

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111148.D
 Acq On : 6 Dec 2018 19:55
 Operator : JU/SJ
 Sample : J6206-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:07 PM

Quant Time: Dec 07 11:44:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	487662	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1940730	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	925153	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1557916	20.00	ng	0.00
76) Chrysene-d12	13.96	240	803149	20.00	ng	0.01
87) Perylene-d12	15.40	264	921908	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	3721636	119.09	ng	0.01
7) Phenol-d6	6.45	99	4872864	121.04	ng	0.01
23) Nitrobenzene-d5	7.37	82	3171713	96.76	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	1032171	140.36	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	4906055	100.84	ng	0.00
79) Terphenyl-d14	12.91	244	3774993	96.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	513107	28.544	ng	99
3) Pyridine	3.32	79	1214933	30.474	ng	97
4) n-Nitrosodimethylamine	3.25	42	881112	44.888	ng	100
6) Aniline	6.47	93	908608	16.894	ng	100
8) 2-Chlorophenol	6.60	128	1515981	42.086	ng	99
9) Benzaldehyde	6.35	77	760257	33.605	ng	99
10) Phenol	6.46	94	2064951m	47.043	ng	
11) bis(2-Chloroethyl)ether	6.55	93	1462607	40.769	ng	97
12) 1,3-Dichlorobenzene	6.75	146	1541071	40.228	ng	97
13) 1,4-Dichlorobenzene	6.83	146	1574052	40.830	ng	95
14) 1,2-Dichlorobenzene	6.98	146	1486869	41.461	ng	99
15) Benzyl Alcohol	6.95	79	1386923	43.481	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	2906480	41.648	ng	100
17) 2-Methylphenol	7.06	107	1294003	43.763	ng	99
18) Hexachloroethane	7.32	117	605882	41.894	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	1110391	41.044	ng	94
20) 3+4-Methylphenols	7.22	107	1516882	42.061	ng	93
22) Acetophenone	7.22	105	2040277	43.503	ng	# 91
24) Nitrobenzene	7.39	77	1623025	46.022	ng	97
25) Isophorone	7.63	82	2947886	49.001	ng	99
26) 2-Nitrophenol	7.70	139	811130	54.434	ng	93
27) 2,4-Dimethylphenol	7.75	122	1400492	49.904	ng	98
28) bis(2-Chloroethoxy)methane	7.84	93	1859759	45.665	ng	99
29) 2,4-Dichlorophenol	7.95	162	1275625	46.172	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	1228681	44.061	ng	98
31) Naphthalene	8.11	128	4080688	48.294	ng	100
32) Benzoic acid	7.86	122	892069	48.204	ng	99
33) 4-Chloroaniline	8.15	127	231214	5.661	ng	97
34) Hexachlorobutadiene	8.23	225	660682	43.596	ng	98
35) Caprolactam	8.53	113	428549m	42.247	ng	
36) 4-Chloro-3-methylphenol	8.64	107	1401378	46.308	ng	99
37) 2-Methylnaphthalene	8.80	142	2844379	48.801	ng	98
38) 1-Methylnaphthalene	8.90	142	2690154	48.007	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	1014003	41.124	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	1253122	96.383	nq	96
43) 2,4,6-Trichlorophenol	9.08	196	855931	47.529	nq	99
44) 2,4,5-Trichlorophenol	9.12	196	877892	48.089	nq	94
46) 1,1'-Biphenyl	9.27	154	3151411	41.611	nq	98
47) 2-Chloronaphthalene	9.29	162	2583442	43.898	nq	99
48) 2-Nitroaniline	9.38	65	895653	46.962	nq	96
49) Acenaphthylene	9.70	152	3939067	47.884	nq	99
50) Dimethylphthalate	9.57	163	3410705	52.972	nq	99
51) 2,6-Dinitrotoluene	9.63	165	701881	51.416	nq	96
52) Acenaphthene	9.88	154	2625379	48.309	nq	99
53) 3-Nitroaniline	9.79	138	257636	15.025	nq	92
54) 2,4-Dinitrophenol	9.90	184	488842	110.292	nq	# 68
55) Dibenzofuran	10.05	168	3471038	46.371	nq	100
56) 4-Nitrophenol	9.95	139	1134853	87.827	nq	97
57) 2,4-Dinitrotoluene	10.03	165	952675	54.036	nq	96
58) Fluorene	10.39	166	2623910	49.709	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	697387m	51.184	nq	
60) Diethylphthalate	10.27	149	3007301	46.737	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	1201214	46.177	nq	98
62) 4-Nitroaniline	10.40	138	673812	43.539	nq	99
63) Azobenzene	10.55	77	3050287	44.526	nq	98
65) 4,6-Dinitro-2-methylphenol	10.43	198	346296	53.804	nq	99
66) n-Nitrosodiphenylamine	10.50	169	2426855	44.488	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	763574	46.301	nq	95
68) Hexachlorobenzene	10.95	284	783974	46.491	nq	96
69) Atrazine	11.03	200	748280	Below Cal		97
70) Pentachlorophenol	11.13	266	842333	75.959	nq	97
71) Phenanthrene	11.35	178	3610348	48.178	nq	100
72) Anthracene	11.40	178	3641776	48.211	nq	99
73) Carbazole	11.55	167	3255432	41.418	nq	99
74) Di-n-butylphthalate	11.89	149	4199379	45.642	nq	99
75) Fluoranthene	12.54	202	3240743	44.194	nq	96
77) Benzidine	12.65	184	549143	17.601	nq	99
78) Pyrene	12.76	202	3109472	49.695	nq	99
80) Butylbenzylphthalate	13.39	149	1542476	51.029	nq	98
81) Benzo(a)anthracene	13.95	228	2245380	47.717	nq	99
82) 3,3'-Dichlorobenzidine	13.91	252	397020	22.357	nq	97
83) Chrysene	13.99	228	2197666	47.044	nq	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	1866746	51.128	nq	# 98
85) Di-n-octyl phthalate	14.57	149	3112897	54.235	nq	98
86) Indeno(1,2,3-cd)pyrene	16.82	276	2668402	71.143	nq	# 88
88) Benzo(b)fluoranthene	14.99	252	2373319	45.432	nq	100
89) Benzo(k)fluoranthene	15.02	252	2237774	44.311	nq	99
90) Benzo(a)pyrene	15.34	252	2327097	48.566	nq	98
91) Dibenzo(a,h)anthracene	16.84	278	2193554	54.552	nq	98
92) Benzo(g,h,i)perylene	17.24	276	2169464	53.689	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

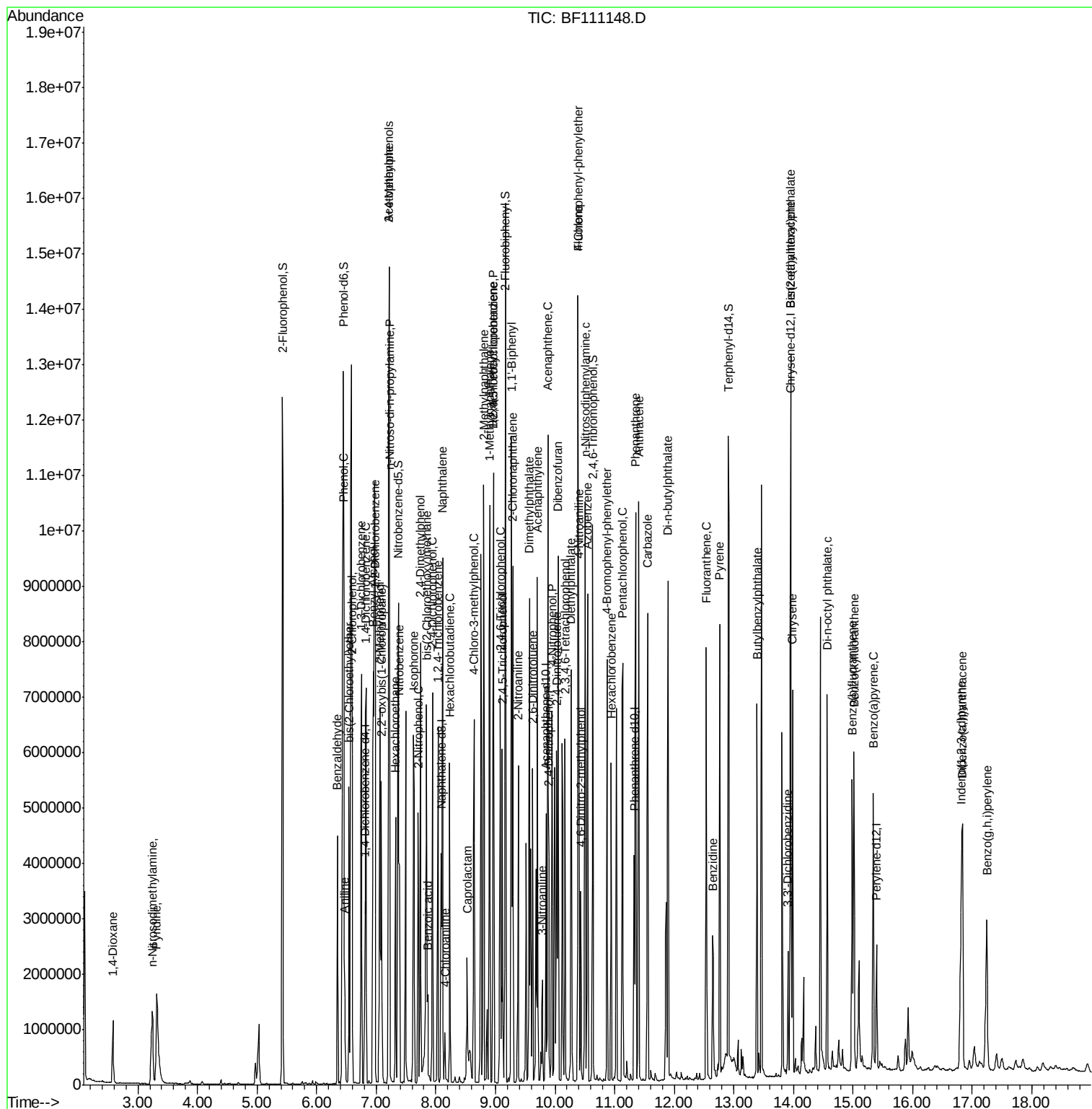
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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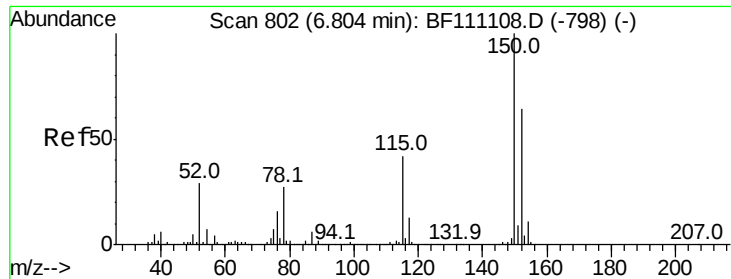
Instrument :
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ClientSampleId :
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#1

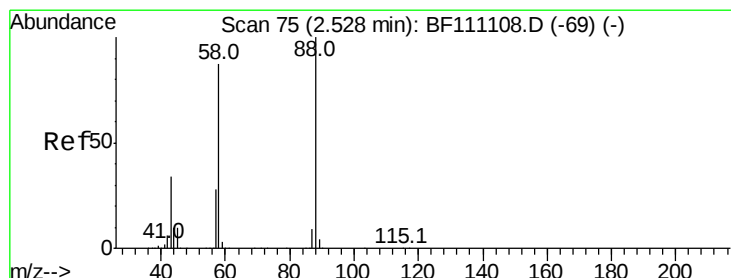
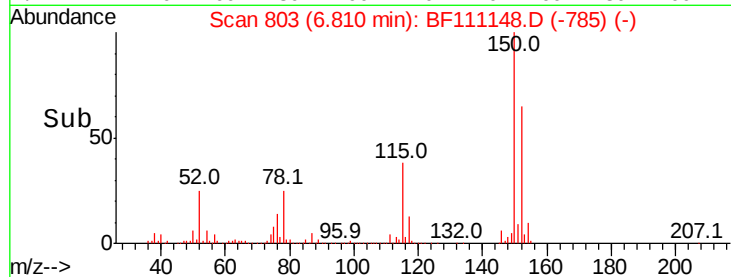
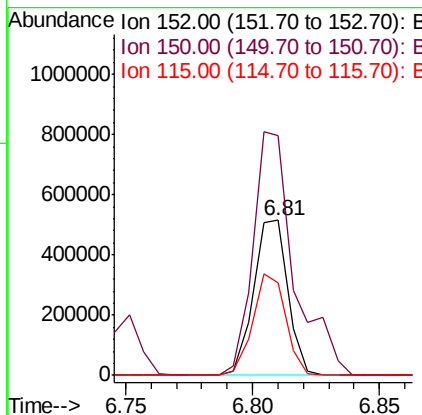
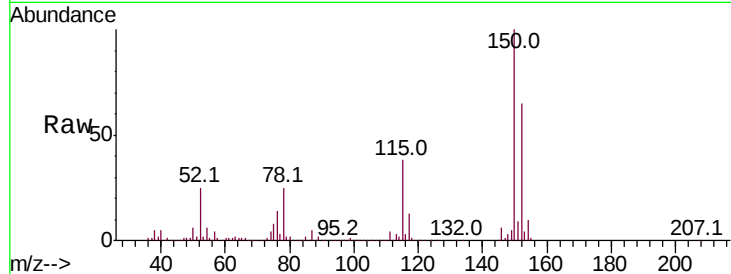
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	187.0
115	59.4	52.2	78.2

Manual Integrations
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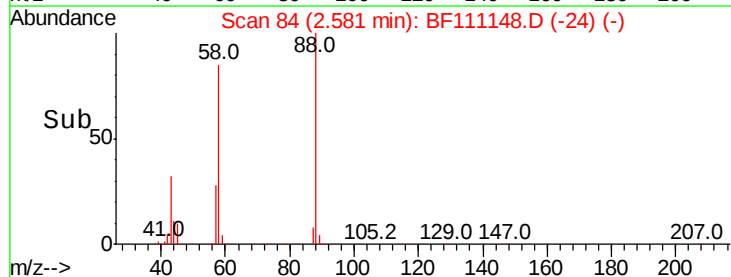
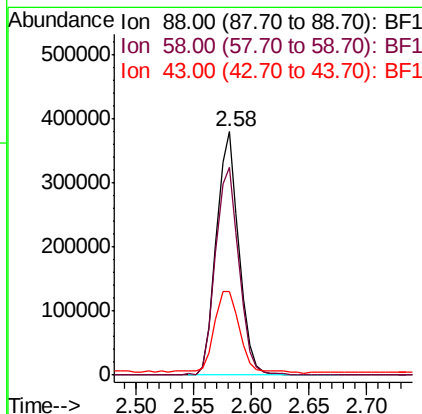
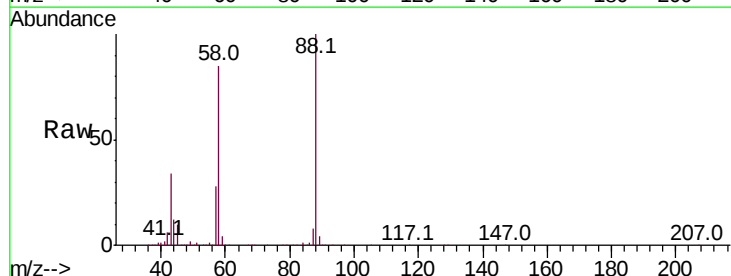
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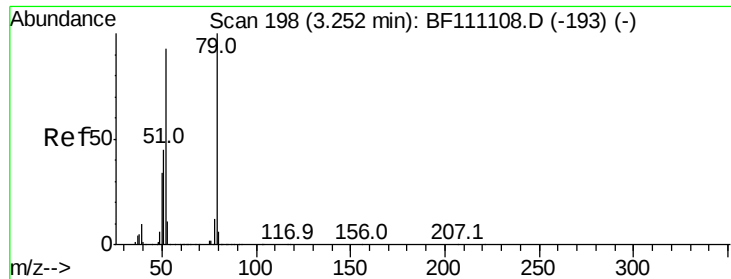


#2

1,4-Dioxane
Concen: 28.544 ng
RT: 2.58 min Scan# 84
Delta R.T. 0.05 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.5	70.8	106.2
43	37.7	28.3	42.5





#3

Pvridine

Concen: 30.474 ng

RT: 3.32 min Scan# 209

Delta R.T. 0.06 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion: 79 Resp: 1214933

Ion Ratio Lower Upper

79 100

52 89.9 74.7 112.1

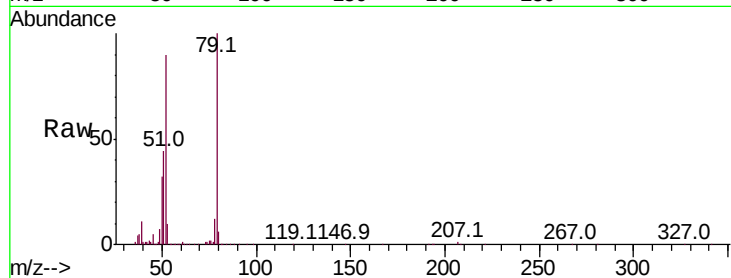
51 44.1 35.9 53.9

Manual Integrations

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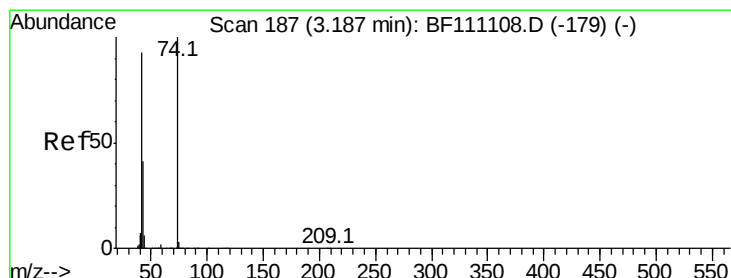
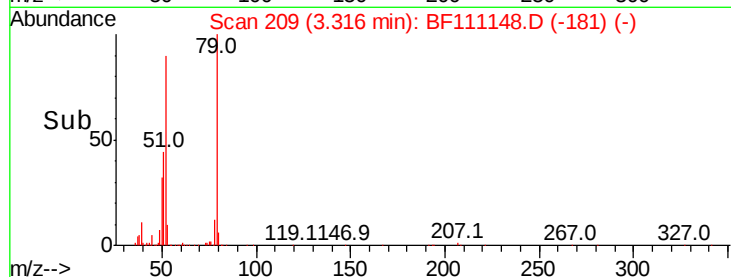
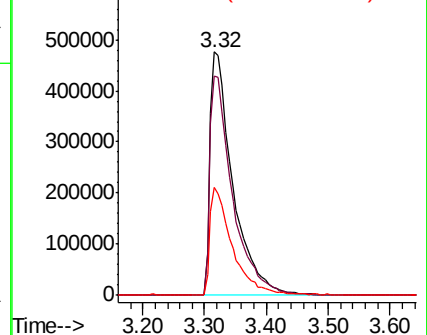
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 44.888 ng

RT: 3.25 min Scan# 197

Delta R.T. 0.06 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

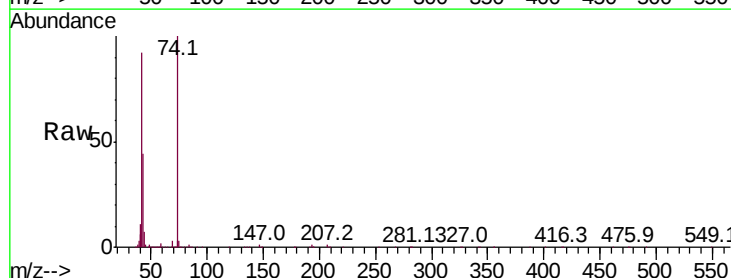
Tgt Ion: 42 Resp: 881112

Ion Ratio Lower Upper

42 100

74 108.1 86.2 129.2

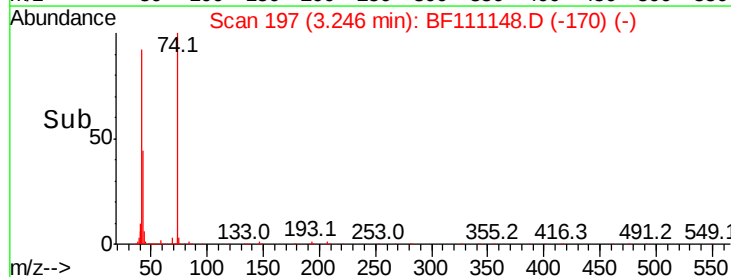
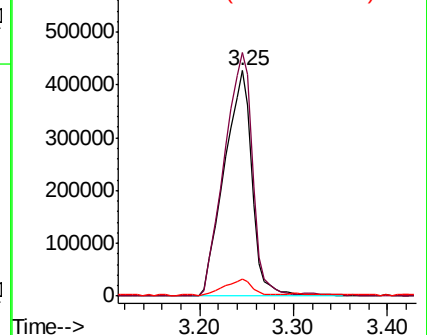
44 7.3 5.7 8.5

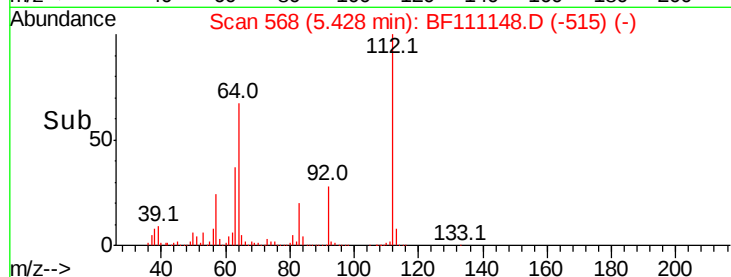
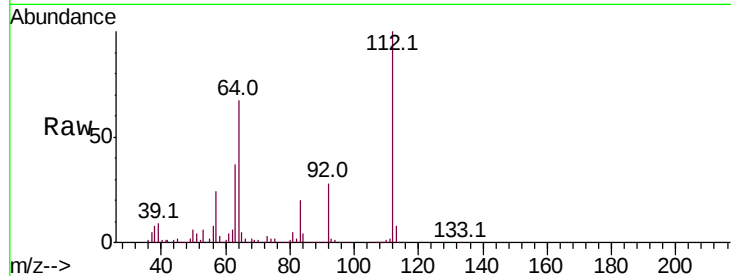
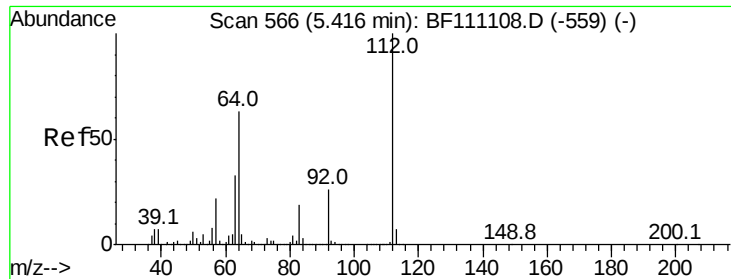


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





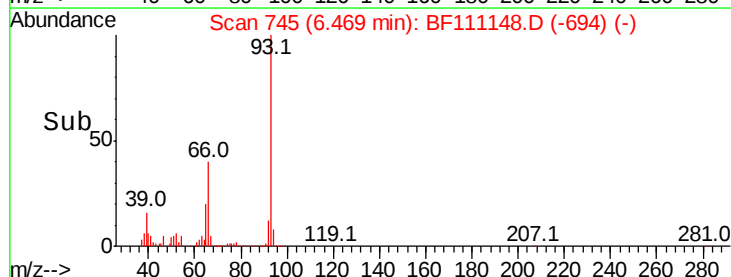
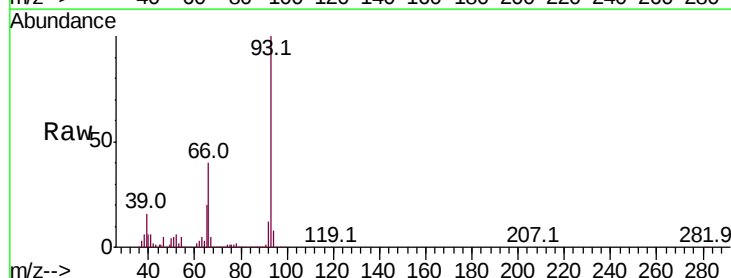
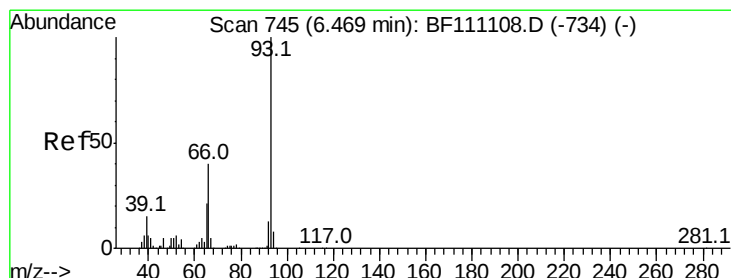
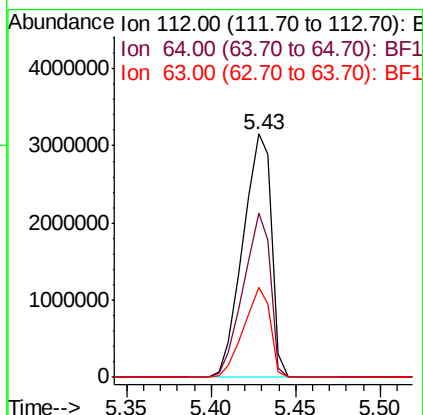
#5
2-Fluorophenol
Concen: 119.088 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tot Ion	Ratio	Lower	Upper
112	100		
64	67.4	50.2	75.4
63	37.0	26.6	39.8

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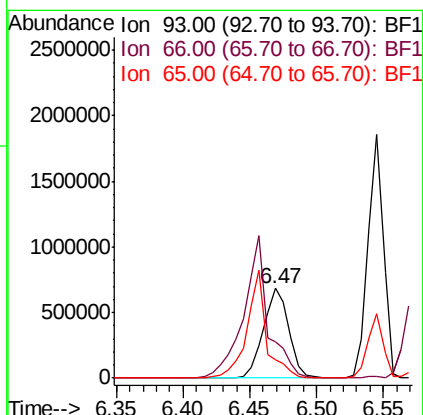
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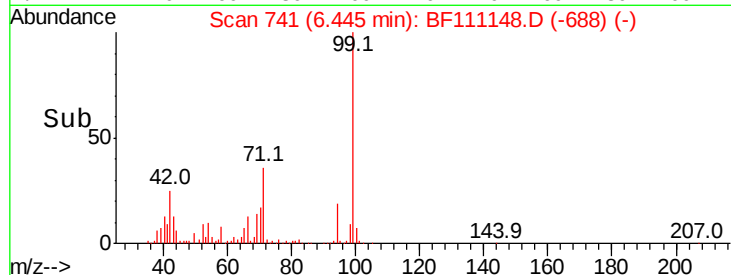
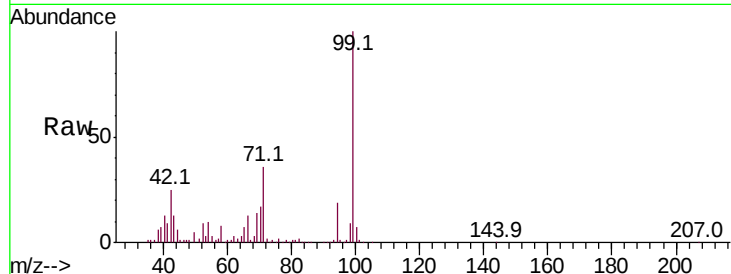
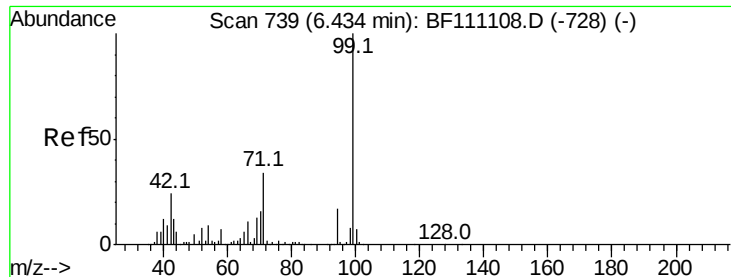
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#6
Aniline
Concen: 16.894 ng
RT: 6.47 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.8	47.8
65	20.3	16.6	24.8





#7

Phenol-d6

Concen: 121.044 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tot Ion: 99 Resp: 4872864

Ion Ratio Lower Upper

99 100

42 24.8 19.3 28.9

71 36.2 27.4 41.2

Instrument :

BNA_F

ClientSampleId :

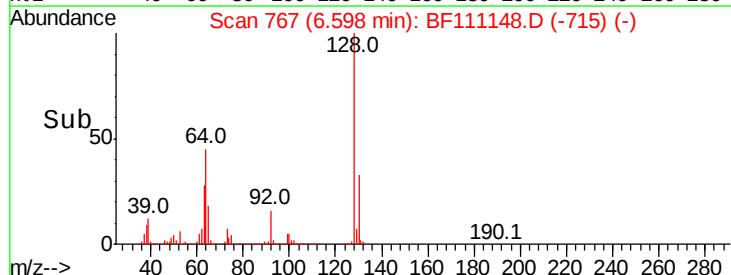
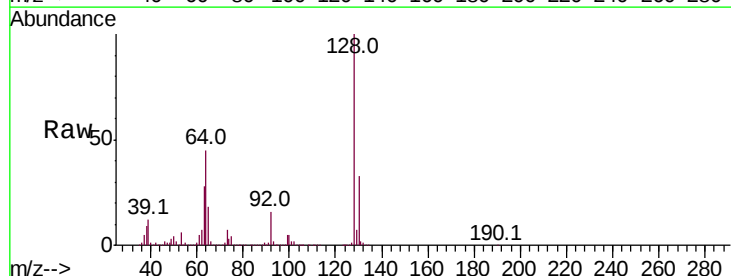
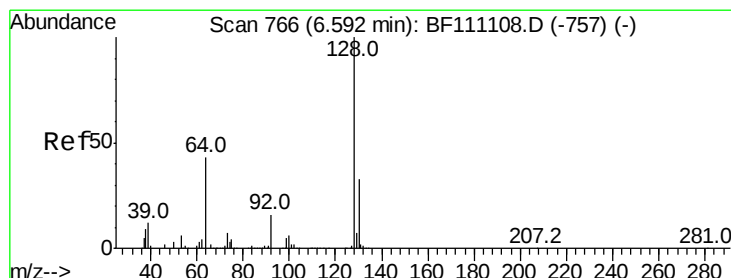
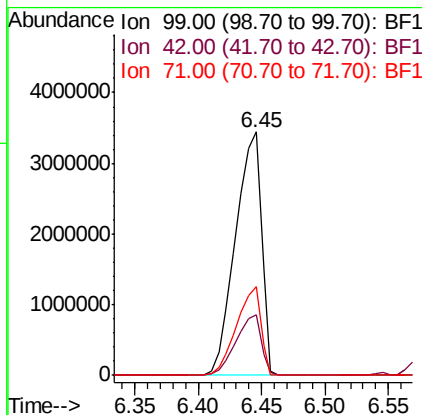
HLSP-SB-5B-(2-8.75)MSD

