

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111147.D
 Acq On : 6 Dec 2018 19:27
 Operator : JU/SJ
 Sample : J6206-05MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:04 PM

Quant Time: Dec 07 11:43:06 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	6.80	152	503077	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2009162	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	966825	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1684018	20.00	ng	0.00
76) Chrysene-d12	13.96	240	850603	20.00	ng	0.01
87) Perylene-d12	15.40	264	940258	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	3952362	122.60	ng	0.02
7) Phenol-d6	6.45	99	5138311	123.73	ng	0.01
23) Nitrobenzene-d5	7.37	82	3337991	98.36	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	1097478	142.80	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	5115221	100.57	ng	0.00
79) Terphenyl-d14	12.92	244	4132449	99.50	ng	0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	2.59	88	549198	29.616 ng	98
3) Pyridine	3.33	79	1459282	35.482 ng	96
4) n-Nitrosodimethylamine	3.26	42	931975	46.024 ng	98
6) Aniline	6.47	93	780917	14.074 ng	98
8) 2-Chlorophenol	6.59	128	1566633	42.160 ng	93
9) Benzaldehyde	6.35	77	816858	35.455 ng	100
10) Phenol	6.46	94	2111180m	46.622 ng	
11) bis(2-Chloroethyl)ether	6.55	93	1504034	40.639 ng	99
12) 1,3-Dichlorobenzene	6.75	146	1603914	40.585 ng	96
13) 1,4-Dichlorobenzene	6.83	146	1631331	41.019 ng	96
14) 1,2-Dichlorobenzene	6.98	146	1520384	41.097 ng	98
15) Benzyl Alcohol	6.95	79	1425754	43.329 ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	2954665	41.041 ng	100
17) 2-Methylphenol	7.06	107	1338078	43.867 ng	99
18) Hexachloroethane	7.32	117	628050	42.097 ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	1142093	40.922 ng	95
20) 3+4-Methylphenols	7.22	107	1559827	41.927 ng	93
22) Acetophenone	7.22	105	2090564	43.057 ng	# 89
24) Nitrobenzene	7.39	77	1661776	45.516 ng	98
25) Isophorone	7.63	82	3050832	48.985 ng	100
26) 2-Nitrophenol	7.70	139	821828	53.274 ng	95
27) 2,4-Dimethylphenol	7.75	122	1450580	49.929 ng	100
28) bis(2-Chloroethoxy)methane	7.84	93	1927095	45.706 ng	99
29) 2,4-Dichlorophenol	7.95	162	1291211	45.144 ng	97
30) 1,2,4-Trichlorobenzene	8.03	180	1258624	43.597 ng	98
31) Naphthalene	8.11	128	4217884	48.217 ng	100
32) Benzoic acid	7.86	122	845475	44.131 ng	99
33) 4-Chloroaniline	8.15	127	202123	4.780 ng	96
34) Hexachlorobutadiene	8.23	225	683356	43.557 ng	98
35) Caprolactam	8.53	113	454670m	43.295 ng	
36) 4-Chloro-3-methylphenol	8.64	107	1437774	45.893 ng	98
37) 2-Methylnaphthalene	8.80	142	2912833	48.273 ng	99
38) 1-Methylnaphthalene	8.90	142	2793517	48.154 ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	1046742	40.622 ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	1242307	91.433	nq	99
43) 2,4,6-Trichlorophenol	9.08	196	881930	46.862	nq	99
44) 2,4,5-Trichlorophenol	9.12	196	903030	47.334	nq	96
46) 1,1'-Biphenyl	9.27	154	3241710	40.958	nq	99
47) 2-Chloronaphthalene	9.29	162	2642520	42.967	nq	98
48) 2-Nitroaniline	9.38	65	941583	47.242	nq	99
49) Acenaphthylene	9.70	152	4071726	47.364	nq	99
50) Dimethylphthalate	9.57	163	3477636	51.683	nq	99
51) 2,6-Dinitrotoluene	9.63	165	728099	51.038	nq	98
52) Acenaphthene	9.88	154	2698855	47.520	nq	99
53) 3-Nitroaniline	9.79	138	224379	12.521	nq	93
54) 2,4-Dinitrophenol	9.90	184	493254	106.719	nq	# 66
55) Dibenzofuran	10.05	168	3601361	46.038	nq	99
56) 4-Nitrophenol	9.95	139	1241294	91.923	nq	98
57) 2,4-Dinitrotoluene	10.03	165	989389	53.699	nq	94
58) Fluorene	10.39	166	2715551	49.228	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	731445m	51.370	nq	
60) Diethylphthalate	10.27	149	3106713	46.201	nq	98
61) 4-Chlorophenyl-phenylether	10.39	204	1237612	45.525	nq	98
62) 4-Nitroaniline	10.41	138	738106	45.638	nq	93
63) Azobenzene	10.55	77	3147586	43.966	nq	98
65) 4,6-Dinitro-2-methylphenol	10.43	198	369369	53.091	nq	95
66) n-Nitrosodiphenylamine	10.50	169	2550810	43.259	nq	99
67) 4-Bromophenyl-phenylether	10.87	248	784908	44.031	nq	96
68) Hexachlorobenzene	10.95	284	810384	44.459	nq	97
69) Atrazine	11.03	200	785283	Below Cal		98
70) Pentachlorophenol	11.13	266	895143	74.677	nq	99
71) Phenanthrene	11.35	178	3789114	46.777	nq	99
72) Anthracene	11.40	178	3805700	46.609	nq	98
73) Carbazole	11.55	167	3507487	41.283	nq	99
74) Di-n-butylphthalate	11.89	149	4429543	44.538	nq	98
75) Fluoranthene	12.54	202	3502903	44.192	nq	97
77) Benzidine	12.65	184	556195	16.638	nq	99
78) Pyrene	12.76	202	3413630	51.512	nq	100
80) Butylbenzylphthalate	13.39	149	1667413	52.085	nq	99
81) Benzo(a)anthracene	13.95	228	2359343	47.341	nq	100
82) 3,3'-Dichlorobenzidine	13.91	252	372221	19.791	nq	99
83) Chrysene	13.99	228	2321920	46.931	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	2028359	52.455	nq	# 97
85) Di-n-octyl phthalate	14.56	149	3245303	53.387	nq	98
86) Indeno(1,2,3-cd)pyrene	16.82	276	2704010	68.071	nq	# 87
88) Benzo(b)fluoranthene	14.99	252	2438766	45.773	nq	98
89) Benzo(k)fluoranthene	15.02	252	2234450	43.382	nq	99
90) Benzo(a)pyrene	15.34	252	2356807	48.226	nq	98
91) Dibenzo(a,h)anthracene	16.83	278	2243296	54.700	nq	98
92) Benzo(g,h,i)perylene	17.24	276	2238885	54.326	nq	99

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

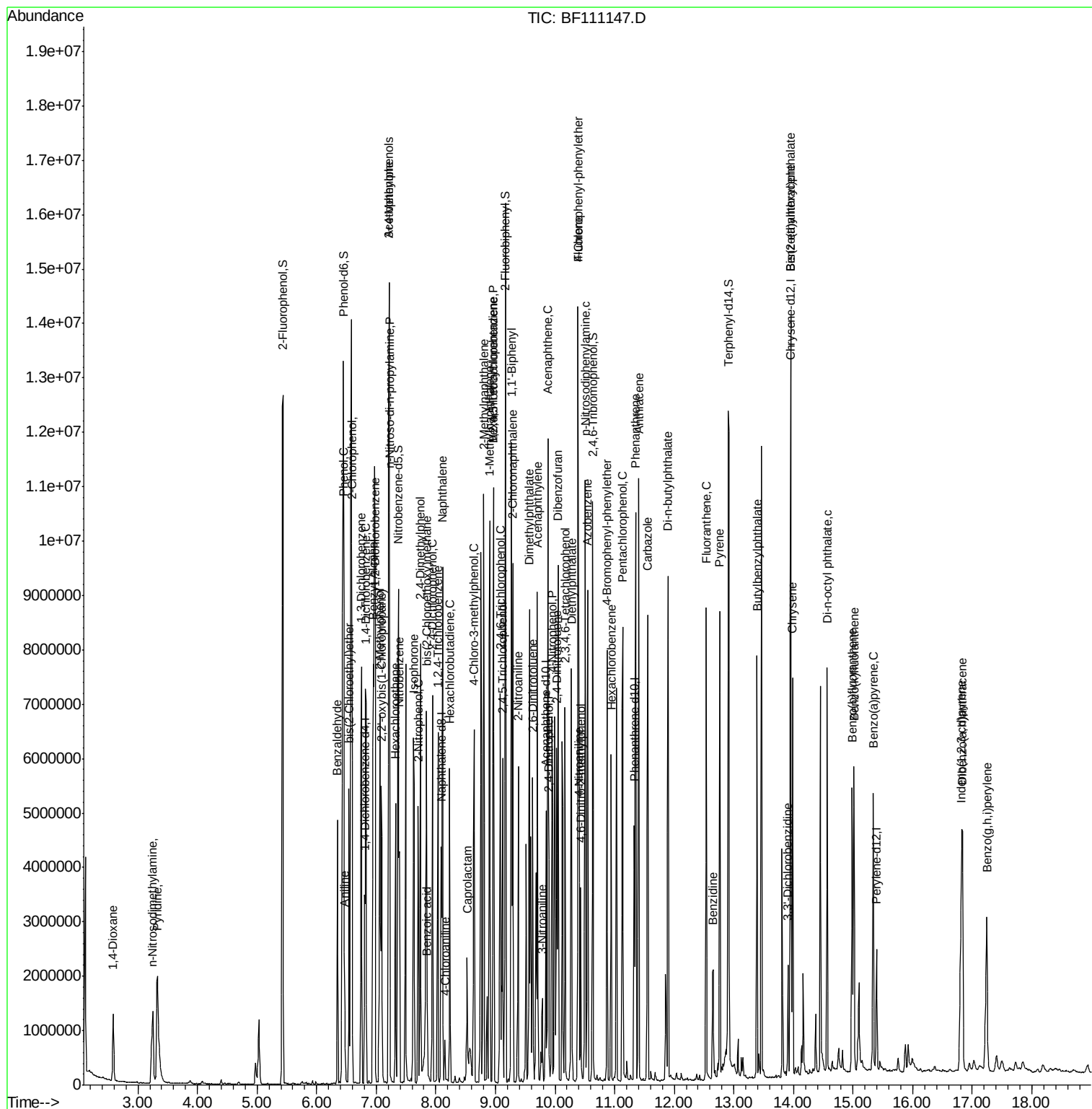
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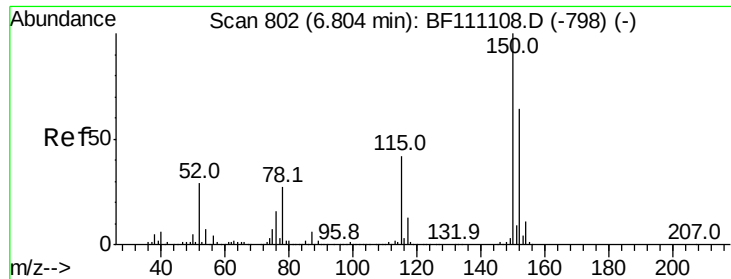
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#1

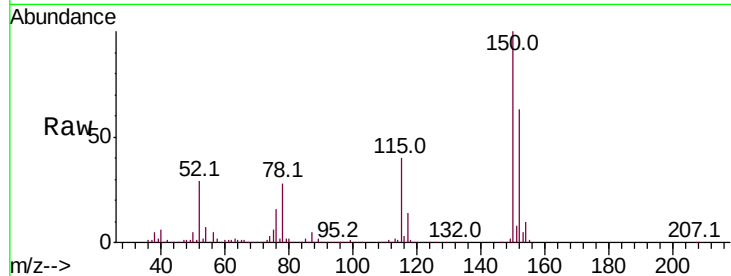
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	187.0
115	64.4	52.2	78.2

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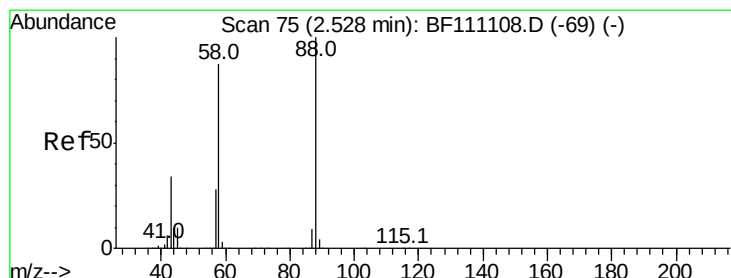
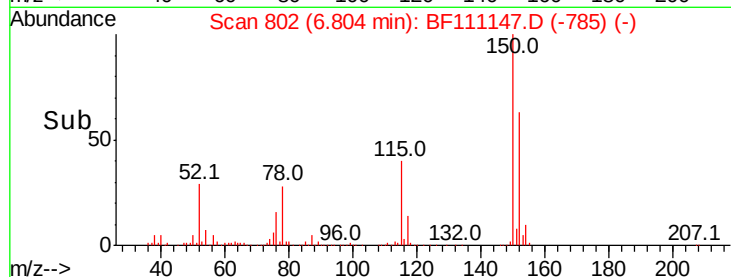
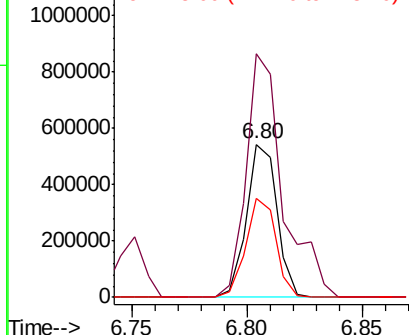


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

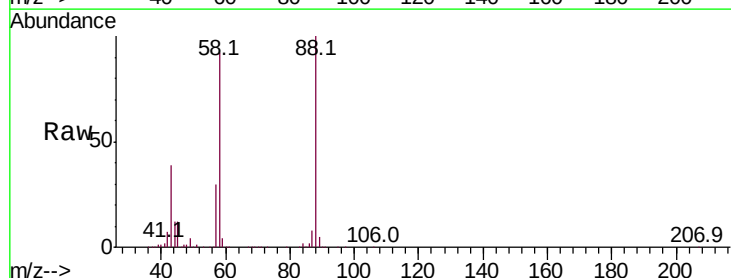
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 29.616 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.06 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.0	70.8	106.2
43	38.6	28.3	42.5

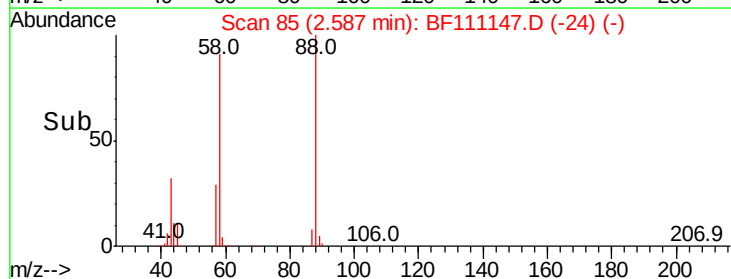
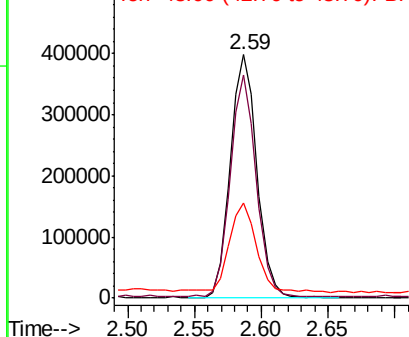


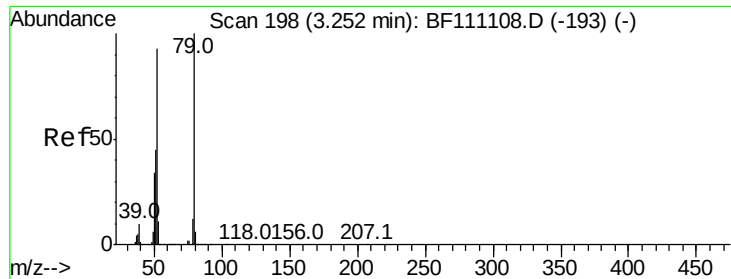
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





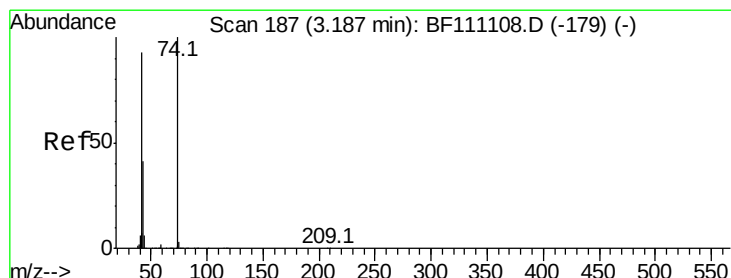
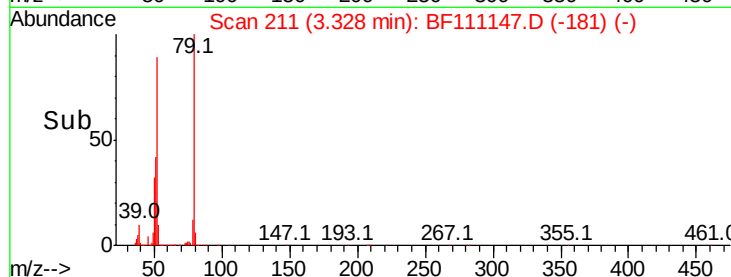
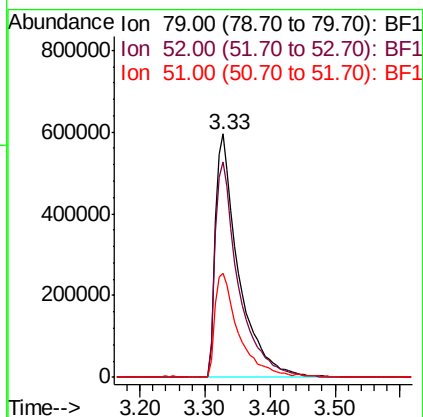
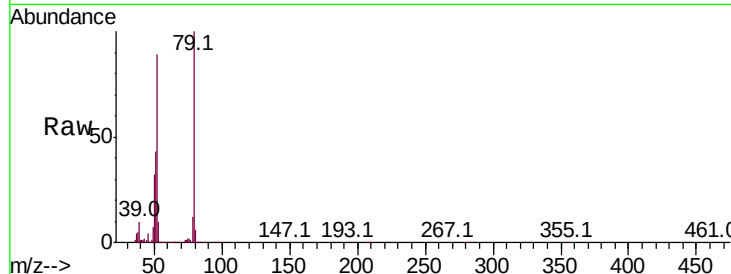
#3
Pvridine
Concen: 35.482 ng
RT: 3.33 min Scan# 211
Delta R.T. 0.08 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion: 79 Resp: 1459282
Ion Ratio Lower Upper
79 100
52 88.7 74.7 112.1
51 42.5 35.9 53.9

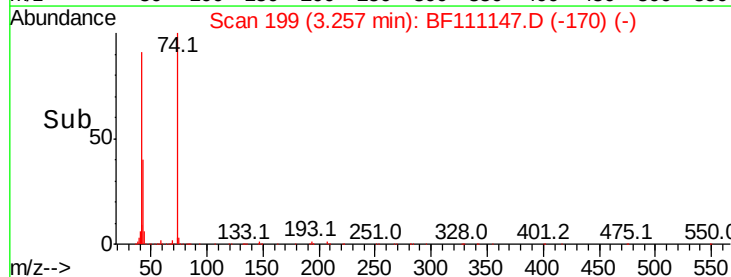
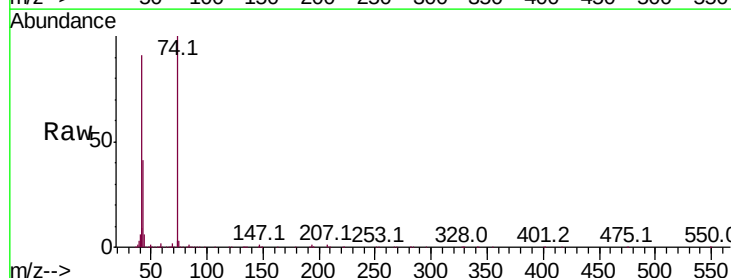
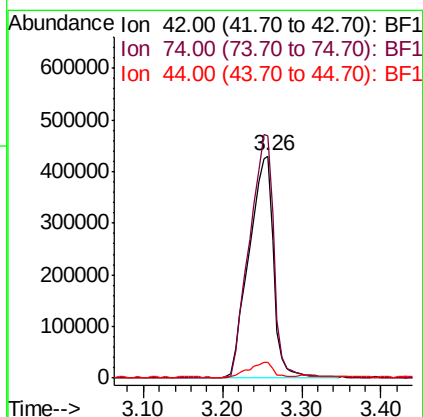
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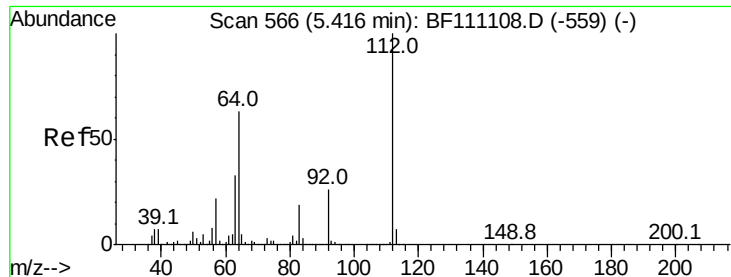
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#4
n-Nitrosodimethylamine
Concen: 46.024 ng
RT: 3.26 min Scan# 199
Delta R.T. 0.07 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 42 Resp: 931975
Ion Ratio Lower Upper
42 100
74 109.4 86.2 129.2
44 7.0 5.7 8.5





#5

2-Fluorophenol

Concen: 122.595 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

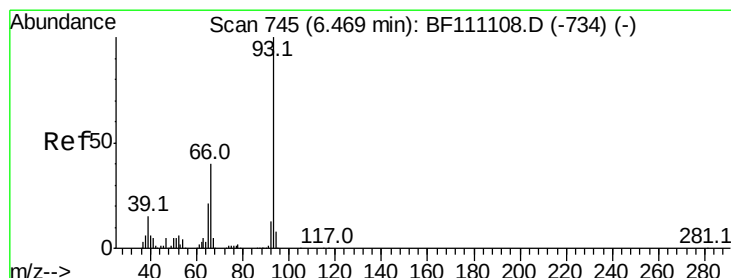
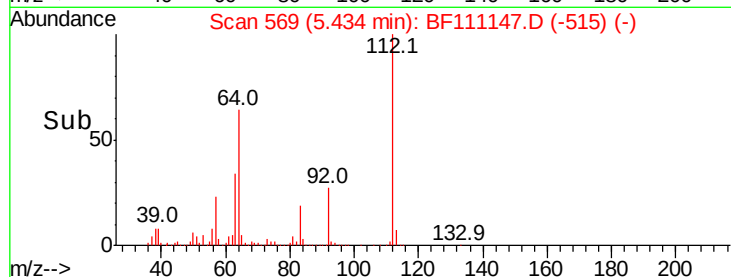
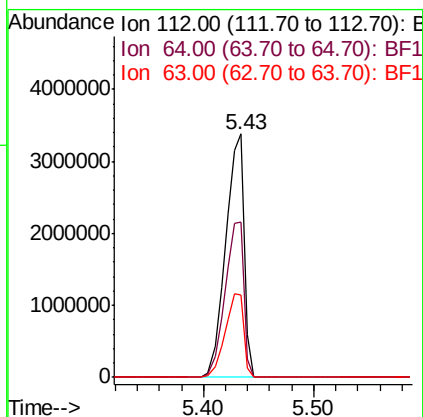
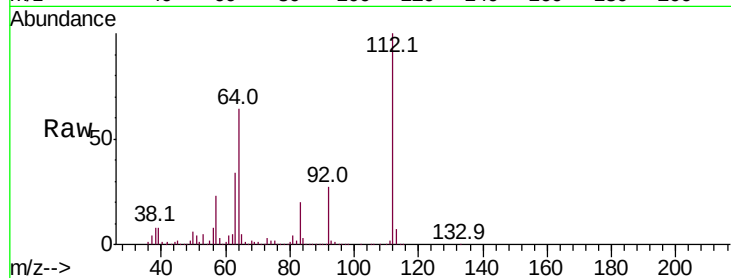
ClientSampleId :

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

Tot Ion:	112	Resp:	3952362
Ion	Ratio	Lower	Upper
112	100		
64	63.6	50.2	75.4
63	34.0	26.6	39.8

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12/10/2018 12:19:04 PM



#6

Aniline

Concen: 14.074 ng

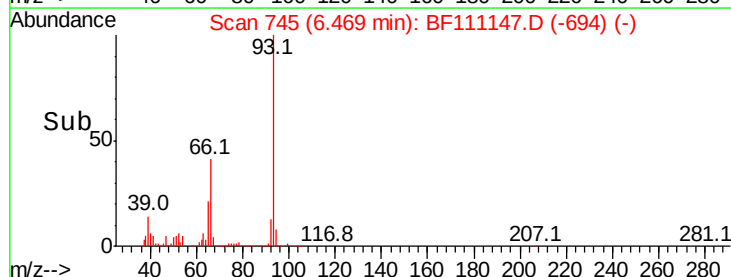
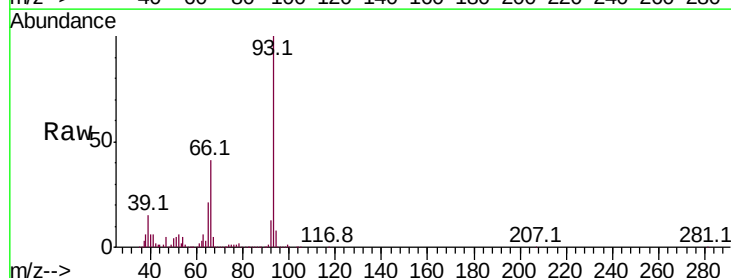
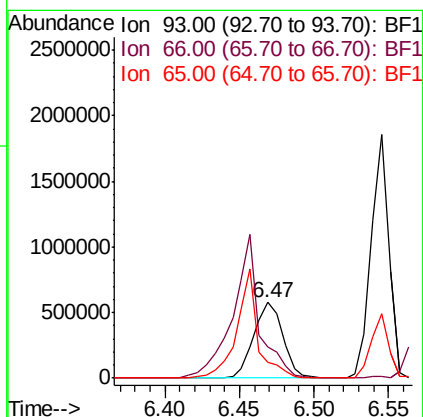
RT: 6.47 min Scan# 745