Manual Integrations

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#8

2-Chlorophenol

Concen: 42.086 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

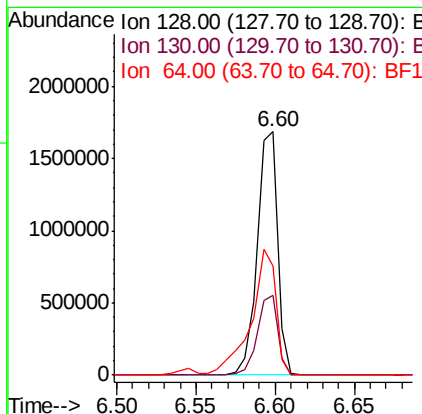
Tgt Ion:128 Resp: 1515981

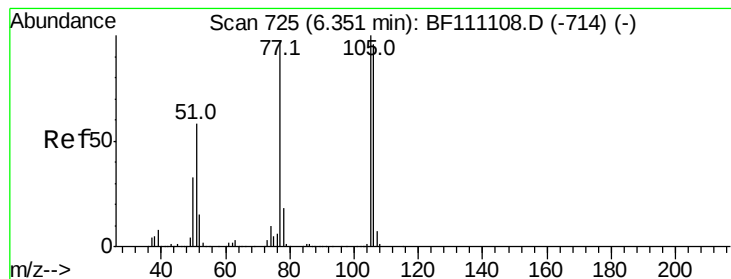
Ion Ratio Lower Upper

128 100

130 32.7 12.8 52.8

64 45.0 26.6 66.6





#9

Benzaldehyde

Concen: 33.605 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

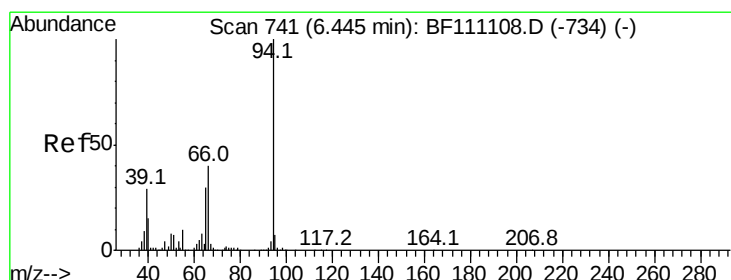
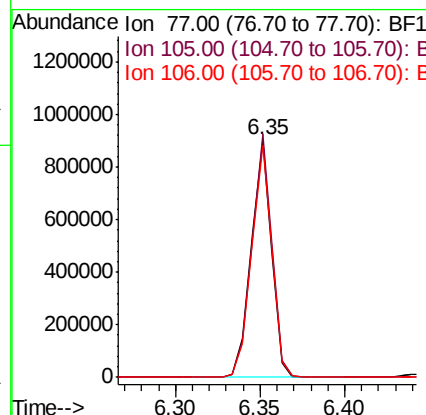
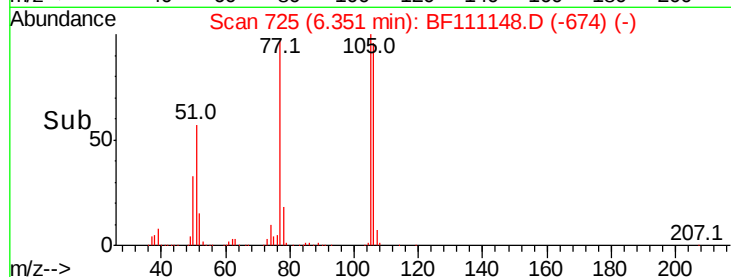
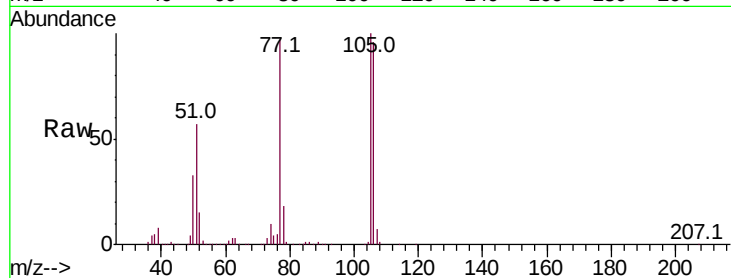
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	102.6	83.1	123.1
106	98.0	79.0	119.0

Manual Integrations
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#10

Phenol

Concen: 47.043 ng m

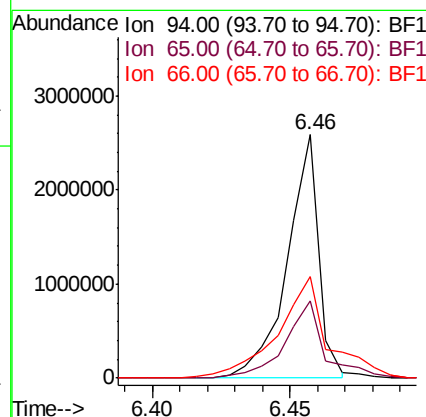
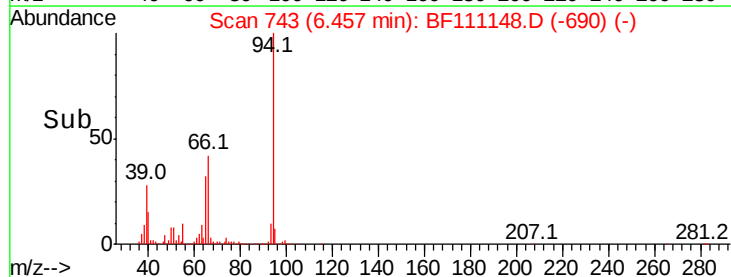
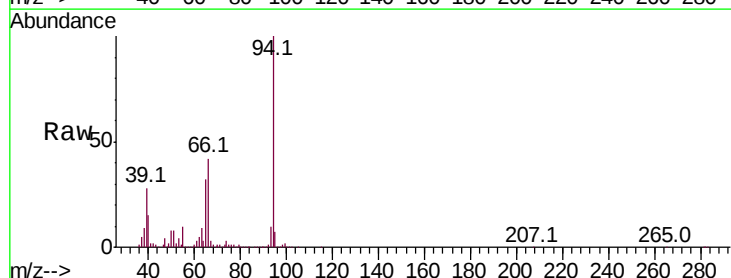
RT: 6.46 min Scan# 743

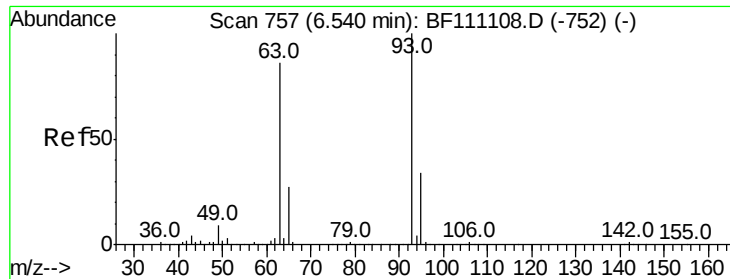
Delta R.T. 0.01 min

Lab File: BF111148.D

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Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.9	10.5	50.5
66	41.9	19.8	59.8





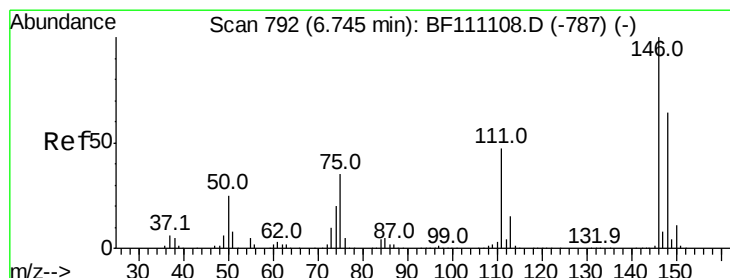
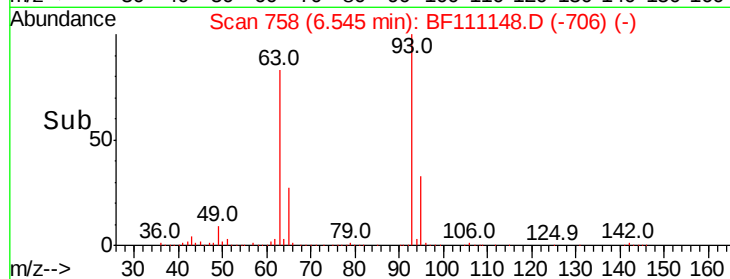
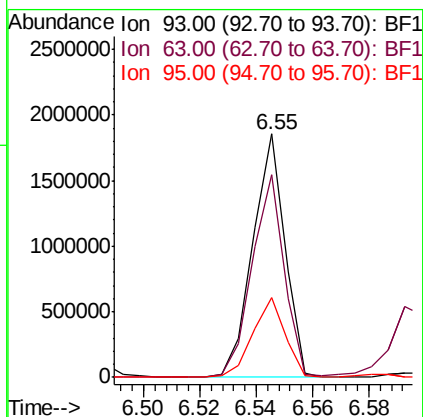
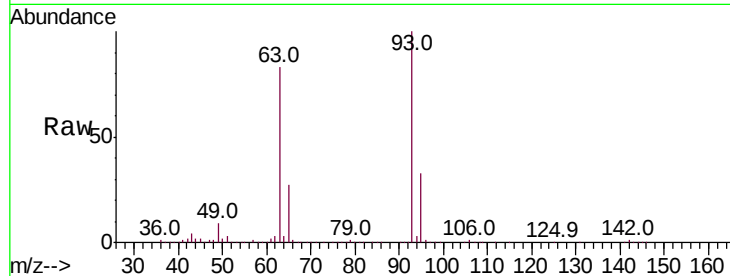
#11
bis(2-Chloroethyl)ether
Concen: 40.769 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion: 93 Resp: 1462607
Ion Ratio Lower Upper
93 100
63 83.4 66.0 106.0
95 32.6 14.3 54.3

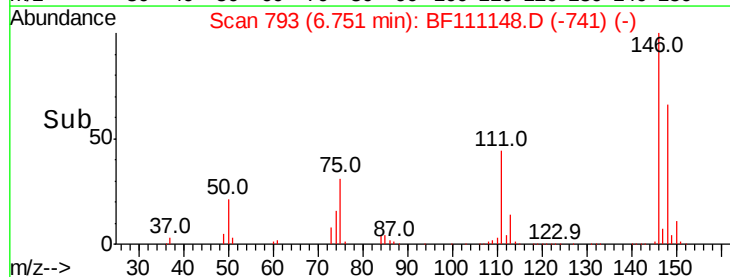
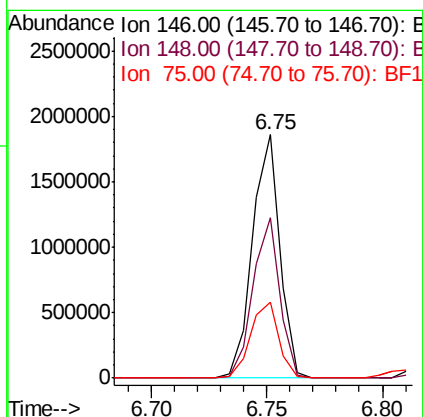
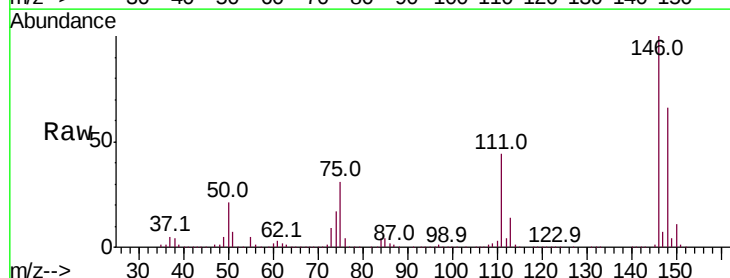
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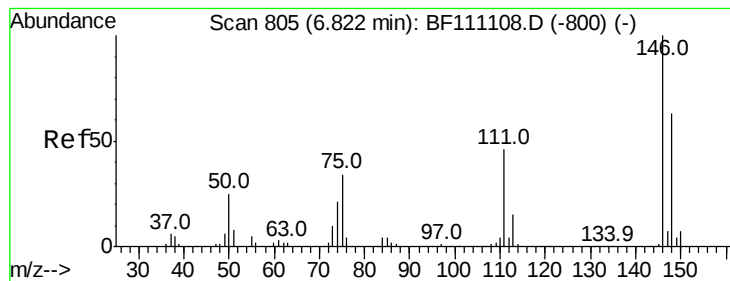
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#12
1,3-Dichlorobenzene
Concen: 40.228 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion: 146 Resp: 1541071
Ion Ratio Lower Upper
146 100
148 66.0 51.3 76.9
75 31.4 27.7 41.5





#13

1,4-Dichlorobenzene

Concen: 40.830 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:146 Resp: 1574052

Ion Ratio Lower Upper

146 100

148 65.3 50.3 75.5

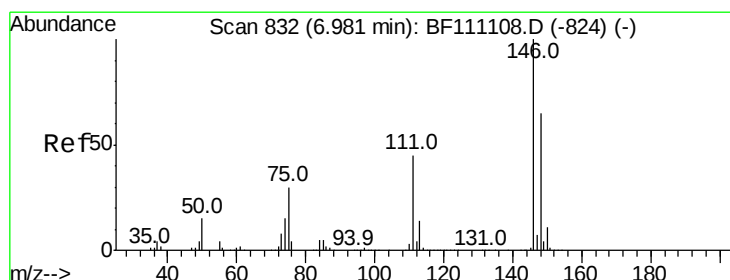
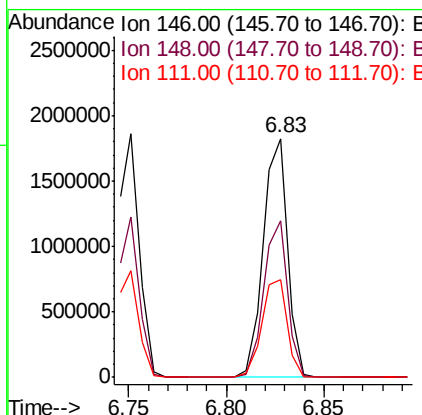
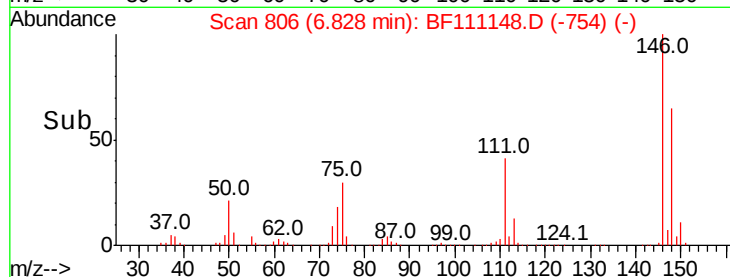
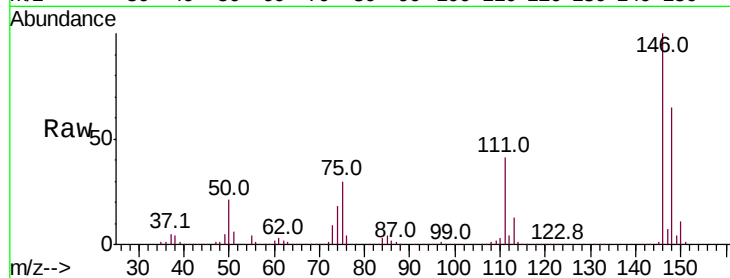
111 41.0 36.6 55.0

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#14

1,2-Dichlorobenzene

Concen: 41.461 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

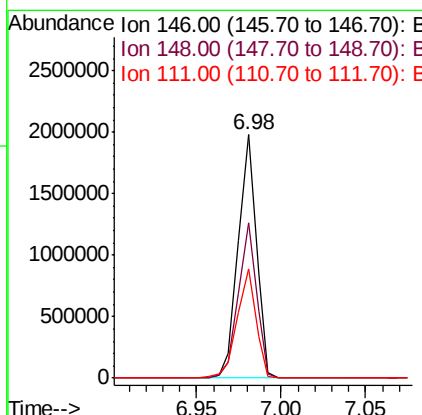
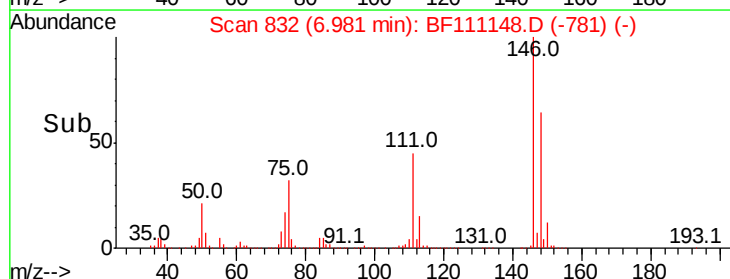
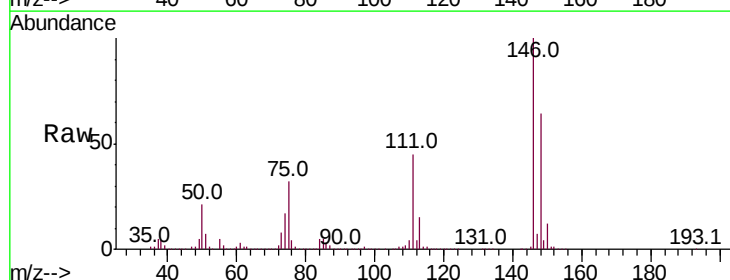
Tgt Ion:146 Resp: 1486869

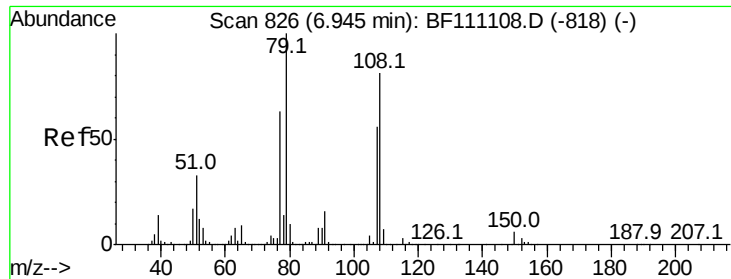
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

111 45.0 35.7 53.5





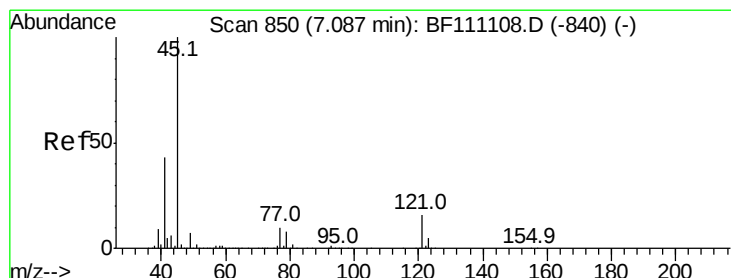
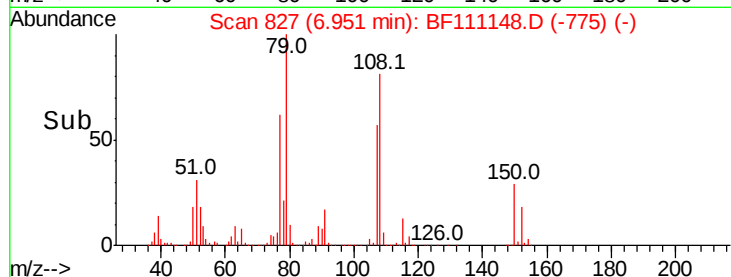
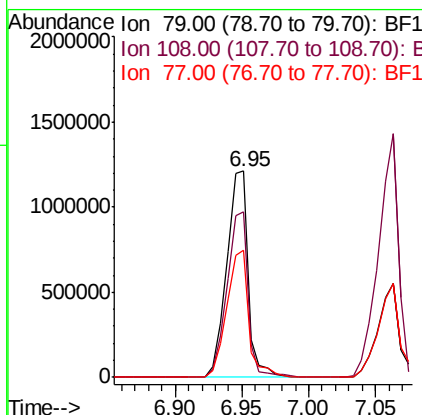
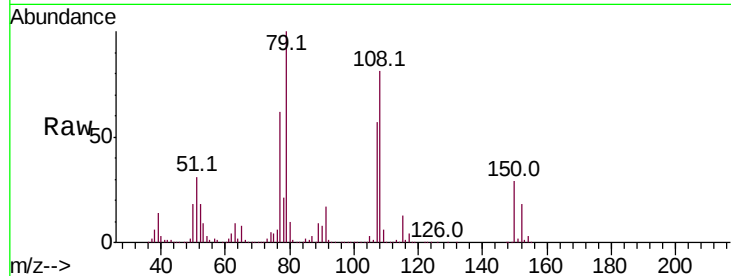
#15
Benzyl Alcohol
Concen: 43.481 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion: 79 Resp: 1386923
Ion Ratio Lower Upper
79 100
108 80.6 64.5 96.7
77 61.9 50.5 75.7

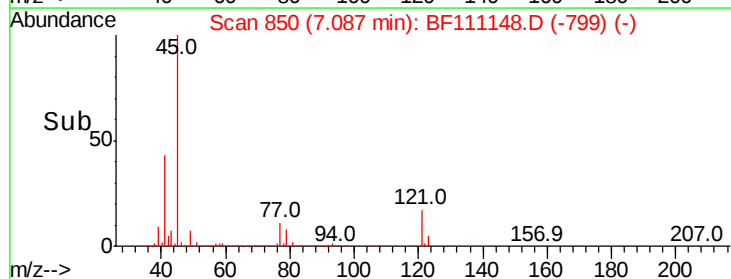
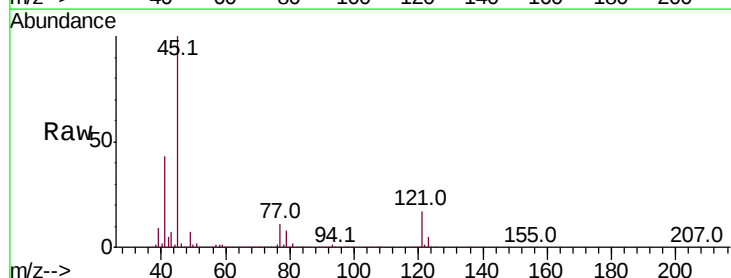
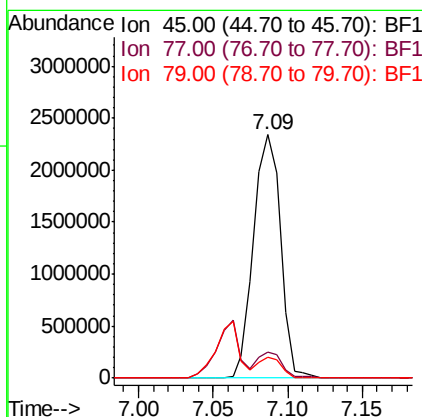
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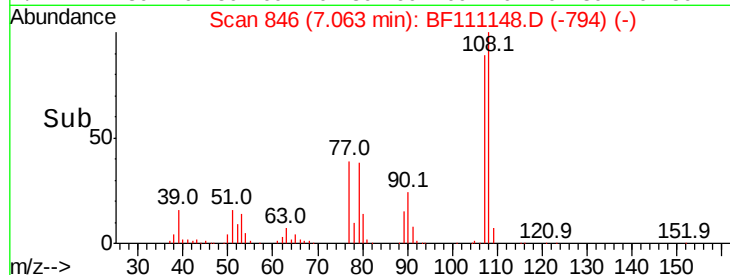
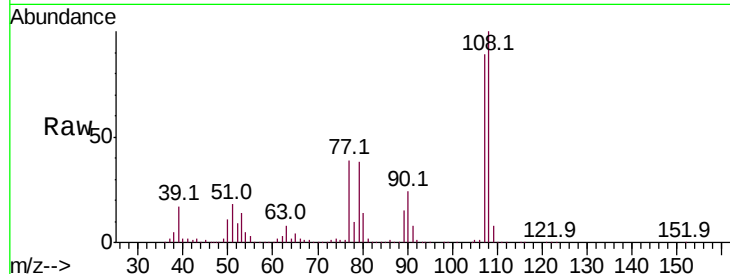
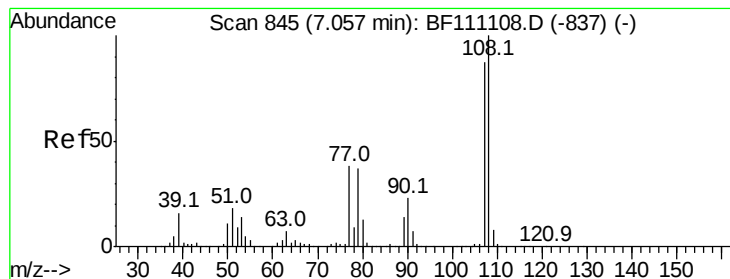
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#16
2,2'-oxybis(1-chloropropane)
Concen: 41.648 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion: 45 Resp: 2906480
Ion Ratio Lower Upper
45 100
77 10.8 0.0 30.6
79 8.3 0.0 28.4





#17

2-Methylphenol

Concen: 43.763 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tot Ion:107 Resp: 1294003

Ion Ratio Lower Upper

107 100

108 112.7 91.8 137.8

77 43.6 34.7 52.1

79 43.2 34.2 51.2

Instrument :

BNA_F

ClientSampleId :

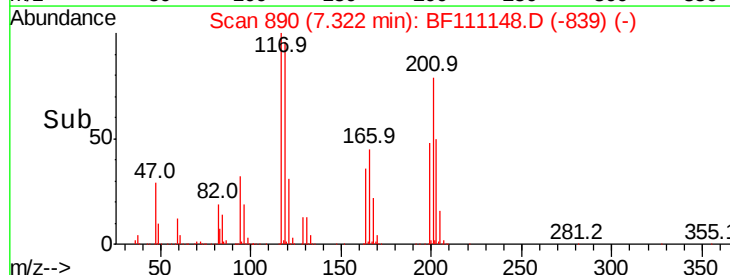
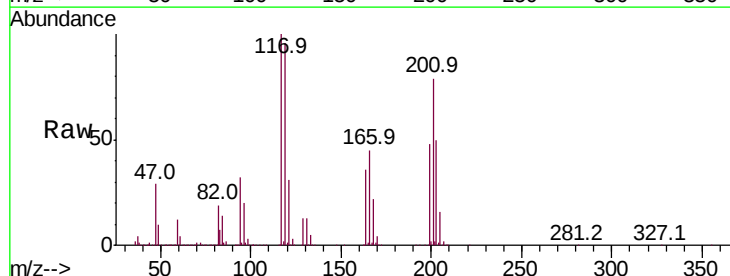
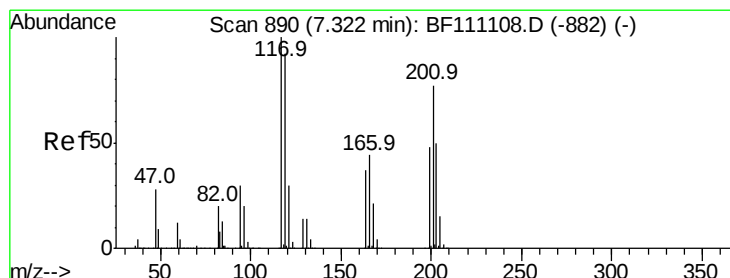
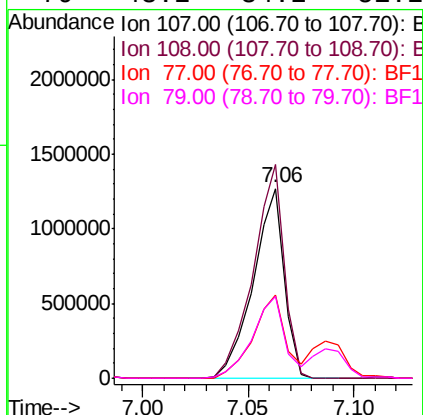
HLSP-SB-5B-(2-8.75)MSD

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#18

Hexachloroethane

Concen: 41.894 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

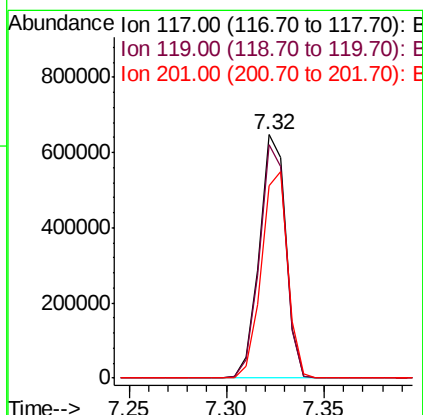
Tgt Ion:117 Resp: 605882

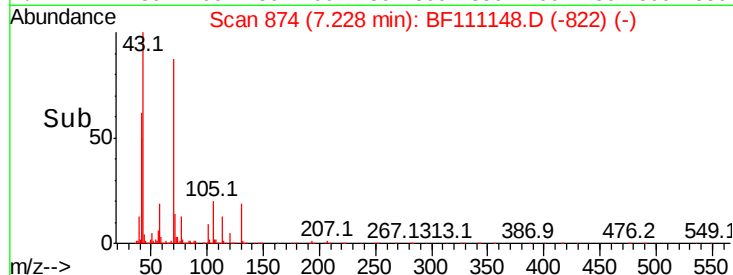
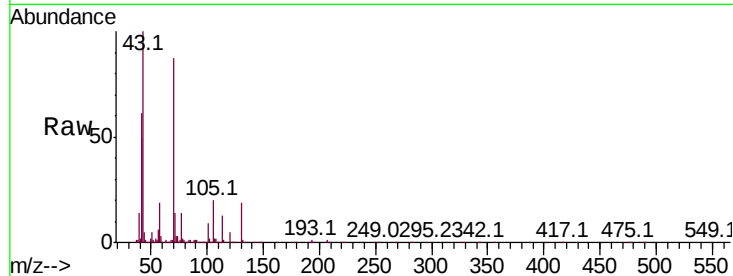
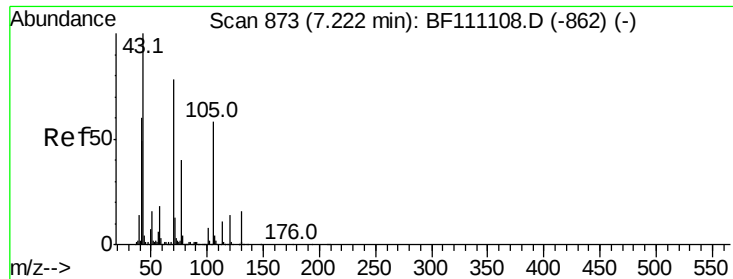
Ion Ratio Lower Upper

117 100

119 95.7 73.8 110.6

201 79.2 61.2 91.8





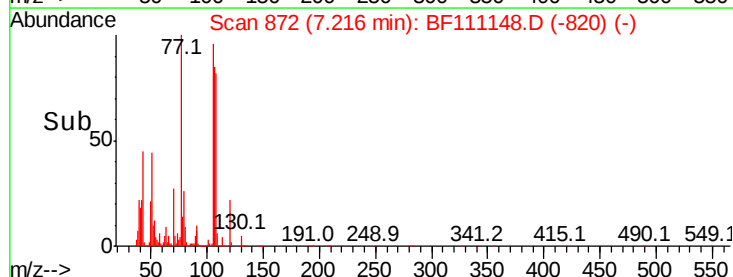
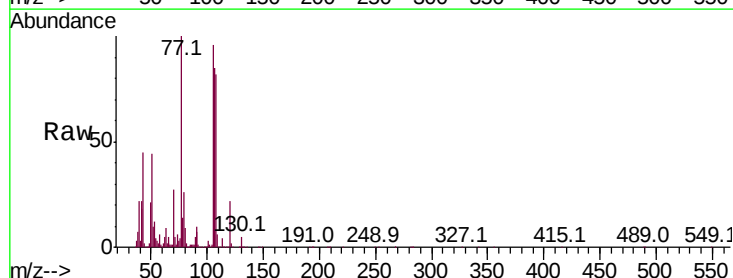
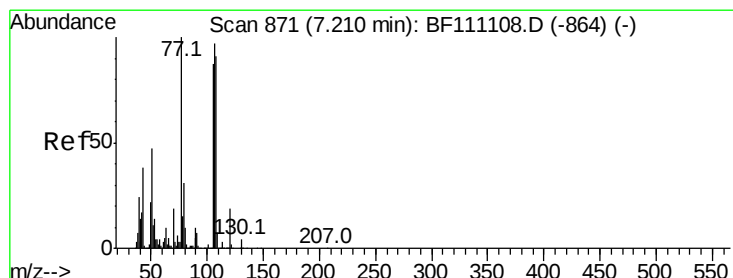
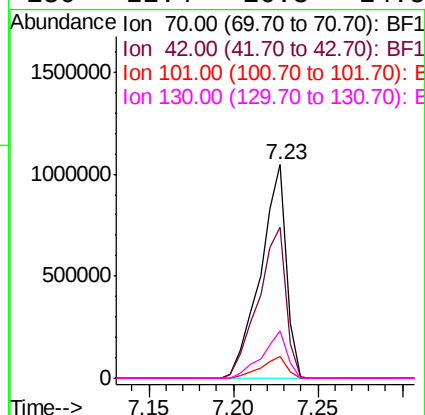
#19
n-Nitroso-di-n-propylamine
Concen: 41.044 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	70.9	61.3	91.9
101	9.9	7.7	11.5
130	22.4	16.3	24.5

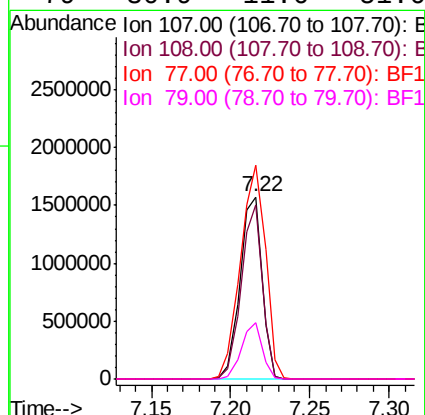
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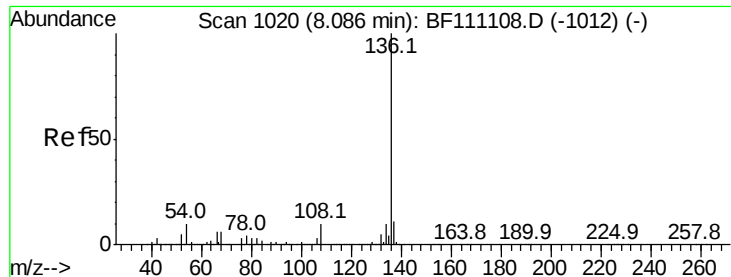
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#20
3+4-Methylphenols
Concen: 42.061 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.6	74.0	114.0
77	117.1	83.2	123.2
79	30.9	11.6	51.6





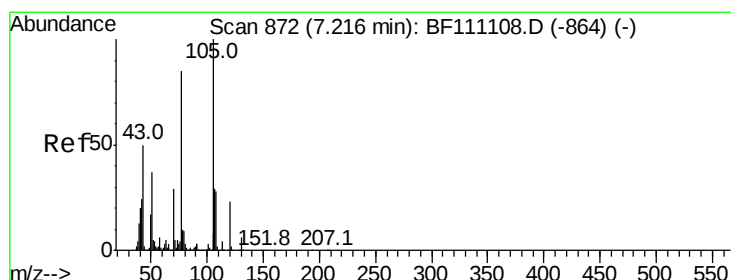
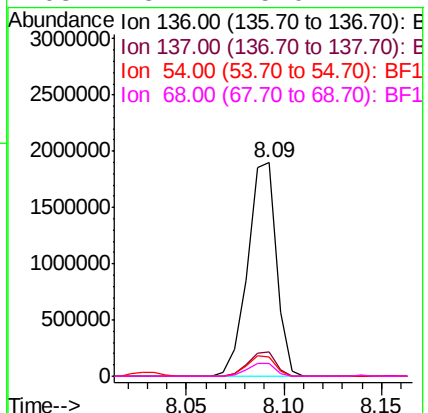
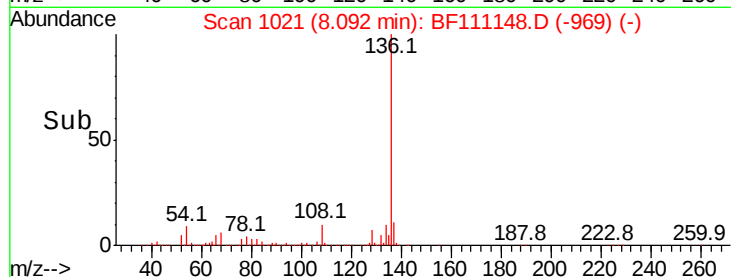
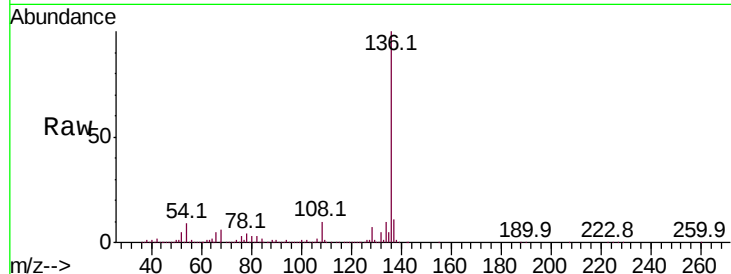
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.9	8.4	12.6
68	5.7	5.0	7.4

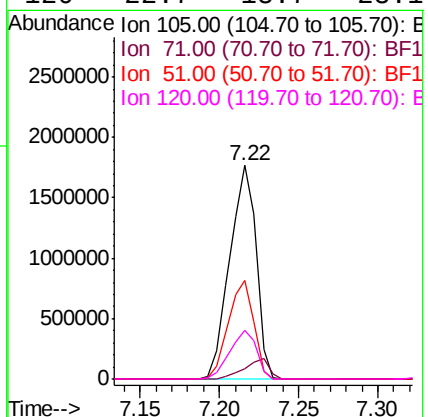
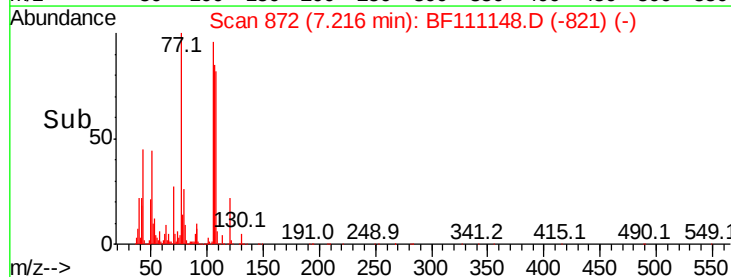
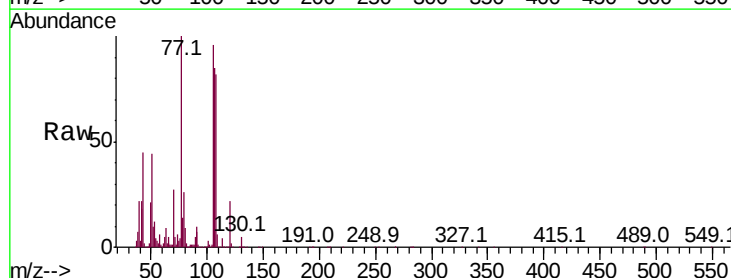
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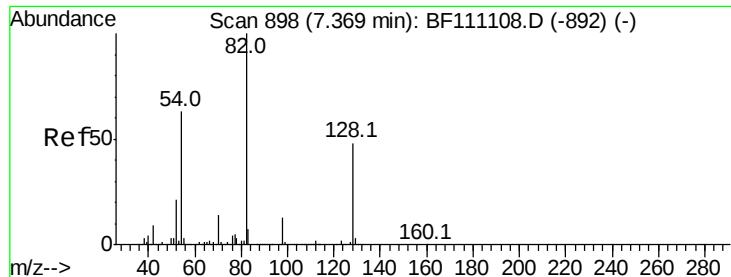
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#22
Acetophenone
Concen: 43.503 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.8	4.0	6.0
51	46.3	29.8	44.8#
120	22.7	18.7	28.1





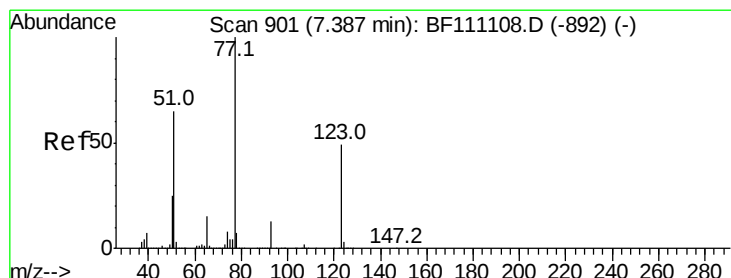
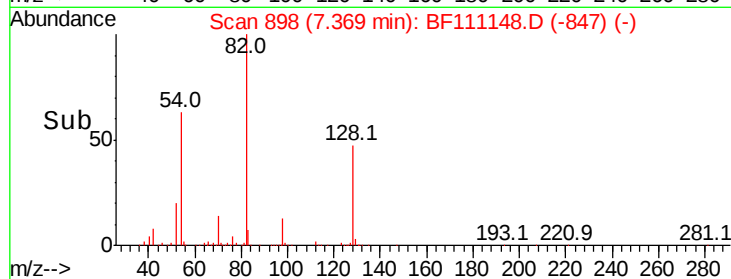
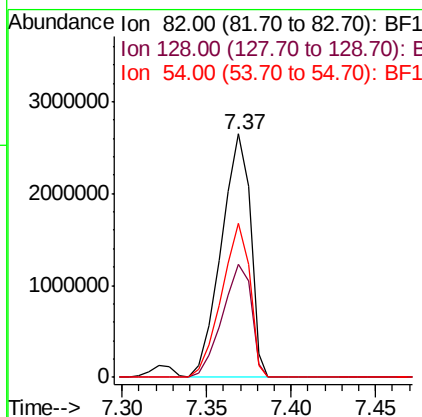
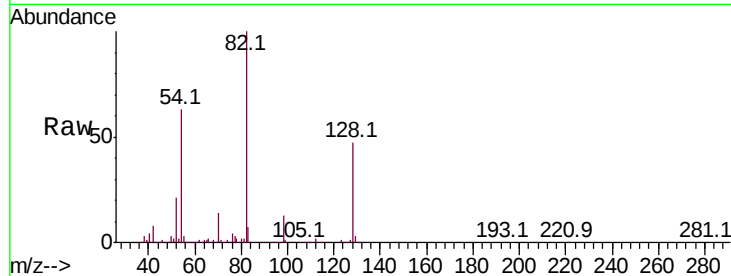
#23
 Nitrobenzene-d5
 Concen: 96.755 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion: 82 Resp: 3171713
 Ion Ratio Lower Upper
 82 100
 128 46.6 38.1 57.1
 54 63.3 50.3 75.5

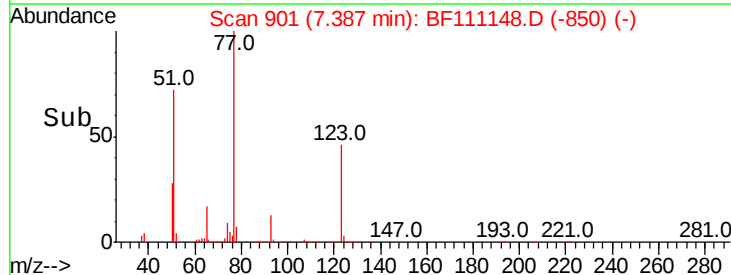
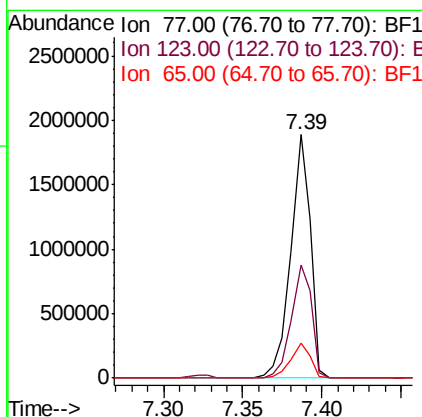
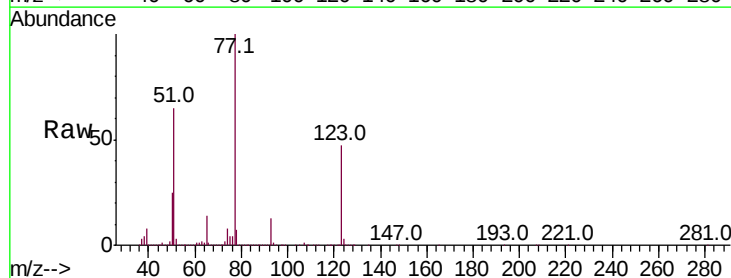
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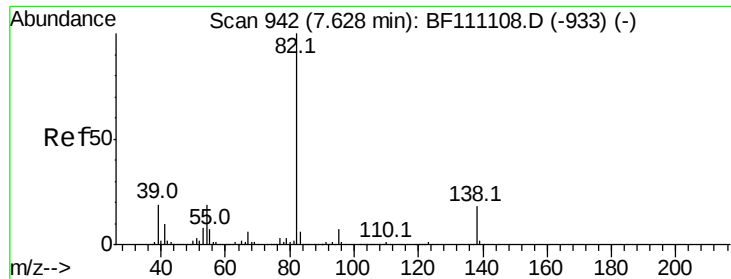
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#24
 Nitrobenzene
 Concen: 46.022 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion: 77 Resp: 1623025
 Ion Ratio Lower Upper
 77 100
 123 46.5 39.5 59.3
 65 14.4 11.8 17.6





#25

Isophorone

Concen: 49.001 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion: 82 Resp: 2947886

Ion Ratio Lower Upper

82 100

95 7.2 5.6 8.4

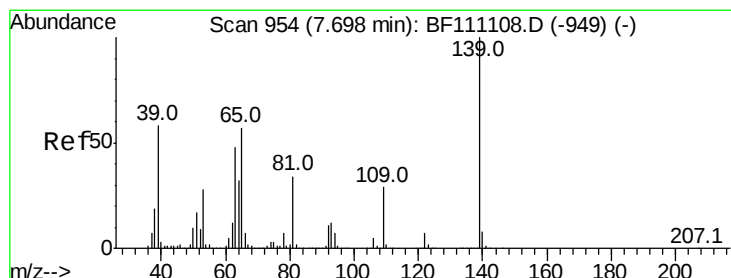
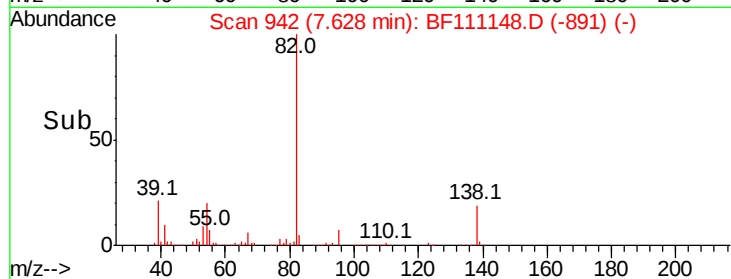
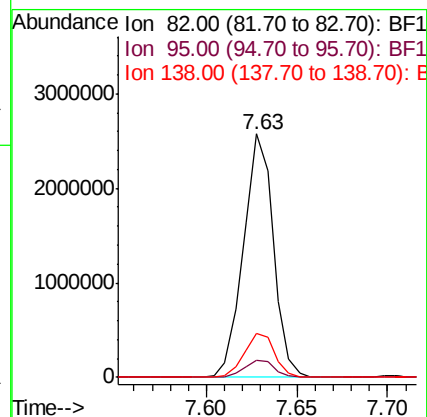
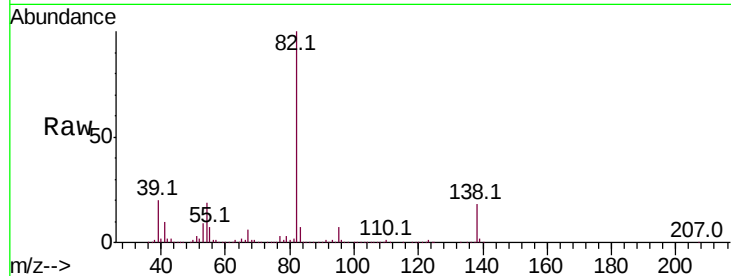
138 17.9 14.6 22.0

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#26

2-Nitrophenol

Concen: 54.434 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

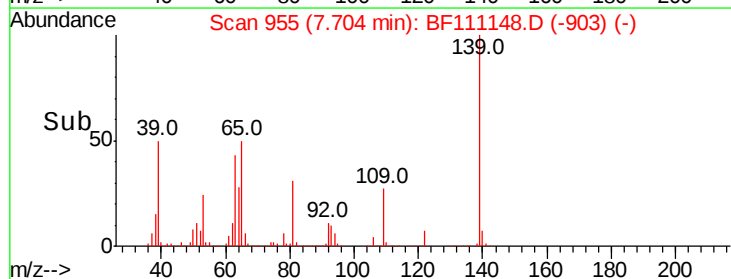
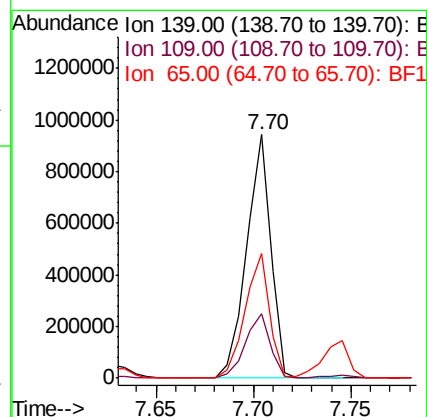
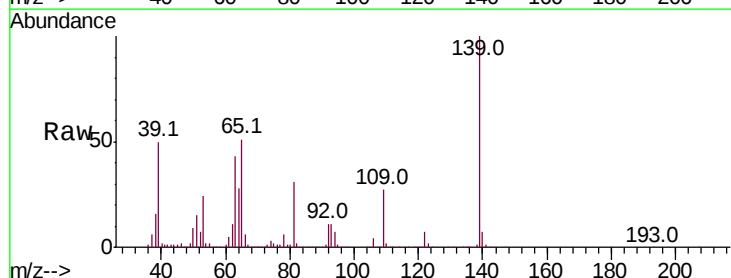
Tgt Ion: 139 Resp: 811130

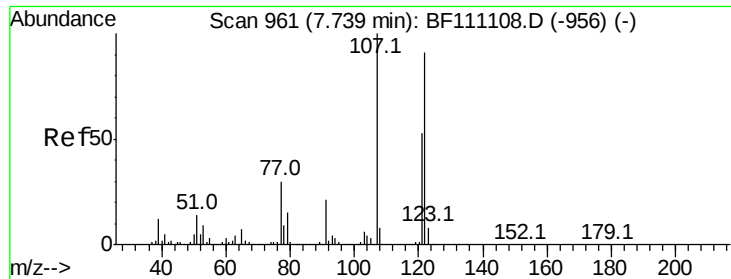
Ion Ratio Lower Upper

139 100

109 26.6 23.1 34.7

65 51.3 45.9 68.9





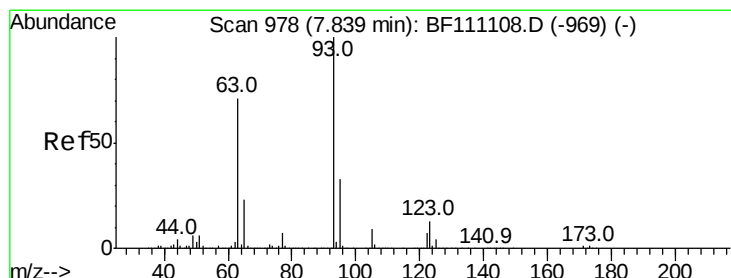
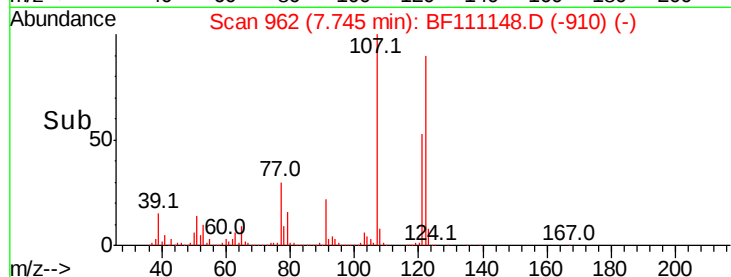
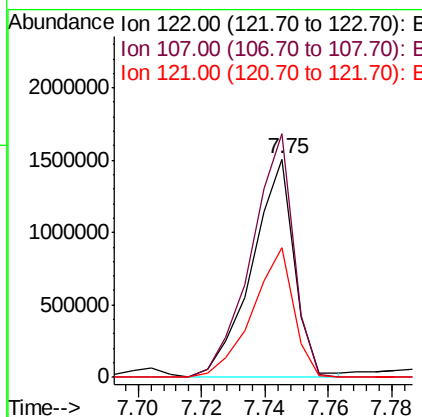
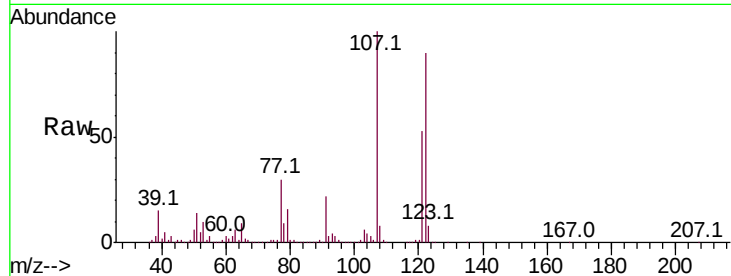
#27
 2,4-Dimethylphenol
 Concen: 49.904 ng
 RT: 7.75 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion:122 Resp: 1400492
 Ion Ratio Lower Upper
 122 100
 107 111.5 87.4 131.0
 121 59.3 45.9 68.9

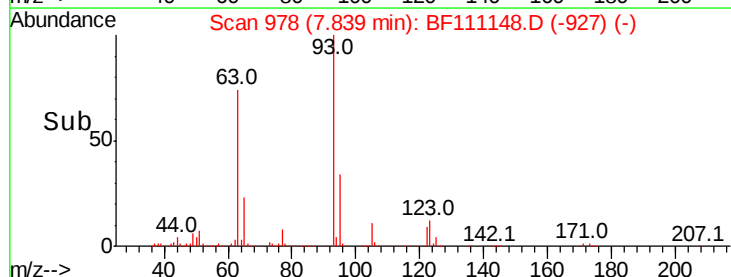
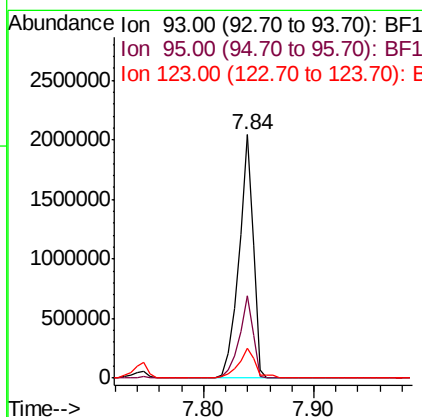
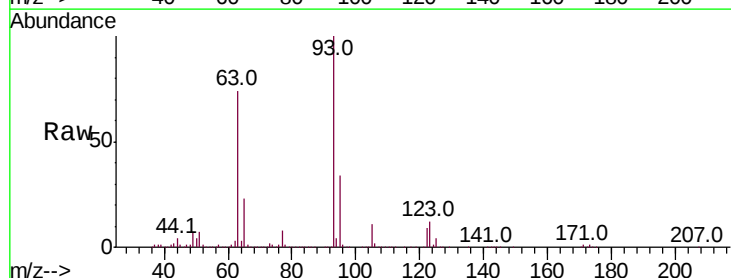
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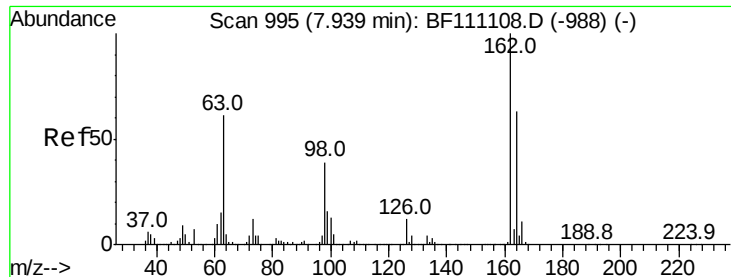
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 45.665 ng
 RT: 7.84 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion: 93 Resp: 1859759
 Ion Ratio Lower Upper
 93 100
 95 33.8 26.6 39.8
 123 12.4 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 46.172 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

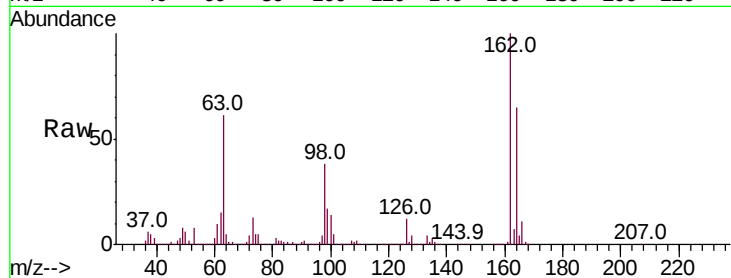
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

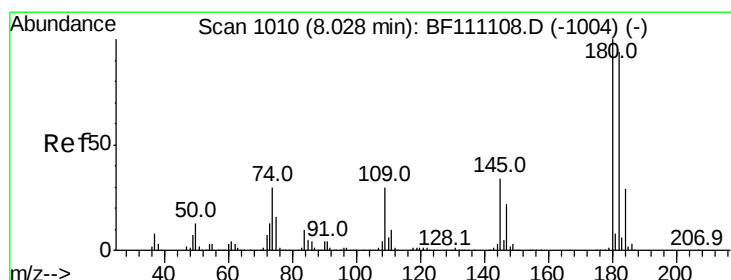
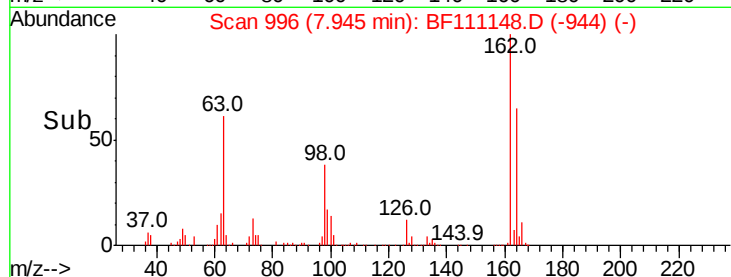
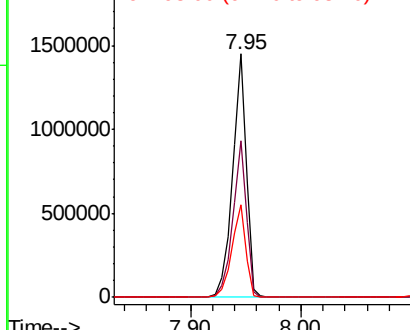
Tot Ion:	162	Resp:	1275625
Ion Ratio	Lower	Upper	
162	100		
164	64.6	43.3	83.3
98	38.3	18.9	58.9

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Abundance Ion 162.00 (161.70 to 162.70): E
2000000 Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 44.061 ng

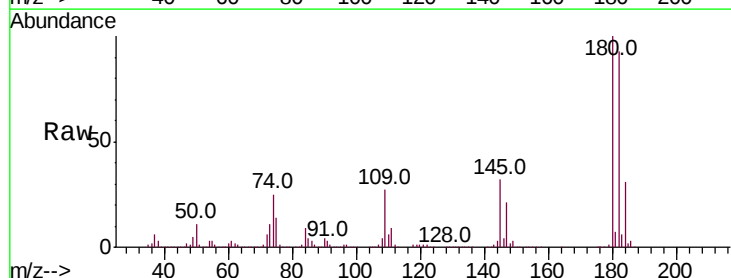
RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

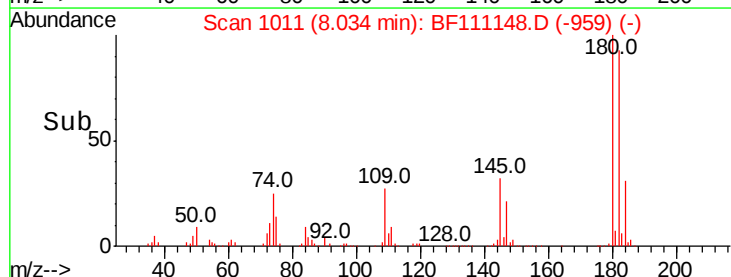
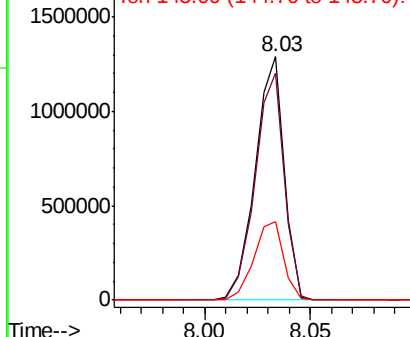
Lab File: BF111148.D

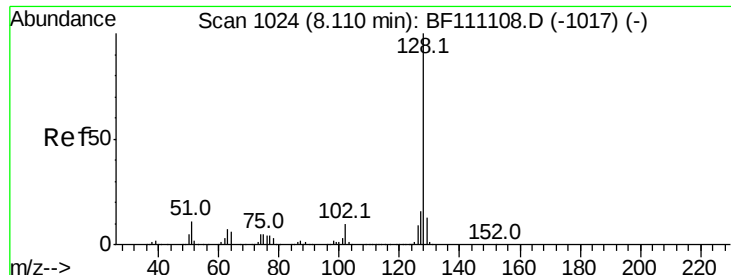
Acq: 6 Dec 2018 19:55

Tgt Ion:	180	Resp:	1228681
Ion Ratio	Lower	Upper	
180	100		
182	93.0	75.1	112.7
145	32.3	27.6	41.4



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





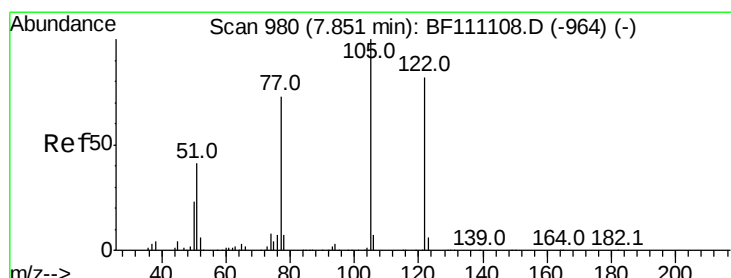
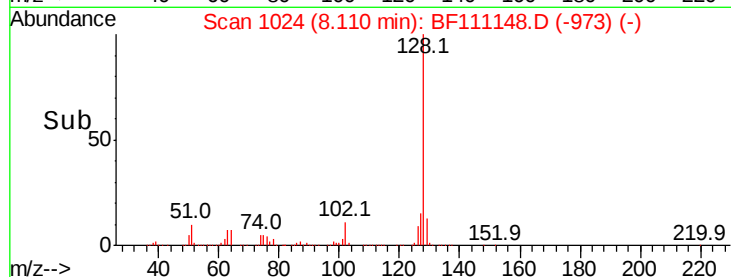
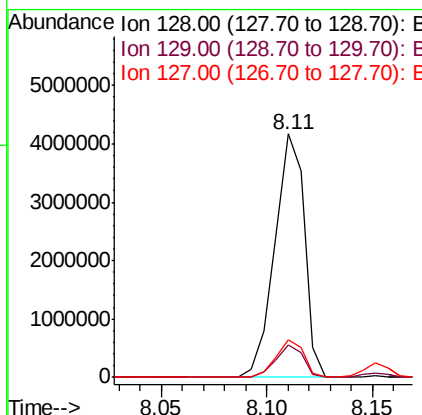
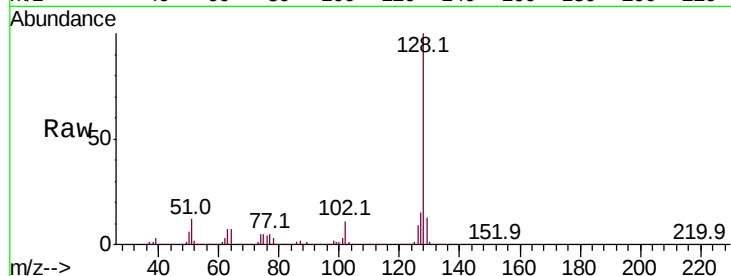
#31
Naphthalene
Concen: 48.294 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion:128 Resp: 4080688
Ion Ratio Lower Upper
128 100
129 13.2 10.5 15.7
127 15.4 12.5 18.7