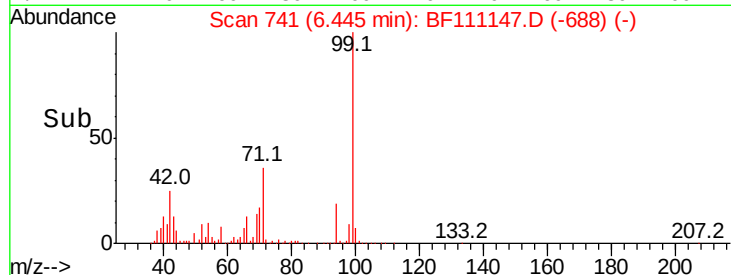
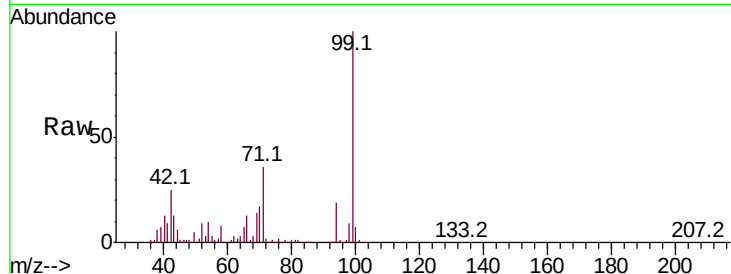
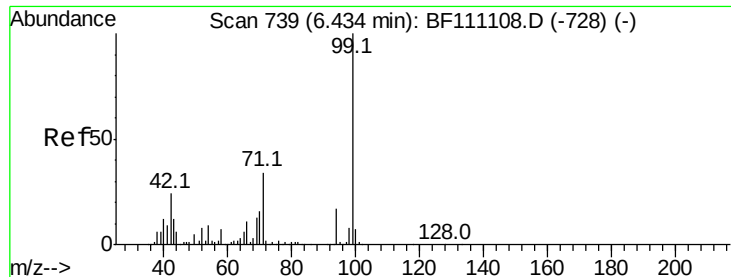
Delta R.T. 0.00 min

Lab File: BF111147.D

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Tgt Ion:	93	Resp:	780917
Ion	Ratio	Lower	Upper
93	100		
66	41.2	31.8	47.8
65	21.4	16.6	24.8





#7

Phenol-d6

Concen: 123.727 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tot Ion: 99 Resp: 5138311

Ion Ratio Lower Upper

99 100

42 25.2 19.3 28.9

71 36.5 27.4 41.2

Instrument :

BNA_F

ClientSampleId :

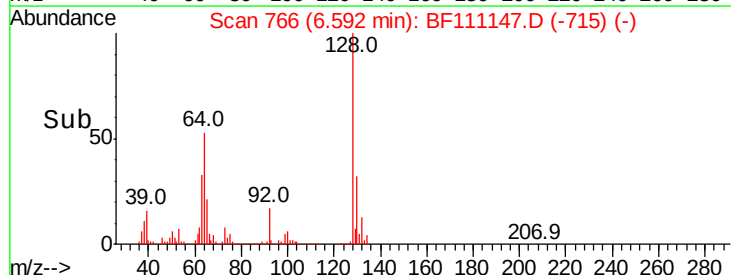
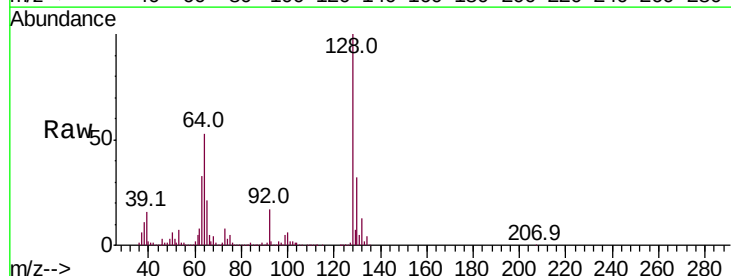
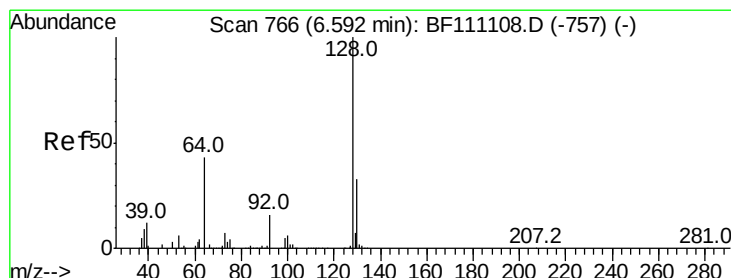
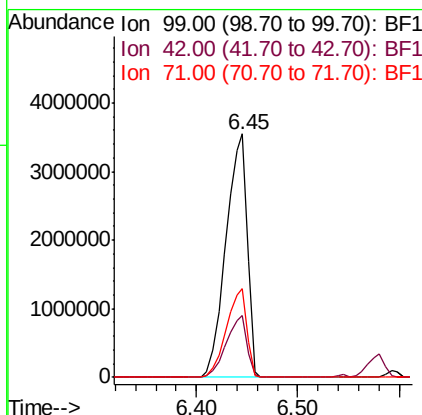
HLSP-SB-5B-(2-8.75)MS

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#8

2-Chlorophenol

Concen: 42.160 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

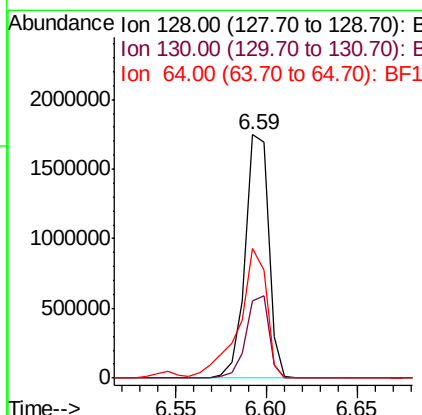
Tgt Ion:128 Resp: 1566633

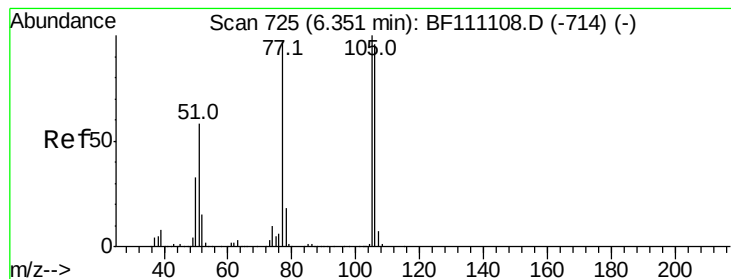
Ion Ratio Lower Upper

128 100

130 31.9 12.8 52.8

64 53.4 26.6 66.6





#9

Benzaldehyde

Concen: 35.455 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

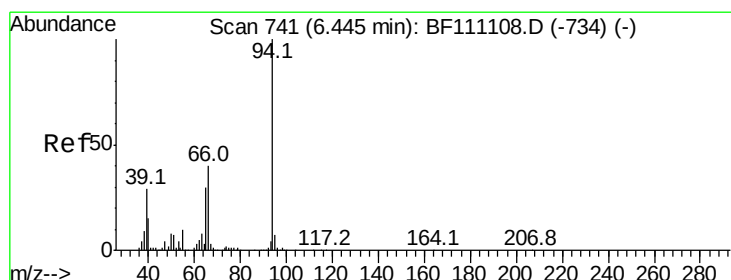
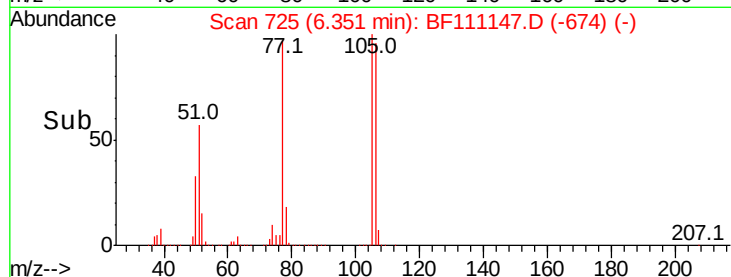
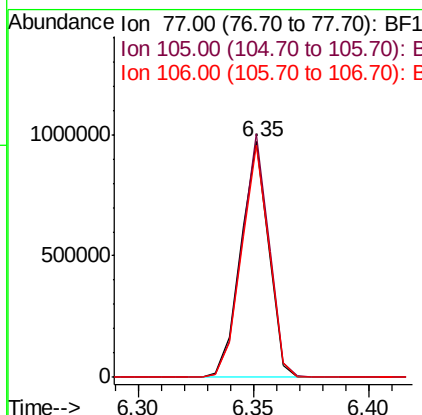
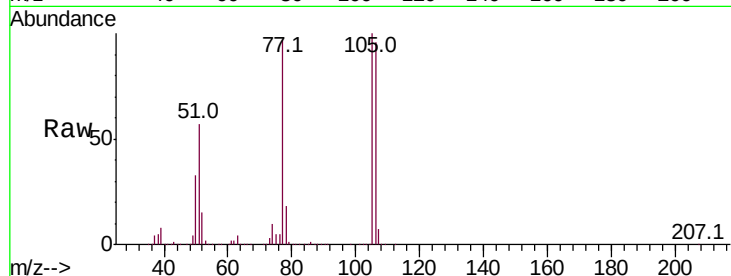
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HLSP-SB-5B-(2-8.75)MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	103.3	83.1	123.1
106	98.8	79.0	119.0

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#10

Phenol

Concen: 46.622 ng m

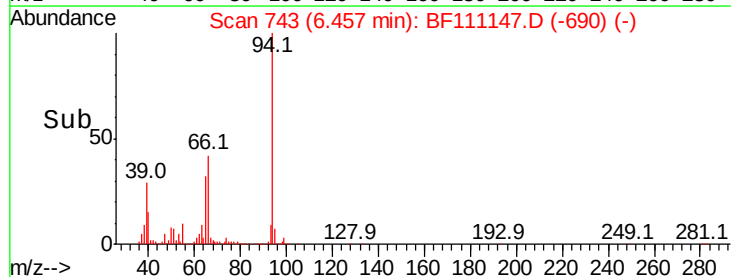
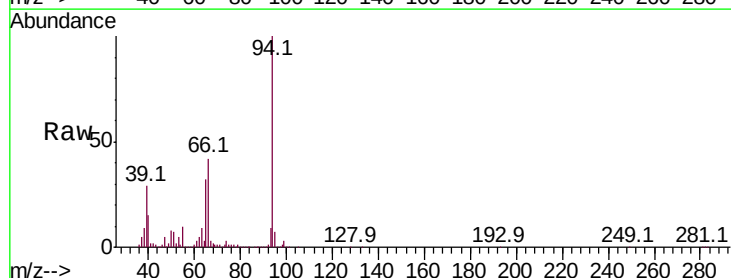
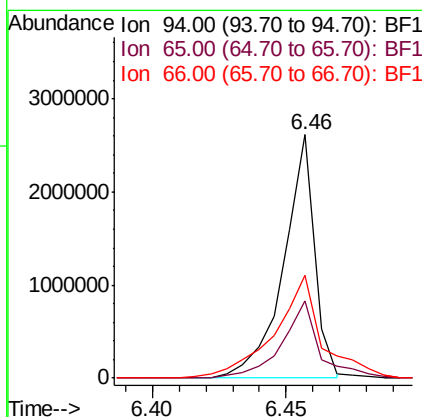
RT: 6.46 min Scan# 743

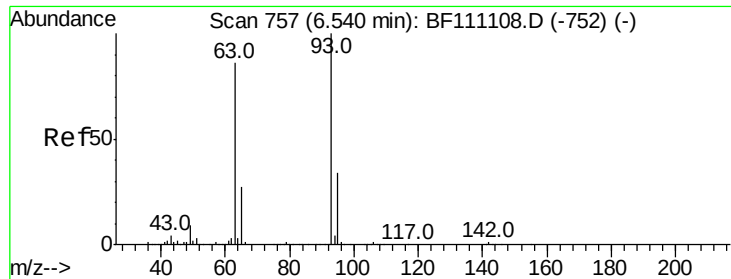
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.9	10.5	50.5
66	42.1	19.8	59.8





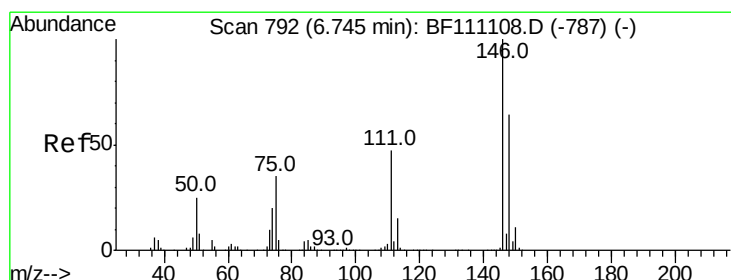
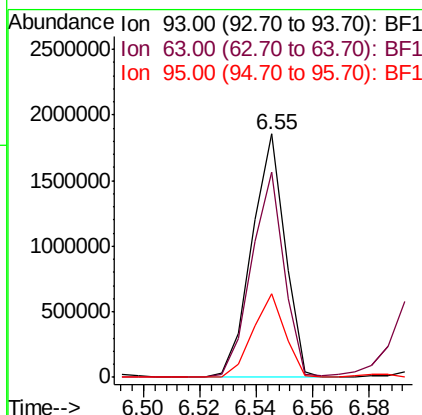
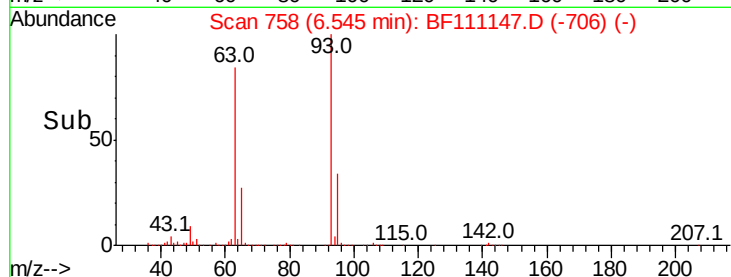
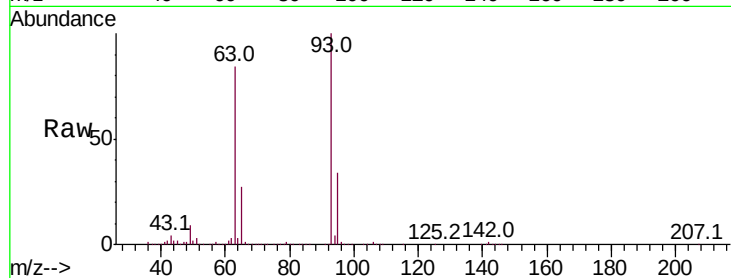
#11
bis(2-Chloroethyl)ether
Concen: 40.639 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion: 93 Resp: 1504034
Ion Ratio Lower Upper
93 100
63 84.4 66.0 106.0
95 34.1 14.3 54.3

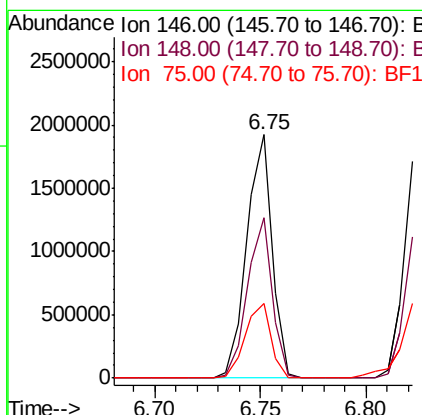
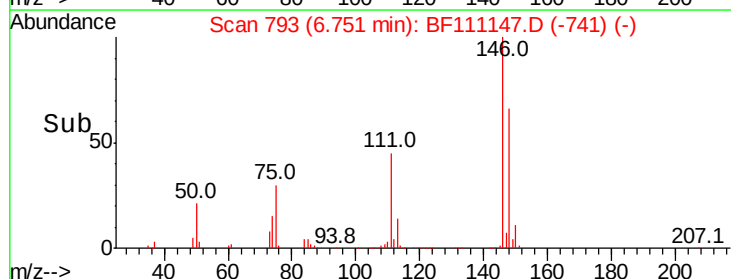
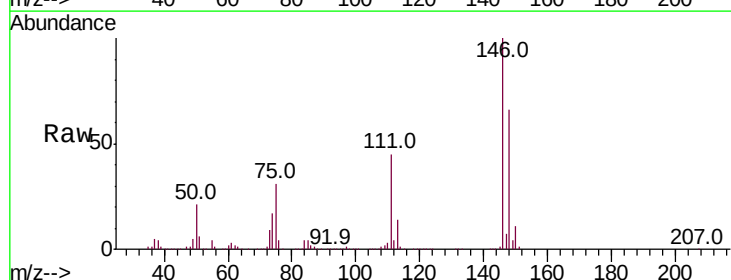
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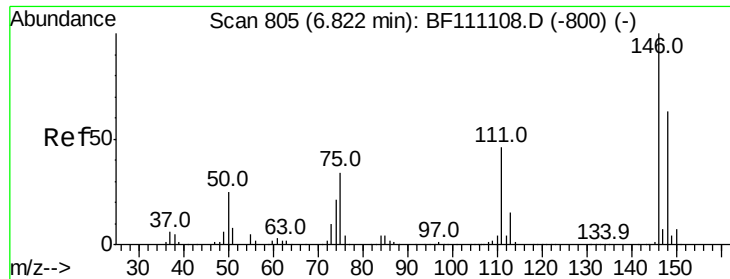
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#12
1,3-Dichlorobenzene
Concen: 40.585 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 146 Resp: 1603914
Ion Ratio Lower Upper
146 100
148 65.7 51.3 76.9
75 30.6 27.7 41.5





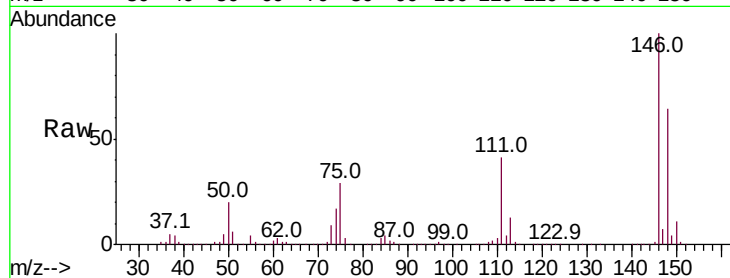
#13
1,4-Dichlorobenzene
Concen: 41.019 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	41.5	36.6	55.0

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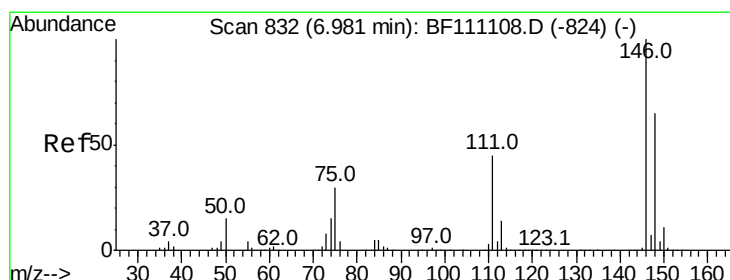
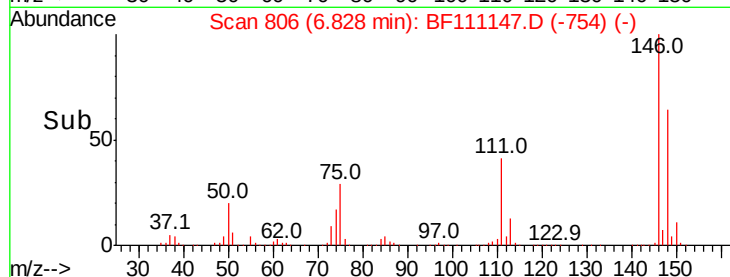
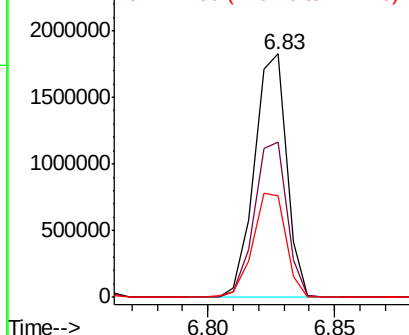


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 41.097 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

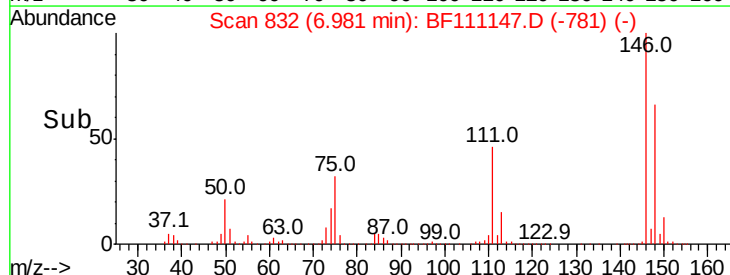
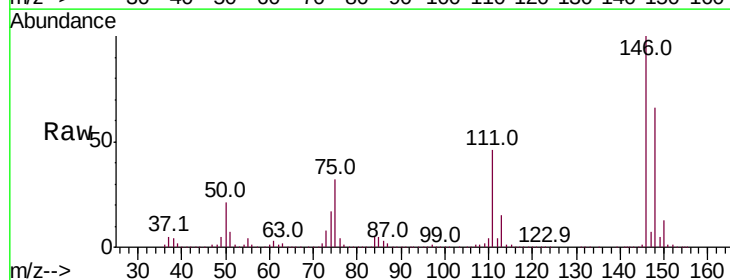
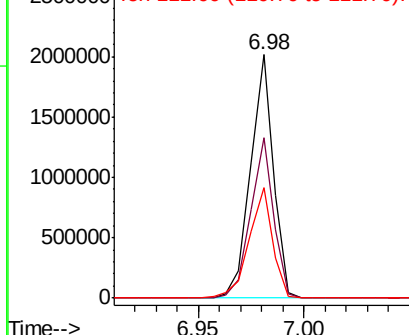
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.8	77.6
111	45.5	35.7	53.5

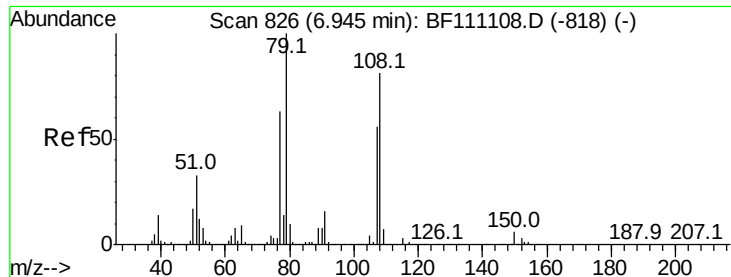
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.329 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion: 79 Resp: 1425754

Ion Ratio Lower Upper

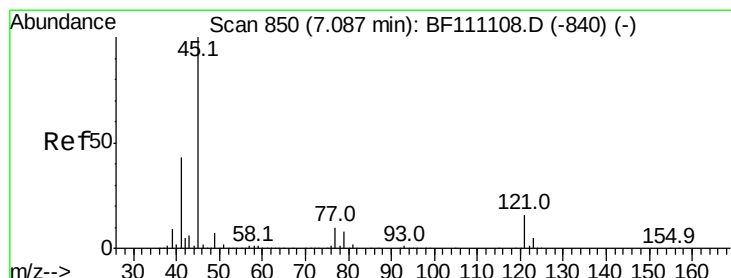
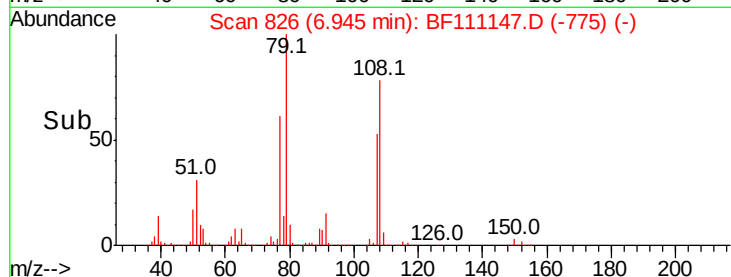
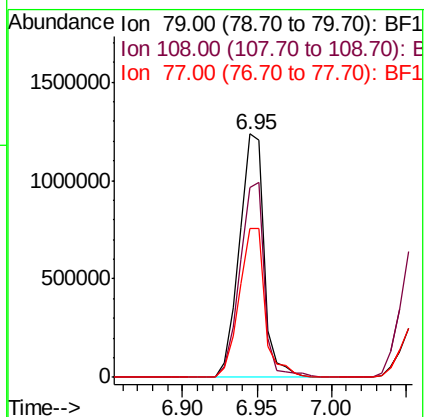
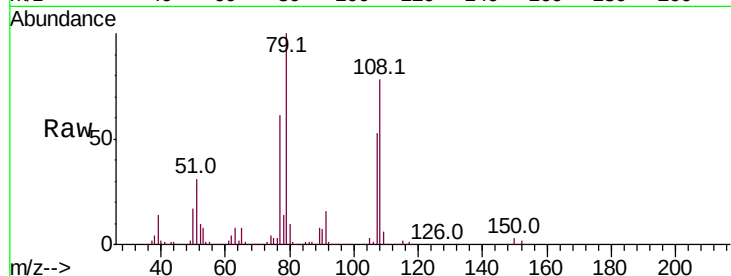
79 100