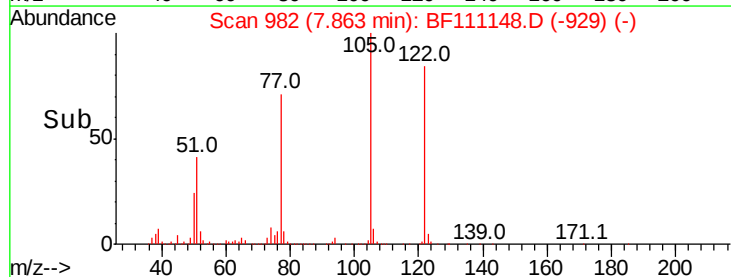
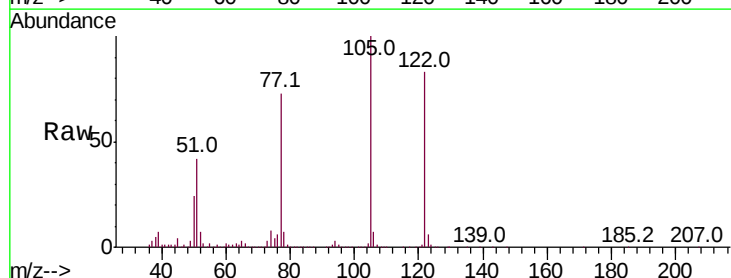
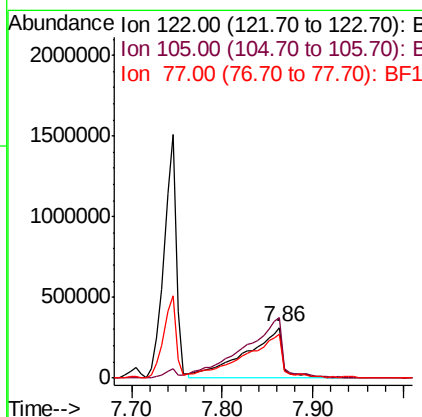
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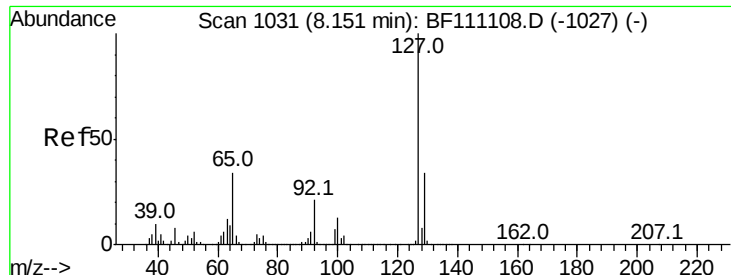
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#32
Benzoic acid
Concen: 48.204 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion:122 Resp: 892069
Ion Ratio Lower Upper
122 100
105 119.8 100.1 140.1
77 87.9 69.4 109.4





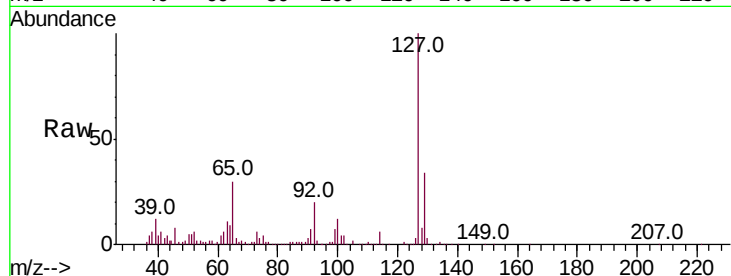
#33
4-Chloroaniline
Concen: 5.661 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

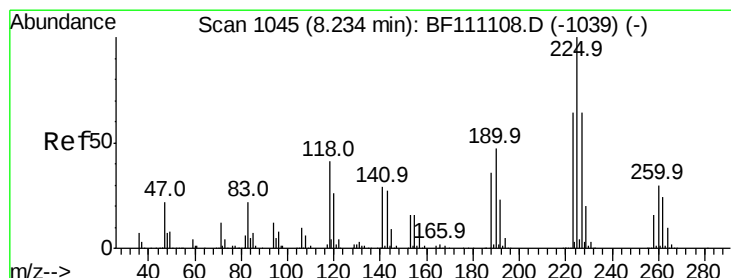
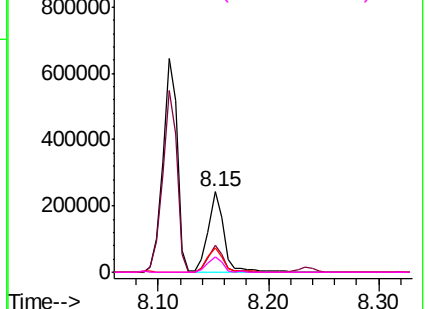
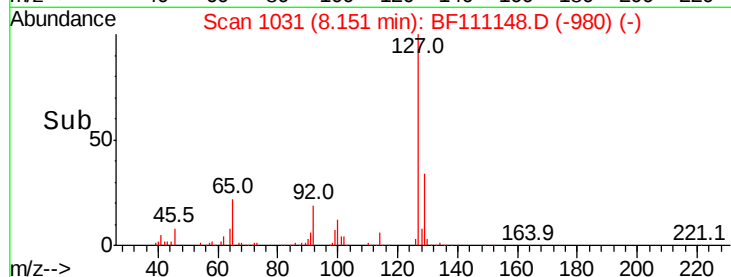
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.0	27.0	40.6	
65	30.4	27.2	40.8	
92	19.5	16.6	24.8	

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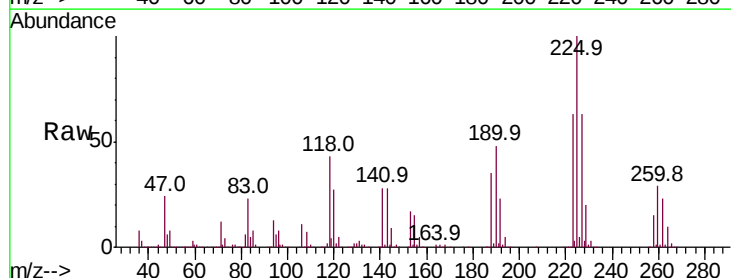


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

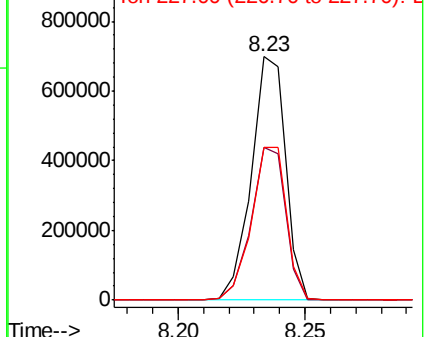
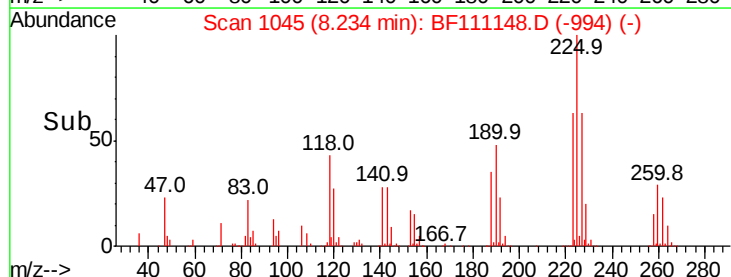


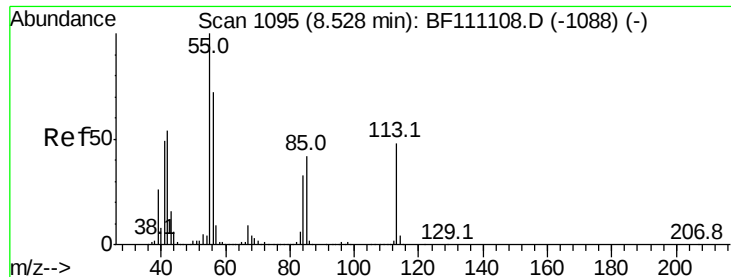
#34
Hexachlorobutadiene
Concen: 43.596 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	51.4	77.2	
227	62.8	51.0	76.4	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





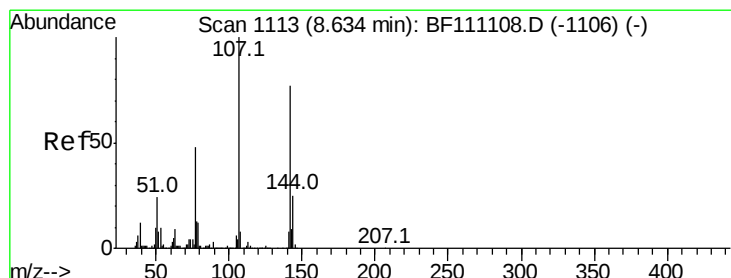
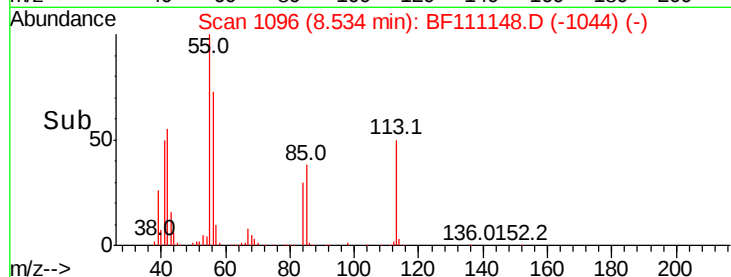
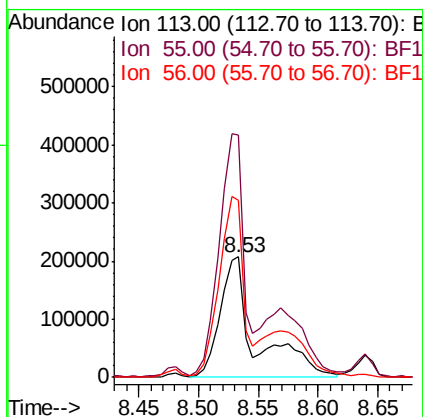
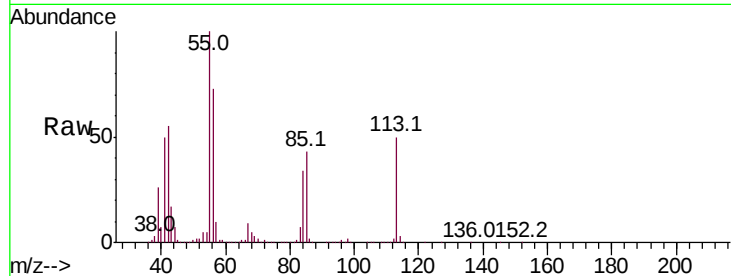
#35
Caprolactam
Concen: 42.247 ng/ml
RT: 8.53 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	201.7	190.6	230.6
56	146.7	130.9	170.9

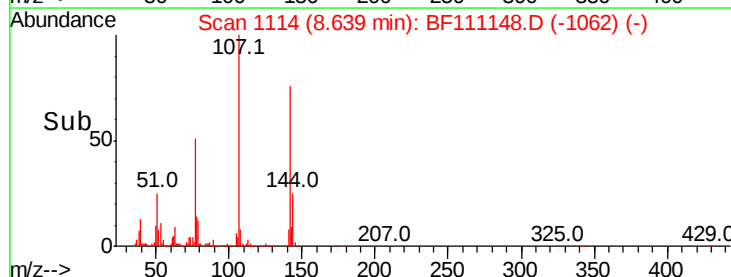
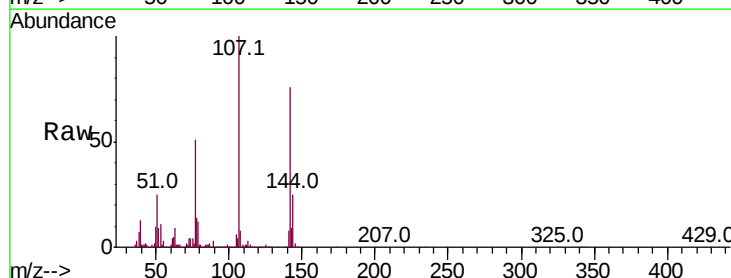
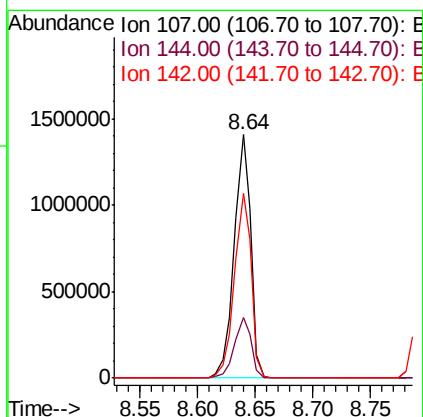
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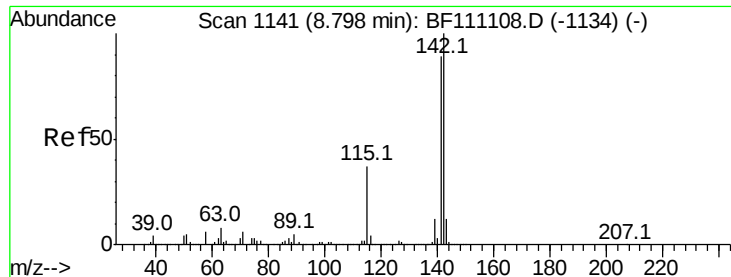
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#36
4-Chloro-3-methylphenol
Concen: 46.308 ng/ml
RT: 8.64 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	75.8	61.4	92.0





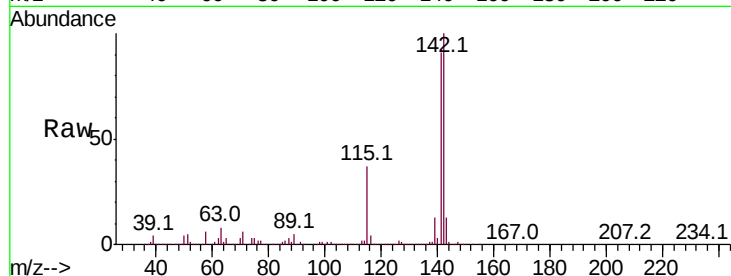
#37
2-Methylnaphthalene
Concen: 48.801 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.4	107.0
115	36.9	29.2	43.8

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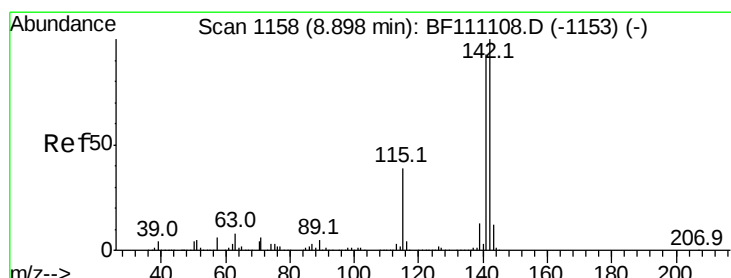
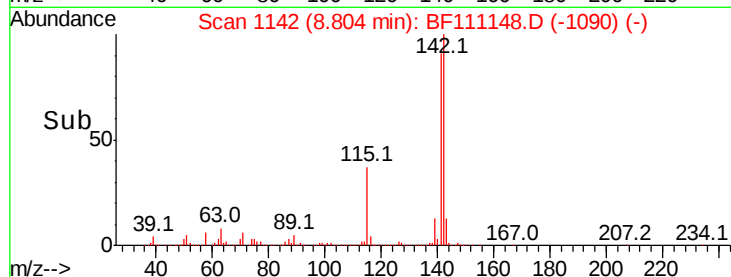
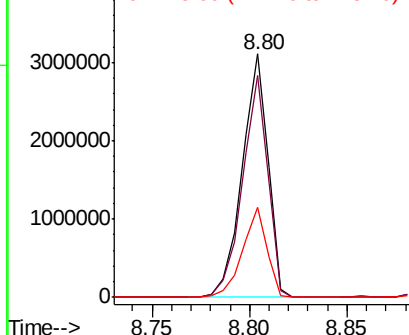


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 48.007 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

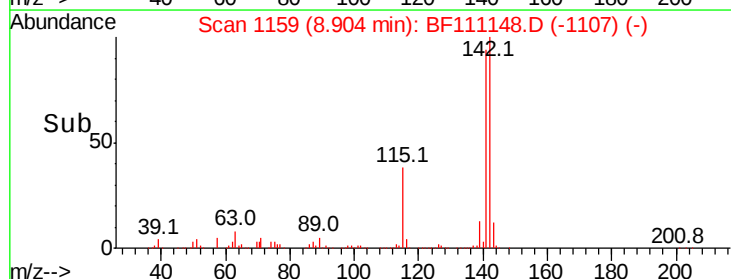
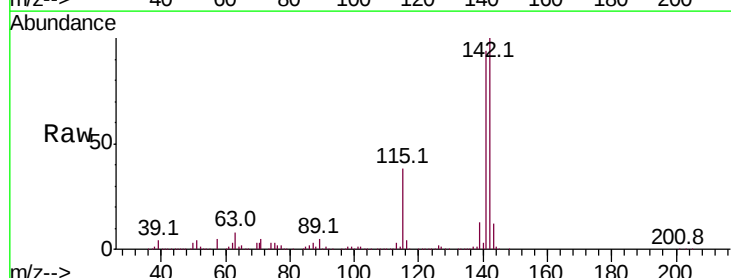
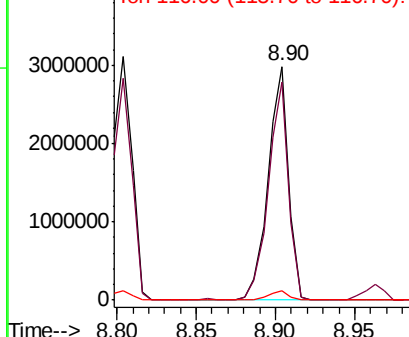
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	74.5	111.7
116	3.8	3.2	4.8

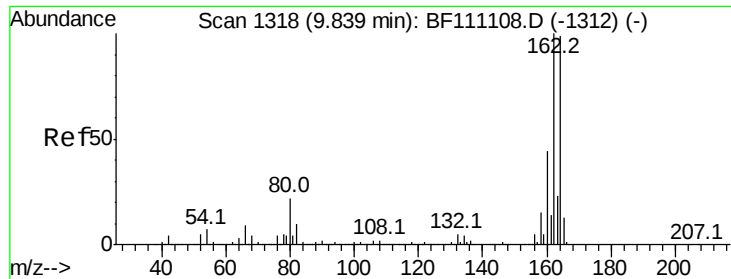
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

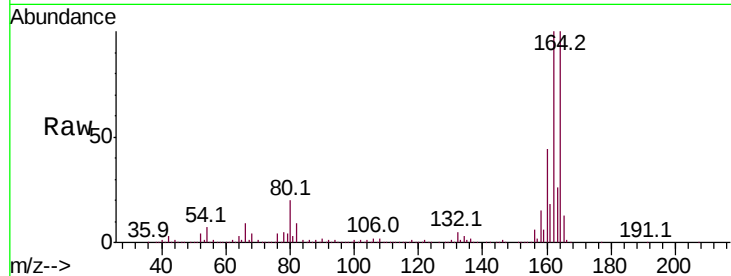
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:	164	Resp:	925153
Ion Ratio	Lower	Upper	
164	100		
162	99.8	80.6	120.8
160	43.6	35.5	53.3

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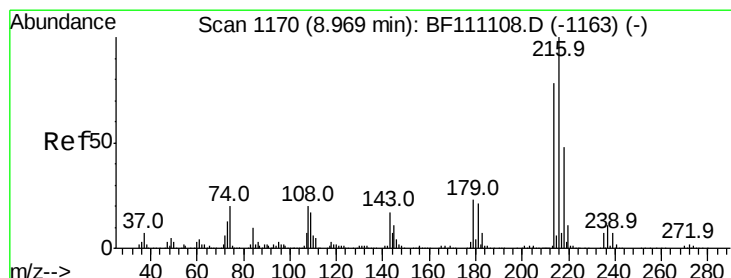
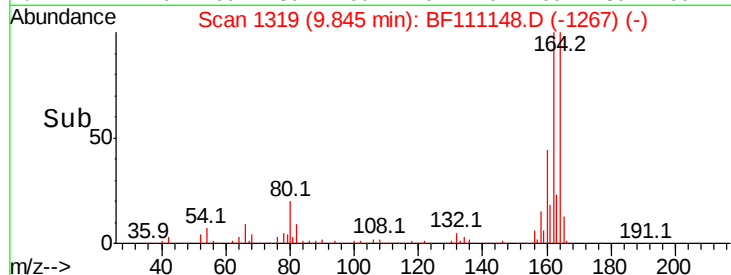
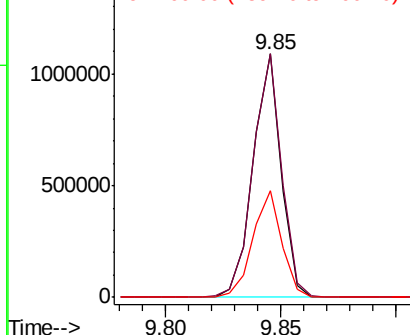


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.124 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tgt Ion:	216	Resp:	1014003
Ion Ratio	Lower	Upper	
216	100		
214	79.9	63.4	95.0
179	23.5	18.5	27.7
108	26.2	19.1	28.7

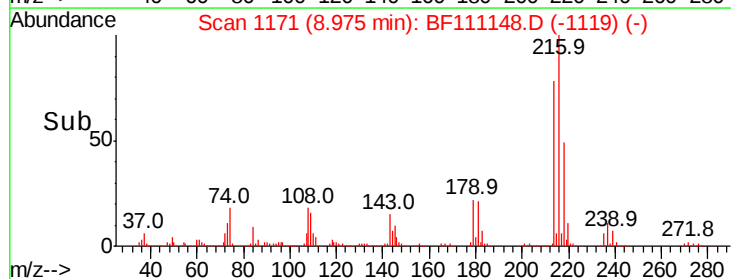
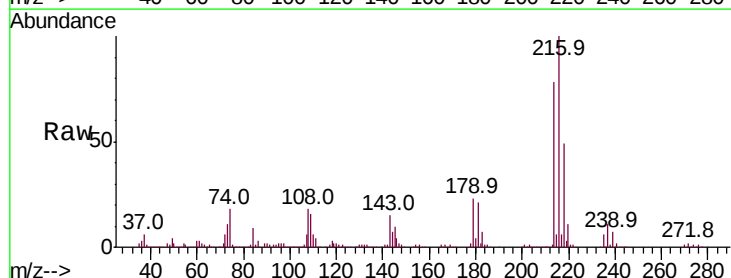
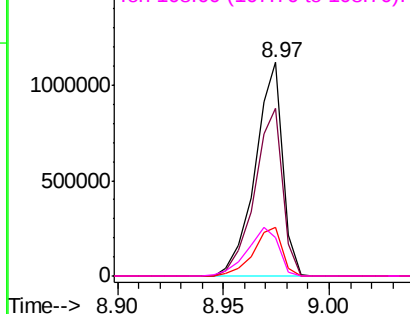
Abundance

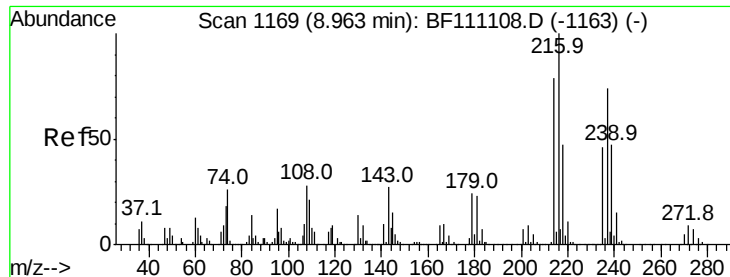
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 96.383 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:237 Resp: 1253122

Ion Ratio Lower Upper

237 100

235 65.8 41.9 81.9

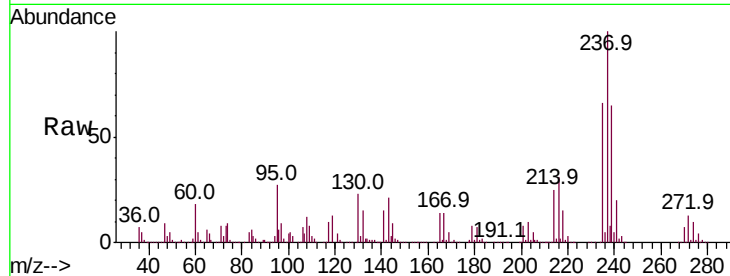
272 12.7 0.0 32.7

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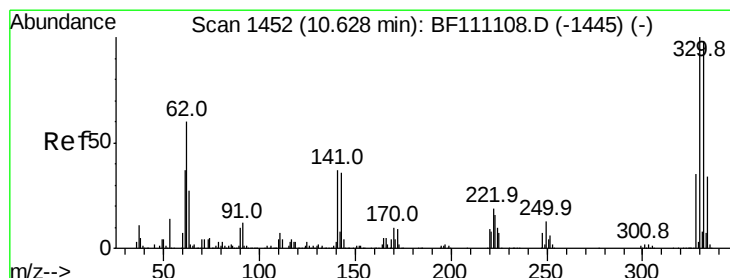
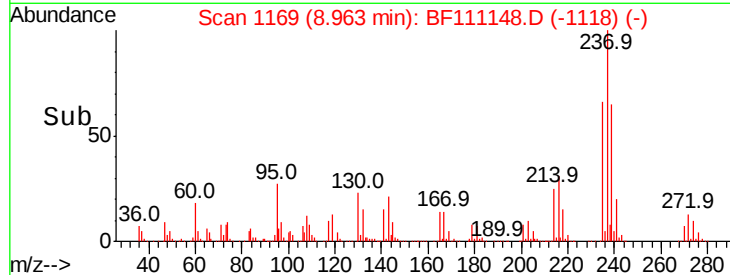
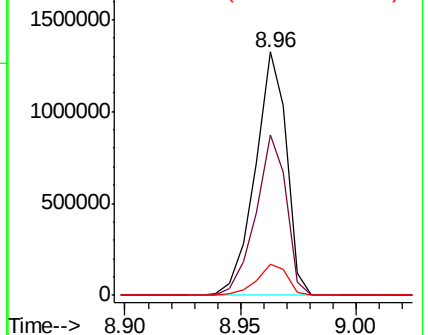
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 140.357 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

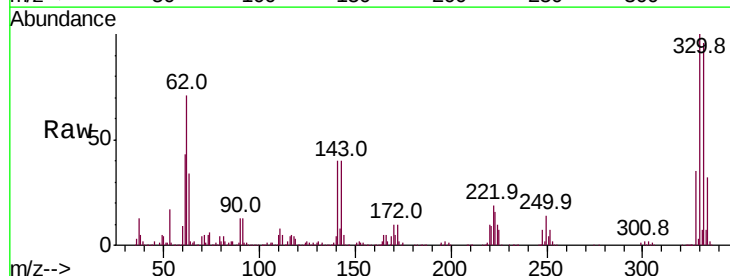
Tgt Ion:330 Resp: 1032171

Ion Ratio Lower Upper

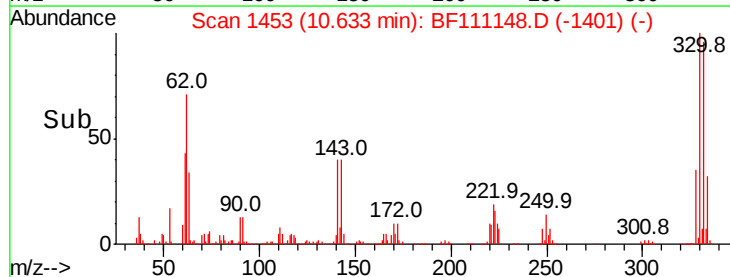
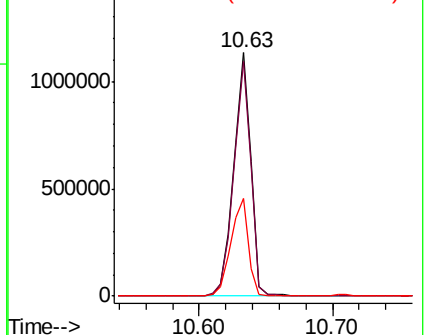
330 100

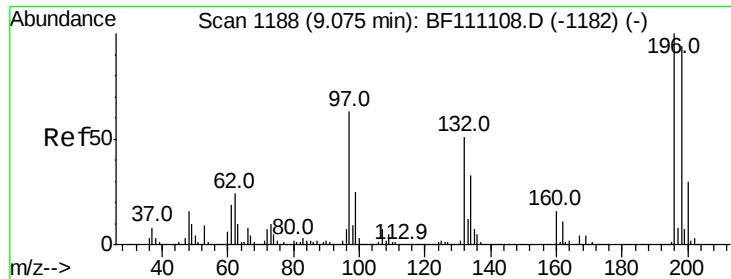
332 96.4 77.2 115.8

141 41.2 36.1 54.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





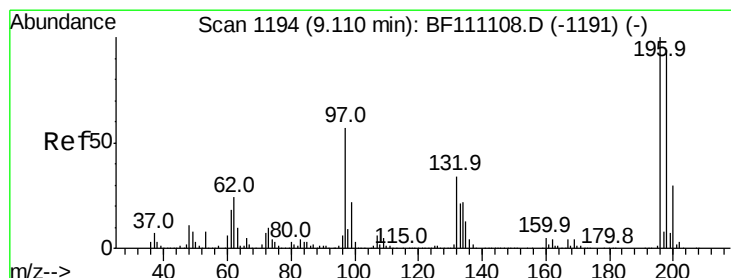
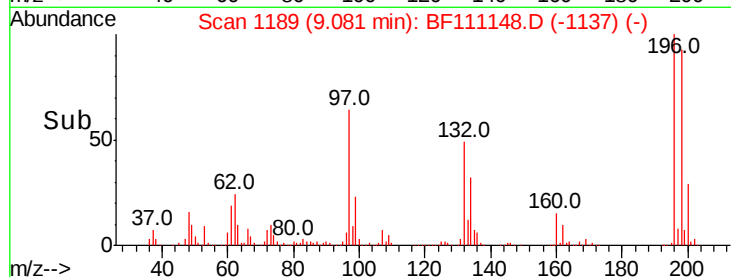
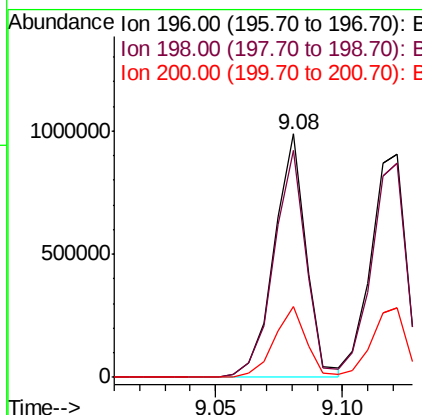
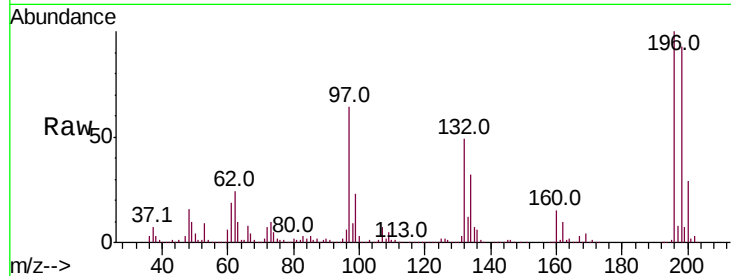
#43
 2,4,6-Trichlorophenol
 Concen: 47.529 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	855931		
198	93.3	75.4	113.0	
200	29.0	24.2	36.4	

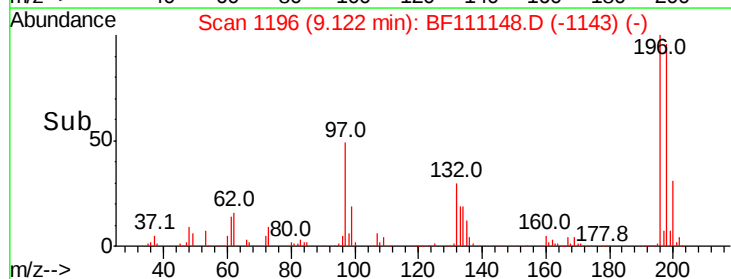
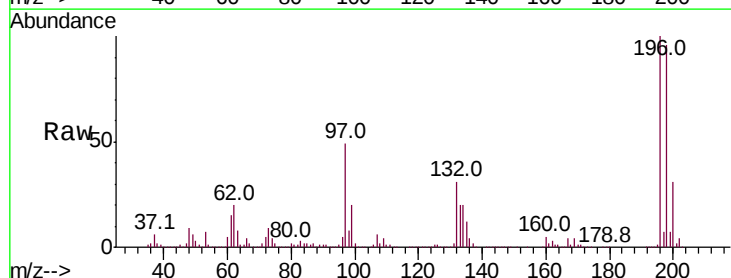
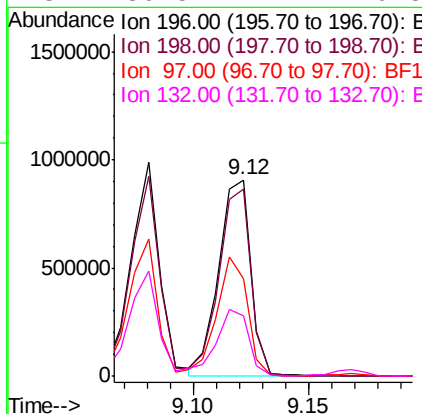
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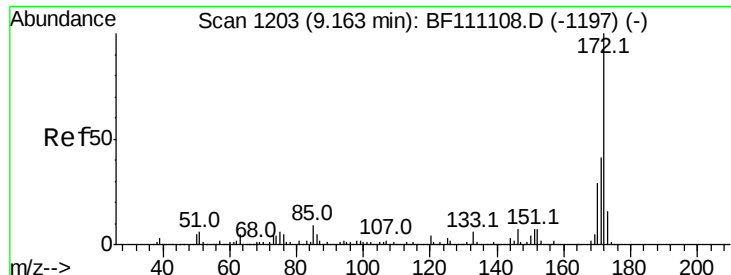
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#44
 2,4,5-Trichlorophenol
 Concen: 48.089 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	877892		
198	95.7	75.0	112.4	
97	49.4	46.2	69.4	
132	30.5	27.2	40.8	





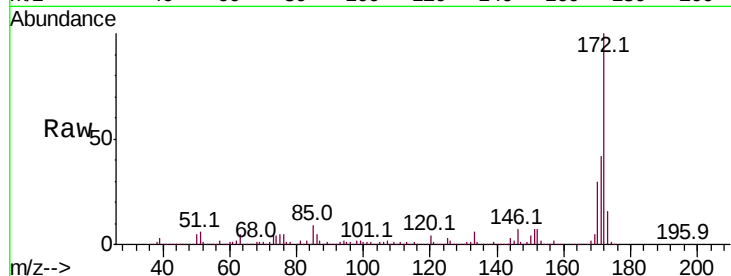
#45
2-Fluorobiphenyl
Concen: 100.840 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.2	33.2	49.8
170	29.5	22.9	34.3

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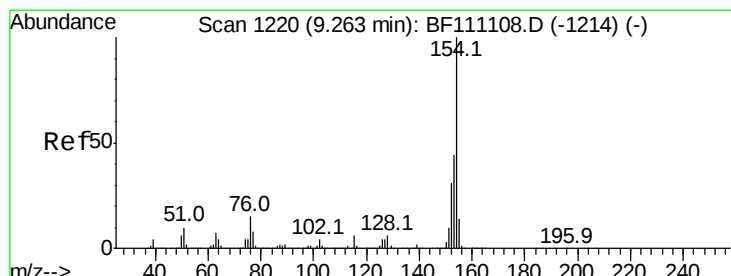
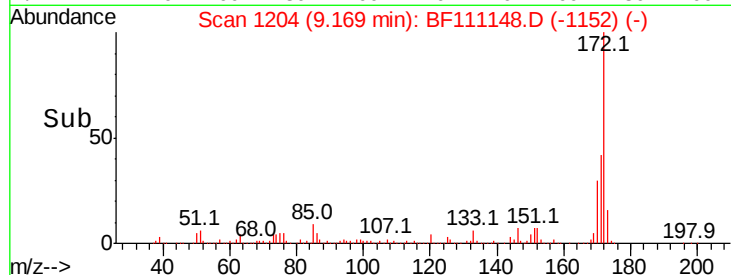
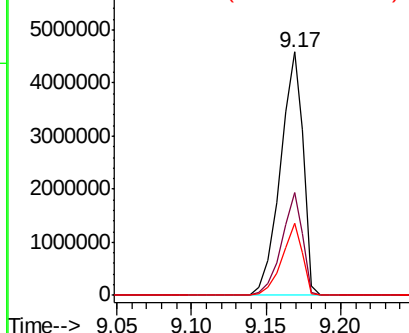


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 41.611 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

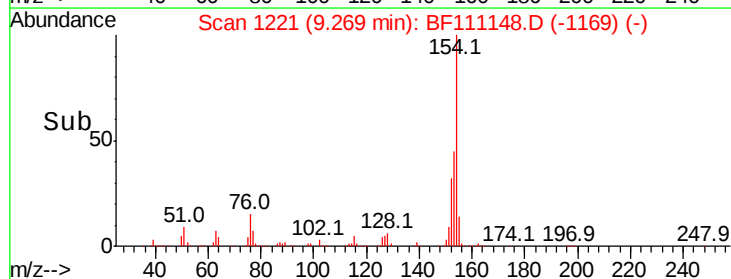
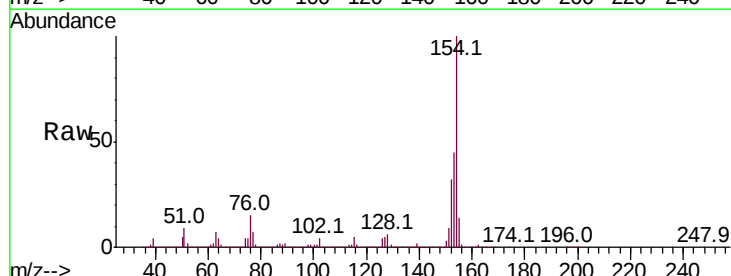
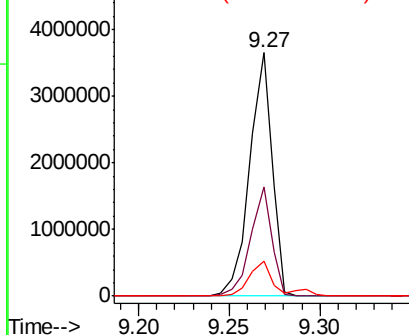
Tgt Ion	Ratio	Lower	Upper
154	100		
153	45.0	23.7	63.7
76	14.6	0.0	35.0

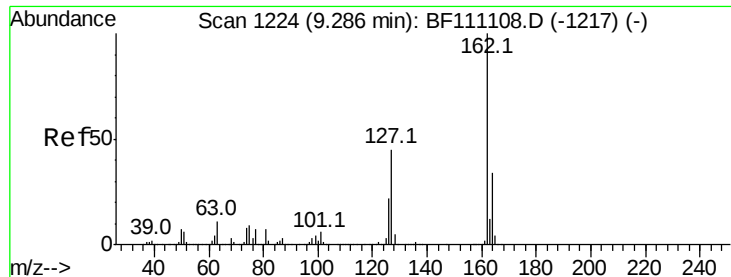
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





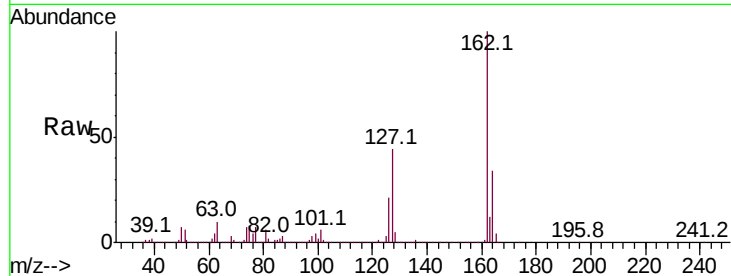
#47
2-Chloronaphthalene
Concen: 43.898 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

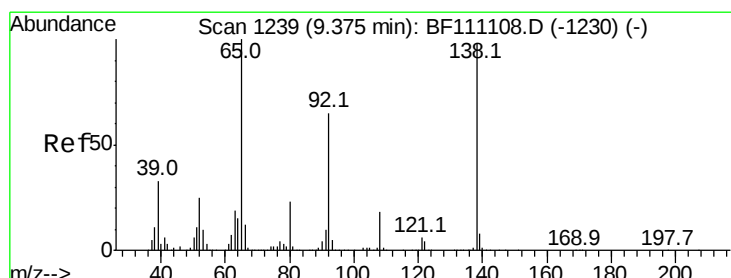
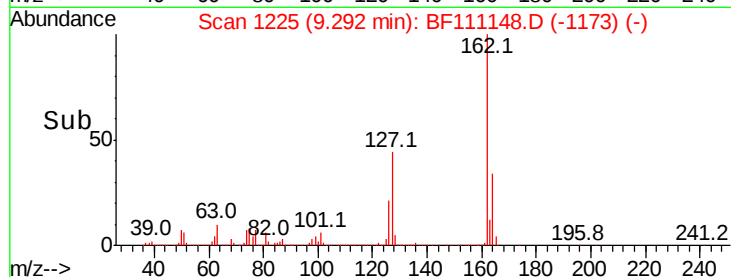
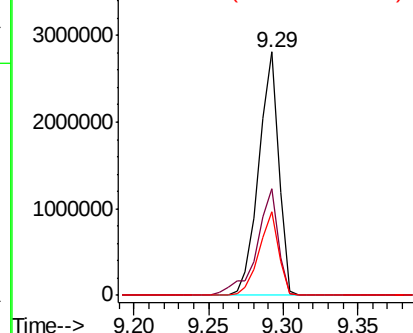
Tot Ion	Ratio	Lower	Upper
162	100		
127	44.1	36.4	54.6
164	34.3	27.3	40.9

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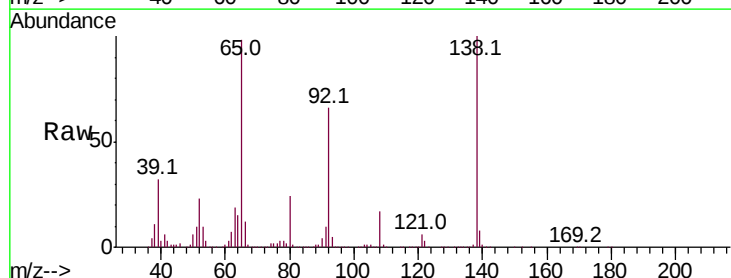


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

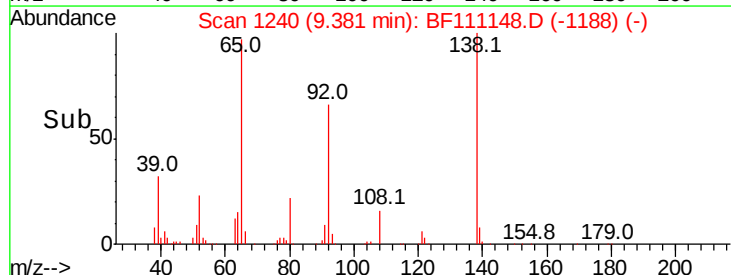
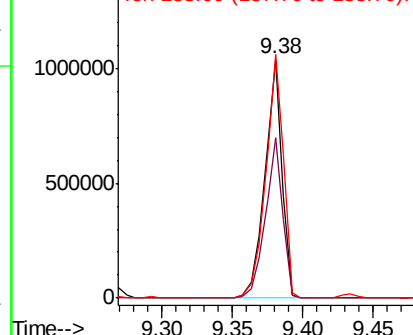


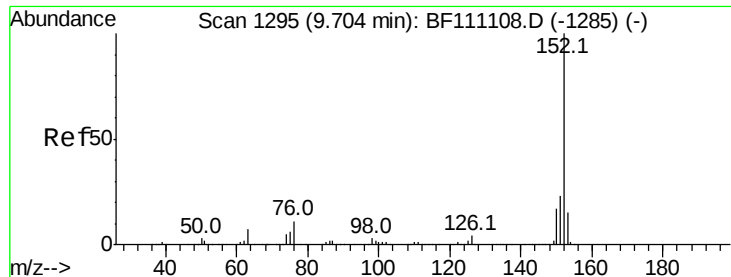
#48
2-Nitroaniline
Concen: 46.962 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.3	52.1	78.1
138	101.9	78.2	117.4



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





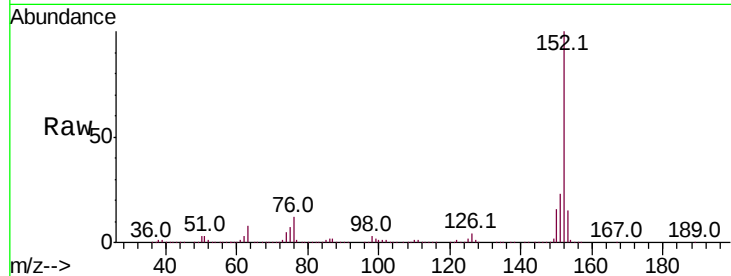
#49
Acenaphthylene
Concen: 47.884 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

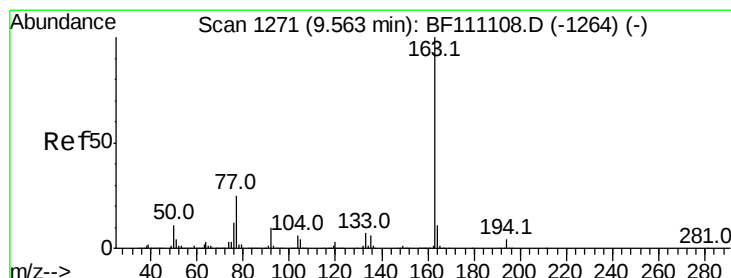
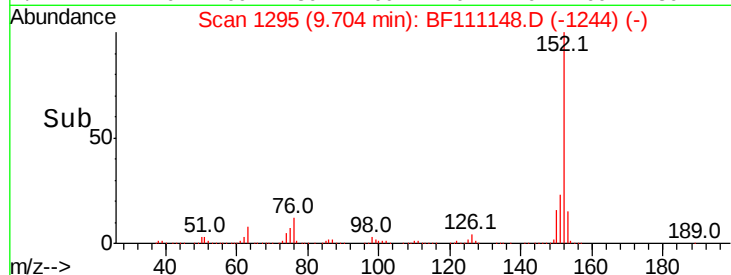
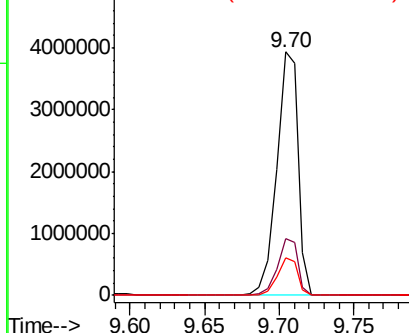
Tot Ion:152 Resp: 3939067
Ion Ratio Lower Upper
152 100
151 23.1 18.3 27.5
153 15.3 11.8 17.8

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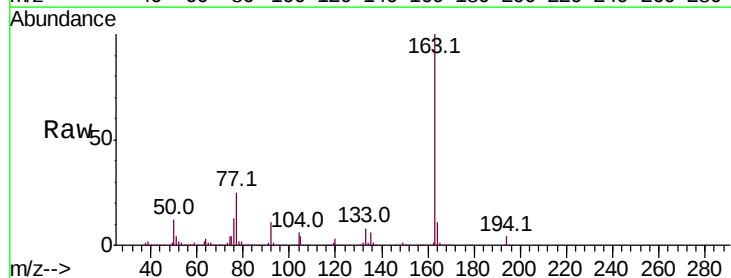


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

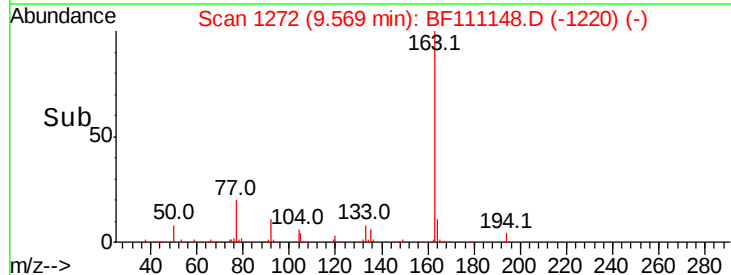
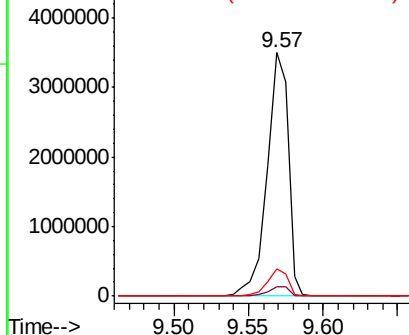


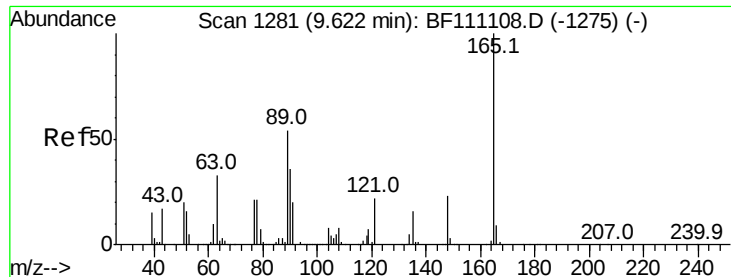
#50
Dimethylphthalate
Concen: 52.972 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion:163 Resp: 3410705
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 11.4 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





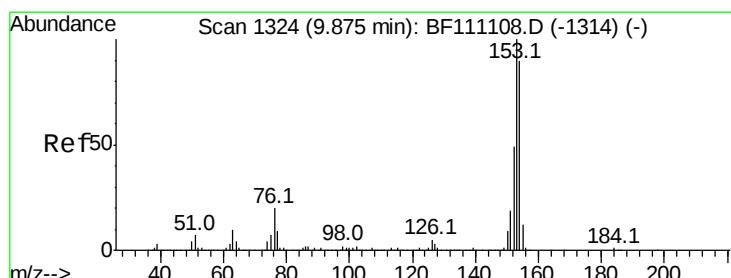
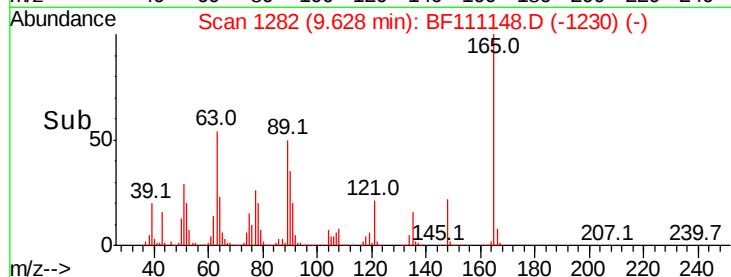
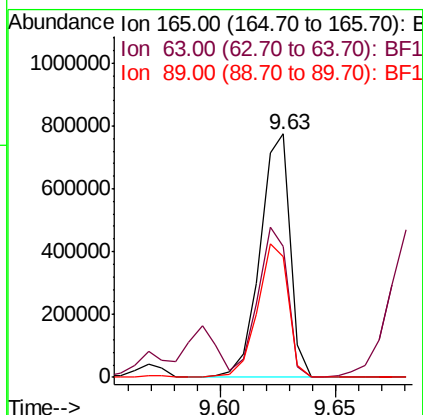
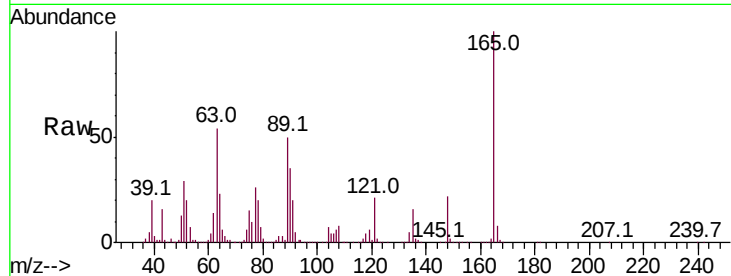
#51
 2,6-Dinitrotoluene
 Concen: 51.416 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	53.7	44.7	67.1
89	49.7	43.0	64.4

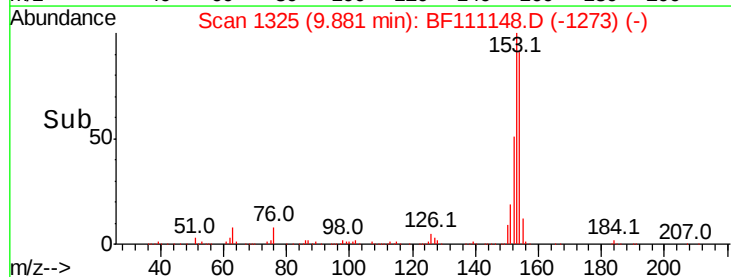
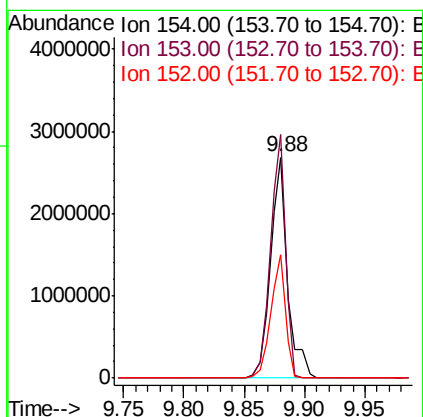
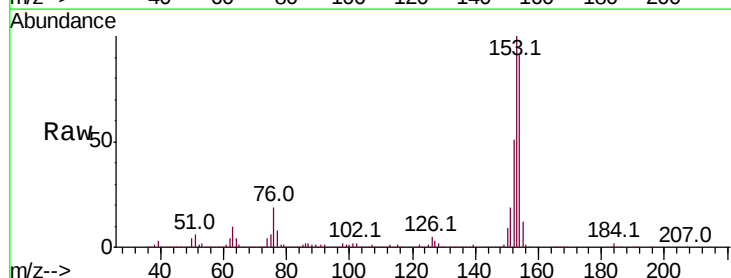
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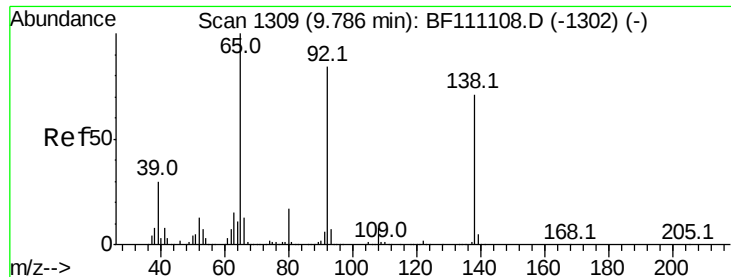
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#52
 Acenaphthene
 Concen: 48.309 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.7	133.1
152	56.0	43.8	65.8





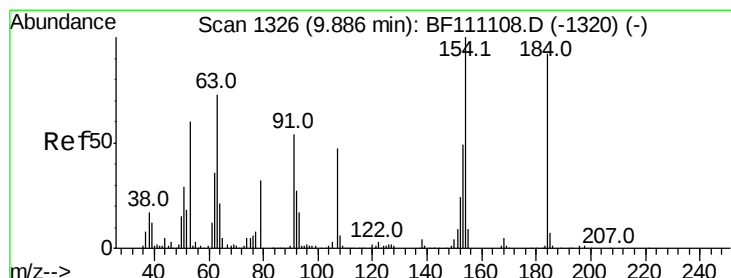
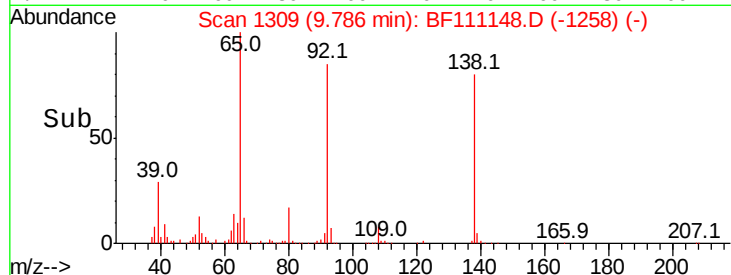
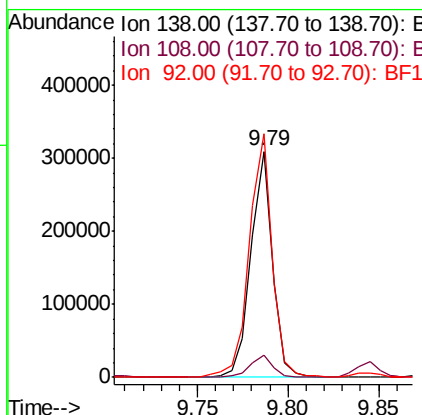
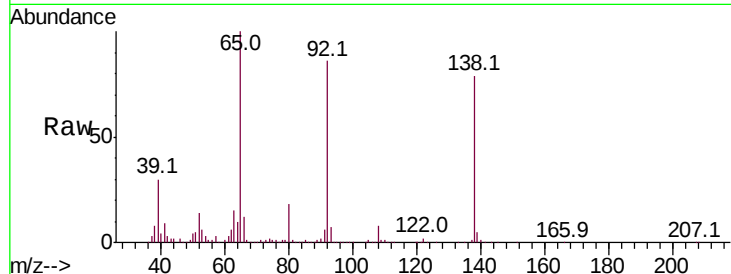
#53
3-Nitroaniline
Concen: 15.025 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	9.4	14.0
92	107.9	94.1	141.1

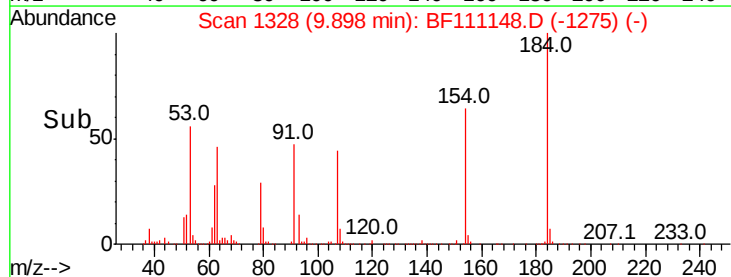
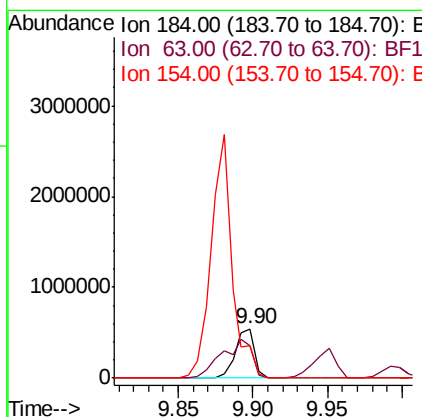
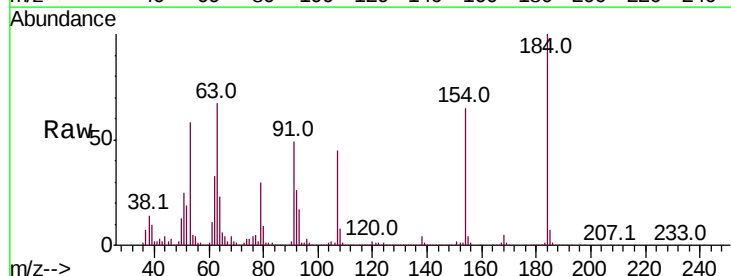
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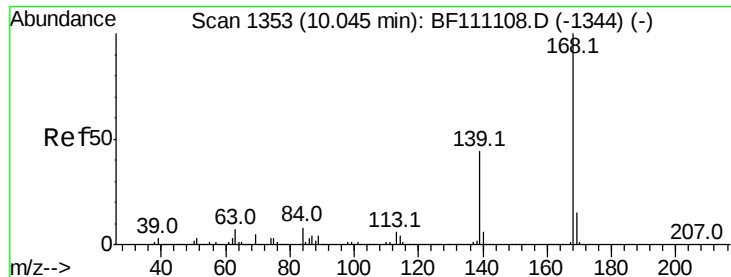
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#54
2,4-Dinitrophenol
Concen: 110.292 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.6	64.2	96.4
154	64.6	89.5	134.3





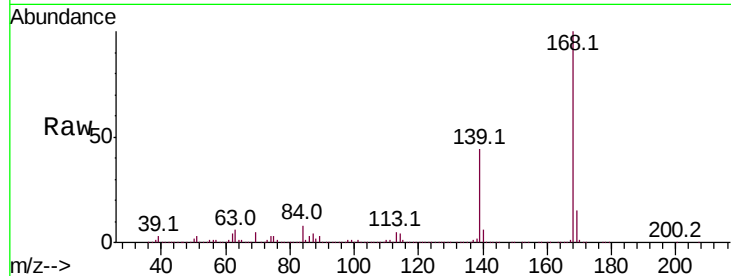
#55
Dibenzofuran
Concen: 46.371 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

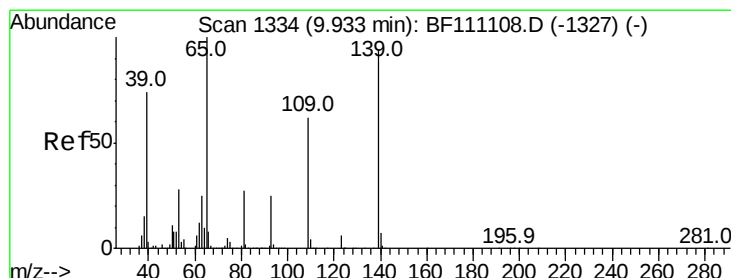
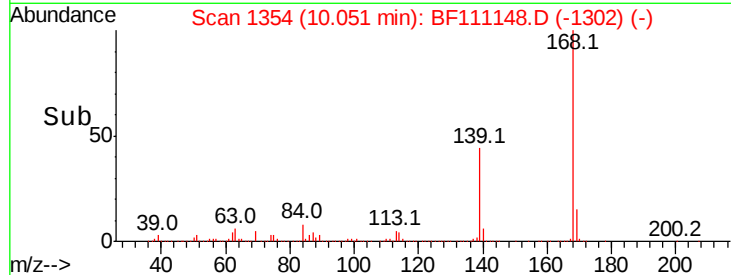
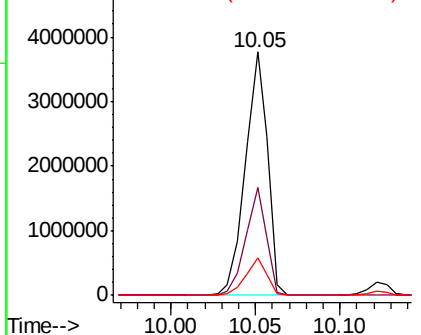
Tot Ion:168 Resp: 3471038
Ion Ratio Lower Upper
168 100
139 44.2 35.1 52.7
169 15.2 12.2 18.4

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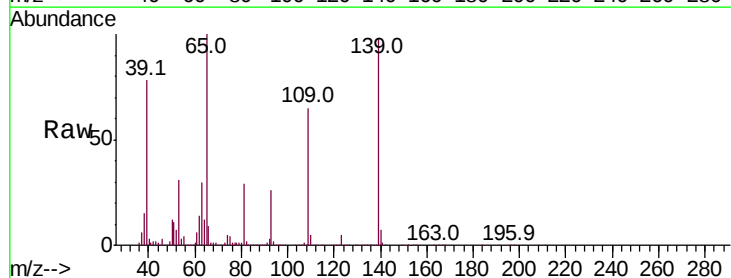