108 77.8 64.5 96.7

77 61.3 50.5 75.7

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#16

2,2'-oxybis(1-chloropropane)

Concen: 41.041 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

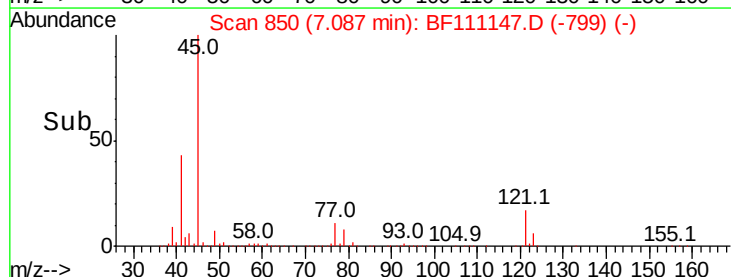
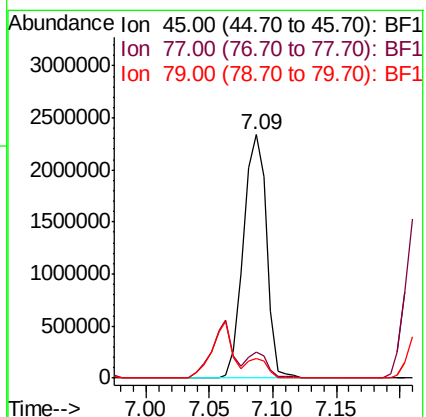
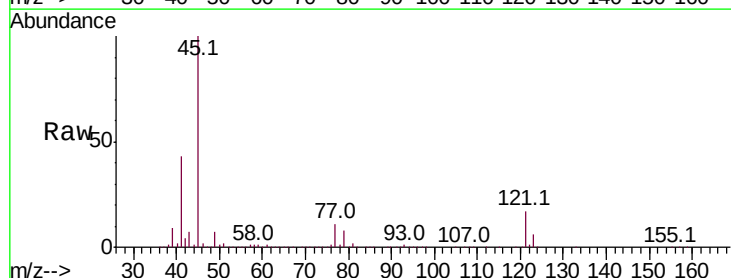
Tgt Ion: 45 Resp: 2954665

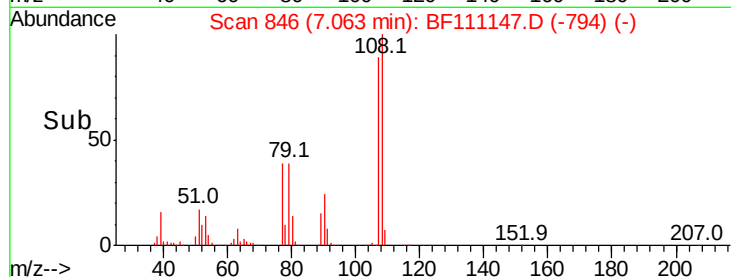
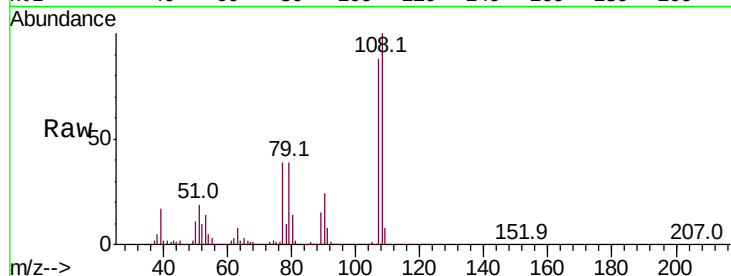
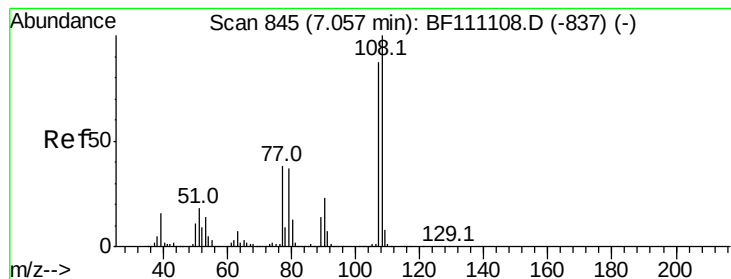
Ion Ratio Lower Upper

45 100

77 10.7 0.0 30.6

79 8.2 0.0 28.4





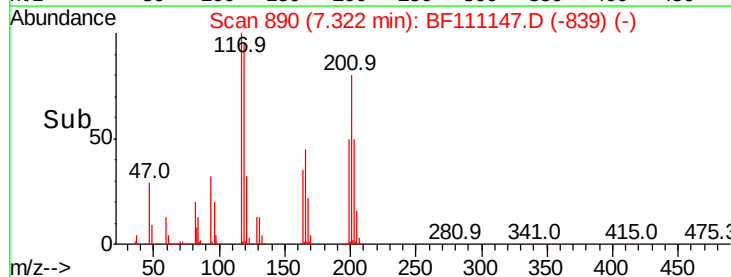
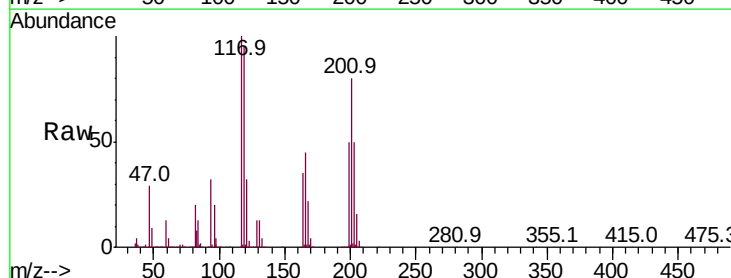
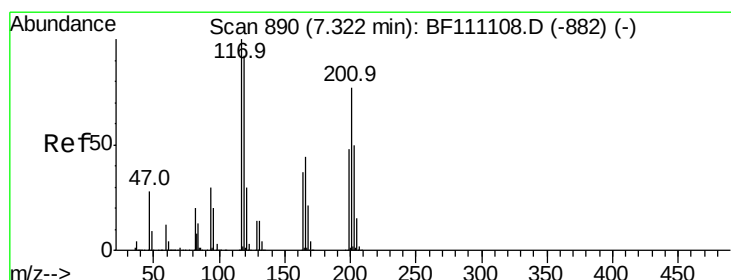
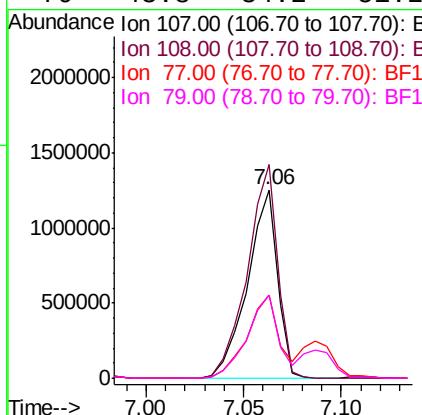
#17
2-Methylphenol
Concen: 43.867 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tot Ion:107 Resp: 1338078
Ion Ratio Lower Upper
107 100
108 113.2 91.8 137.8
77 44.2 34.7 52.1
79 43.8 34.2 51.2

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

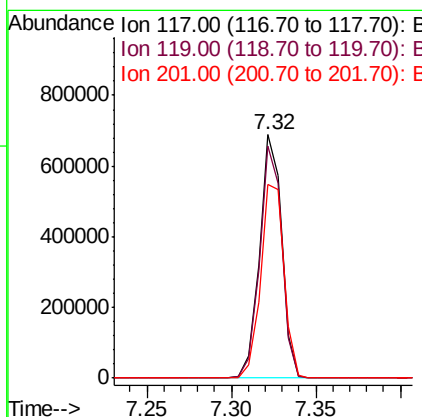
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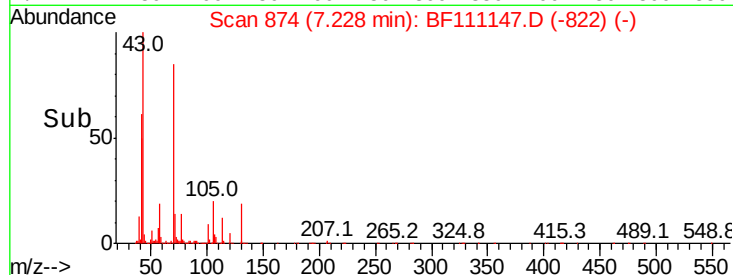
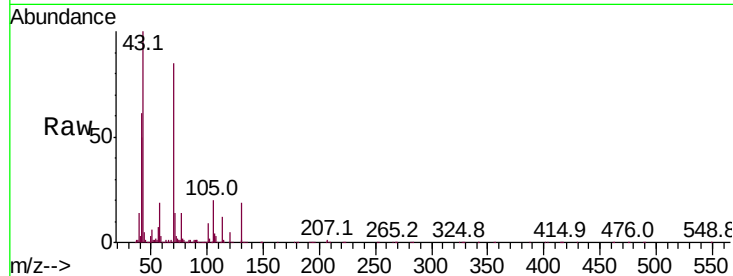
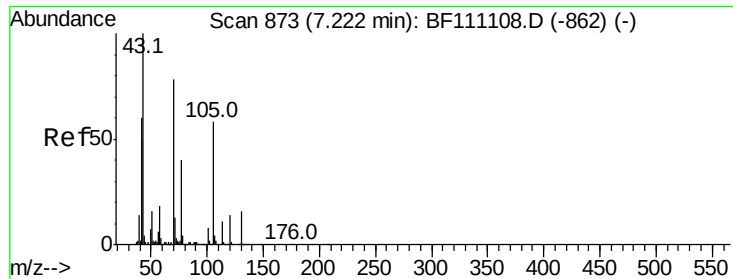
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#18
Hexachloroethane
Concen: 42.097 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:117 Resp: 628050
Ion Ratio Lower Upper
117 100
119 95.3 73.8 110.6
201 79.7 61.2 91.8





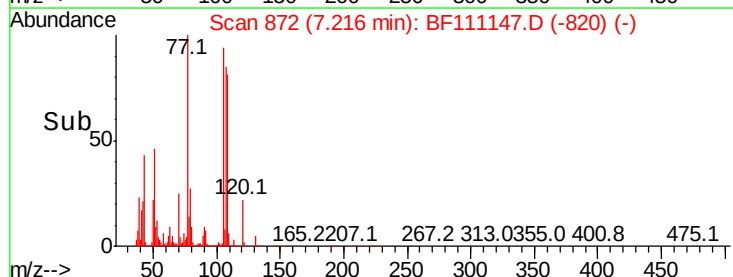
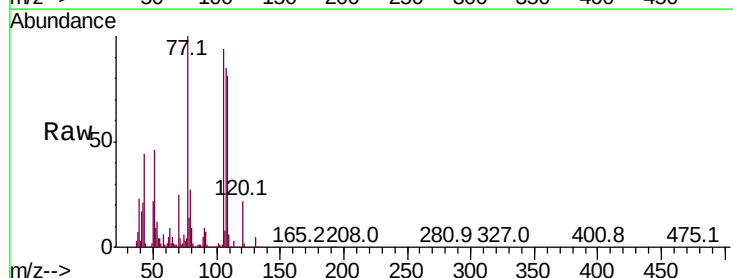
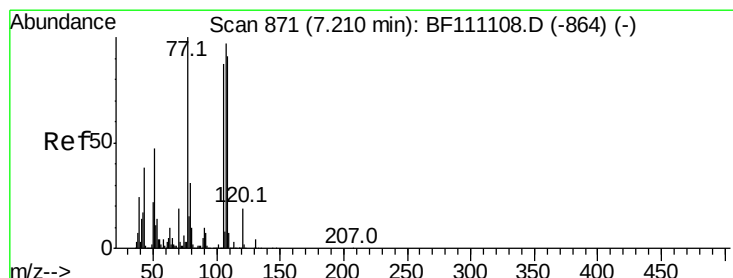
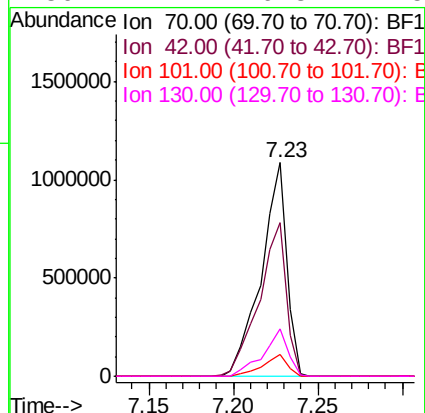
#19
n-Nitroso-di-n-propylamine
Concen: 40.922 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	72.0	61.3	91.9	
101	10.1	7.7	11.5	
130	22.1	16.3	24.5	

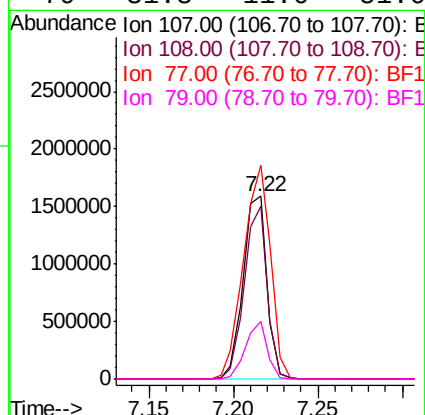
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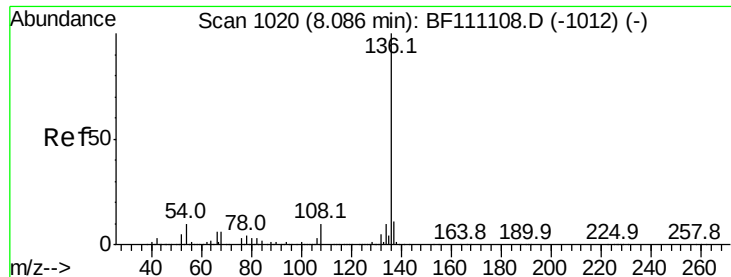
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#20
3+4-Methylphenols
Concen: 41.927 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	94.8	74.0	114.0	
77	117.1	83.2	123.2	
79	31.3	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: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

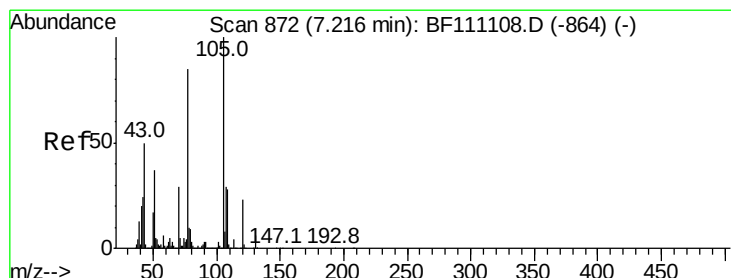
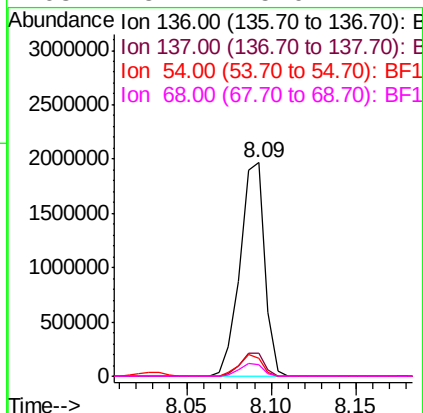
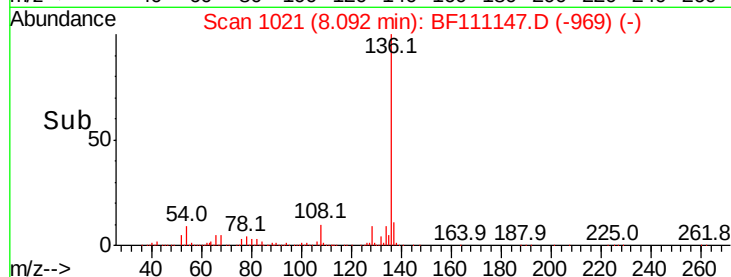
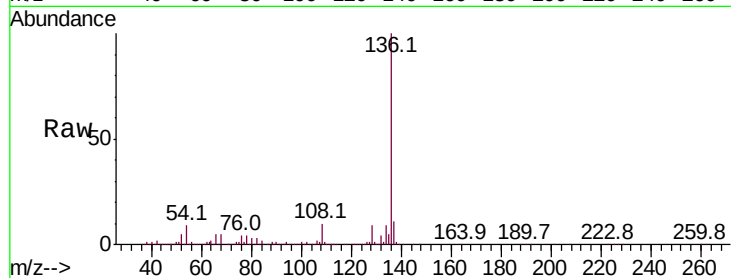
ClientSampleId :

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

Tot Ion	136	Resp	2009162
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	8.7	8.4	12.6
68	5.2	5.0	7.4

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#22

Acetophenone

Concen: 43.057 ng

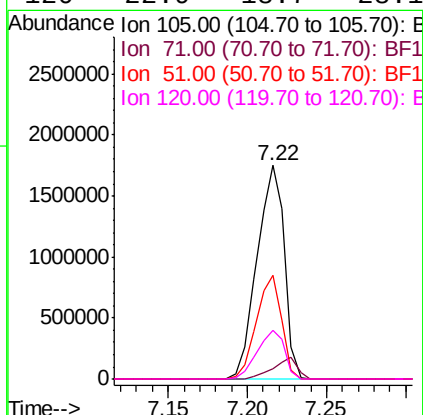
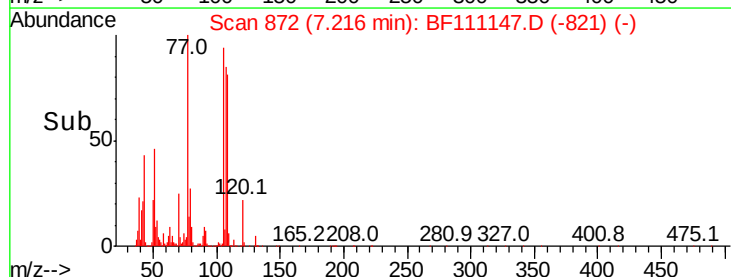
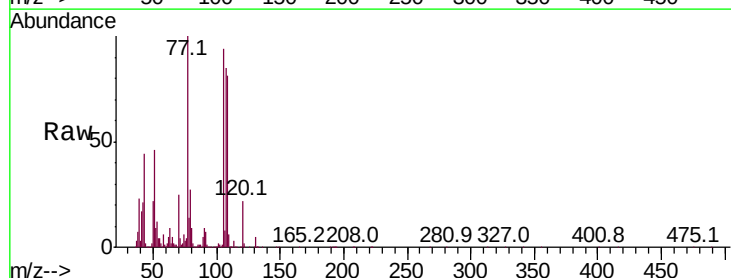
RT: 7.22 min Scan# 872

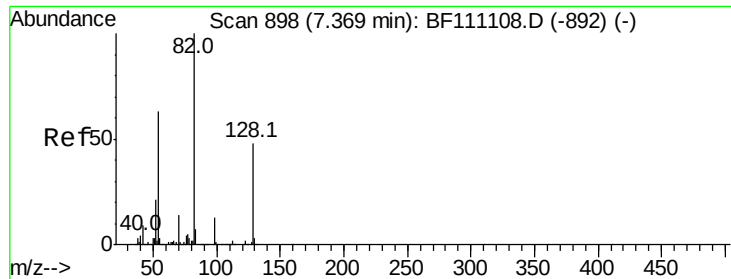
Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion	105	Resp	2090564
Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.0	6.0
51	48.8	29.8	44.8#
120	22.9	18.7	28.1





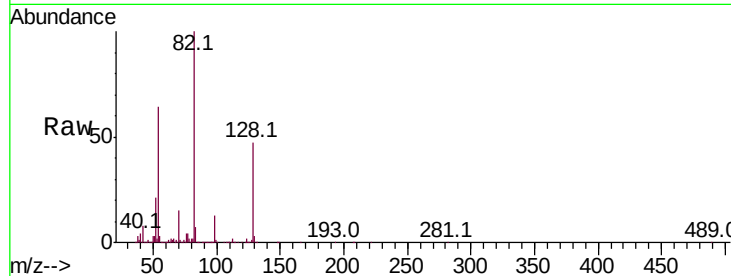
#23
 Nitrobenzene-d5
 Concen: 98.360 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

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

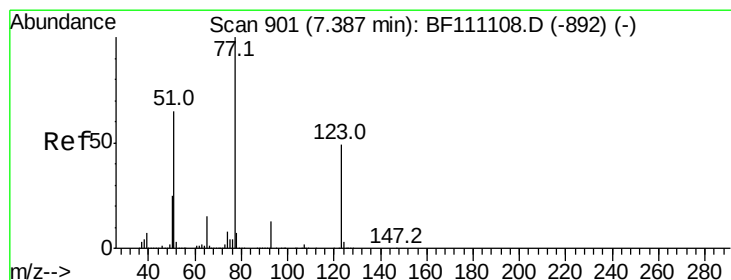
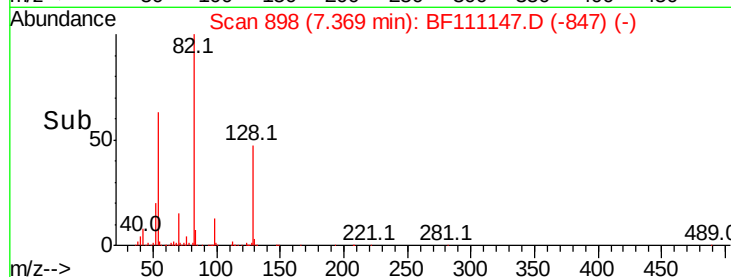
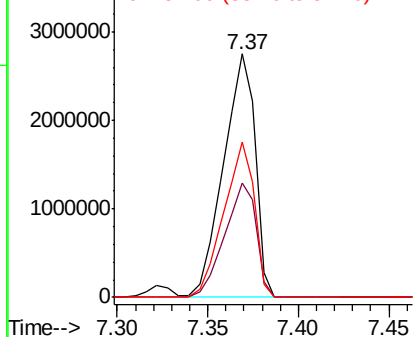
Tot Ion: 82 Resp: 3337991
 Ion Ratio Lower Upper
 82 100
 128 47.1 38.1 57.1
 54 63.8 50.3 75.5

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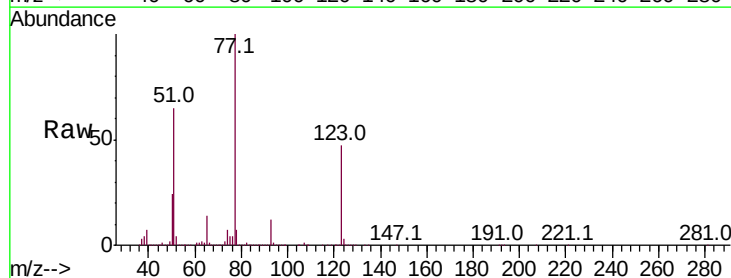


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

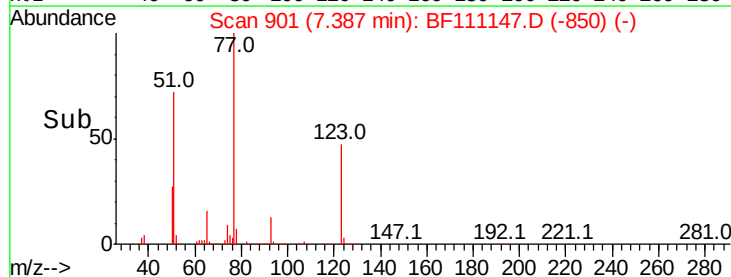
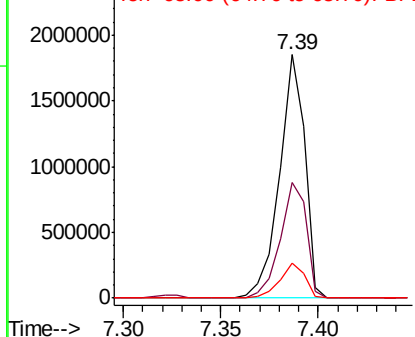


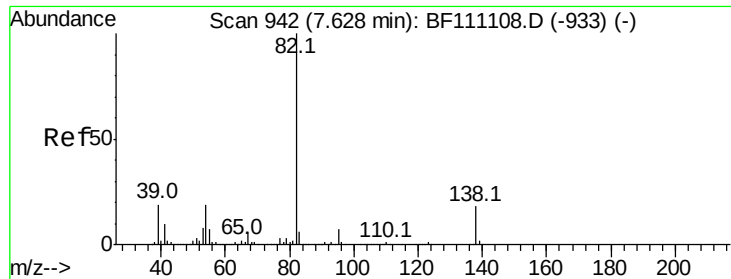
#24
 Nitrobenzene
 Concen: 45.516 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion: 77 Resp: 1661776
 Ion Ratio Lower Upper
 77 100
 123 47.4 39.5 59.3
 65 14.3 11.8 17.6