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

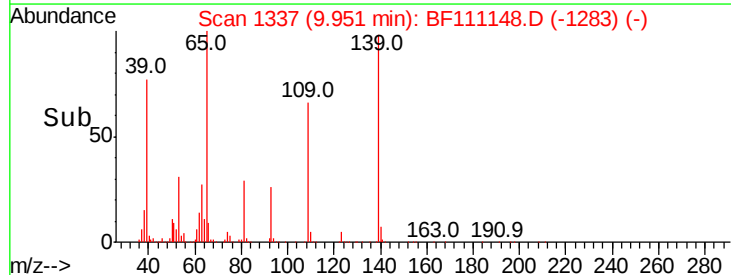
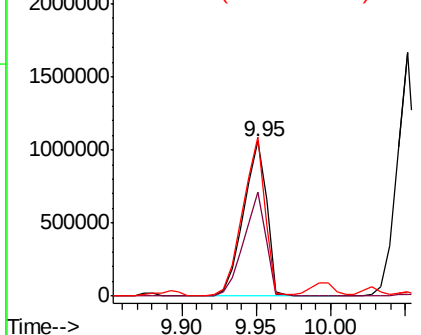


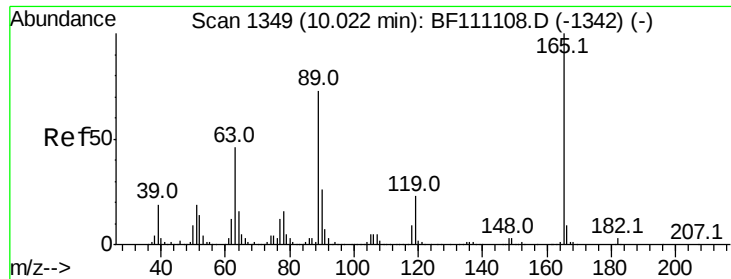
#56
4-Nitrophenol
Concen: 87.827 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion:139 Resp: 1134853
Ion Ratio Lower Upper
139 100
109 67.1 46.1 86.1
65 102.5 87.0 127.0



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





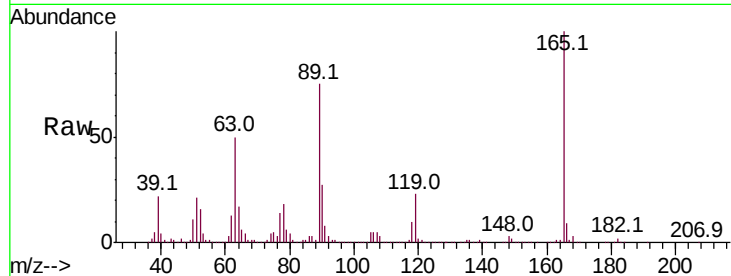
#57
2,4-Dinitrotoluene
Concen: 54.036 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	50.0	36.7	55.1	
89	75.0	58.4	87.6	
182	2.3	2.1	3.1	

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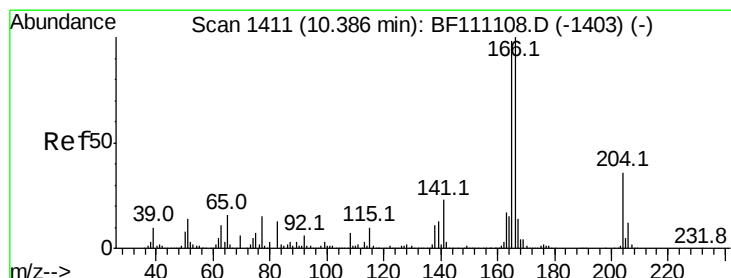
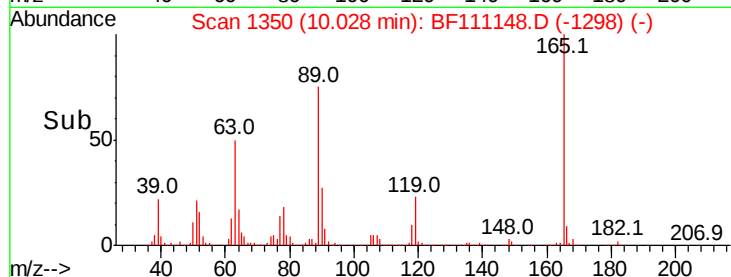
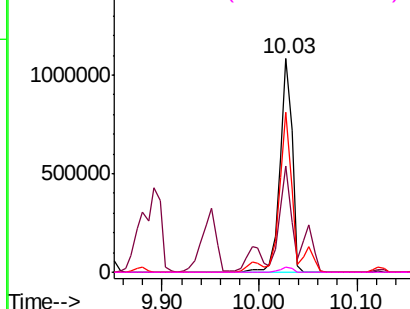
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 49.709 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

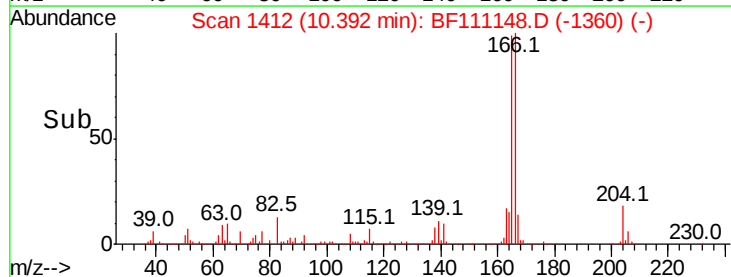
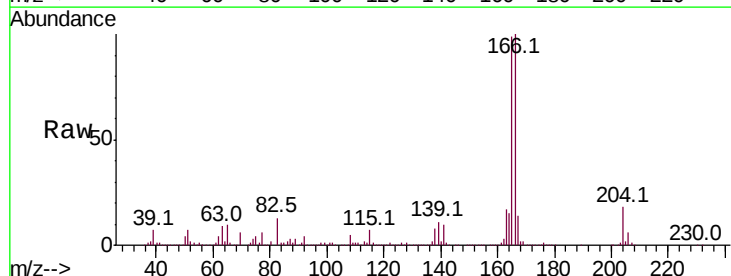
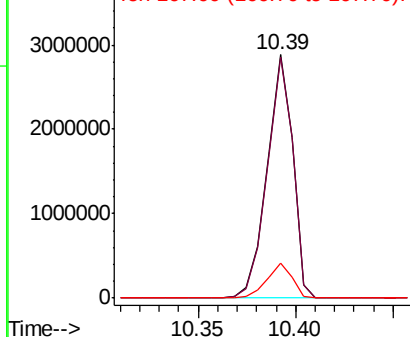
Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.8	78.4	117.6	
167	14.3	11.4	17.2	

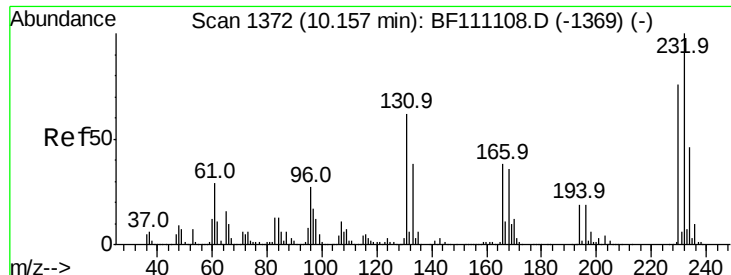
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





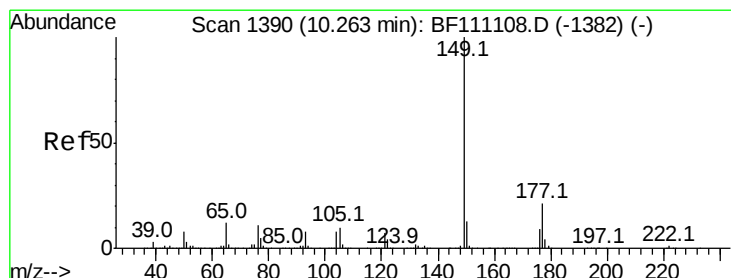
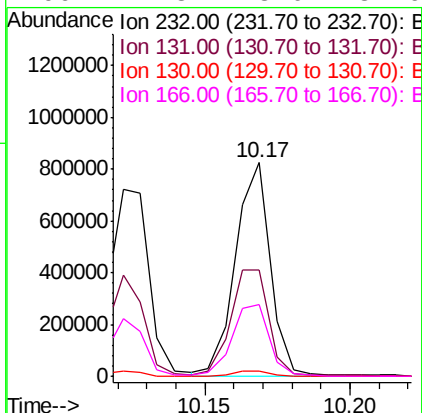
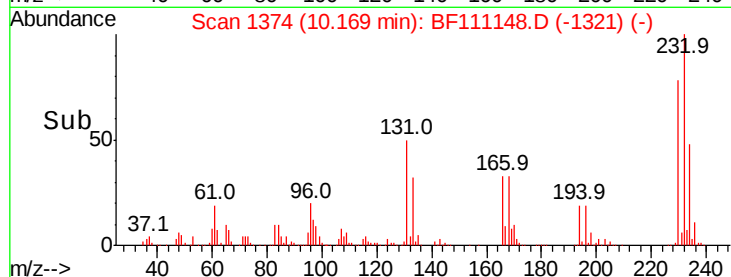
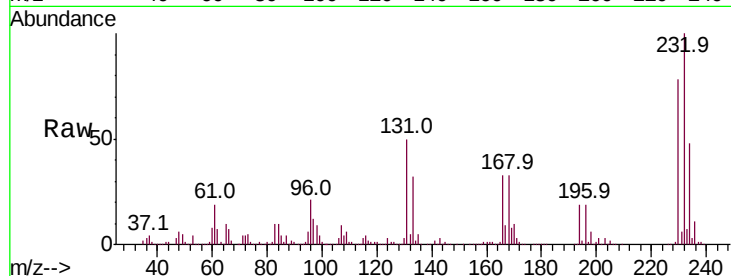
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.184 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.0	40.4	60.6
130	2.8	2.1	3.1
166	27.8	23.0	34.6

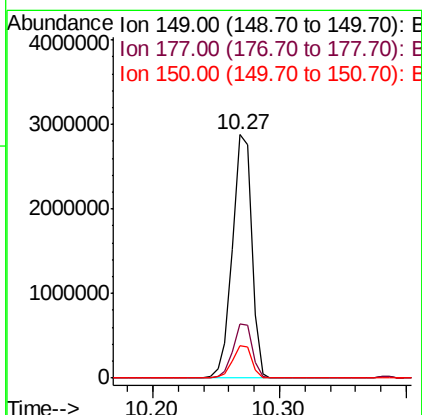
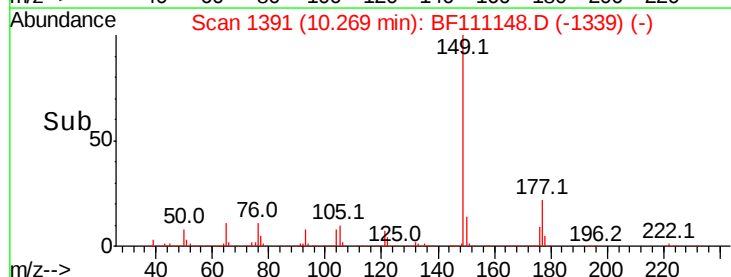
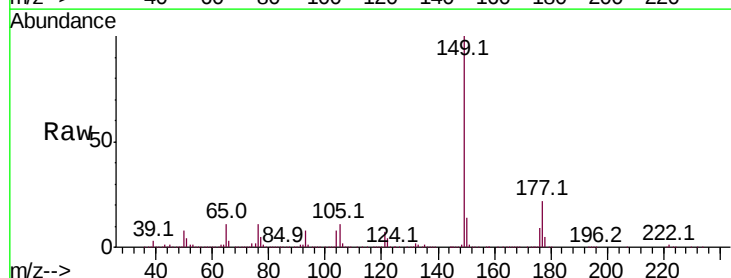
Manual Integrations
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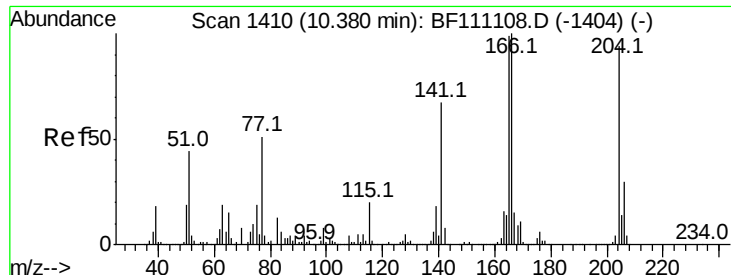
mohammad
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#60
Diethylphthalate
Concen: 46.737 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.0	25.6
150	13.5	10.5	15.7





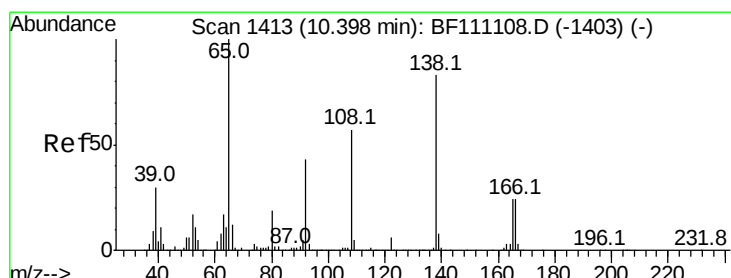
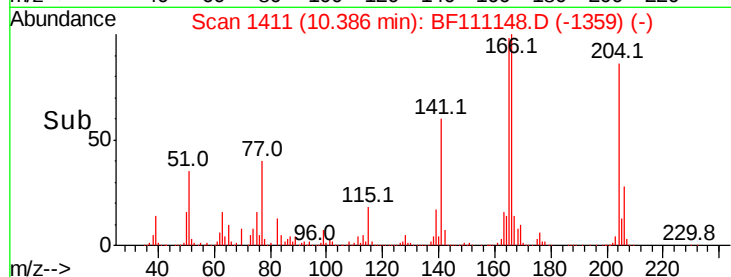
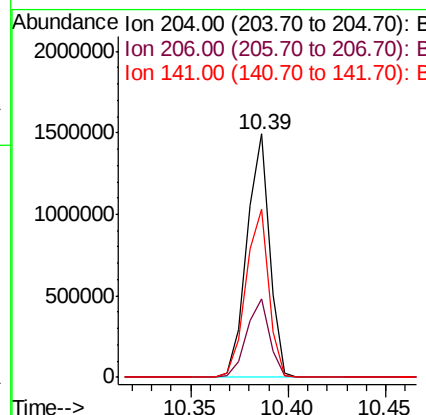
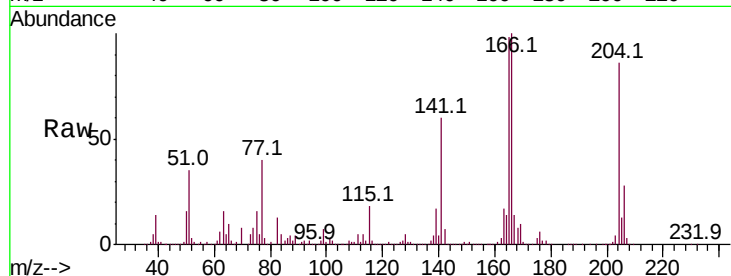
#61
 4-Chlorophenyl-phenylether
 Concen: 46.177 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	69.2	57.4	86.0

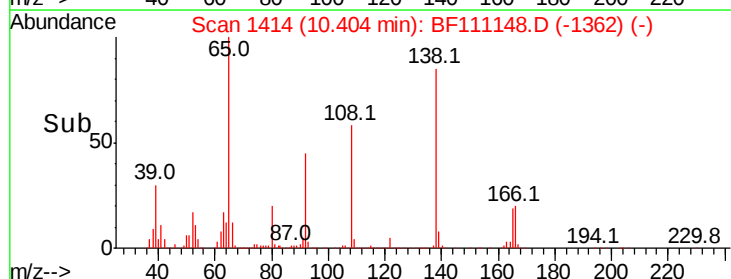
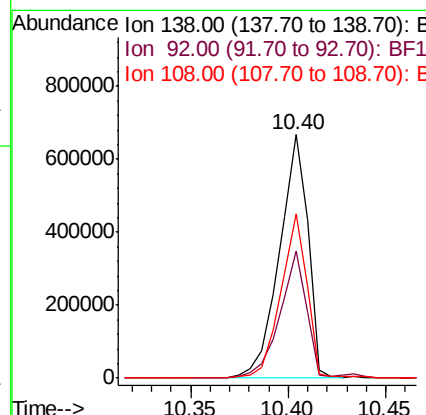
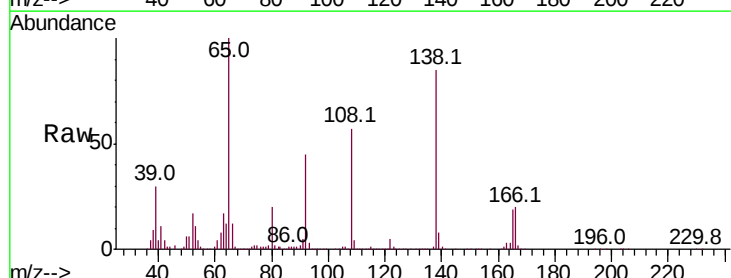
Manual Integrations
 APPROVED

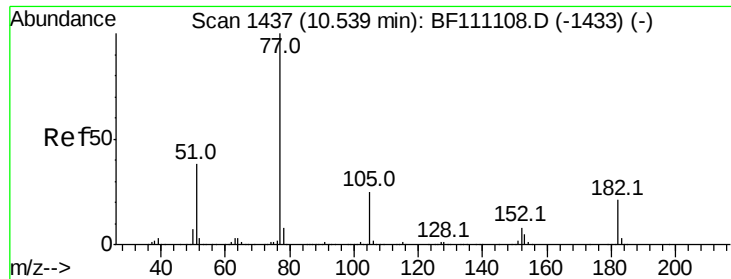
mohammad
 12/10/2018 12:19:07 PM



#62
 4-Nitroaniline
 Concen: 43.539 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.5	31.6	71.6
108	67.4	48.3	88.3





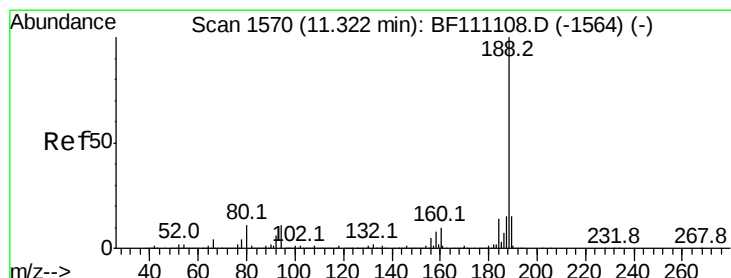
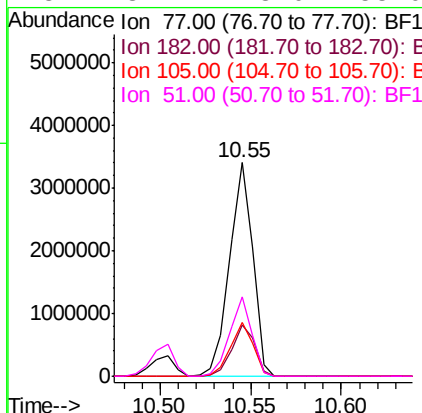
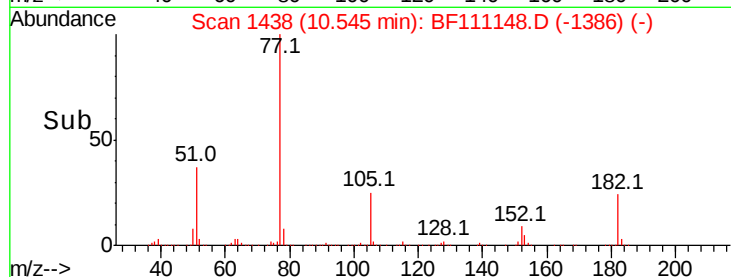
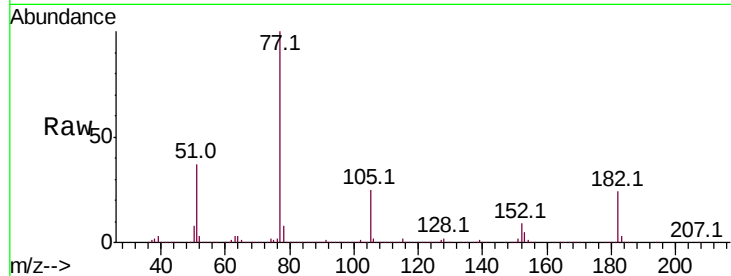
#63
Azobenzene
Concen: 44.526 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion: 77 Resp: 3050287
Ion Ratio Lower Upper
77 100
182 23.9 1.4 41.4
105 24.9 4.7 44.7
51 37.1 18.0 58.0

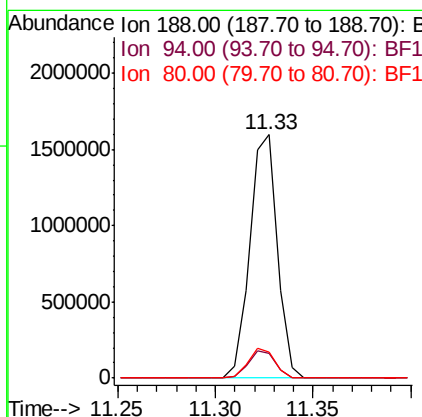
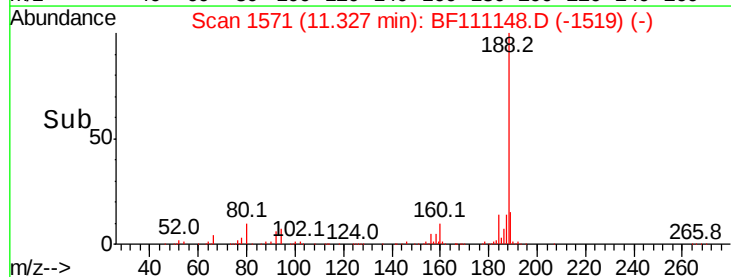
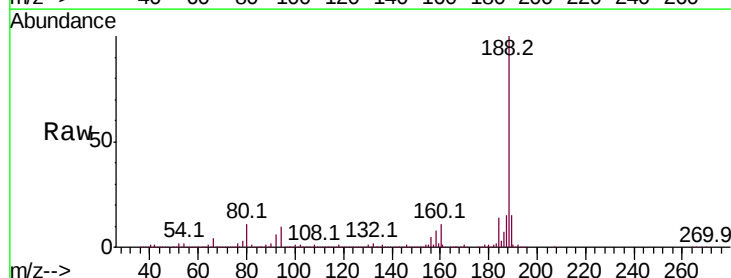
Manual Integrations
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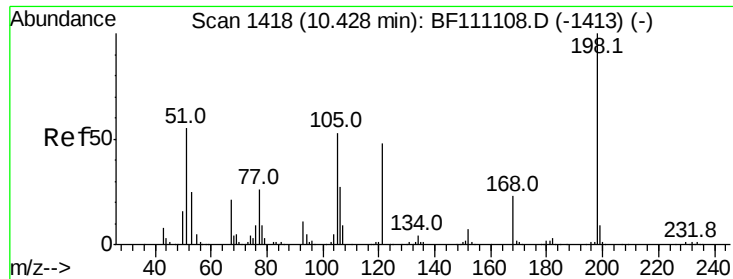
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion: 188 Resp: 1557916
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 53.804 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

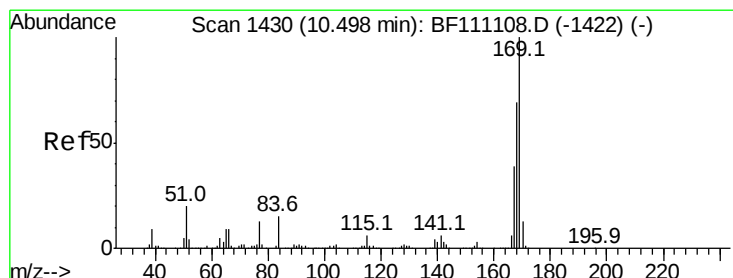
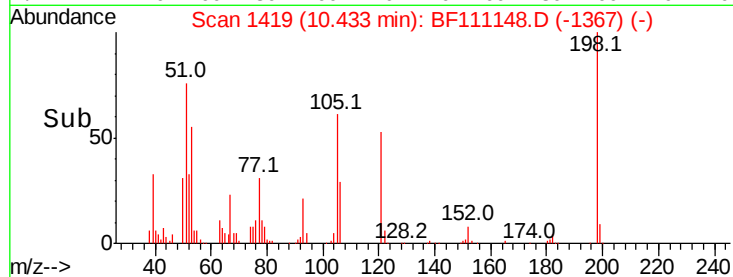
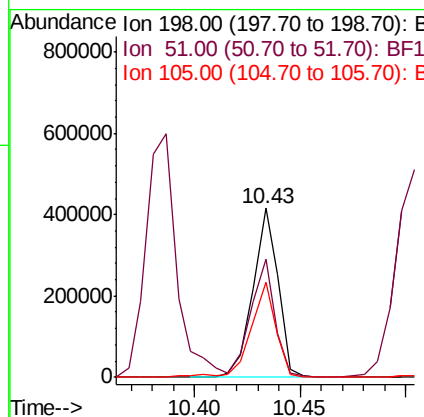
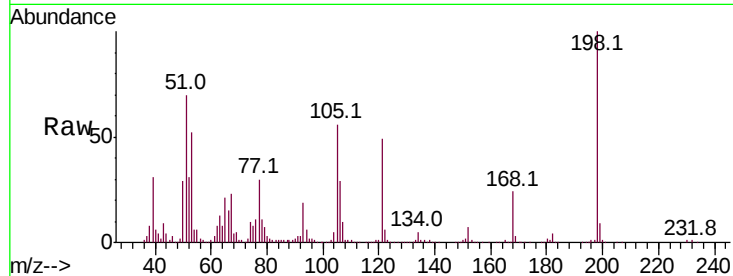
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:	198	Resp:	346296
Ion Ratio	Lower	Upper	
198	100		
51	69.9	48.8	88.8
105	55.9	35.2	75.2

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 44.488 ng

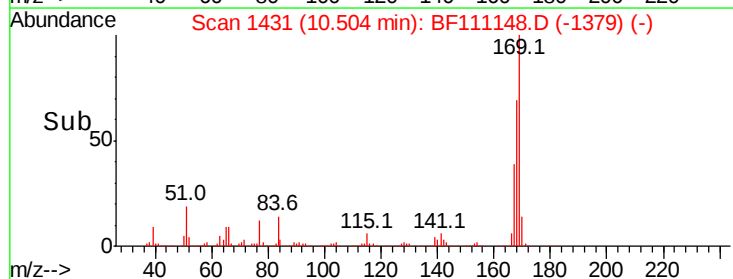
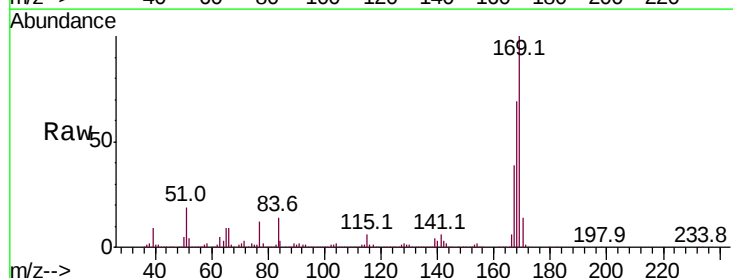
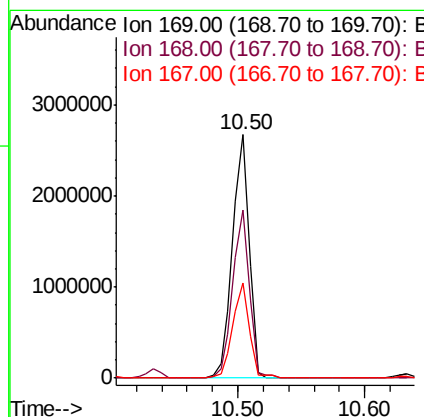
RT: 10.50 min Scan# 1431

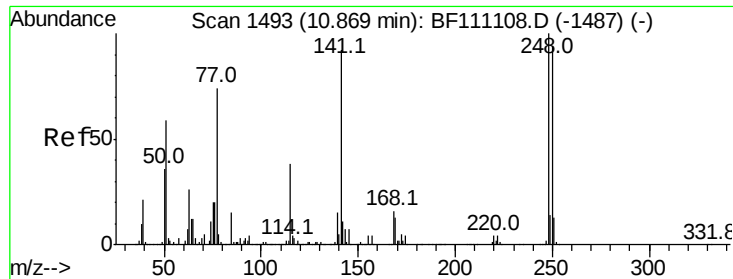
Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tgt Ion:	169	Resp:	2426855
Ion Ratio	Lower	Upper	
169	100		
168	69.0	55.4	83.2
167	39.2	31.1	46.7





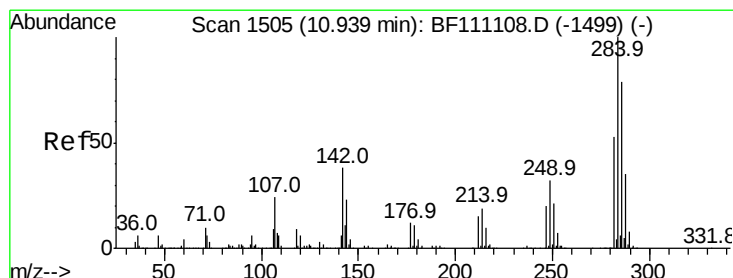
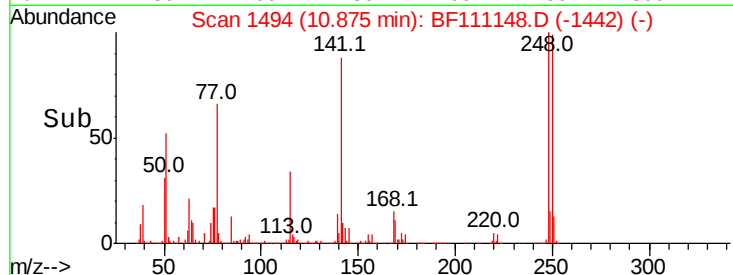
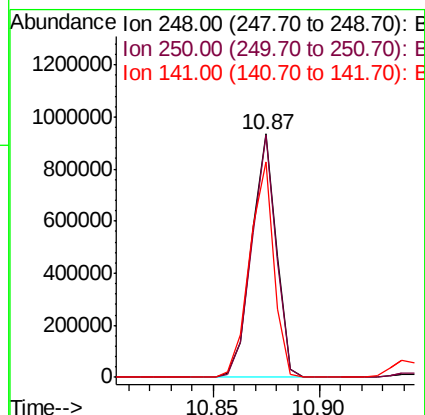
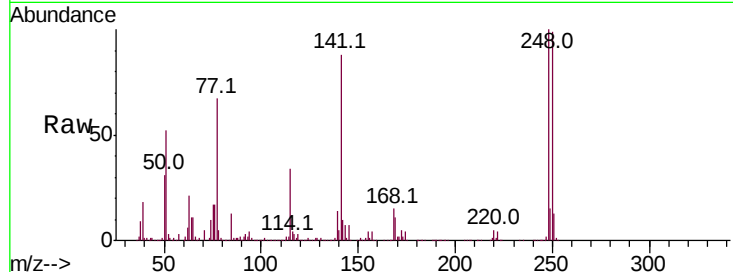
#67
4-Bromophenyl-phenylether
Concen: 46.301 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.4	75.4	113.0
141	88.4	73.8	110.6