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





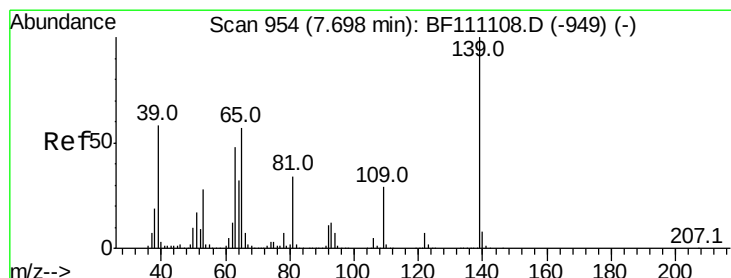
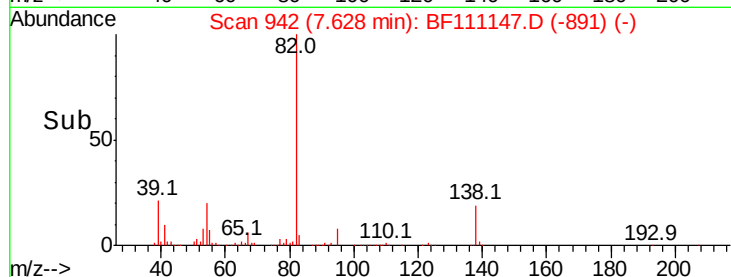
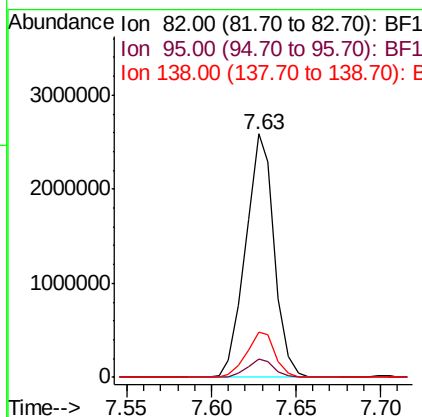
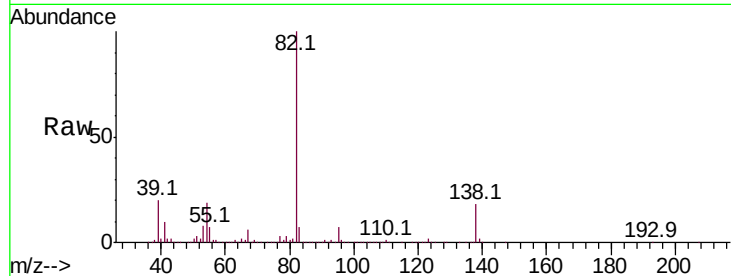
#25
Isophorone
Concen: 48.985 ng
RT: 7.63 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion: 82 Resp: 3050832
Ion Ratio Lower Upper
82 100
95 7.4 5.6 8.4
138 18.4 14.6 22.0

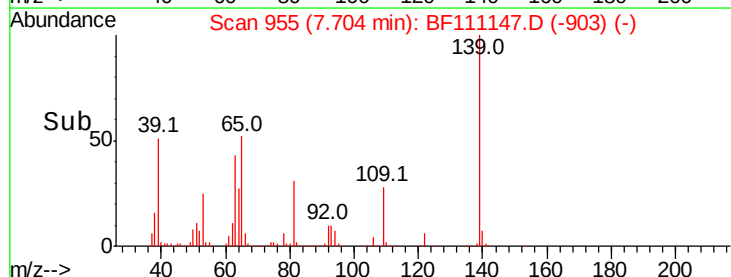
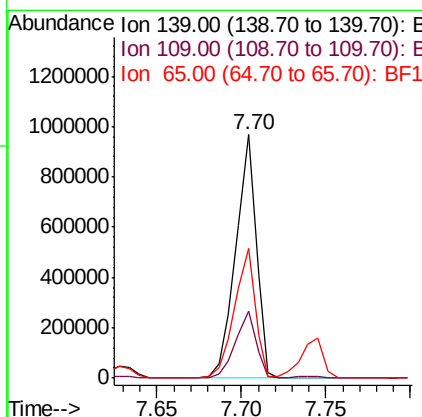
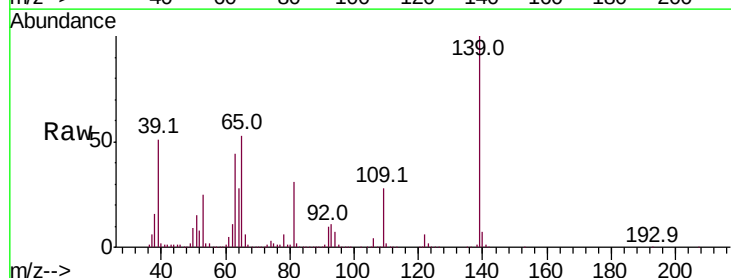
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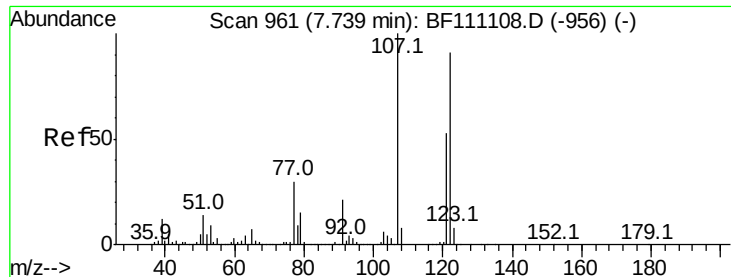
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12/10/2018 12:19:04 PM



#26
2-Nitrophenol
Concen: 53.274 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 139 Resp: 821828
Ion Ratio Lower Upper
139 100
109 27.5 23.1 34.7
65 53.0 45.9 68.9





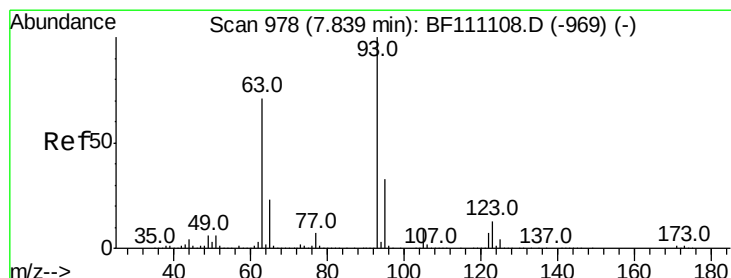
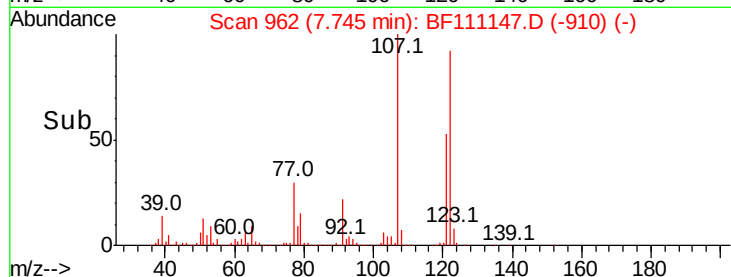
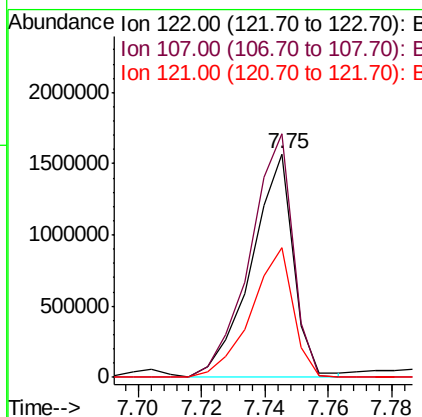
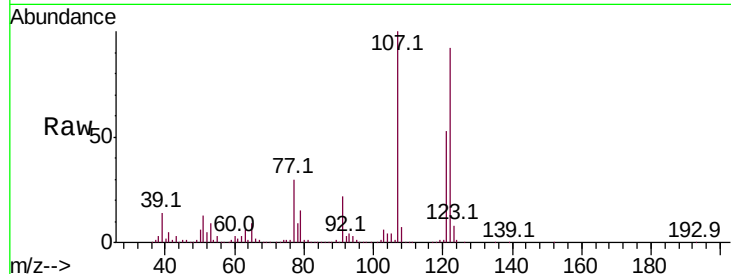
#27
2,4-Dimethylphenol
Concen: 49.929 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion:122 Resp: 1450580
Ion Ratio Lower Upper
122 100
107 108.9 87.4 131.0
121 57.7 45.9 68.9

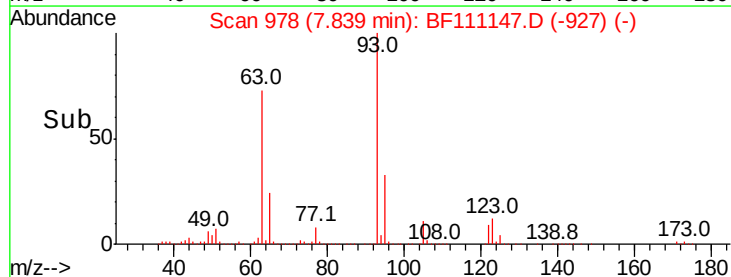
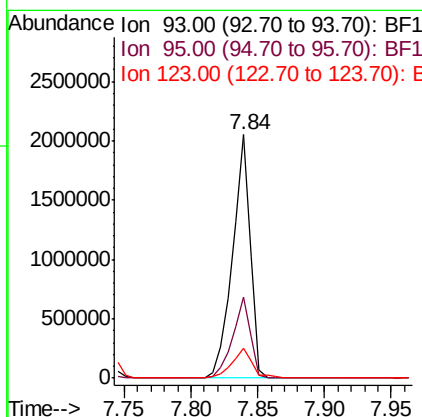
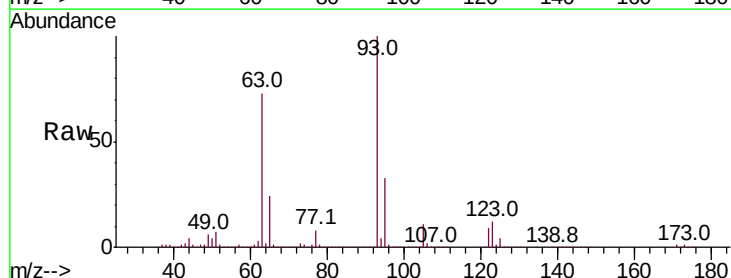
Manual Integrations
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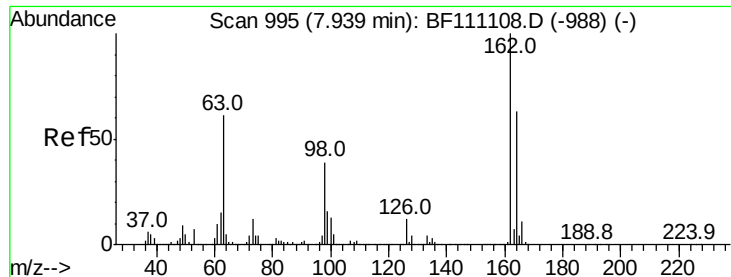
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#28
bis(2-Chloroethoxy)methane
Concen: 45.706 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 93 Resp: 1927095
Ion Ratio Lower Upper
93 100
95 33.4 26.6 39.8
123 12.5 10.3 15.5





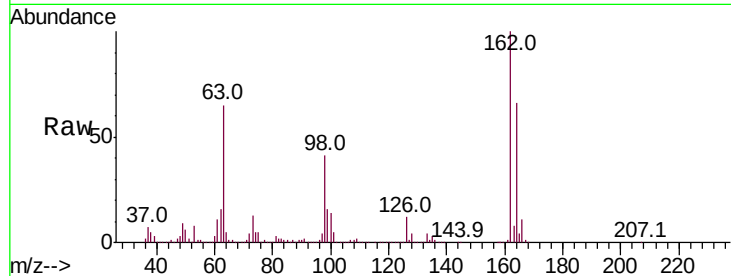
#29
2,4-Dichlorophenol
Concen: 45.144 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.7	43.3	83.3
98	41.0	18.9	58.9

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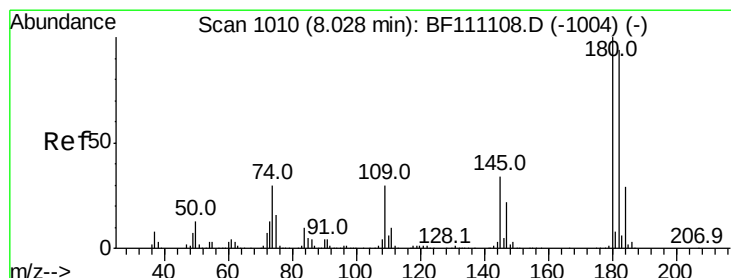
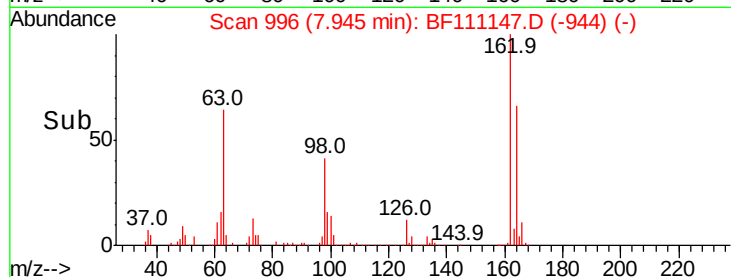
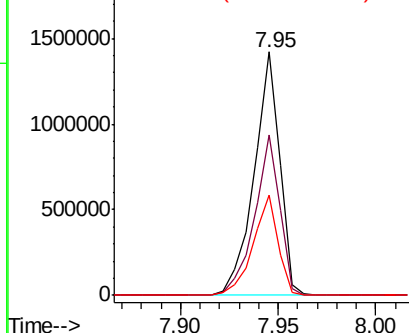


Abundance

Ion 162.00 (161.70 to 162.70): E

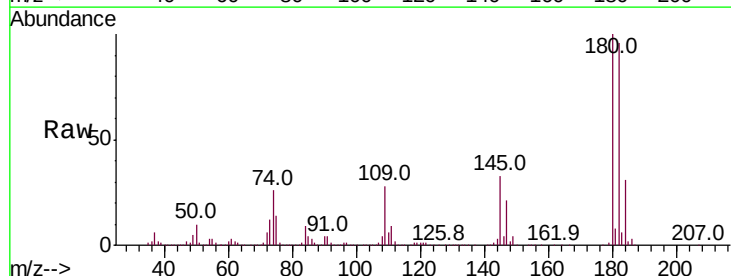
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 43.597 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.1	112.7
145	33.0	27.6	41.4

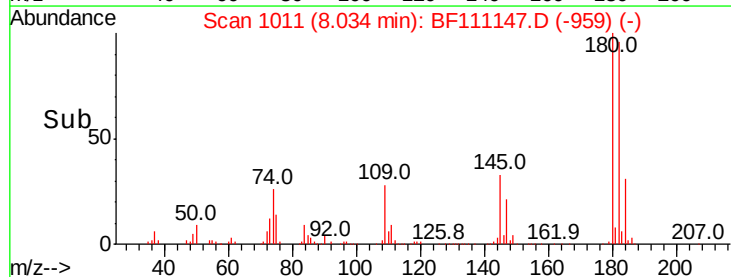
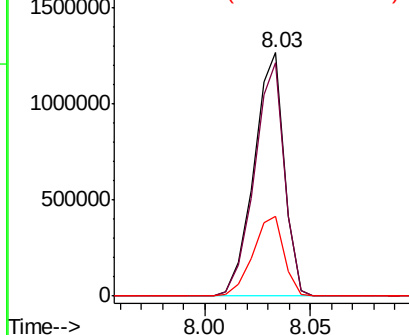


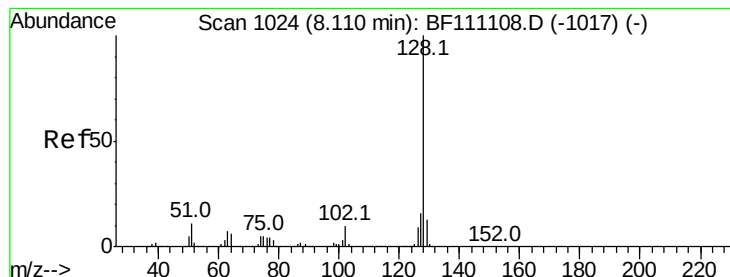
Abundance

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: 48.217 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:128 Resp: 4217884

Ion Ratio Lower Upper

128 100

129 13.3 10.5 15.7

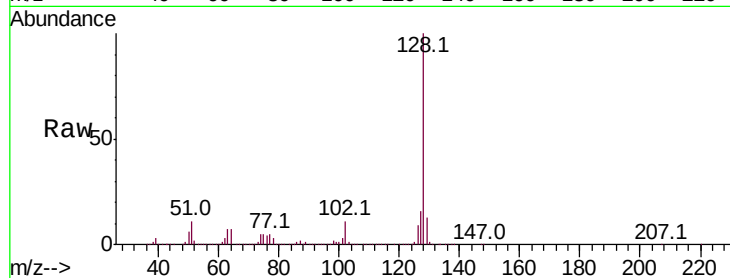
127 15.7 12.5 18.7

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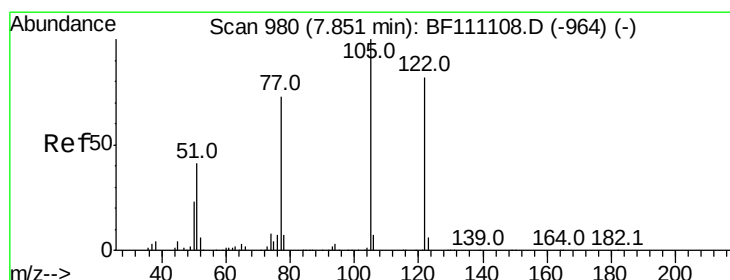
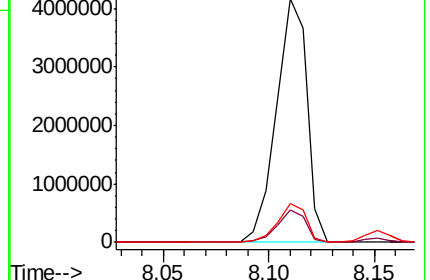
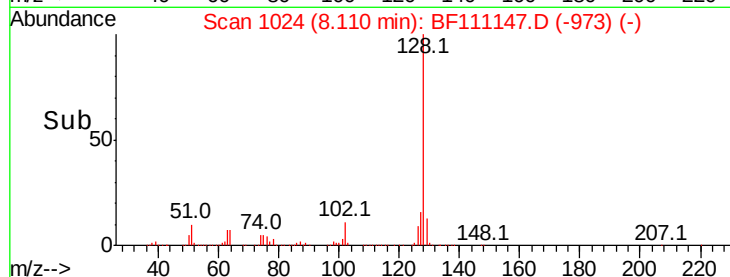
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 44.131 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

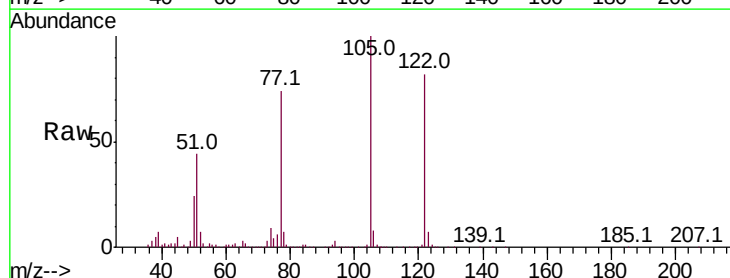
Tgt Ion:122 Resp: 845475

Ion Ratio Lower Upper

122 100

105 122.2 100.1 140.1

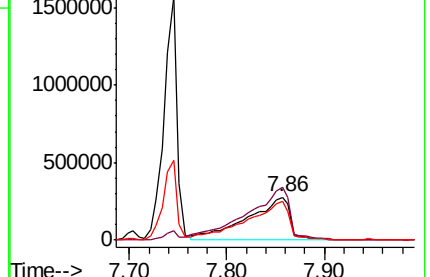
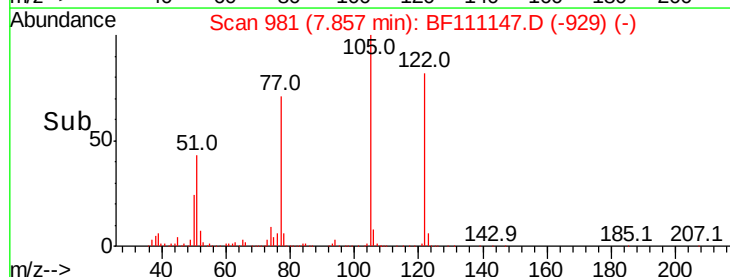
77 89.9 69.4 109.4

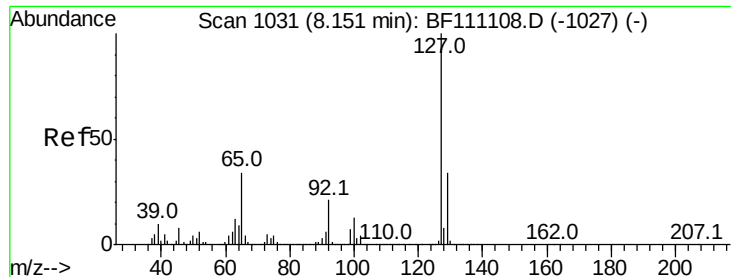


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





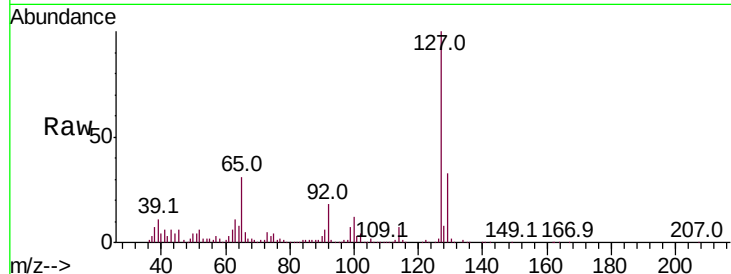
#33
4-Chloroaniline
Concen: 4.780 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

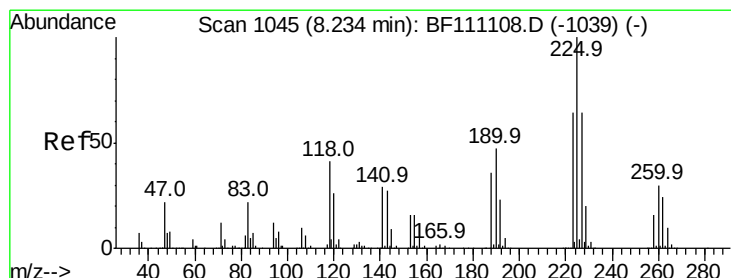
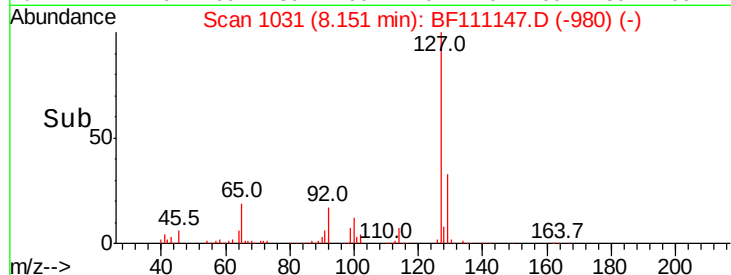
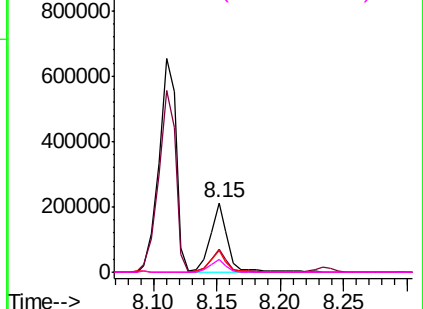
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.3	27.0	40.6	
65	30.9	27.2	40.8	
92	18.2	16.6	24.8	

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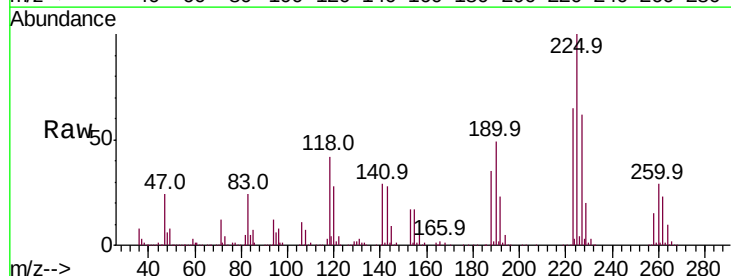


Abundance Ion 127.00 (126.70 to 127.70): E
1000000 Ion 129.00 (128.70 to 129.70): E
800000 Ion 65.00 (64.70 to 65.70): BF1
600000 Ion 92.00 (91.70 to 92.70): BF1
400000
200000
0

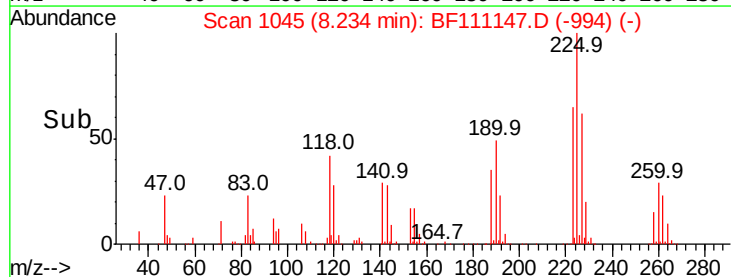
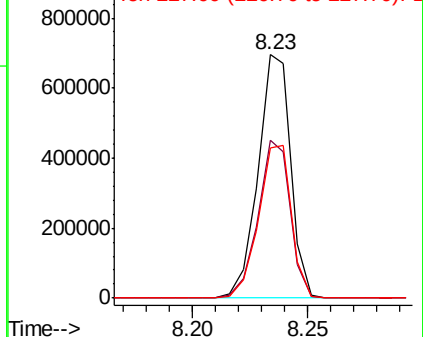


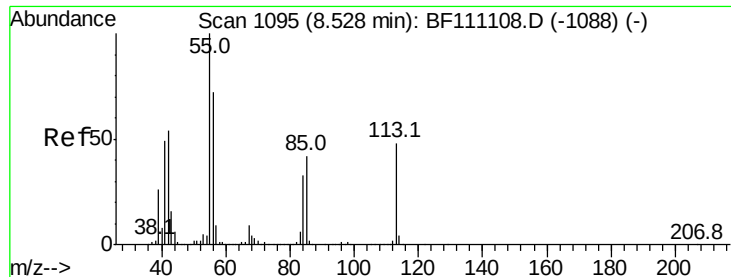
#34
Hexachlorobutadiene
Concen: 43.557 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.0	51.4	77.2	
227	61.8	51.0	76.4	



Abundance Ion 225.00 (224.70 to 225.70): E
800000 Ion 223.00 (222.70 to 223.70): E
600000 Ion 227.00 (226.70 to 227.70): E
400000
200000
0





#35

Caprolactam

Concen: 43.295 ng/ml

RT: 8.53 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

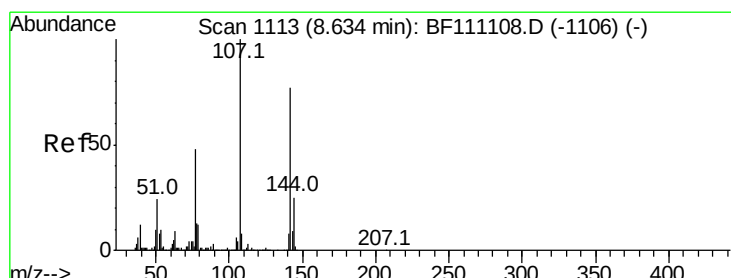
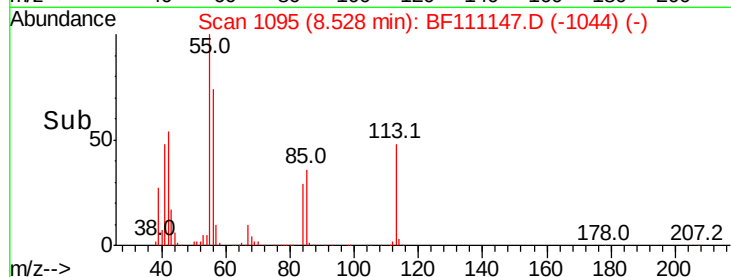
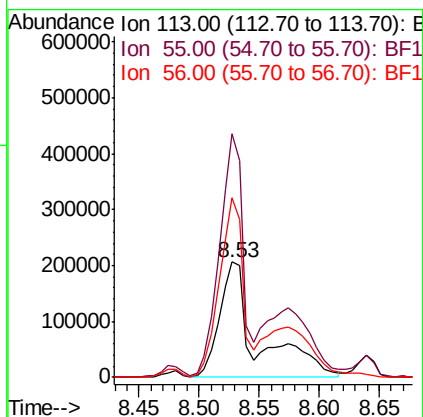
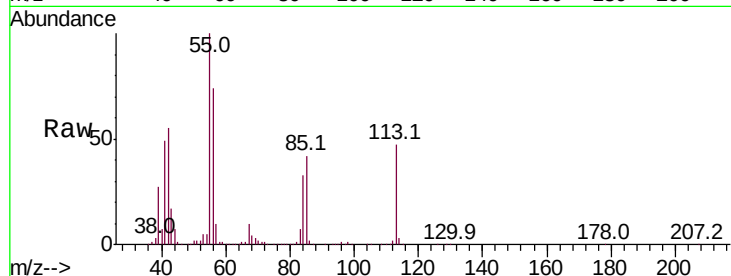
ClientSampleId :

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

Tot Ion:	113	Resp:	454670
Ion Ratio	Lower	Upper	
113	100		
55	211.1	190.6	230.6
56	155.9	130.9	170.9

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12/10/2018 12:19:04 PM



#36

4-Chloro-3-methylphenol

Concen: 45.893 ng/ml

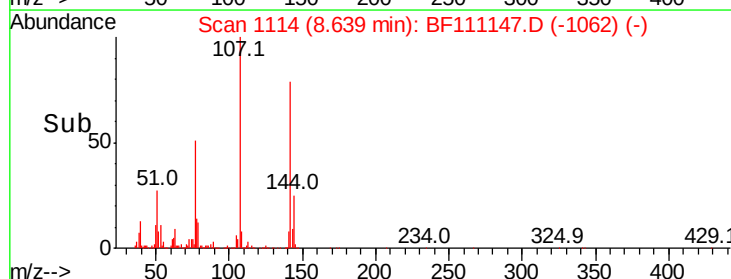
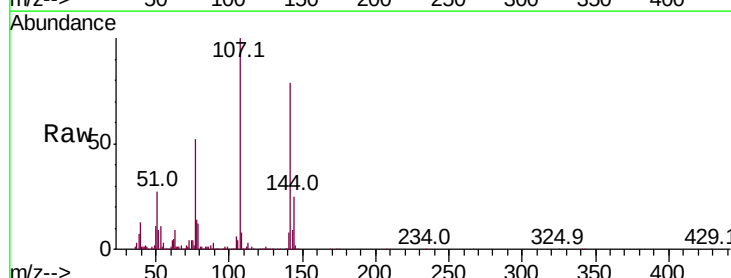
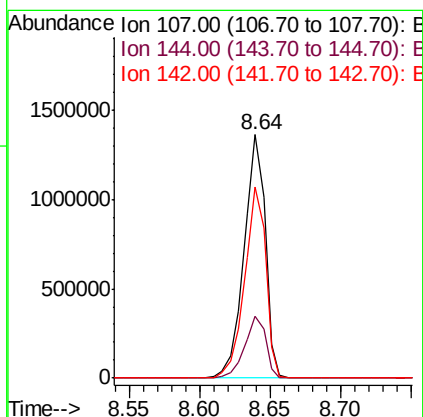
RT: 8.64 min Scan# 1114

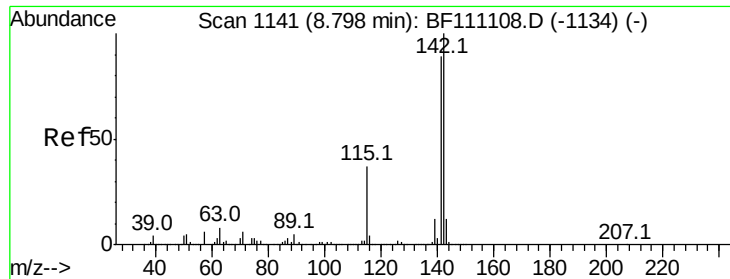
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:	107	Resp:	1437774
Ion Ratio	Lower	Upper	
107	100		
144	25.5	19.9	29.9
142	78.7	61.4	92.0





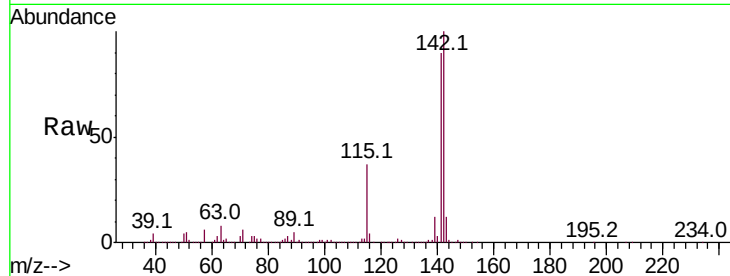
#37
2-Methylnaphthalene
Concen: 48.273 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.0
115	37.0	29.2	43.8

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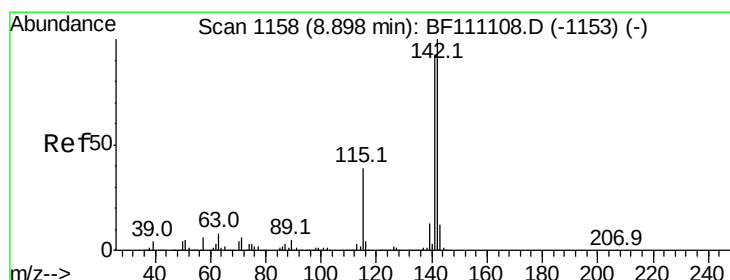
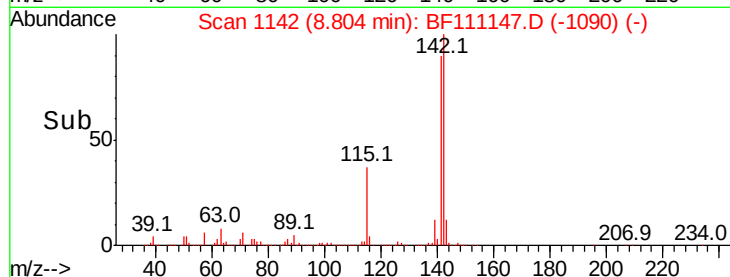
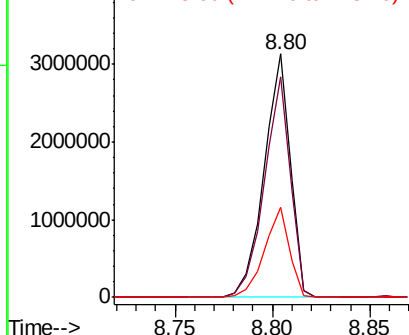


Abundance

Ion 142.00 (141.70 to 142.70): E

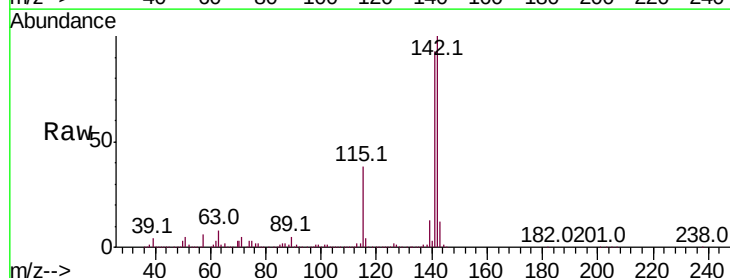
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 48.154 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.5	111.7
116	4.2	3.2	4.8

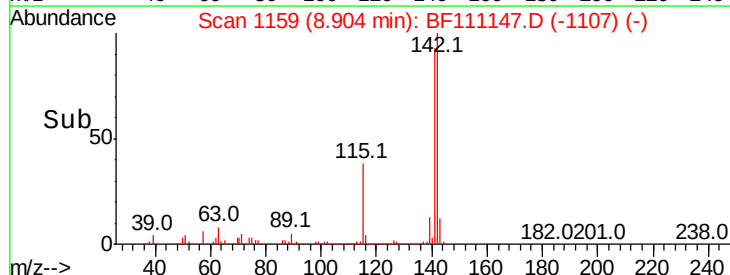
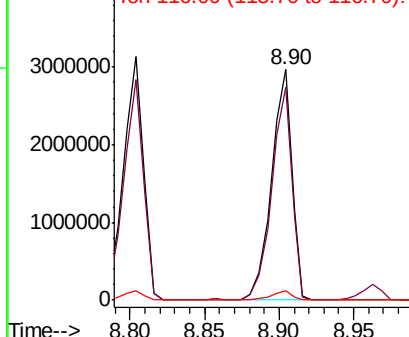


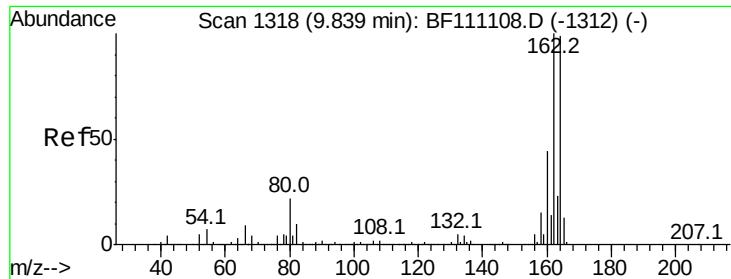
Abundance

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





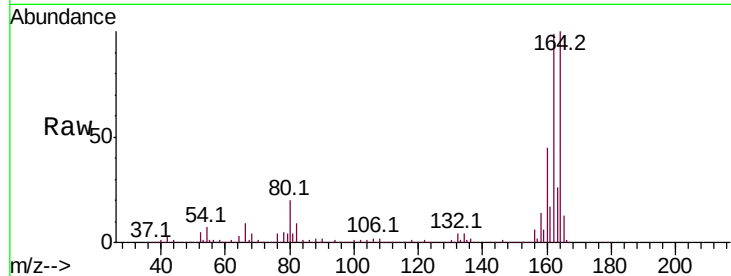
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100	966825		
162	98.7		80.6	120.8
160	45.1		35.5	53.3

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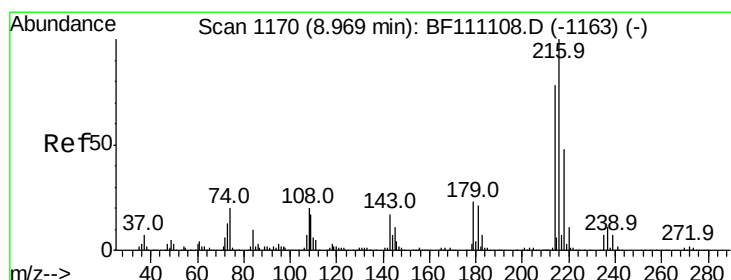
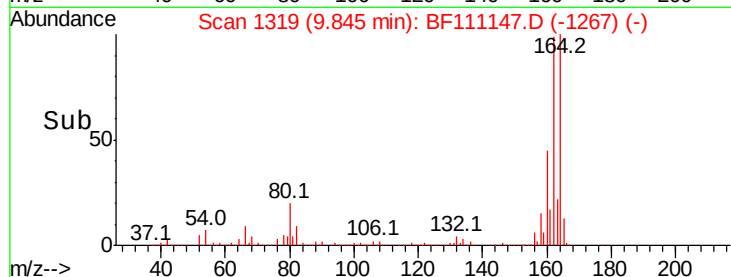
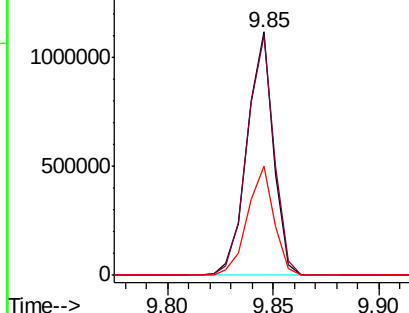


Abundance

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: 40.622 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	1046742		
214	79.5		63.4	95.0
179	23.1		18.5	27.7
108	26.2		19.1	28.7

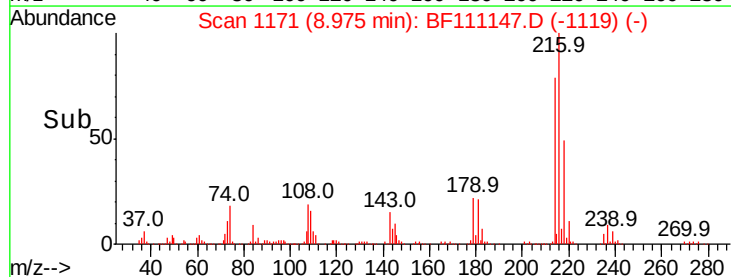
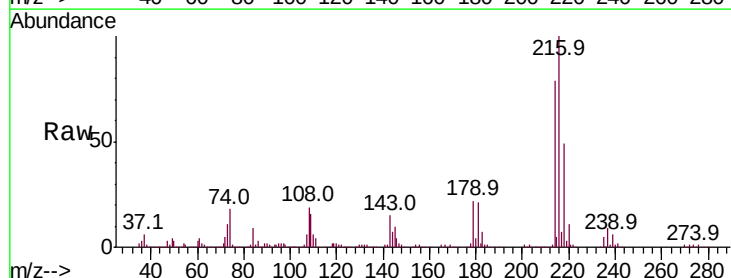
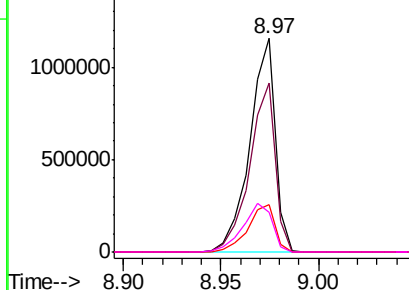
Abundance

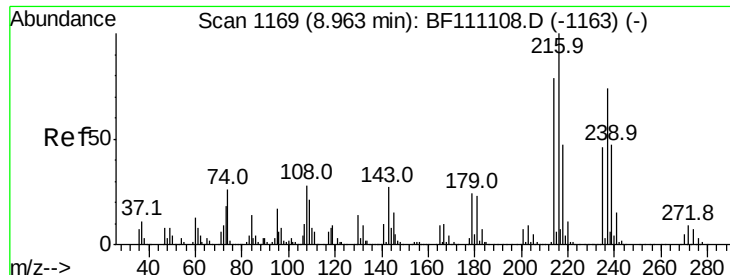
Ion 216.00 (215.70 to 216.70): E

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





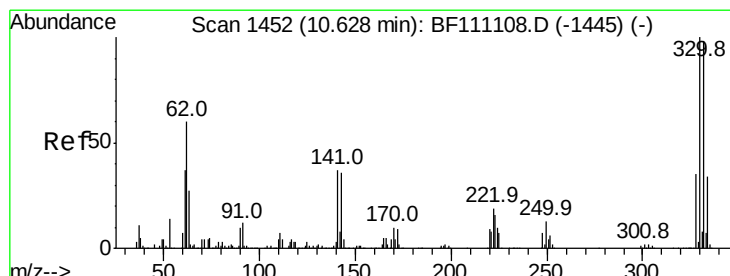
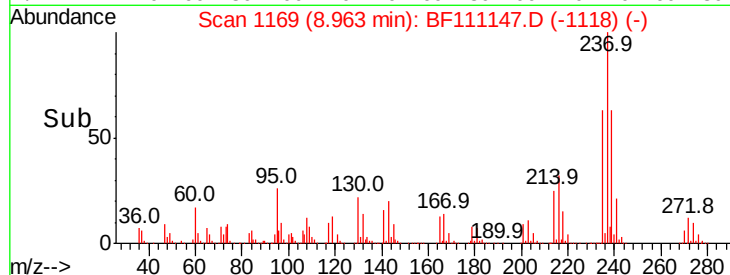
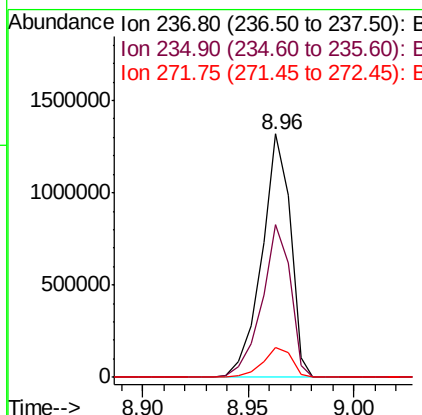
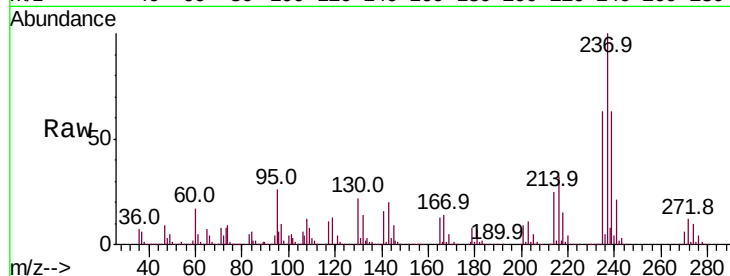
#41
 Hexachlorocyclopentadiene
 Concen: 91.433 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

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

Tot Ion:	237	Resp:	1242307
Ion Ratio	Lower	Upper	
237	100		
235	62.8	41.9	81.9
272	12.4	0.0	32.7

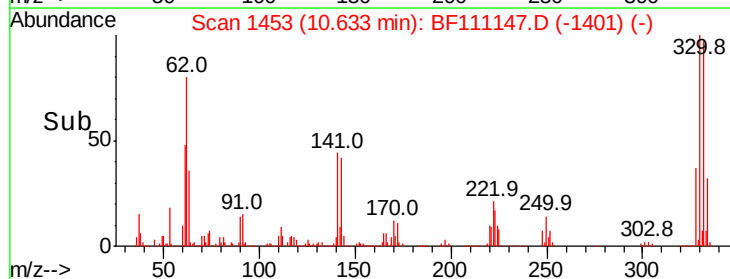
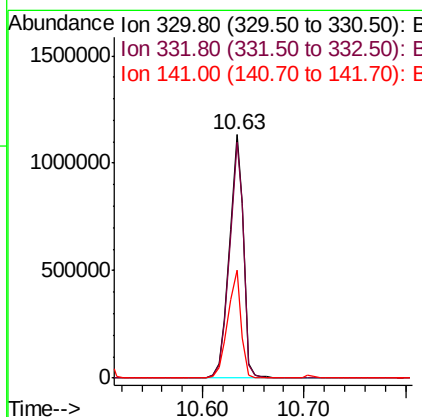
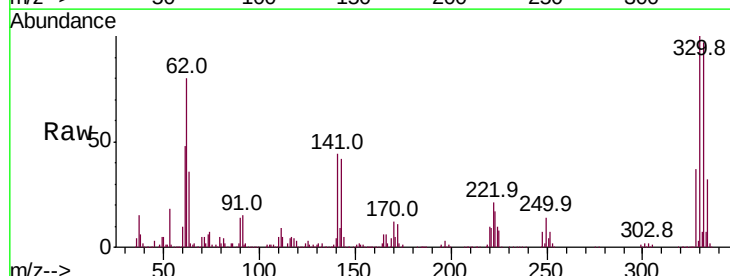
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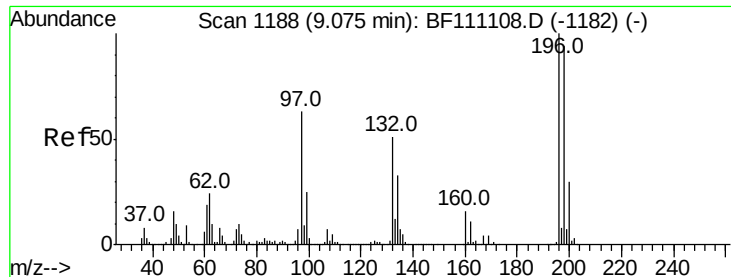
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 12/10/2018 12:19:04 PM



#42
 2,4,6-Tribromophenol
 Concen: 142.805 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:	330	Resp:	1097478
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.2	115.8
141	42.3	36.1	54.1





#43

2,4,6-Trichlorophenol

Concen: 46.862 ng

RT: 9.08 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

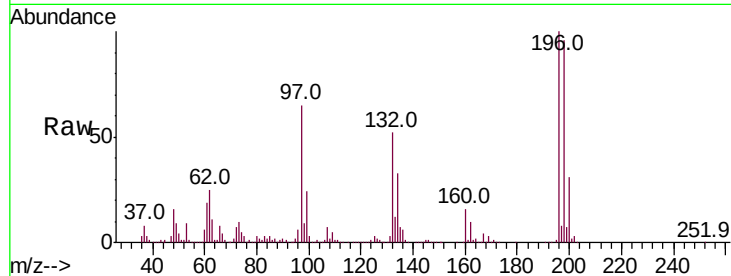
ClientSampleId :

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

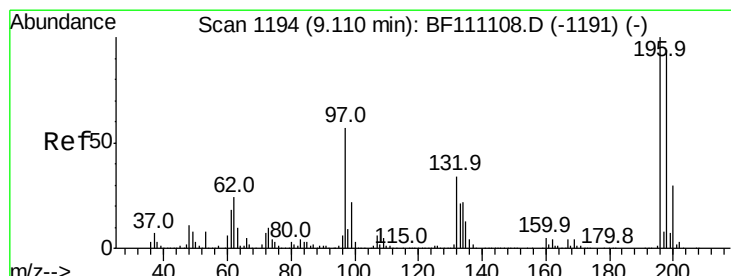
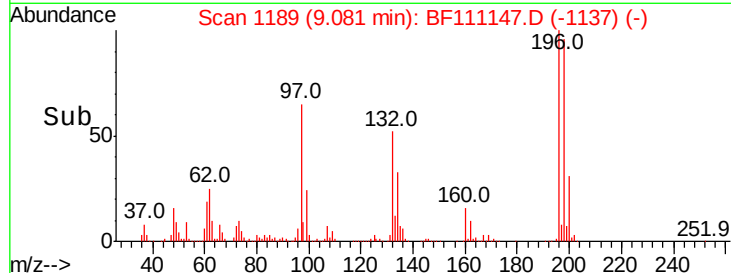
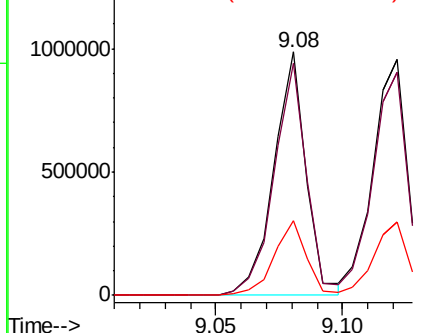
Tot Ion:	196	Resp:	881930
Ion Ratio	Lower	Upper	
196	100		
198	95.6	75.4	113.0
200	30.6	24.2	36.4

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12/10/2018 12:19:04 PM



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 47.334 ng

RT: 9.12 min Scan# 1196

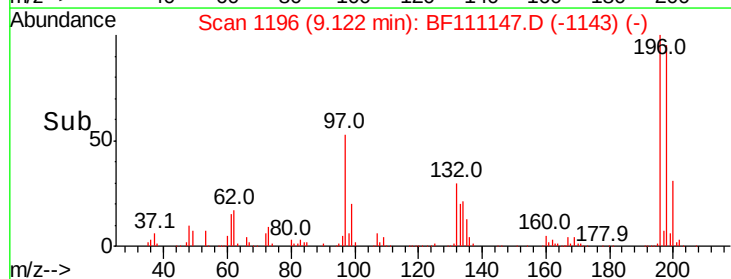
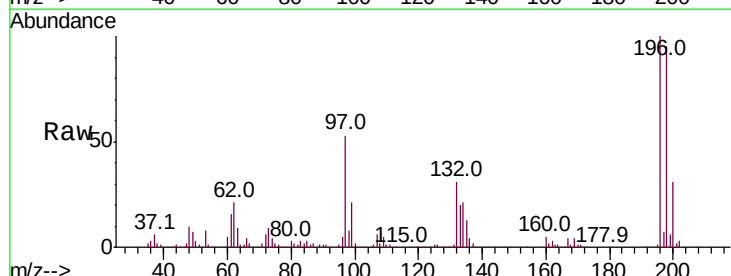
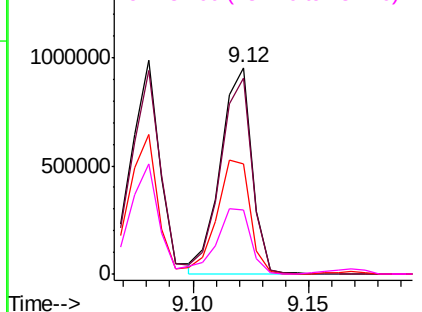
Delta R.T. 0.01 min