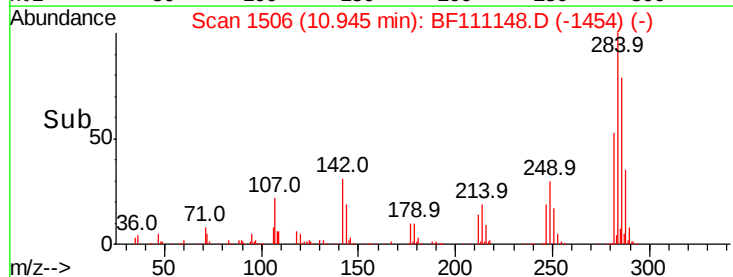
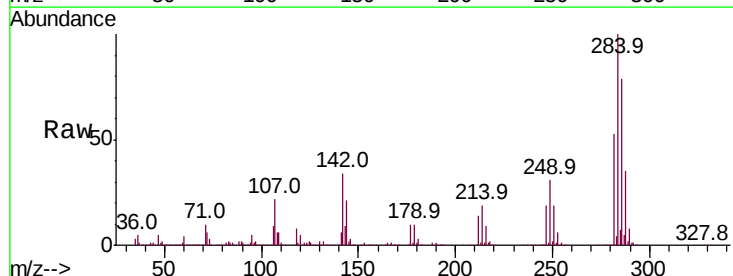
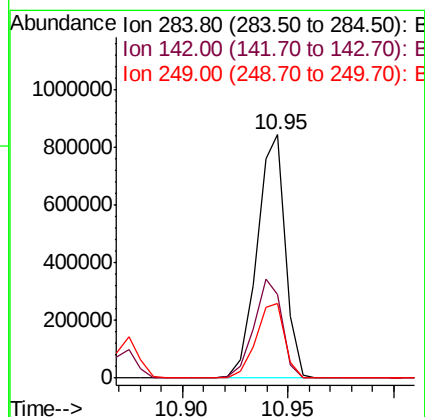
Manual Integrations
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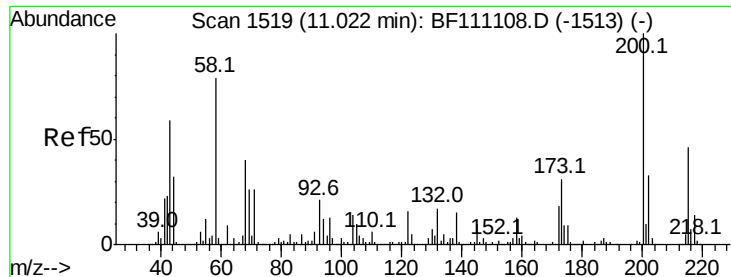
mohammad
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#68
Hexachlorobenzene
Concen: 46.491 ng
RT: 10.95 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	30.2	45.2
249	30.9	25.3	37.9





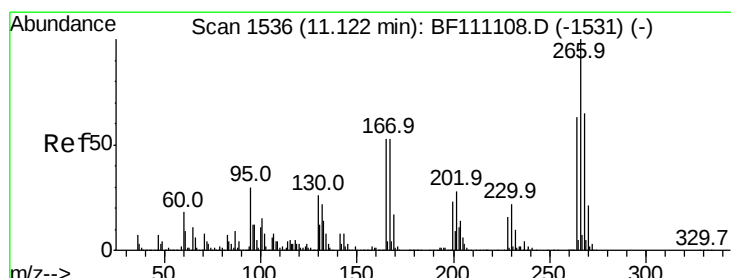
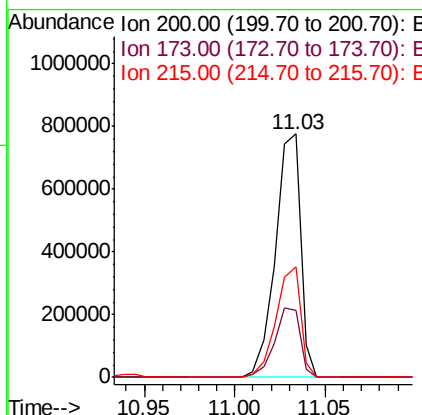
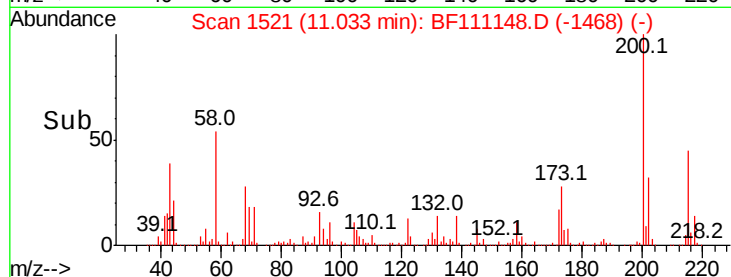
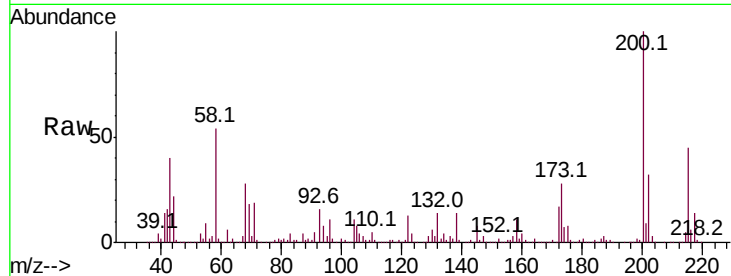
#69
Atrazine
Concen: Below Cal
RT: 11.03 min Scan# 1521
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.8	11.3	51.3
215	45.4	25.9	65.9

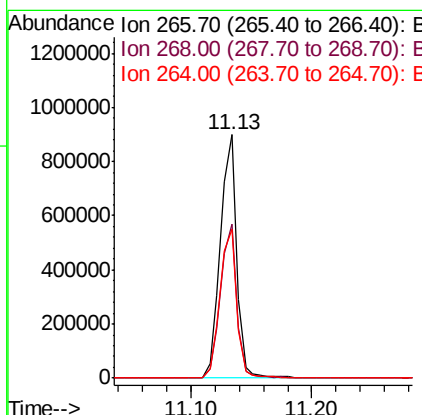
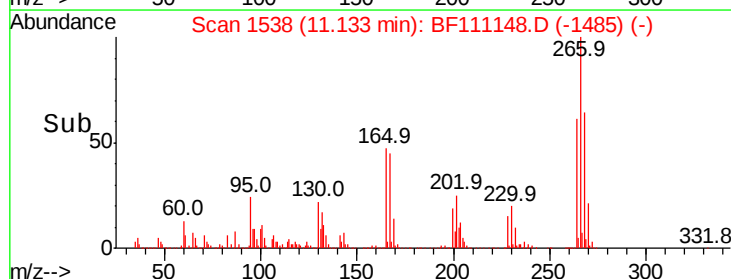
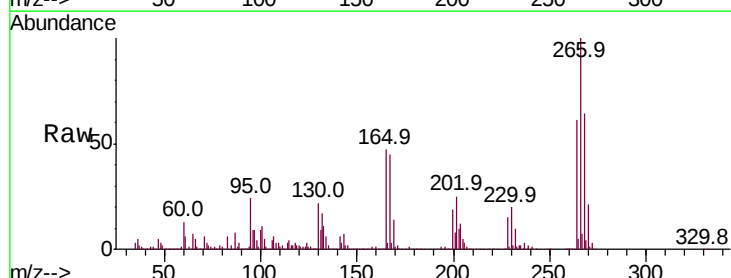
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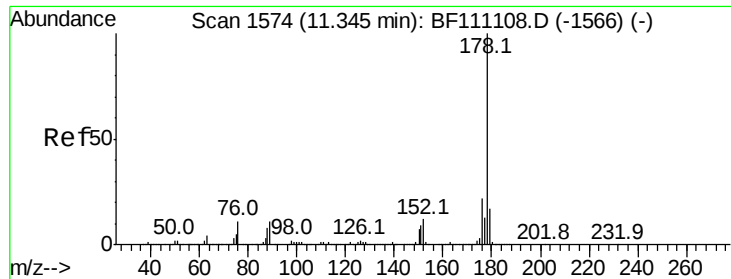
mohammad
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#70
Pentachlorophenol
Concen: 75.959 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.2	78.4
264	61.3	50.8	76.2





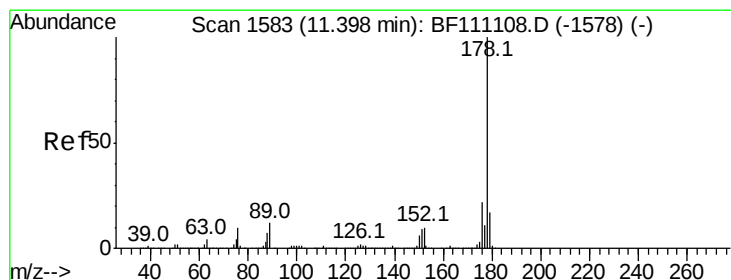
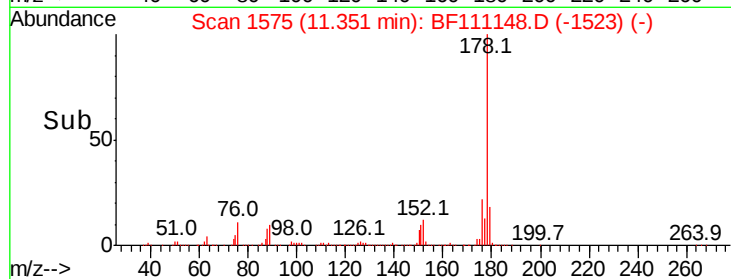
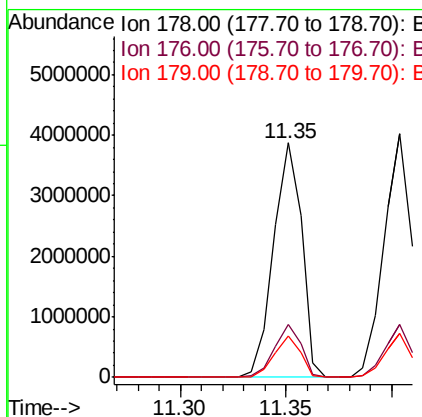
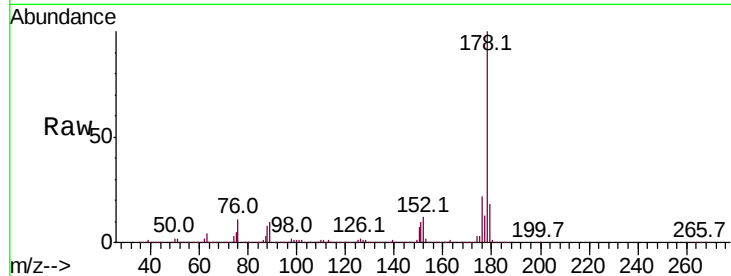
#71
Phenanthrene
Concen: 48.178 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion:178 Resp: 3610348
Ion Ratio Lower Upper
178 100
176 22.3 17.7 26.5
179 17.8 14.0 21.0

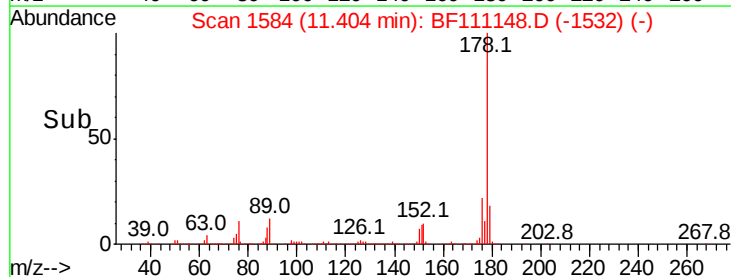
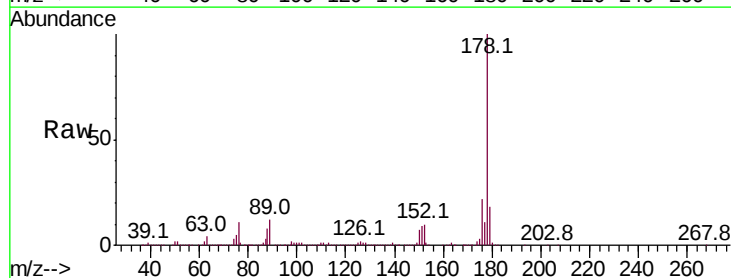
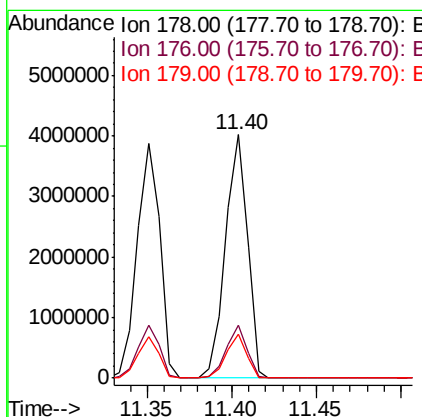
Manual Integrations
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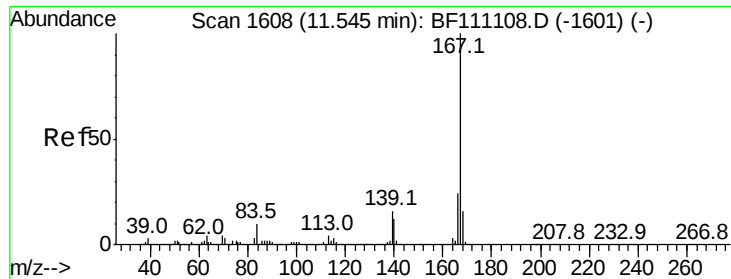
mohammad
12/10/2018 12:19:07 PM



#72
Anthracene
Concen: 48.211 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion:178 Resp: 3641776
Ion Ratio Lower Upper
178 100
176 22.0 17.3 25.9
179 17.9 13.8 20.8





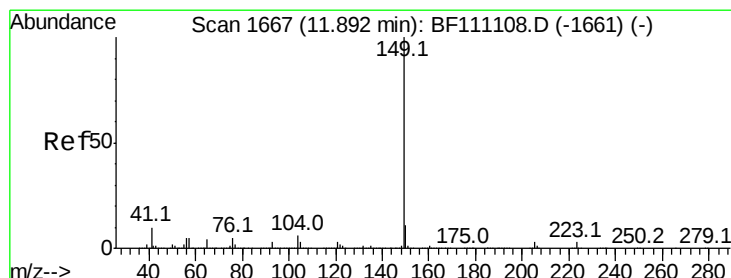
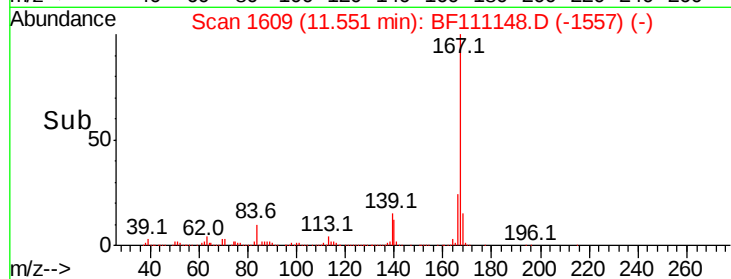
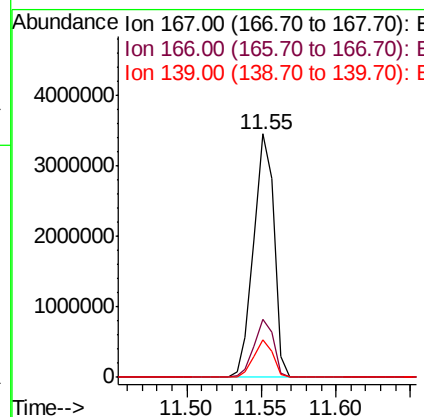
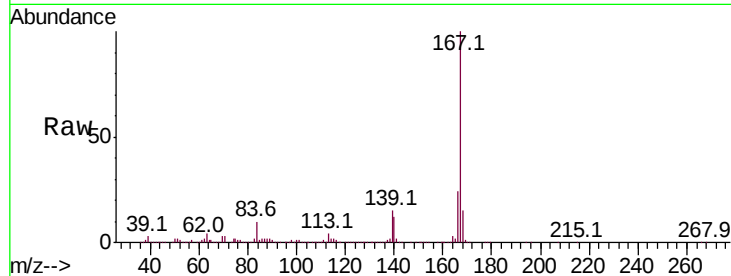
#73
 Carbazole
 Concen: 41.418 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.8	19.4	29.0
139	15.4	12.6	18.8

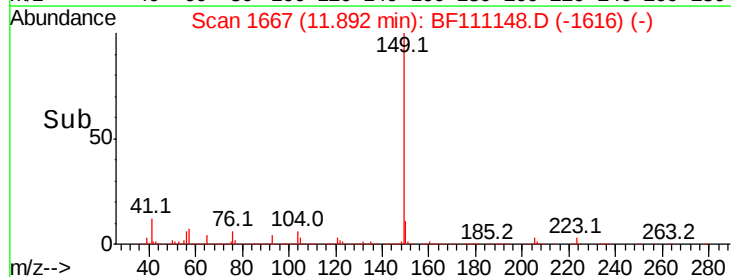
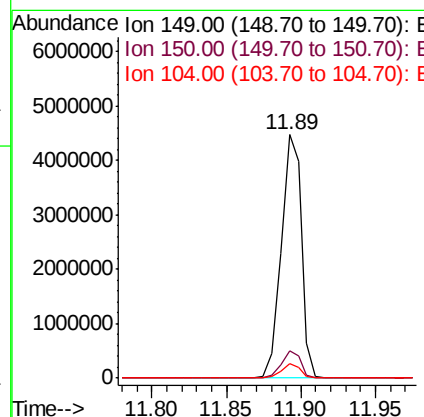
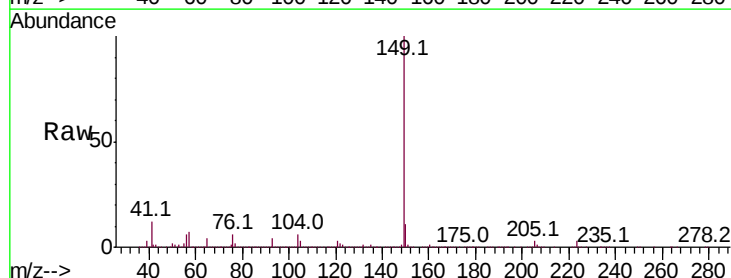
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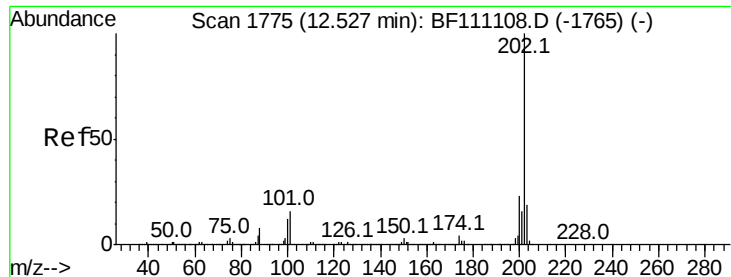
mohammad
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#74
 Di-n-butylphthalate
 Concen: 45.642 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.2	8.6	12.8
104	6.1	4.5	6.7





#75

Fluoranthene

Concen: 44.194 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

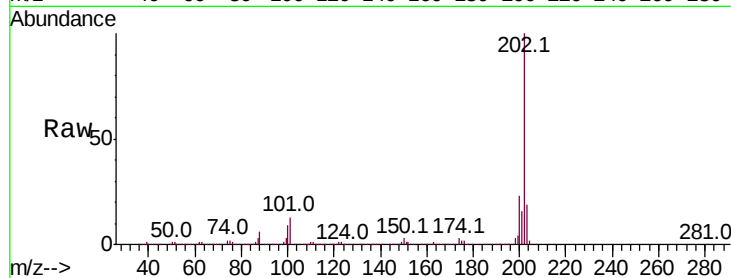
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	35.8
203	18.8	0.0	38.6

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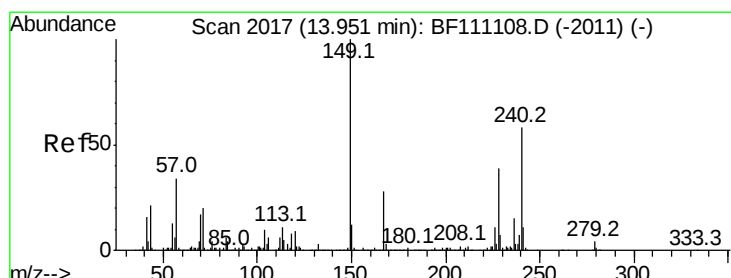
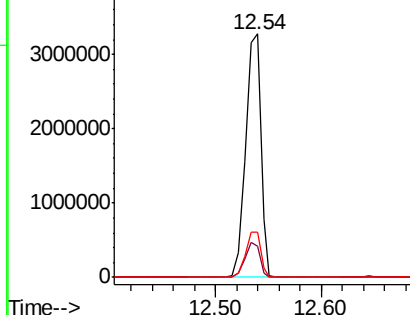
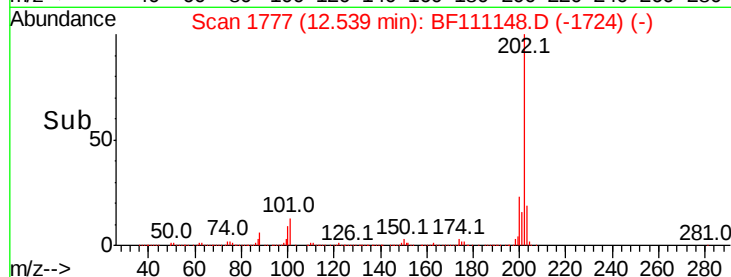


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

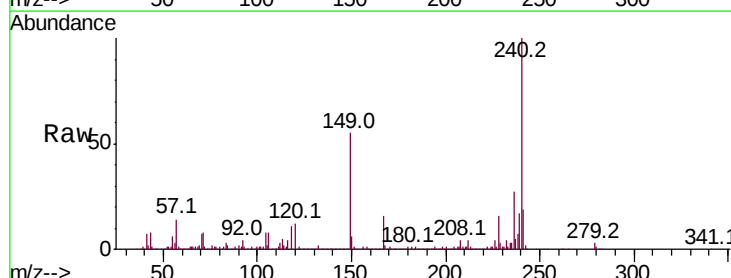
RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	12.8	19.2#
236	26.6	21.1	31.7

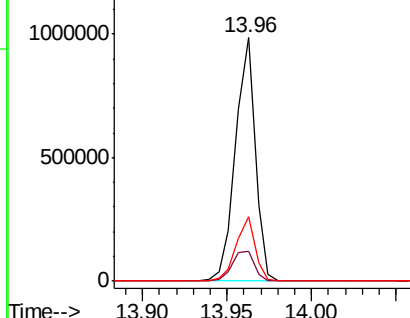
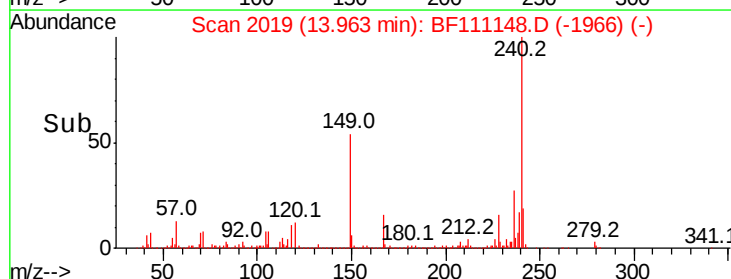


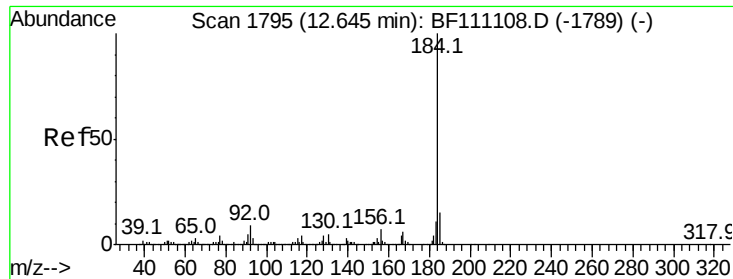
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 17.601 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

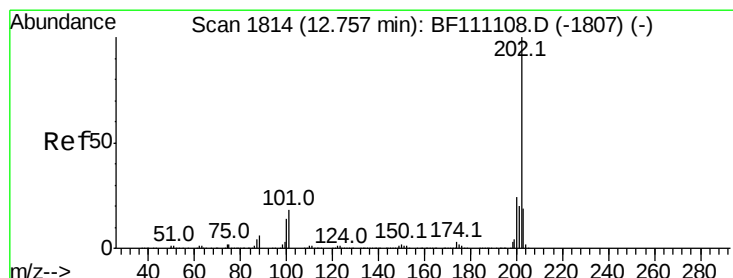
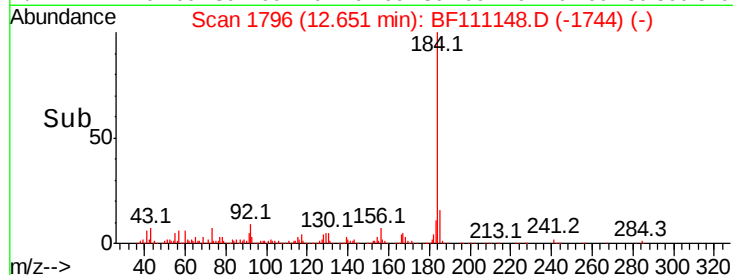
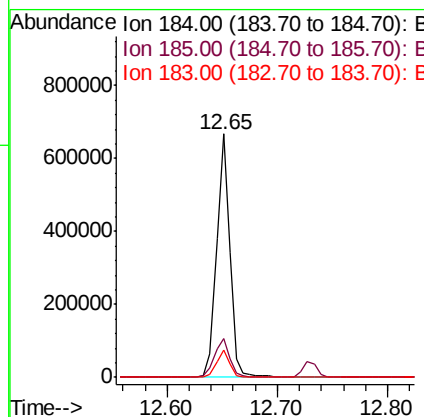
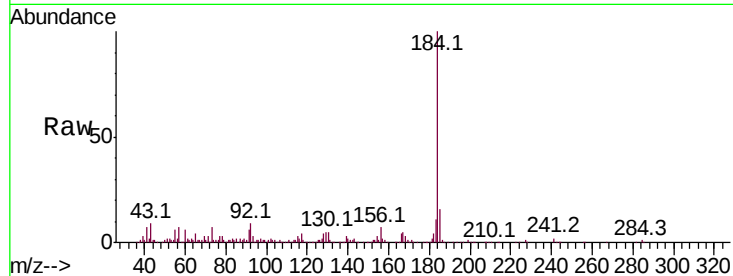
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:	184	Resp:	549143
Ion Ratio	Lower	Upper	
184	100		
185	15.8	12.0	18.0
183	11.4	8.9	13.3

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#78

Pyrene

Concen: 49.695 ng

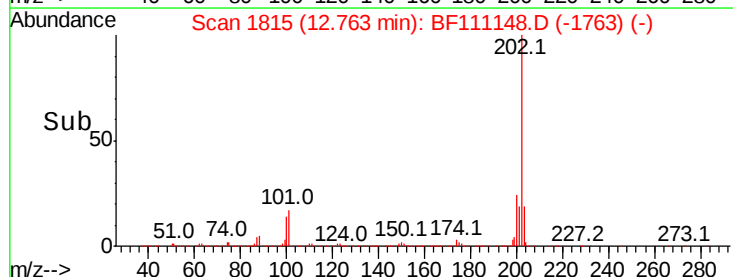
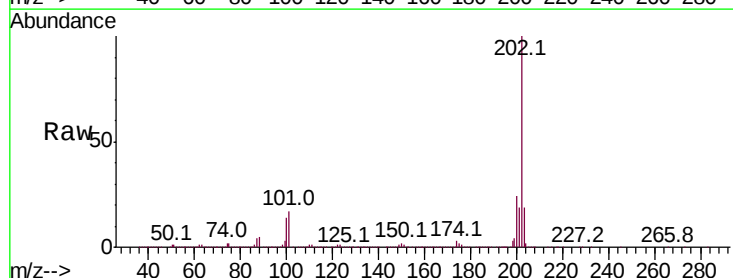
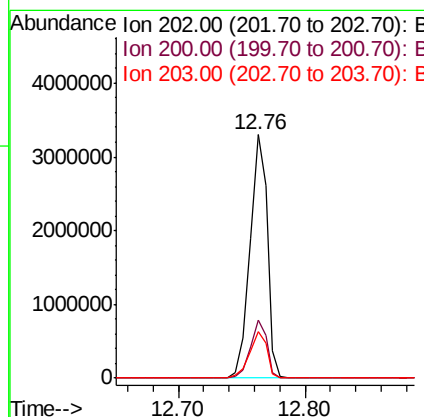
RT: 12.76 min Scan# 1815

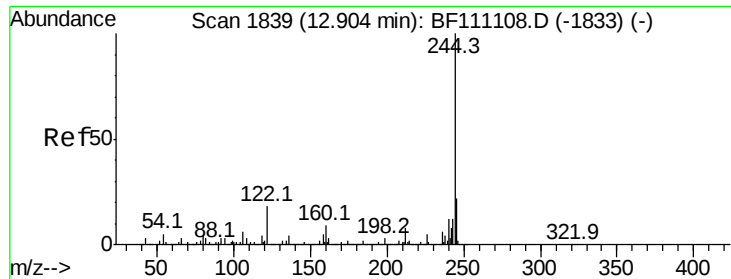
Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tgt Ion:	202	Resp:	3109472
Ion Ratio	Lower	Upper	
202	100		
200	23.7	19.3	28.9
203	19.2	15.4	23.2





#79
 Terphenyl-d14
 Concen: 96.260 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

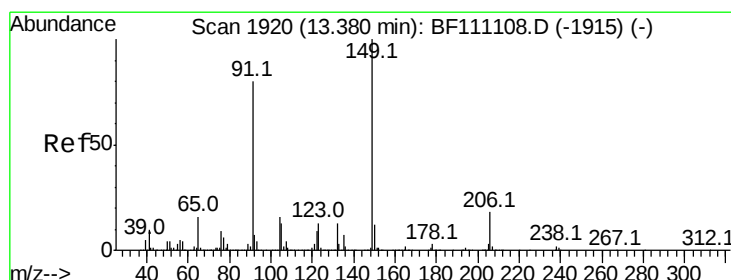
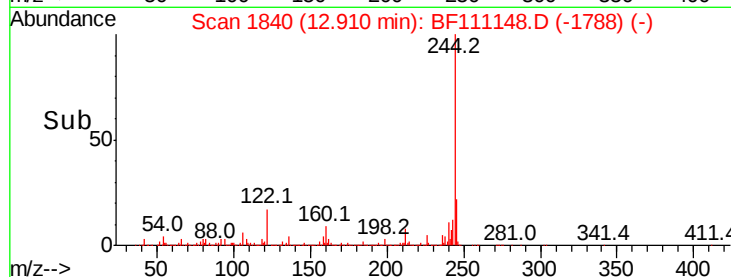
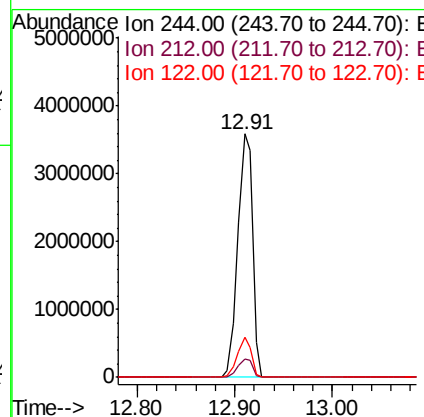
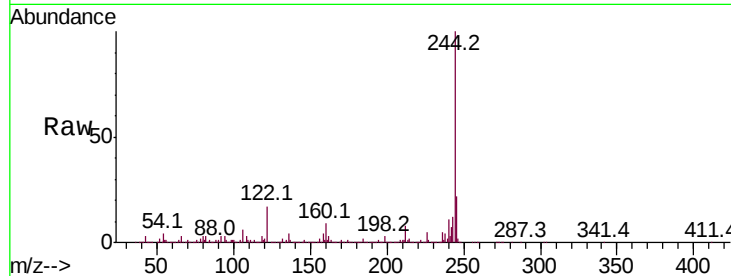
Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion:244 Resp: 3774993