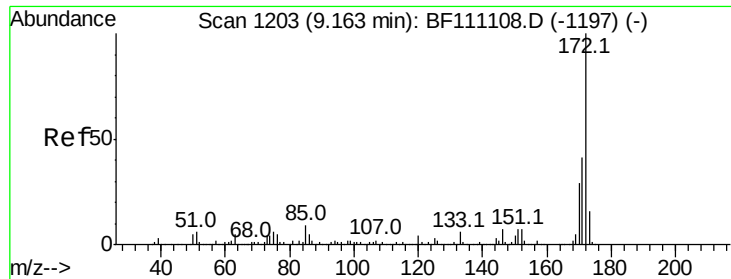
Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:	196	Resp:	903030
Ion Ratio	Lower	Upper	
196	100		
198	95.0	75.0	112.4
97	53.0	46.2	69.4
132	30.8	27.2	40.8

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF1
Ion 132.00 (131.70 to 132.70): E





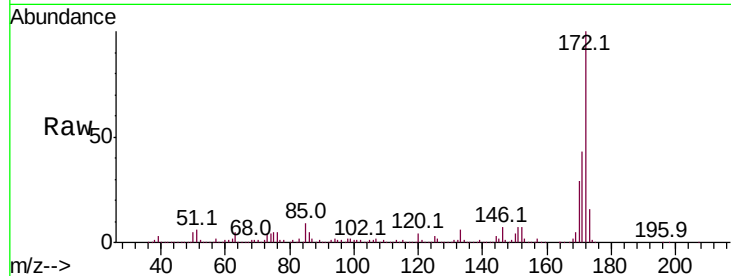
#45
2-Fluorobiphenyl
Concen: 100.568 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

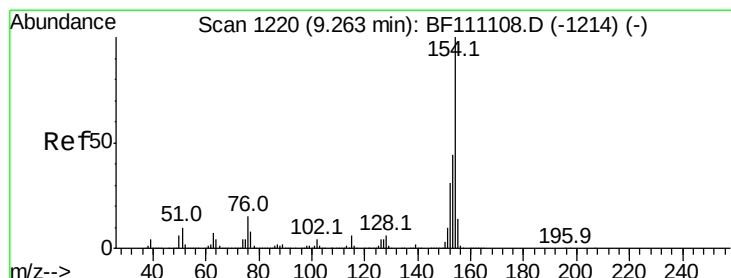
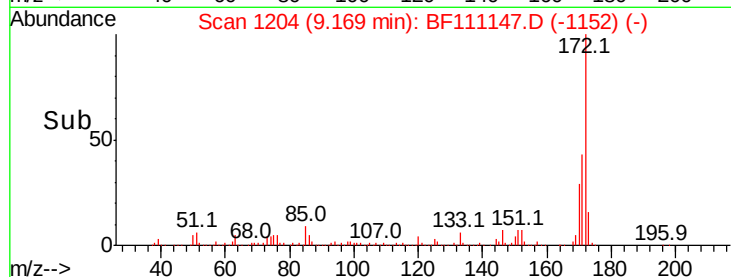
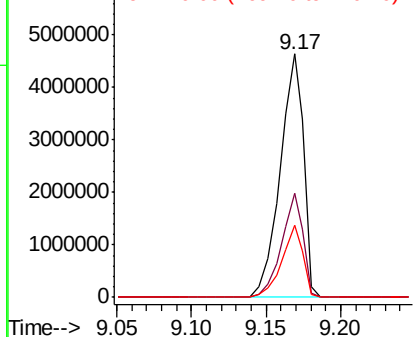
Tot Ion:172 Resp: 5115221
Ion Ratio Lower Upper
172 100
171 42.7 33.2 49.8
170 29.4 22.9 34.3

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12/10/2018 12:19:04 PM

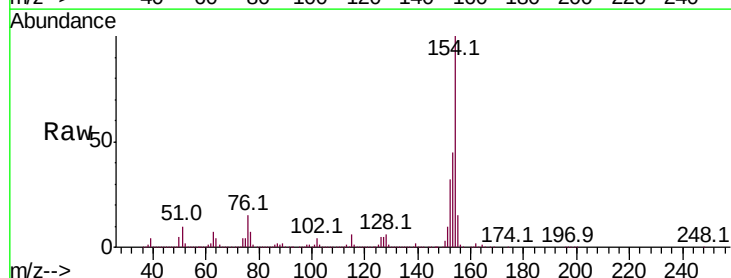


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

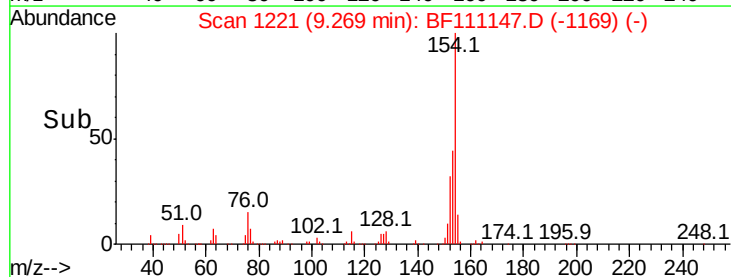
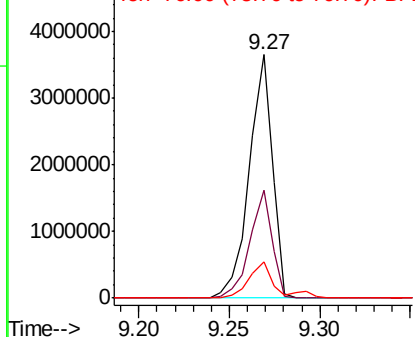


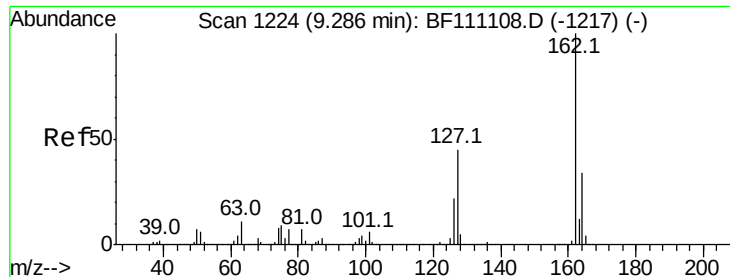
#46
1,1'-Biphenyl
Concen: 40.958 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:154 Resp: 3241710
Ion Ratio Lower Upper
154 100
153 44.5 23.7 63.7
76 14.9 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





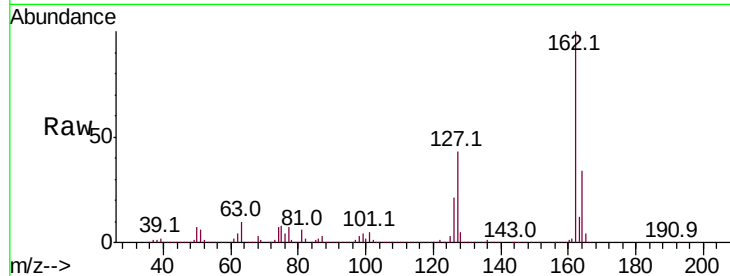
#47
2-Chloronaphthalene
Concen: 42.967 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

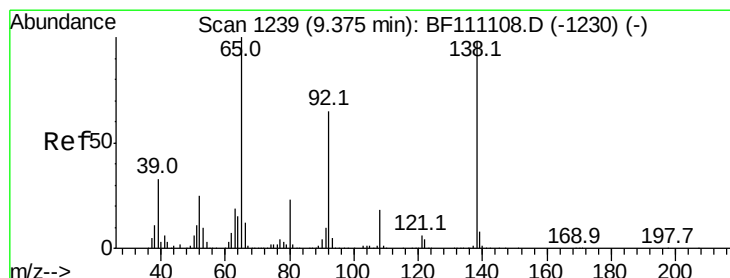
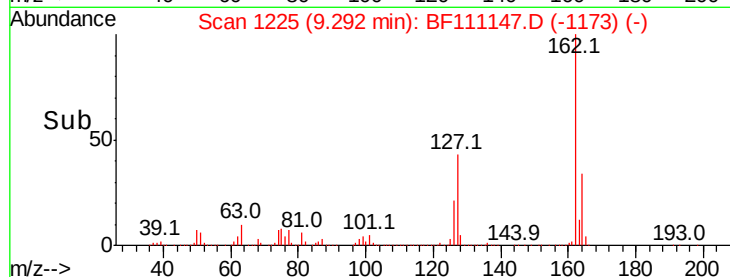
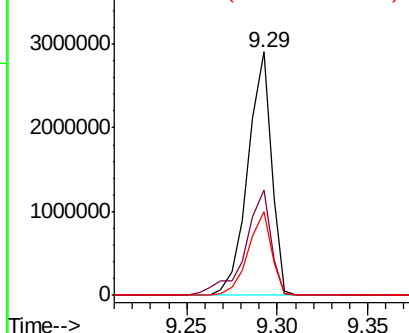
Tot Ion	Ratio	Lower	Upper
162	100		
127	43.1	36.4	54.6
164	34.3	27.3	40.9

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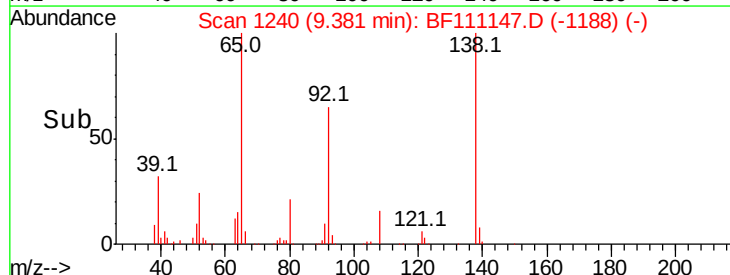
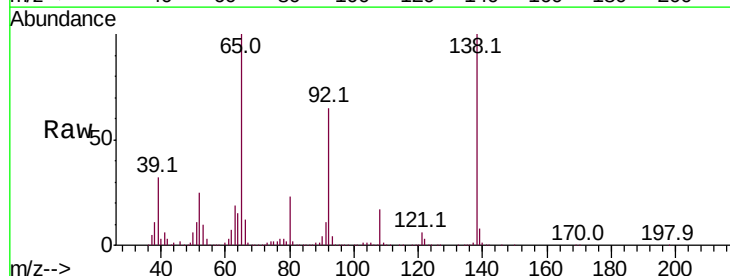
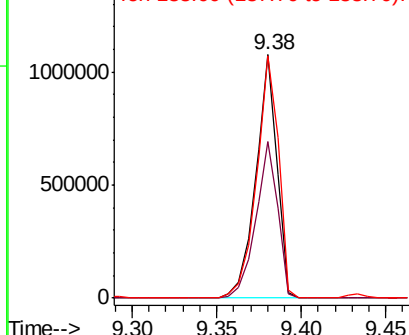
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

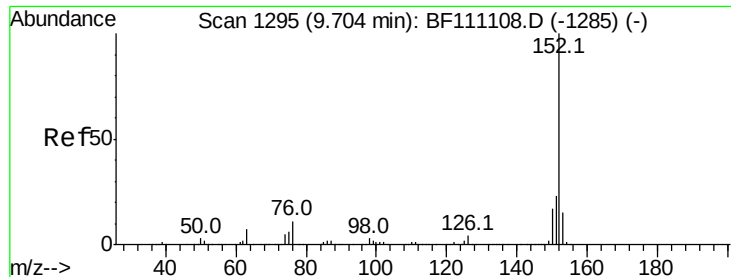


#48
2-Nitroaniline
Concen: 47.242 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.5	52.1	78.1
138	99.6	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





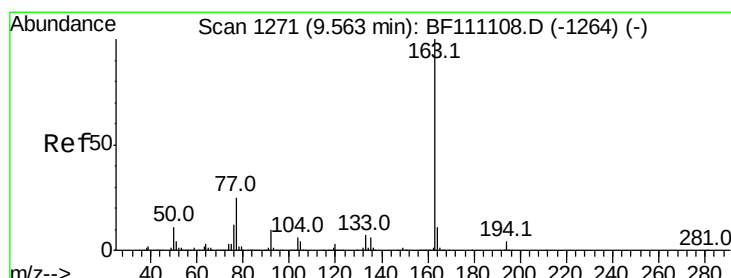
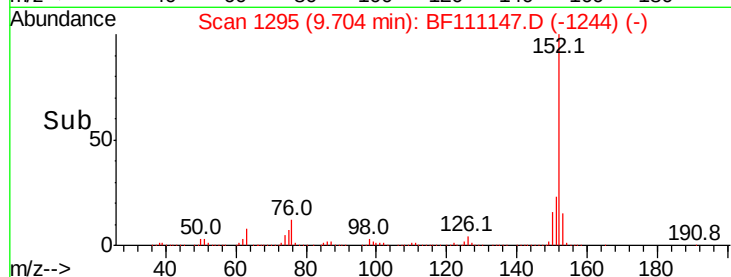
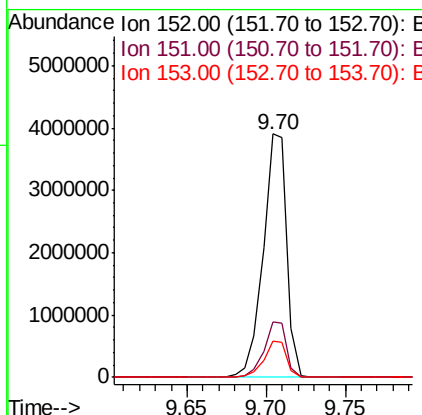
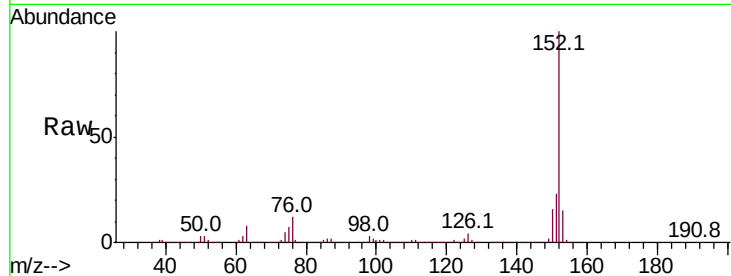
#49
Acenaphthylene
Concen: 47.364 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion:152 Resp: 4071726
Ion Ratio Lower Upper
152 100
151 22.7 18.3 27.5
153 15.1 11.8 17.8

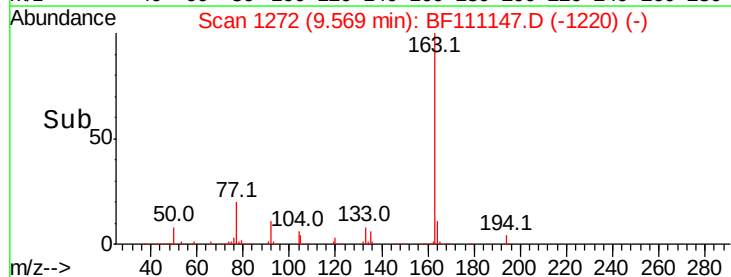
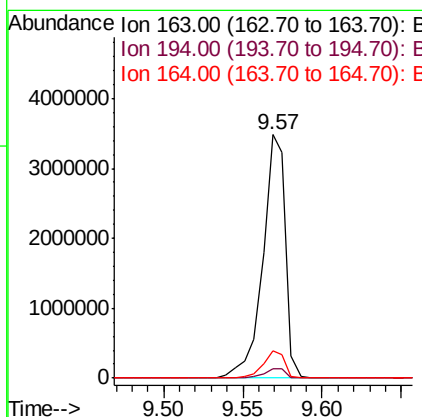
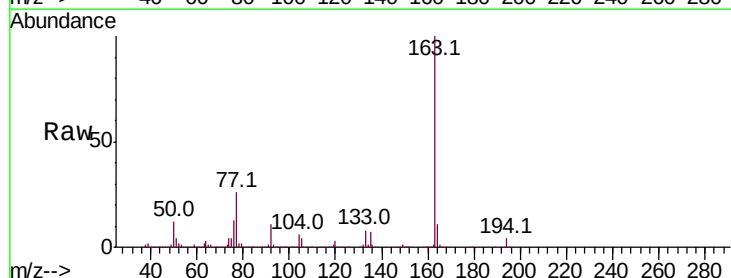
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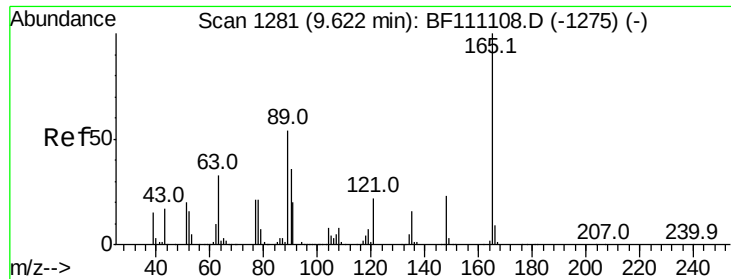
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12/10/2018 12:19:04 PM



#50
Dimethylphthalate
Concen: 51.683 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:163 Resp: 3477636
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 11.4 8.9 13.3





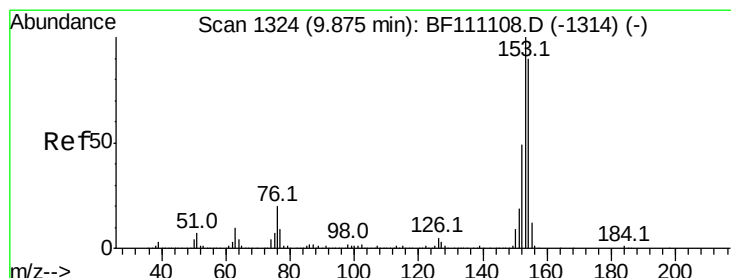
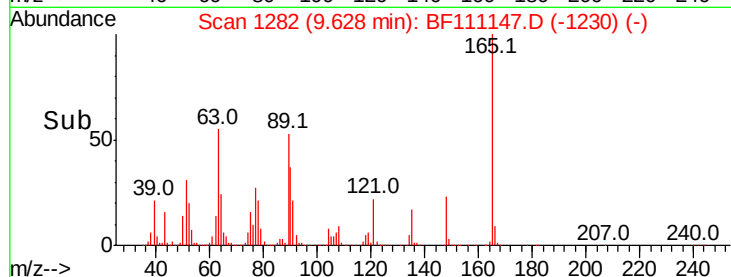
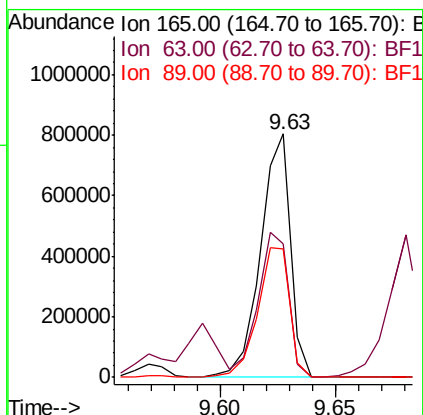
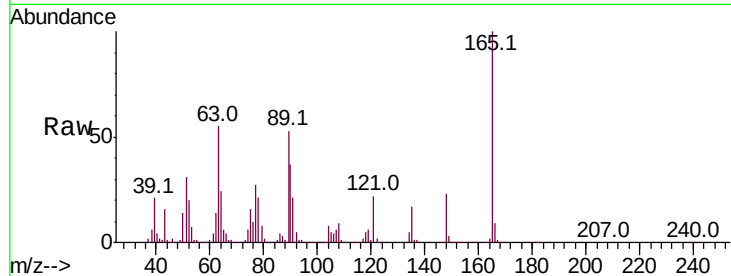
#51
2,6-Dinitrotoluene
Concen: 51.038 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	54.6		44.7	67.1
89	52.6		43.0	64.4

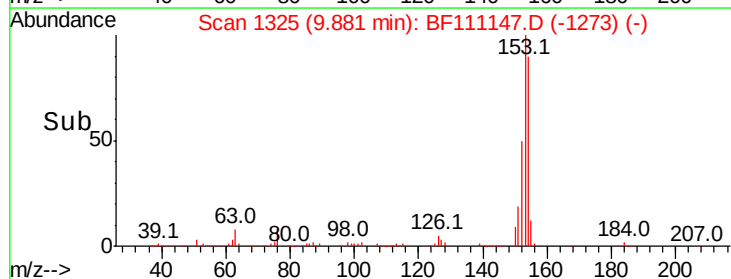
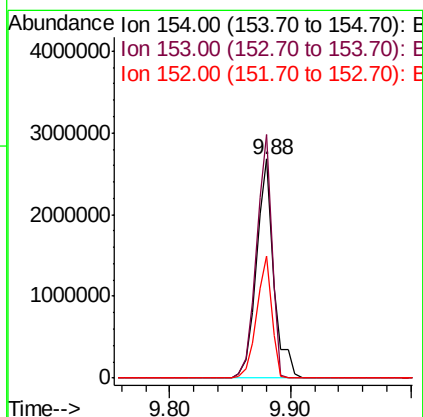
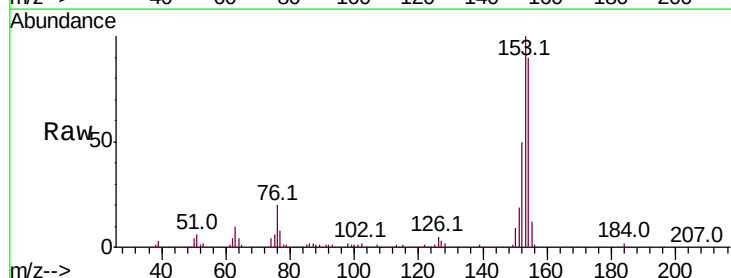
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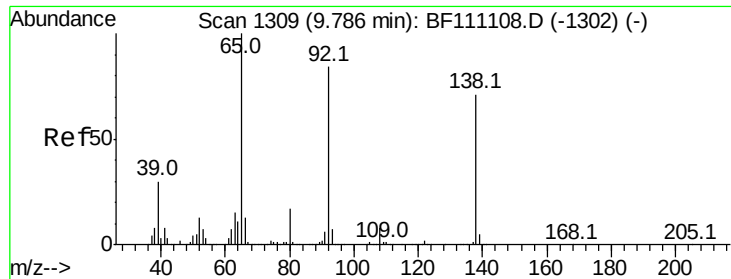
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#52
Acenaphthene
Concen: 47.520 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.1		88.7	133.1
152	55.8		43.8	65.8





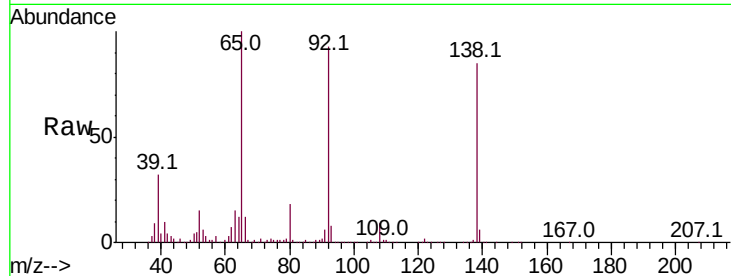
#53
3-Nitroaniline
Concen: 12.521 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	9.4	14.0
92	109.2	94.1	141.1

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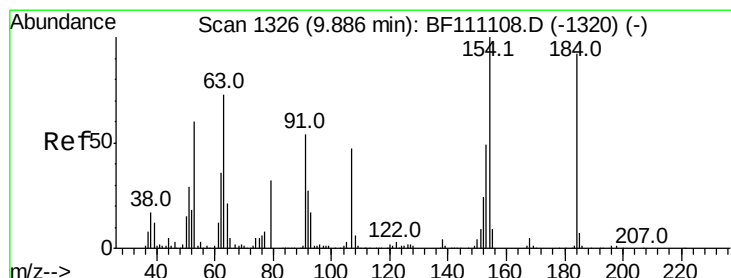
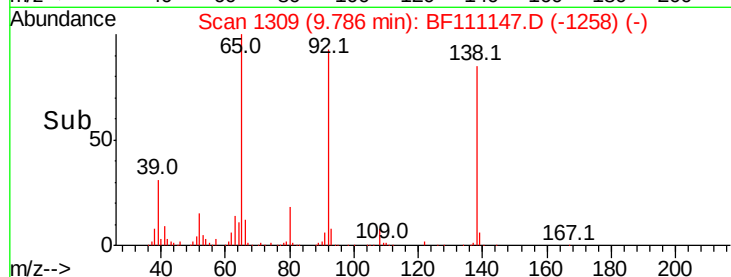
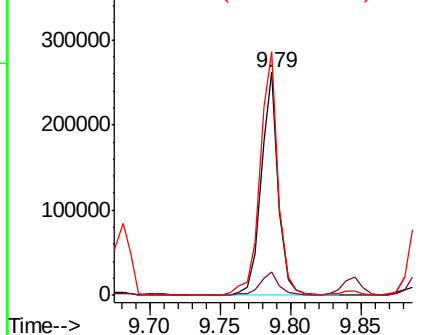


Abundance

Ion 138.00 (137.70 to 138.70): E

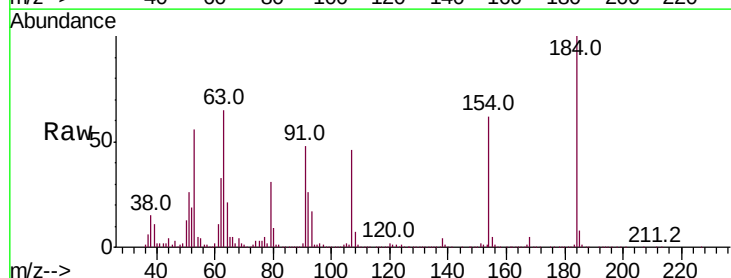
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 106.719 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.4	64.2	96.4
154	62.3	89.5	134.3#

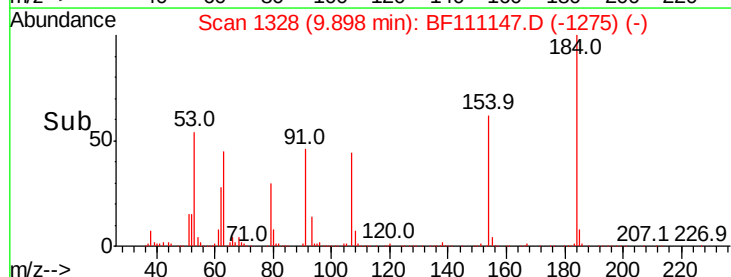
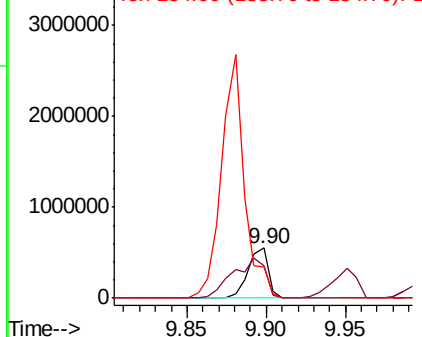


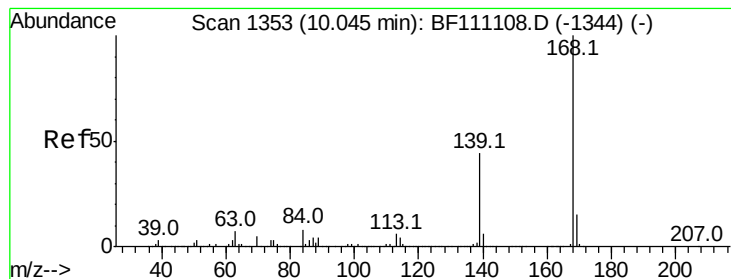
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 46.038 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:168 Resp: 3601361

Ion Ratio Lower Upper

168 100

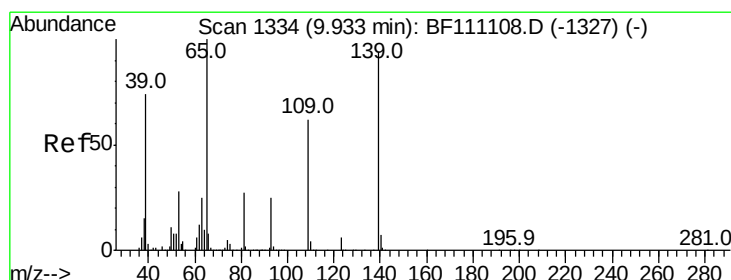
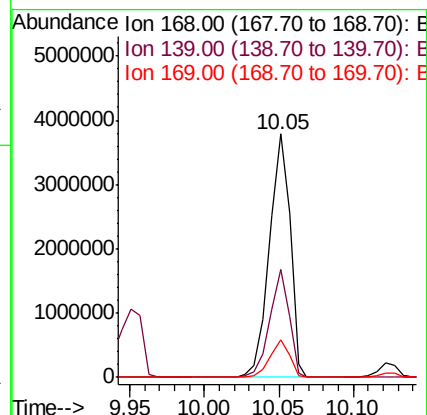
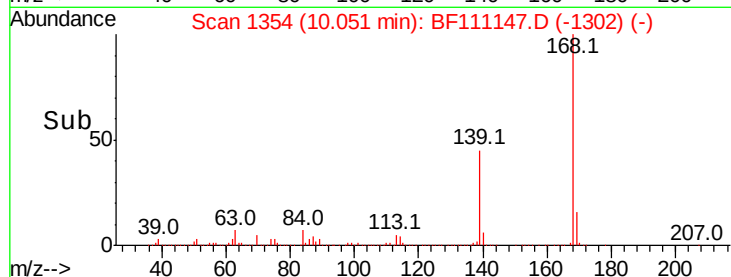
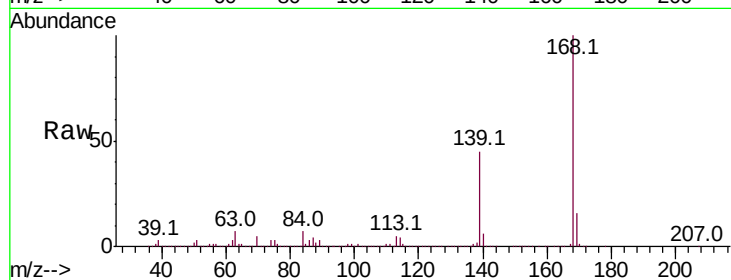
139 44.6 35.1 52.7

169 15.6 12.2 18.4

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12/10/2018 12:19:04 PM



#56

4-Nitrophenol

Concen: 91.923 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.02 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

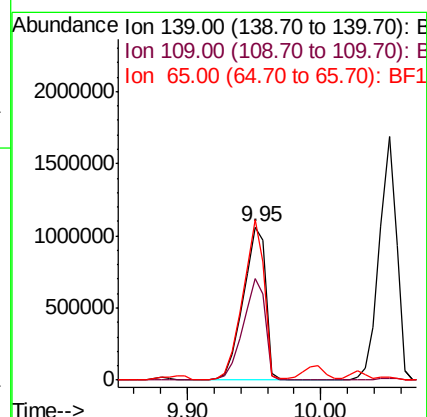
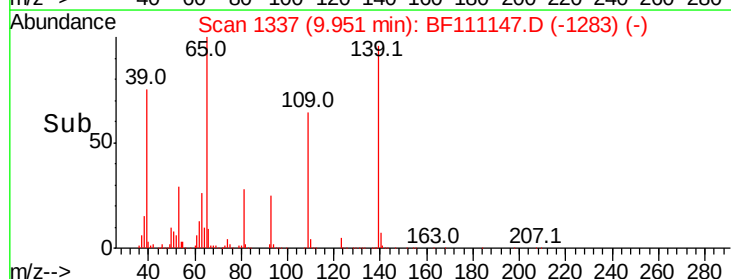
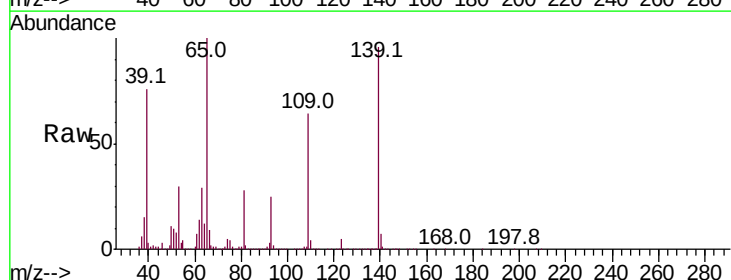
Tgt Ion:139 Resp: 1241294

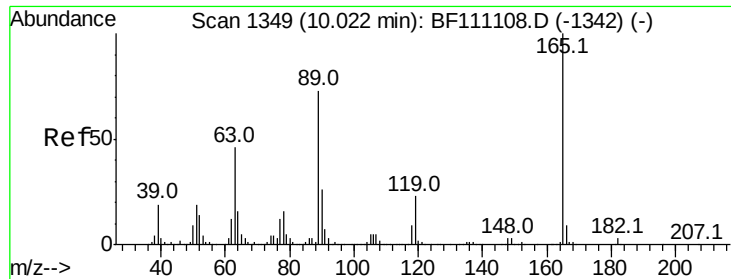
Ion Ratio Lower Upper

139 100

109 66.5 46.1 86.1

65 104.5 87.0 127.0





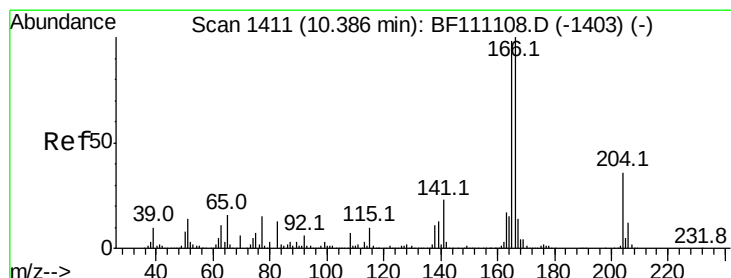
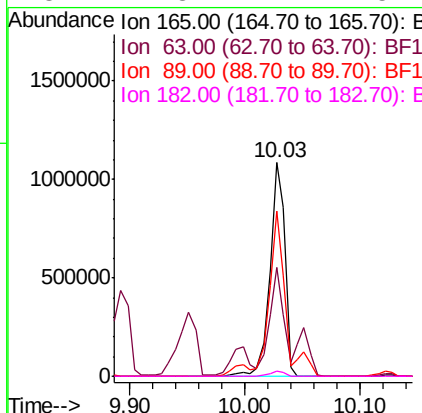
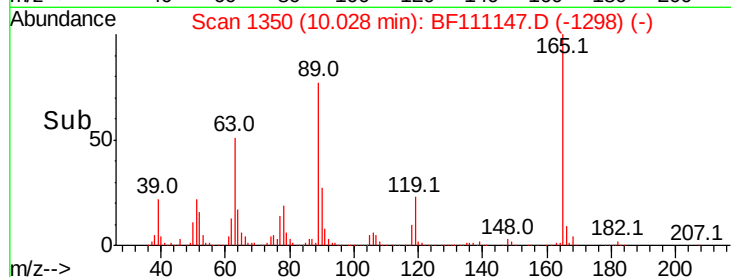
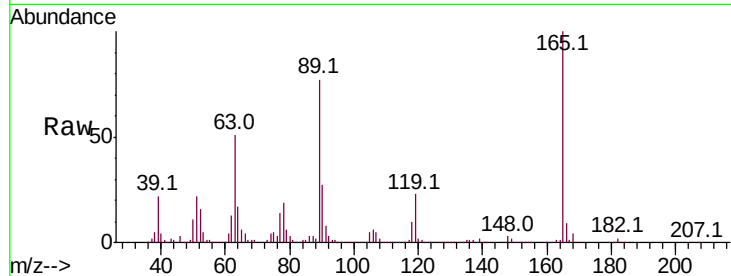
#57
2,4-Dinitrotoluene
Concen: 53.699 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	51.2	36.7	55.1	
89	77.4	58.4	87.6	
182	2.3	2.1	3.1	

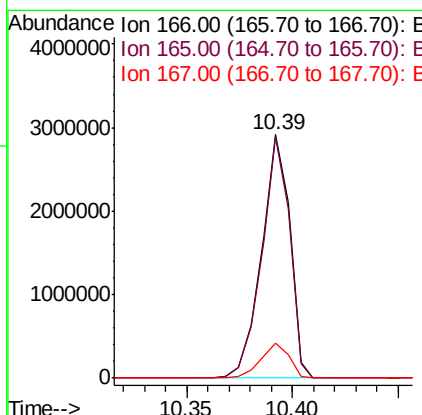
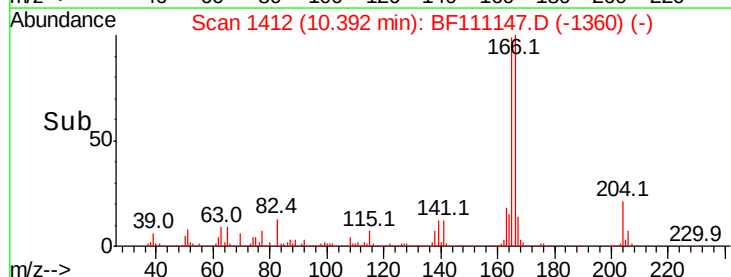
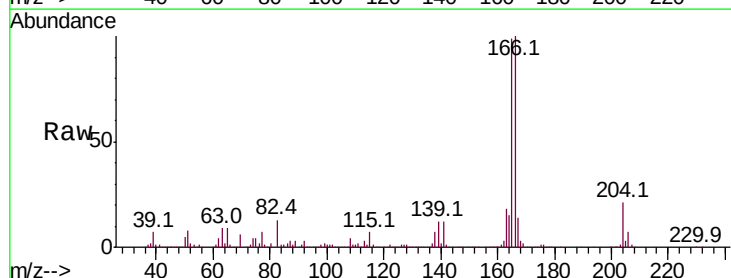
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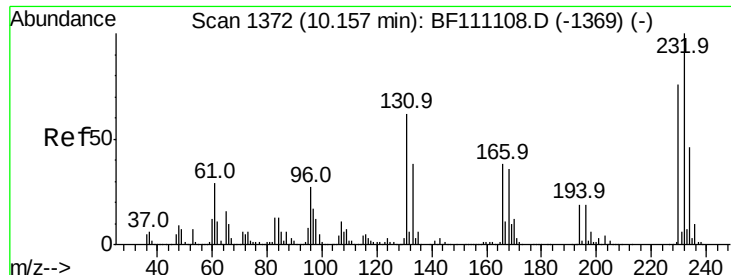
mohammad
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#58
Fluorene
Concen: 49.228 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.8	78.4	117.6	
167	14.5	11.4	17.2	





#59

2,3,4,6-Tetrachlorophenol

Concen: 51.370 ng m

RT: 10.17 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:232 Resp: 731445

Ion Ratio Lower Upper

232 100

131 46.4 40.4 60.6

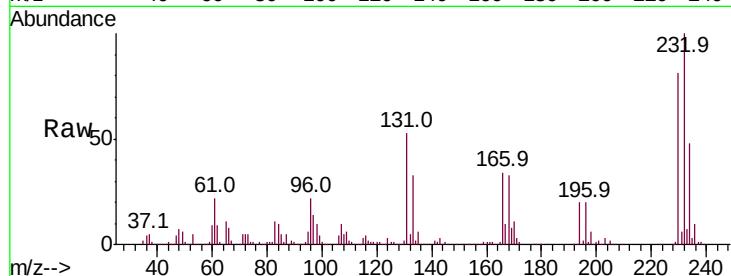
130 2.6 2.1 3.1

166 27.8 23.0 34.6

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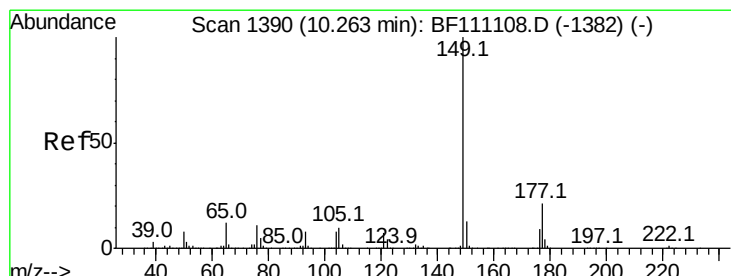
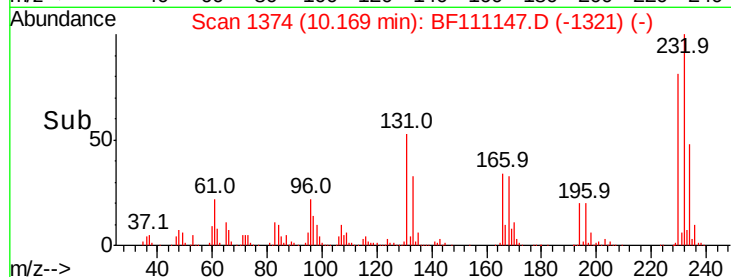
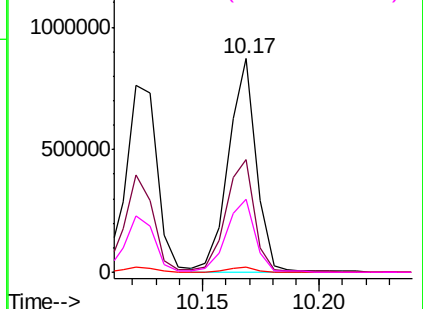


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 46.201 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

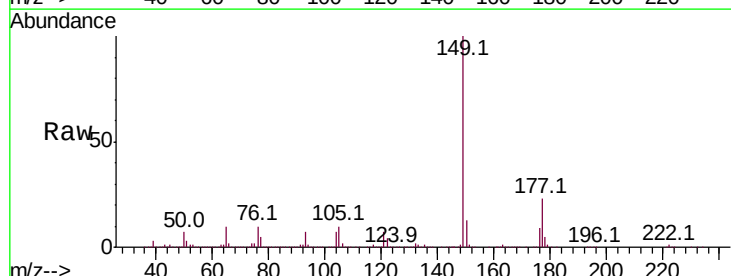
Tgt Ion:149 Resp: 3106713

Ion Ratio Lower Upper

149 100

177 22.8 17.0 25.6

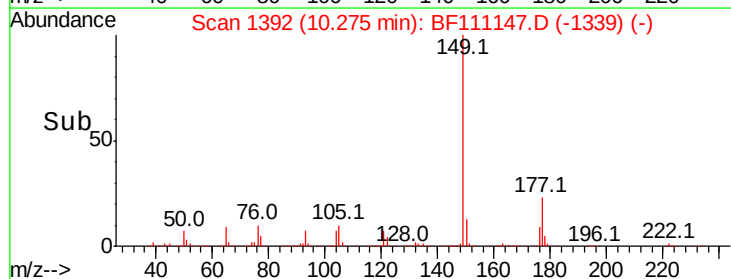
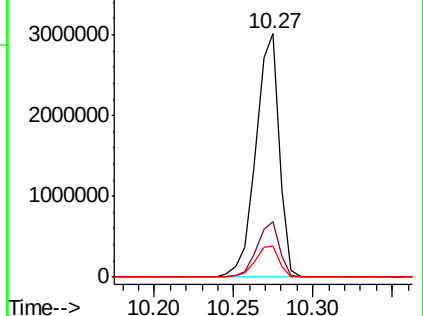
150 12.7 10.5 15.7

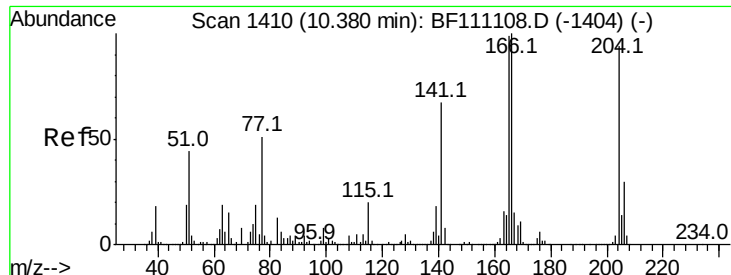


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





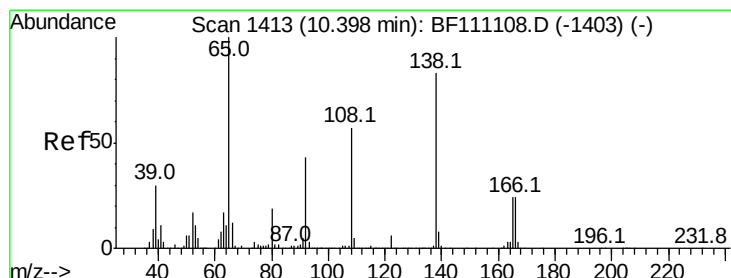
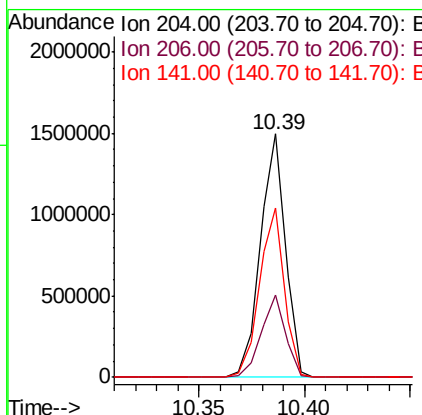
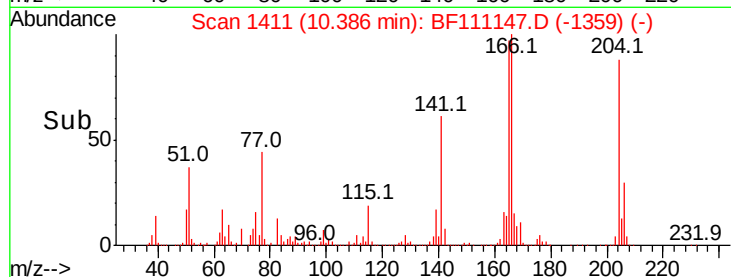
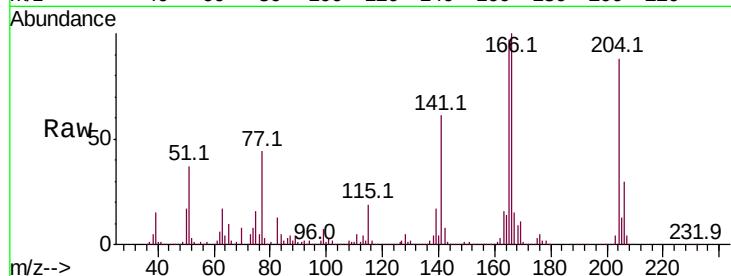
#61
 4-Chlorophenyl-phenylether
 Concen: 45.525 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

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

Tot Ion:	204	Resp:	1237612
Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.9	38.9
141	69.5	57.4	86.0

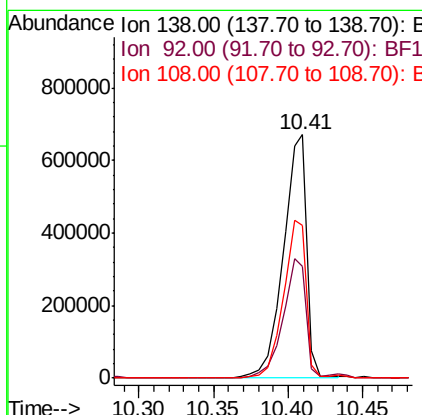
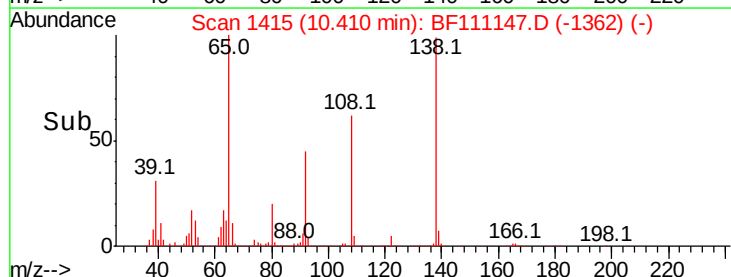
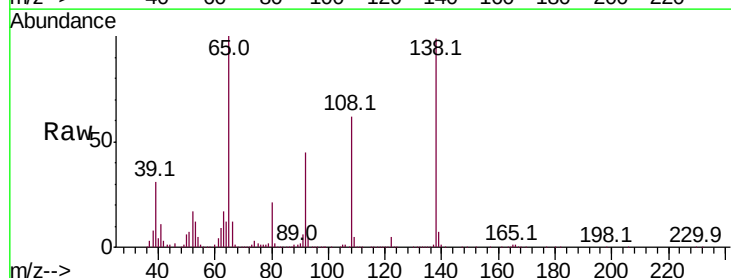
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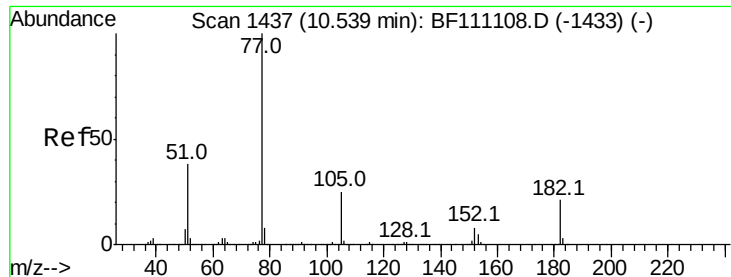
mohammad
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#62
 4-Nitroaniline
 Concen: 45.638 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:	138	Resp:	738106
Ion	Ratio	Lower	Upper
138	100		
92	46.1	31.6	71.6
108	62.6	48.3	88.3





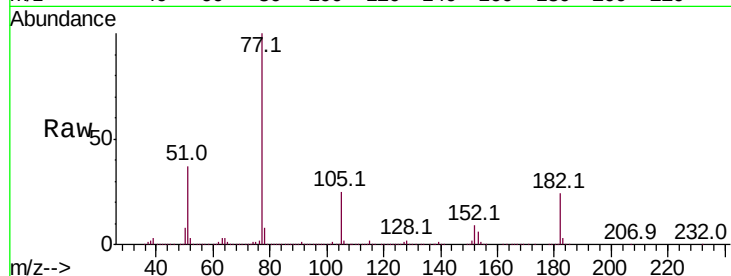
#63
Azobenzene
Concen: 43.966 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

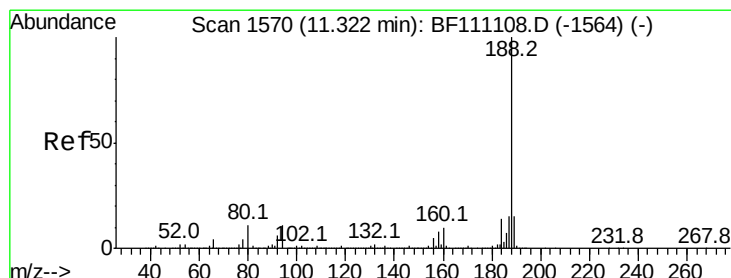
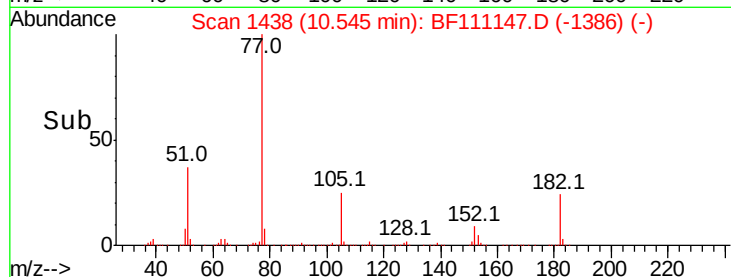
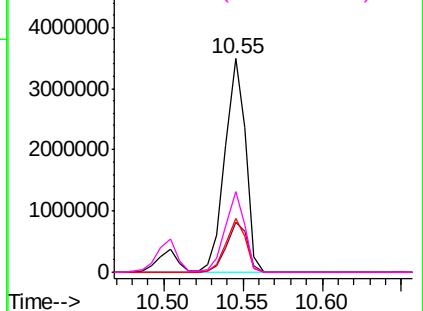
Tot Ion: 77 Resp: 3147586
Ion Ratio Lower Upper
77 100
182 23.6 1.4 41.4
105 25.2 4.7 44.7
51 37.5 18.0 58.0