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	9.8
122	16.7	14.2	21.2

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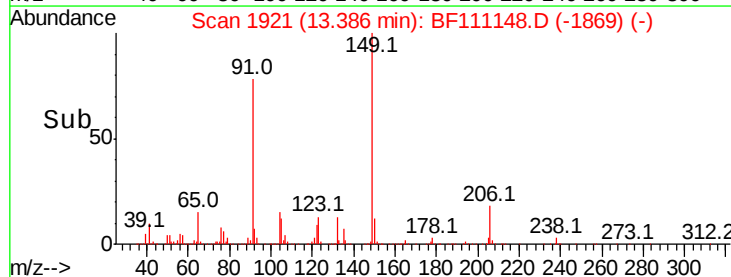
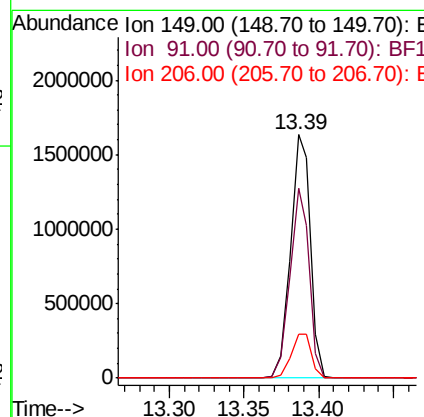
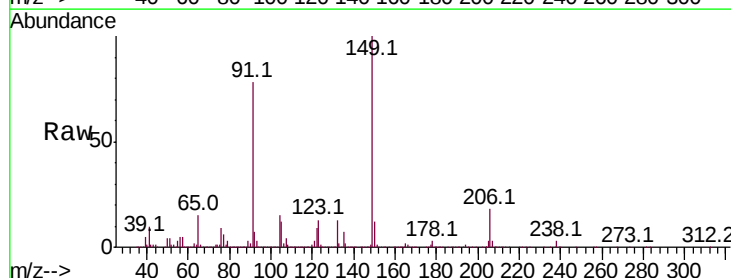
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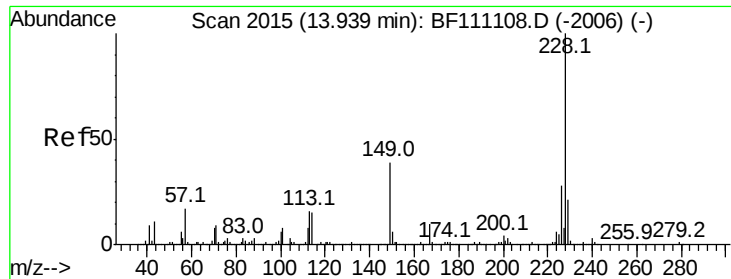


#80
 Butylbenzylphthalate
 Concen: 51.029 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion:149 Resp: 1542476

Ion	Ratio	Lower	Upper
149	100		
91	77.9	64.0	96.0
206	18.0	14.1	21.1





#81

Benzo(a)anthracene

Concen: 47.717 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:228 Resp: 2245380

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

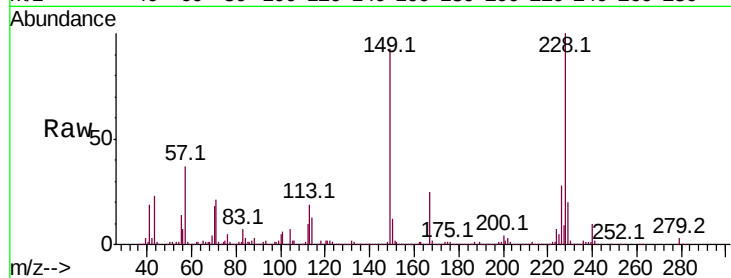
229 20.3 16.7 25.1

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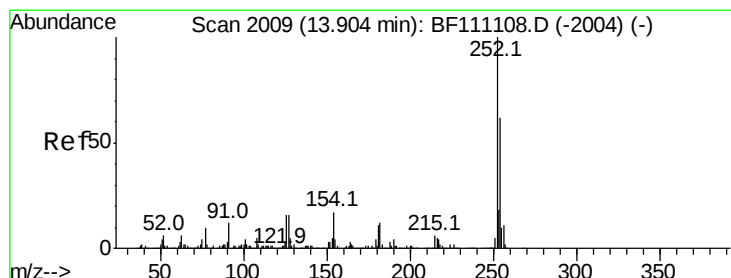
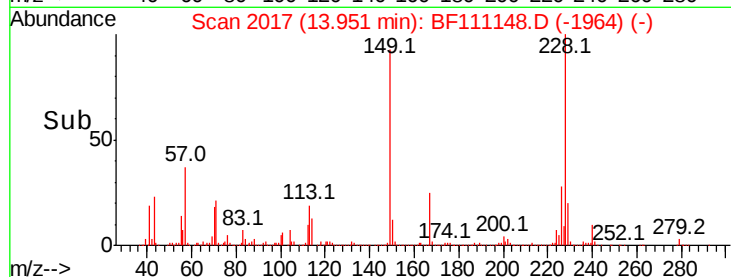
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#82

3,3'-Dichlorobenzidine

Concen: 22.357 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

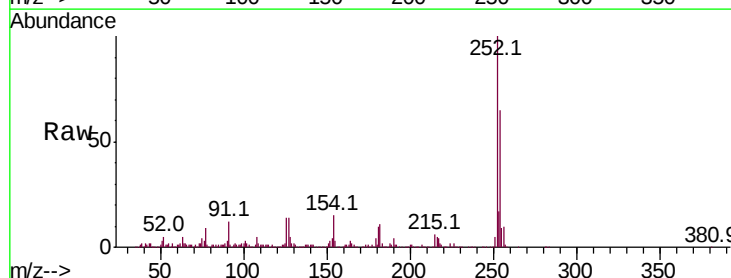
Tgt Ion:252 Resp: 397020

Ion Ratio Lower Upper

252 100

254 64.8 49.8 74.8

126 14.5 12.9 19.3



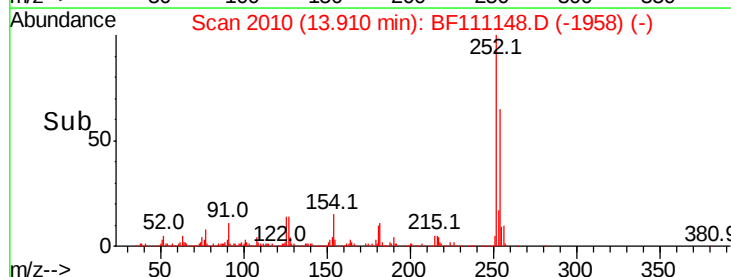
Abundance

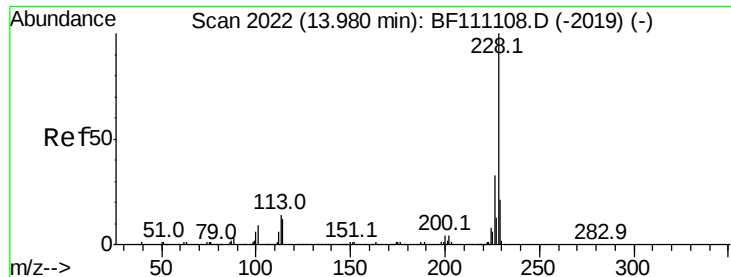
Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

Time-->





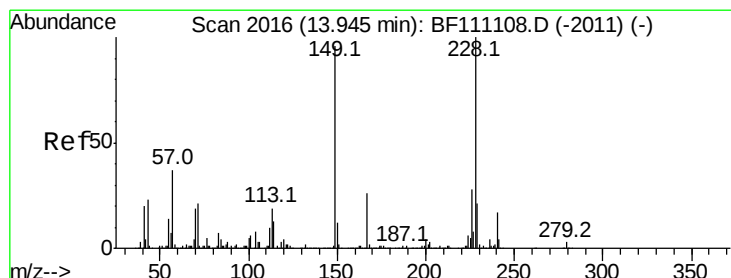
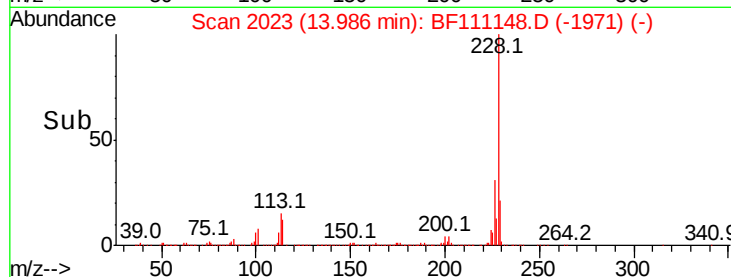
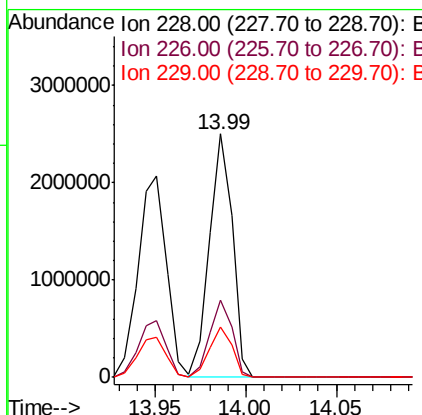
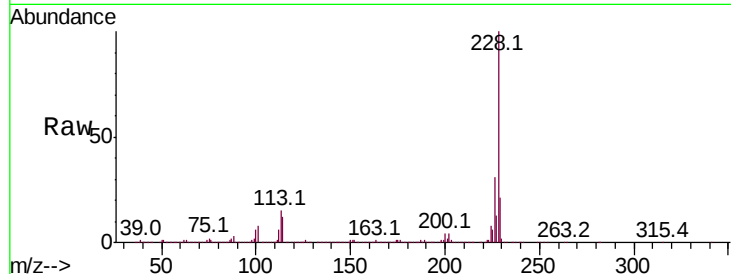
#83
 Chrysene
 Concen: 47.044 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 HLSP-SB-5B-(2-8.75)MSD

Tot Ion:228 Resp: 2197666
 Ion Ratio Lower Upper
 228 100
 226 31.5 26.2 39.2
 229 20.7 16.9 25.3

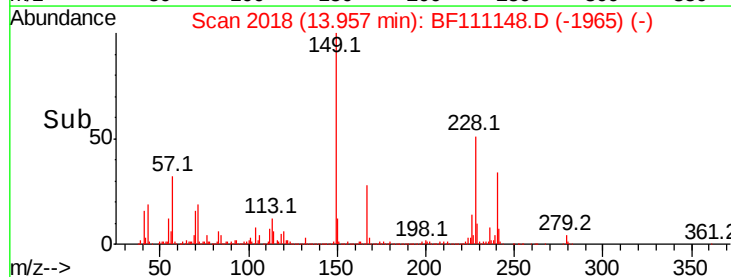
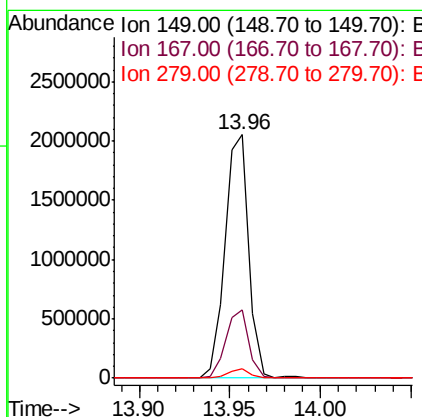
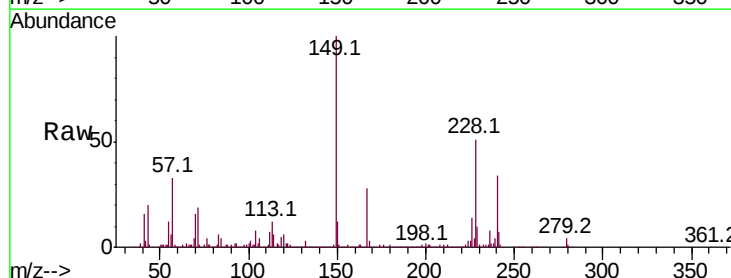
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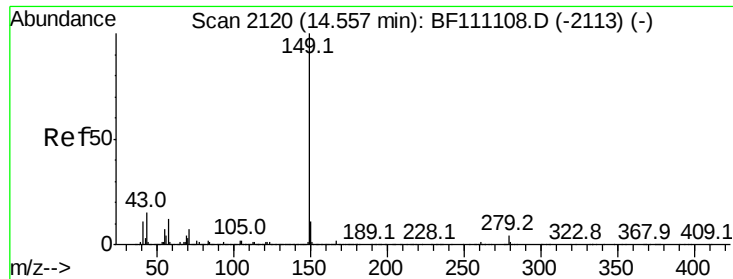
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.128 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF111148.D
 Acq: 6 Dec 2018 19:55

Tgt Ion:149 Resp: 1866746
 Ion Ratio Lower Upper
 149 100
 167 28.1 21.6 32.4
 279 3.8 2.3 3.5#





#85

Di-n-octyl phthalate

Concen: 54.235 ng

RT: 14.57 min Scan# 2122

Delta R.T. 0.01 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

Tot Ion:149 Resp: 3112897

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

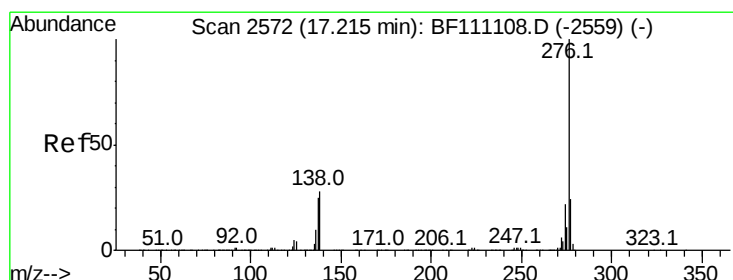
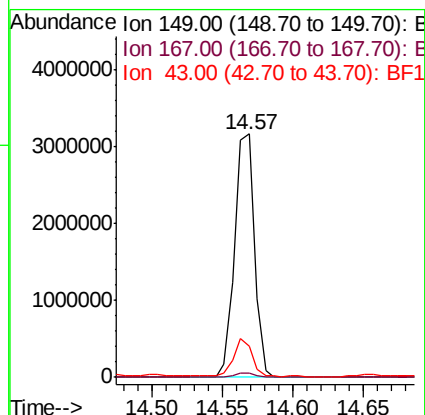
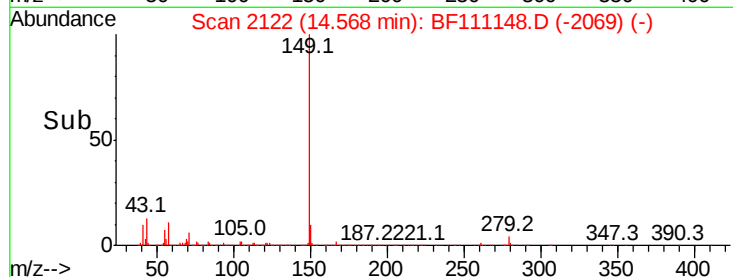
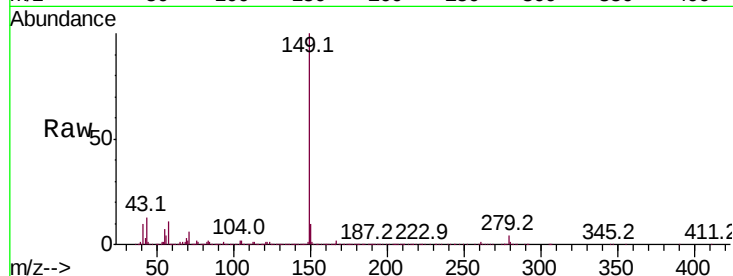
43 13.9 11.9 17.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 71.143 ng

RT: 16.82 min Scan# 2504

Delta R.T. 0.03 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

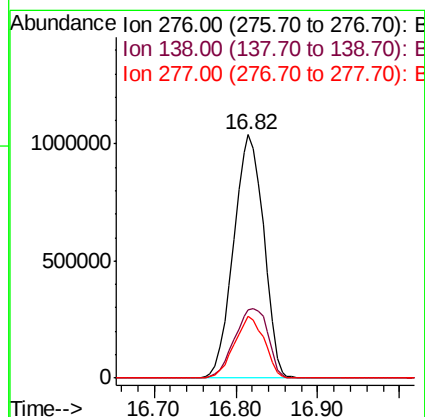
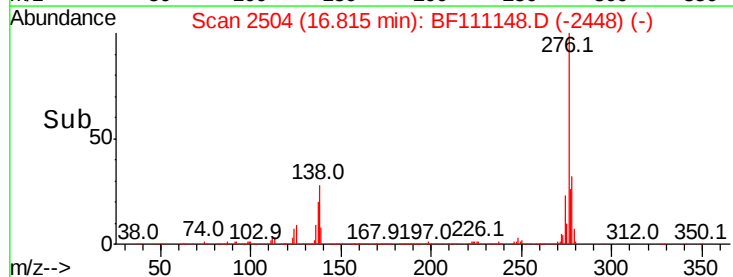
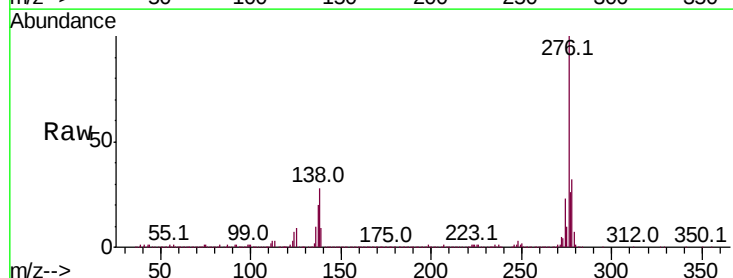
Tgt Ion:276 Resp: 2668402

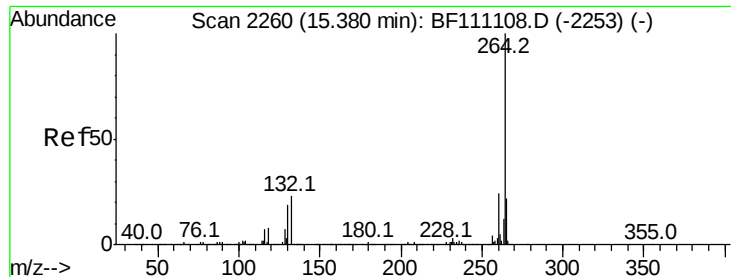
Ion Ratio Lower Upper

276 100

138 31.7 20.2 30.4#

277 25.2 15.8 23.6#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.02 min

Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Instrument :

BNA_F

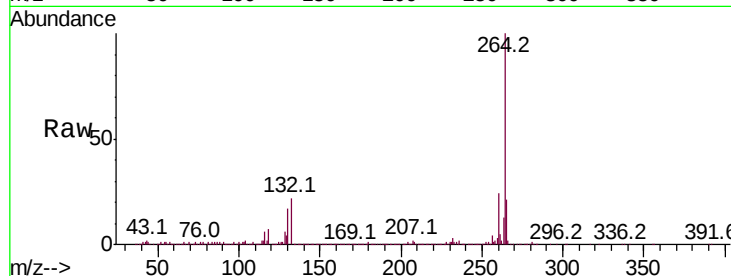
ClientSampleId :

HLSP-SB-5B-(2-8.75)MSD

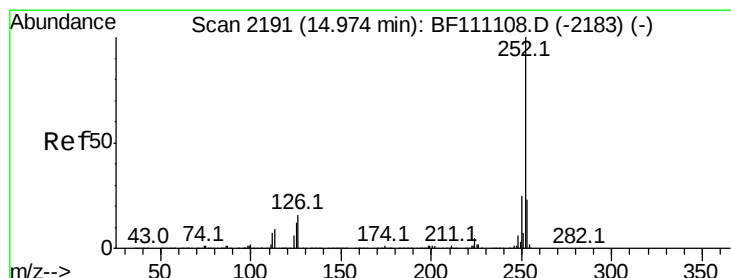
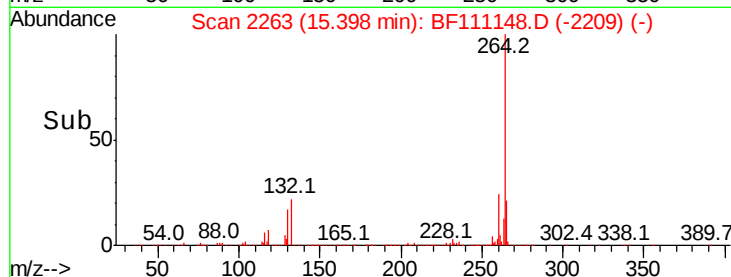
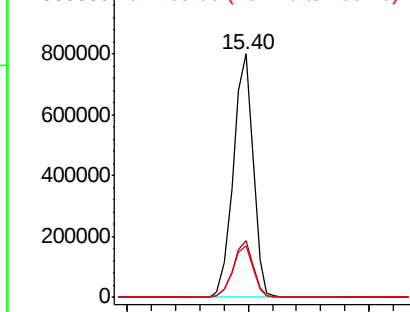
Tot Ion:	264	Resp:	921908
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.4	29.0
265	21.3	17.4	26.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.432 ng

RT: 14.99 min Scan# 2193

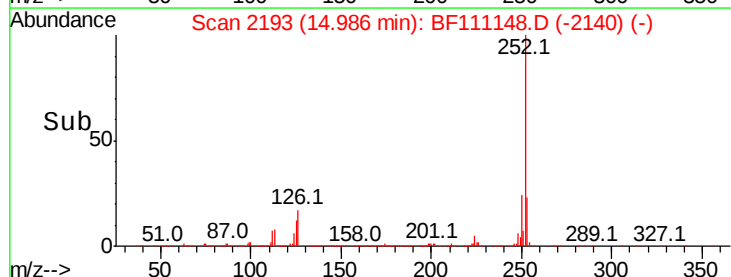
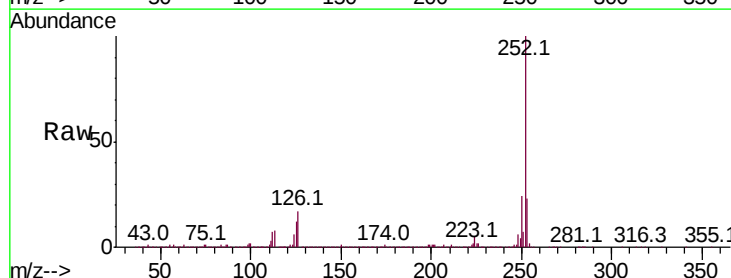
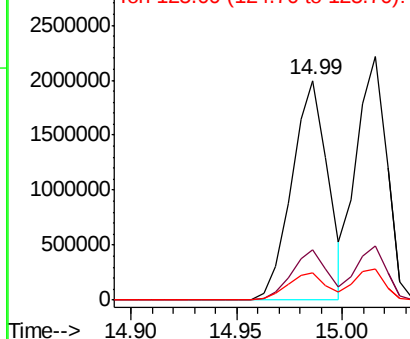
Delta R.T. 0.01 min

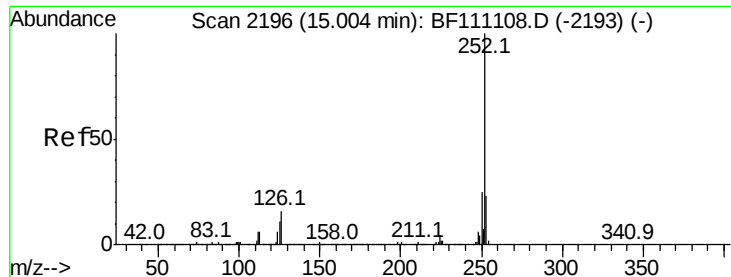
Lab File: BF111148.D

Acq: 6 Dec 2018 19:55

Tgt Ion:	252	Resp:	2373319
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.5	27.7
125	12.3	9.9	14.9

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





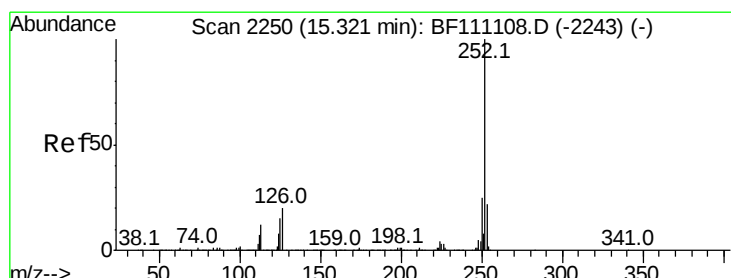
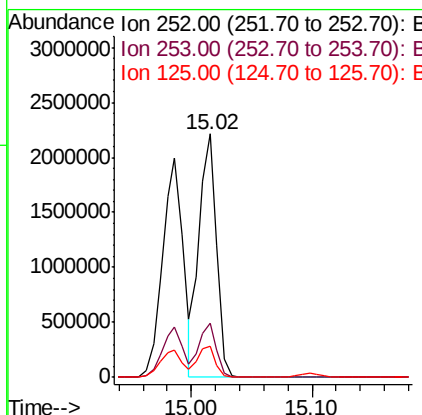
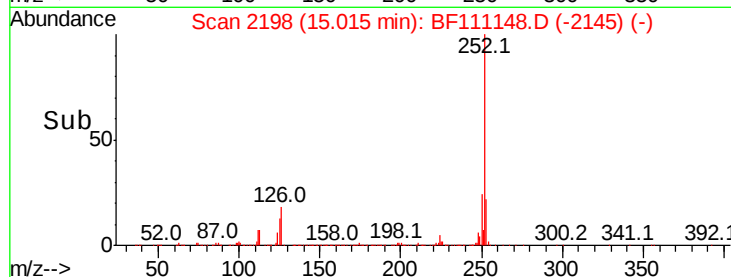
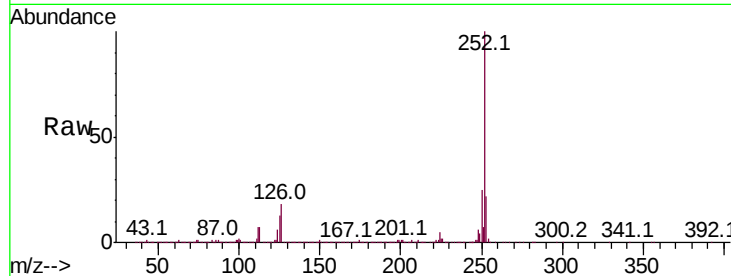
#89
Benzo(k)fluoranthene
Concen: 44.311 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.9	9.9	14.9

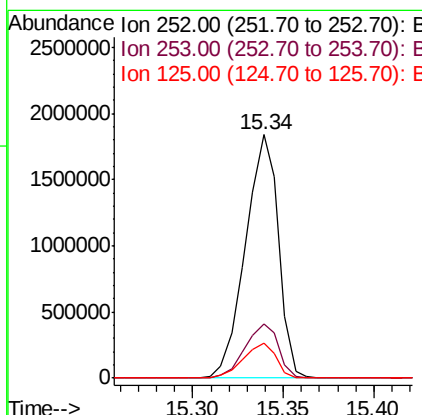
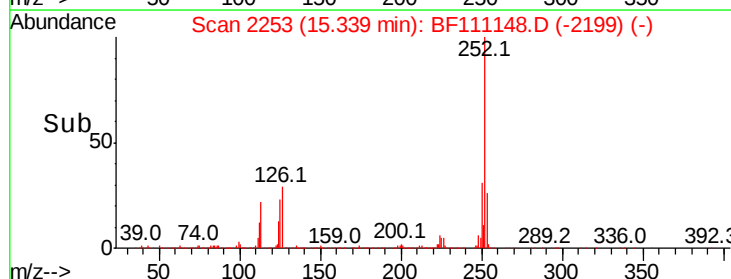
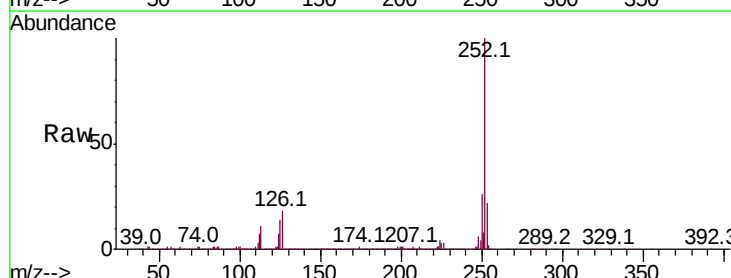
Manual Integrations
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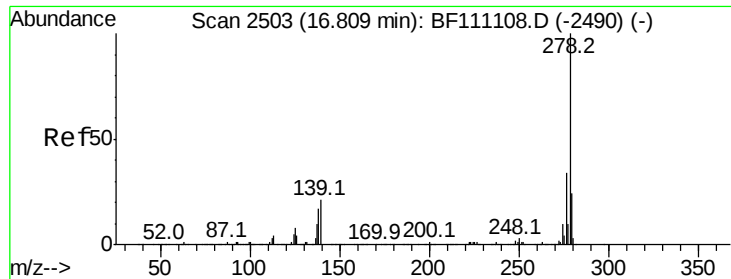
mohammad
12/10/2018 12:19:07 PM



#90
Benzo(a)pyrene
Concen: 48.566 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	14.2	12.4	18.6





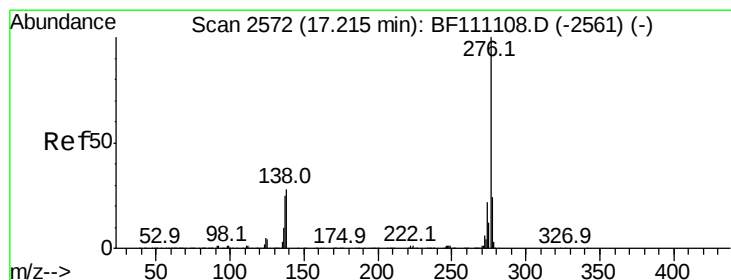
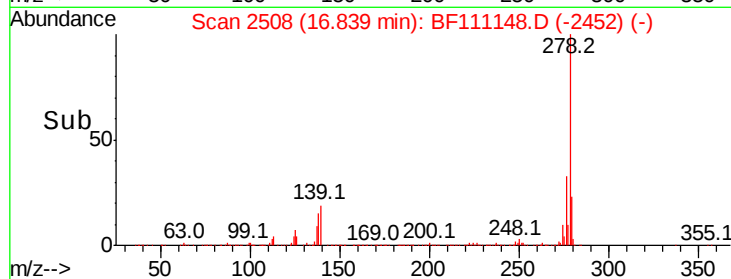
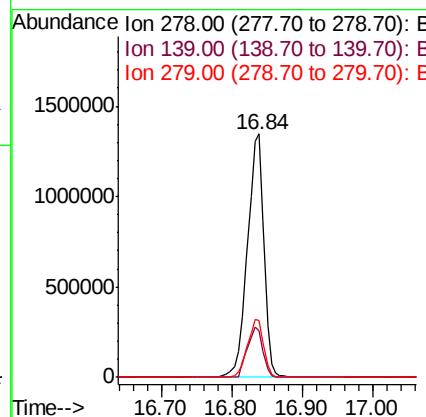
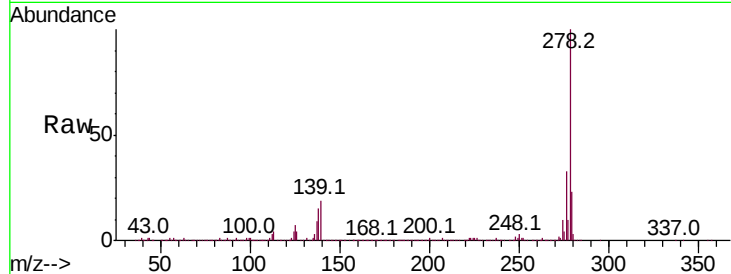
#91
Dibenzo(a,h)anthracene
Concen: 54.552 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.03 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Instrument :
BNA_F
ClientSampleId :
HLSP-SB-5B-(2-8.75)MSD

Tot Ion:278 Resp: 2193554
Ion Ratio Lower Upper
278 100
139 19.3 16.6 25.0
279 23.3 18.8 28.2

Manual Integrations
APPROVED

mohammad
12/10/2018 12:19:07 PM



#92
Benzo(g,h,i)perylene
Concen: 53.689 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.03 min
Lab File: BF111148.D
Acq: 6 Dec 2018 19:55

Tgt Ion:276 Resp: 2169464
Ion Ratio Lower Upper
276 100
277 23.7 19.3 28.9
138 28.0 22.3 33.5