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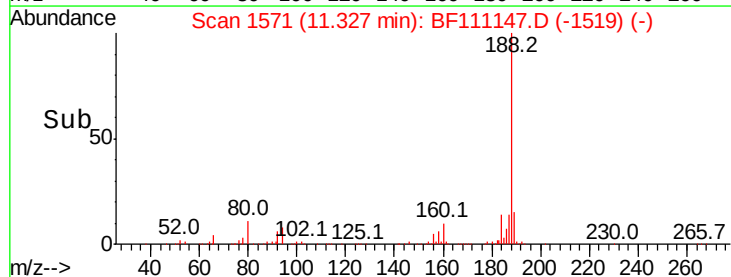
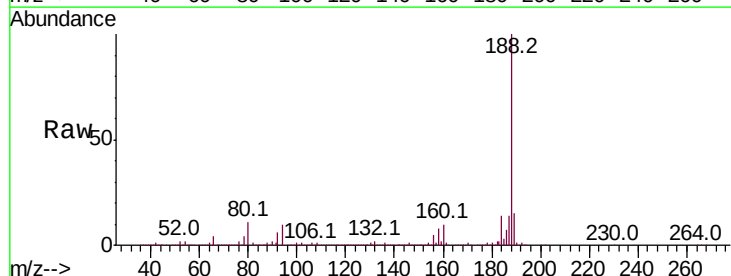
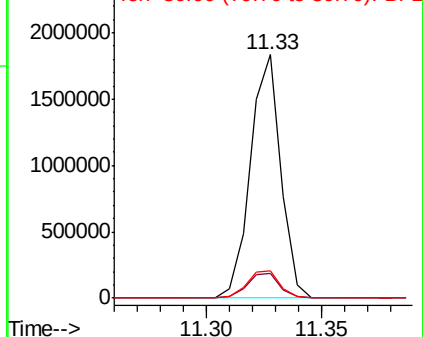
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

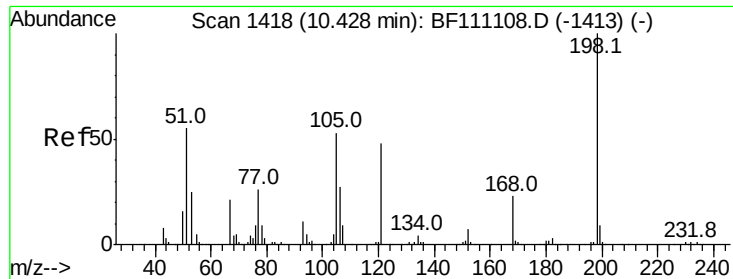


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 188 Resp: 1684018
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.2 9.0 13.6

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





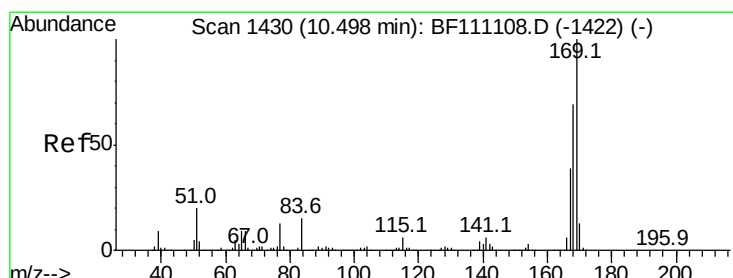
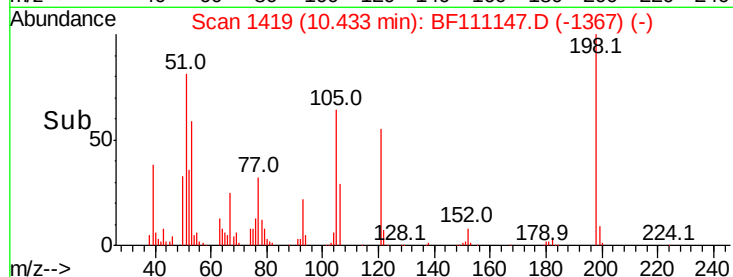
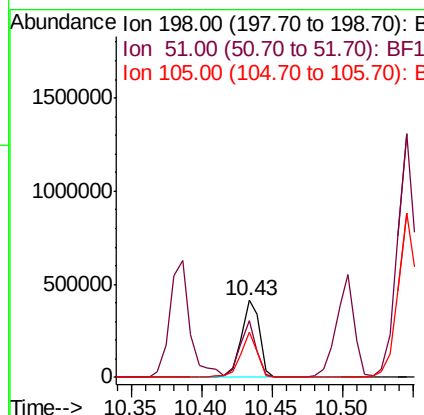
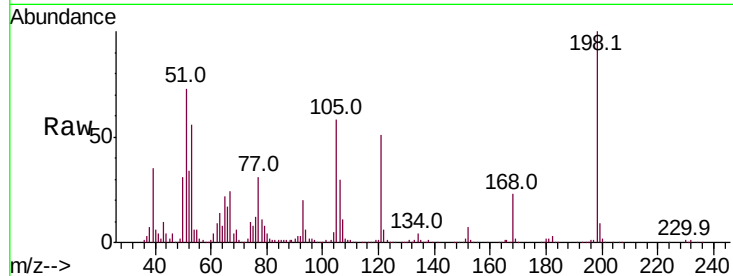
#65
4,6-Dinitro-2-methylphenol
Concen: 53.091 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	73.5	48.8	88.8
105	57.8	35.2	75.2

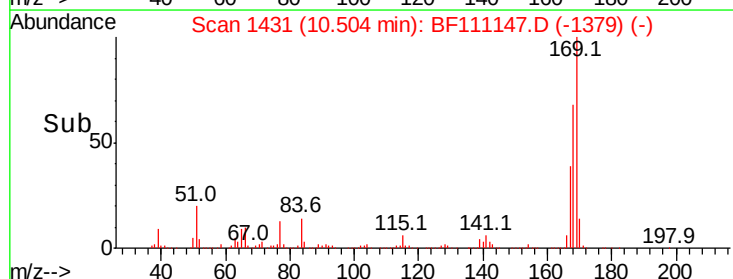
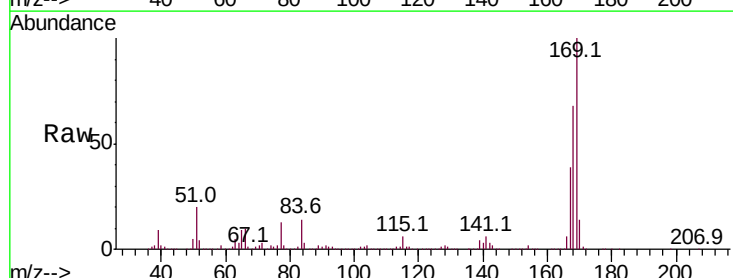
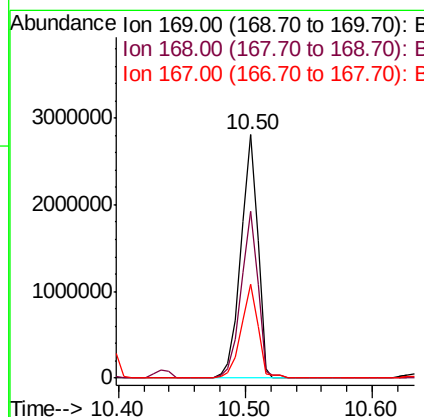
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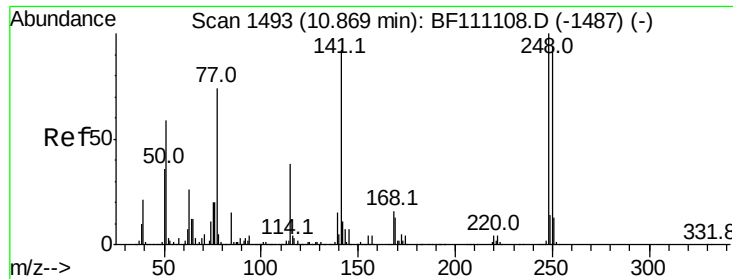
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 43.259 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.3	55.4	83.2
167	38.6	31.1	46.7





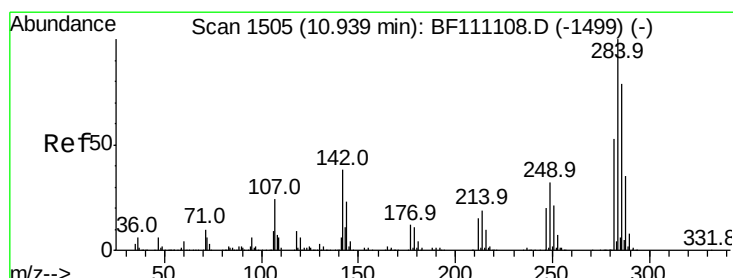
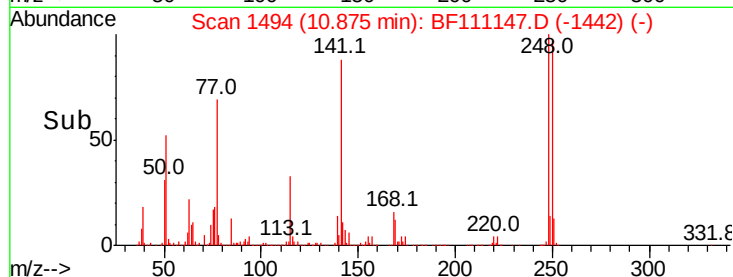
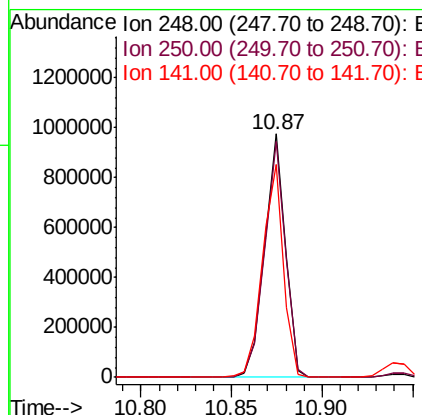
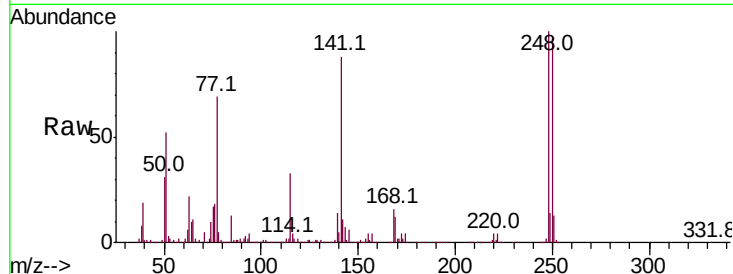
#67
4-Bromophenyl-phenylether
Concen: 44.031 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	75.4	113.0
141	87.6	73.8	110.6

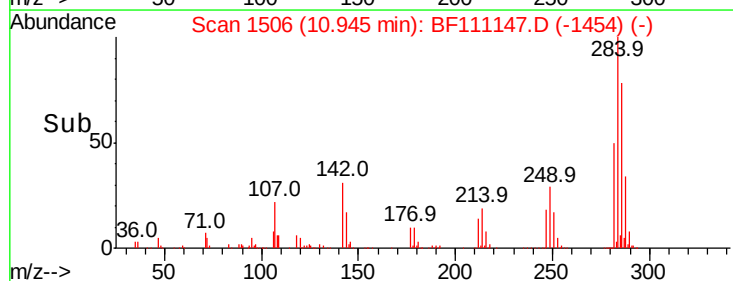
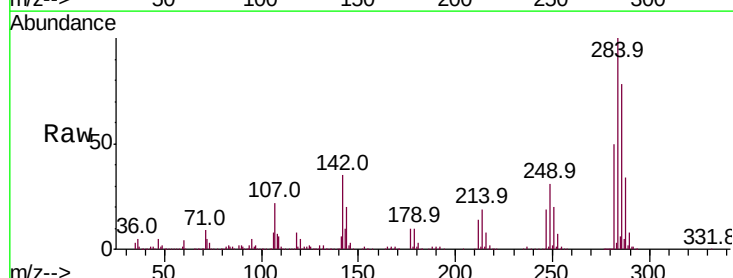
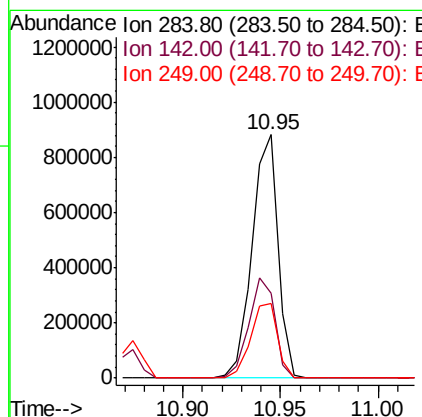
Manual Integrations
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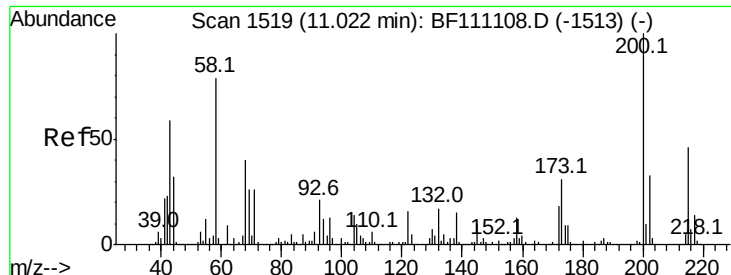
mohammad
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#68
Hexachlorobenzene
Concen: 44.459 ng
RT: 10.95 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.1	30.2	45.2
249	30.6	25.3	37.9





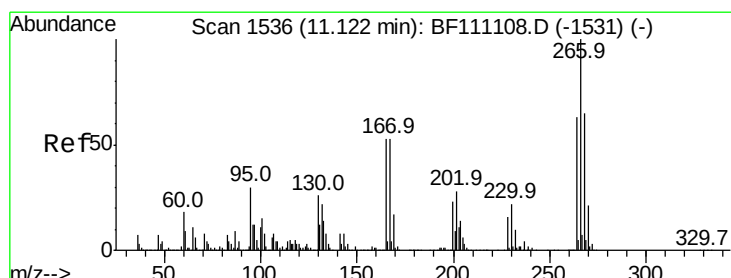
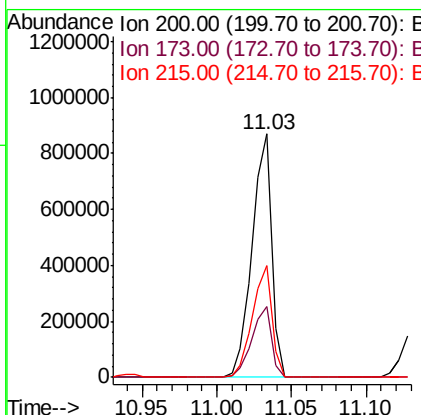
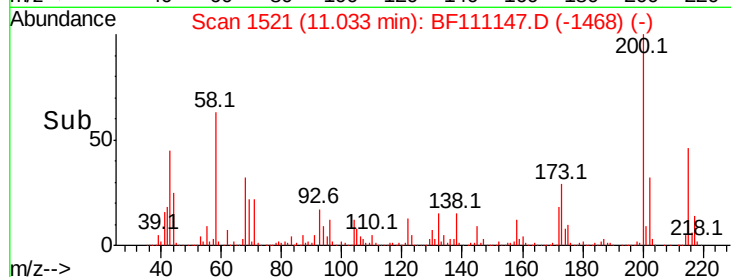
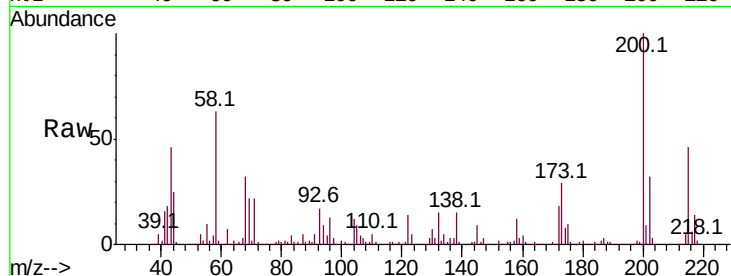
#69
Atrazine
Concen: Below Cal
RT: 11.03 min Scan# 1521
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.0	11.3	51.3
215	45.7	25.9	65.9

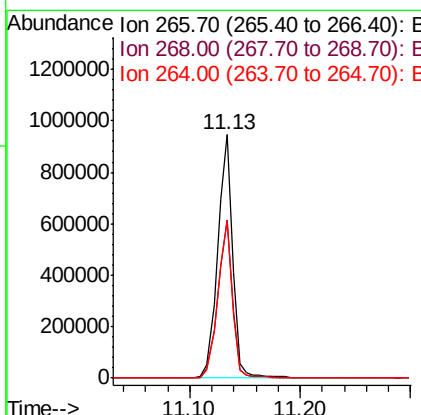
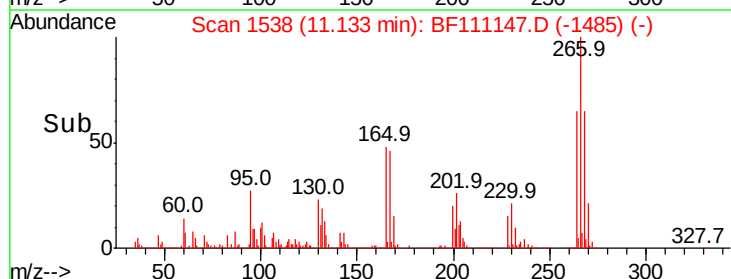
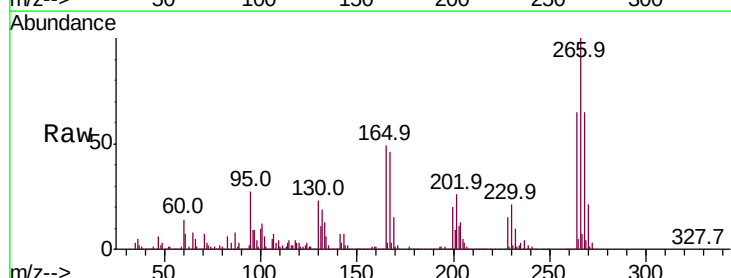
Manual Integrations
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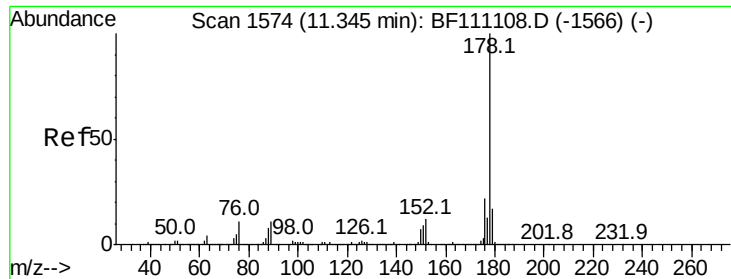
mohammad
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#70
Pentachlorophenol
Concen: 74.677 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	52.2	78.4
264	65.0	50.8	76.2





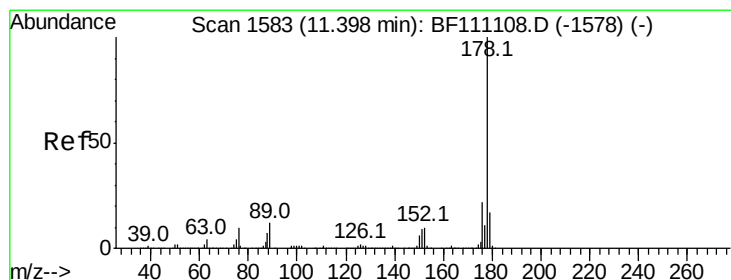
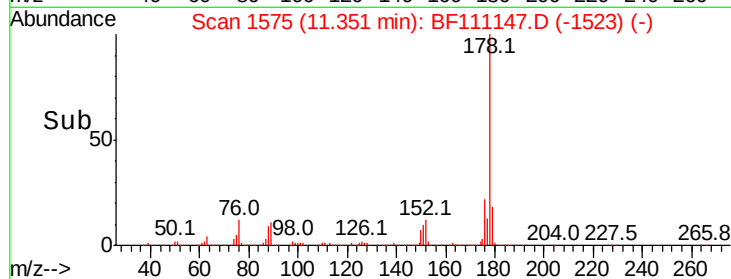
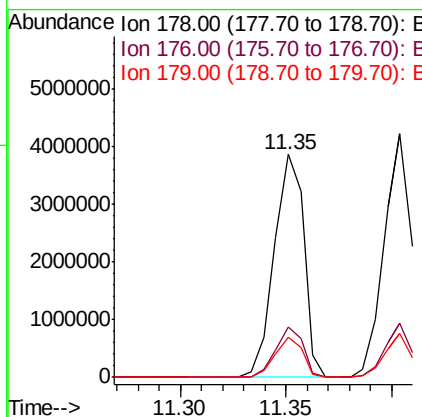
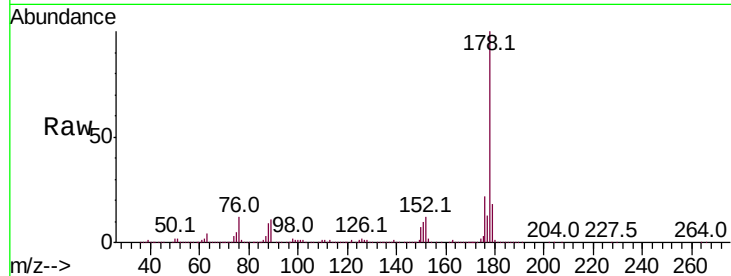
#71
Phenanthrene
Concen: 46.777 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion:178 Resp: 3789114
Ion Ratio Lower Upper
178 100
176 22.5 17.7 26.5
179 17.7 14.0 21.0

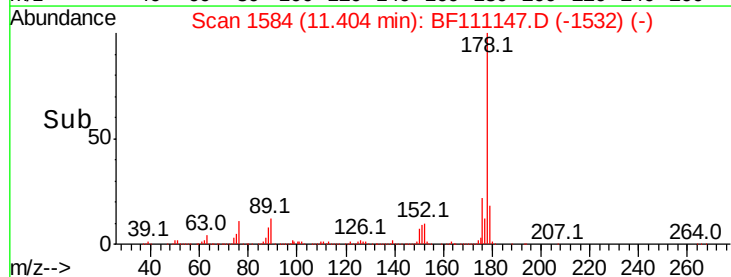
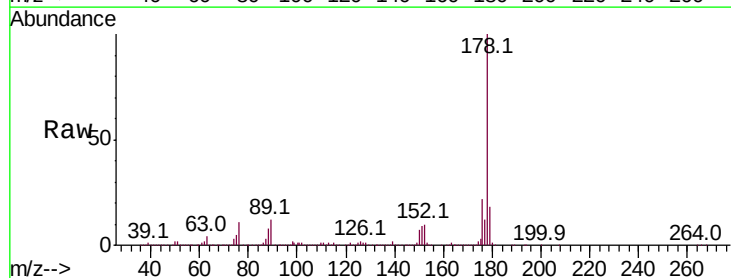
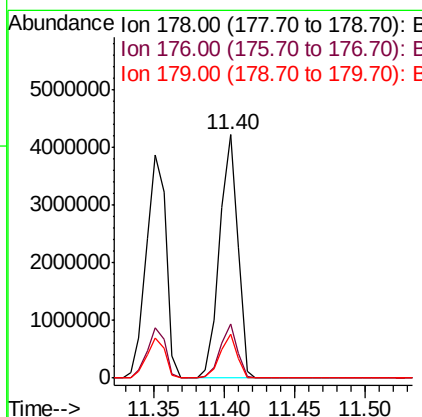
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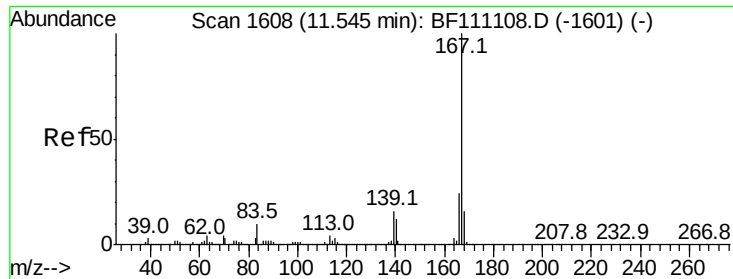
mohammad
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#72
Anthracene
Concen: 46.609 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:178 Resp: 3805700
Ion Ratio Lower Upper
178 100
176 22.5 17.3 25.9
179 18.2 13.8 20.8





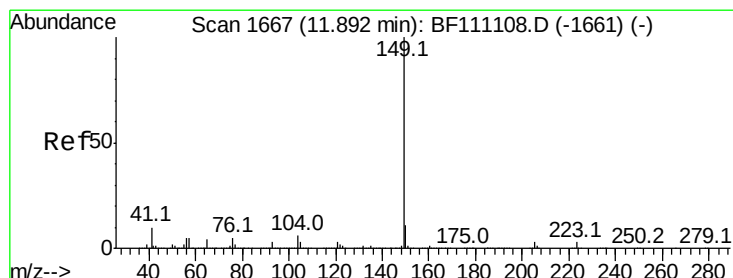
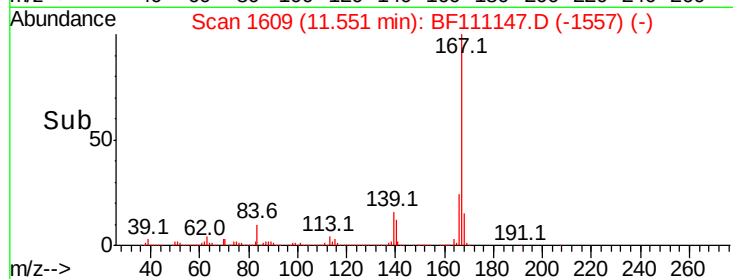
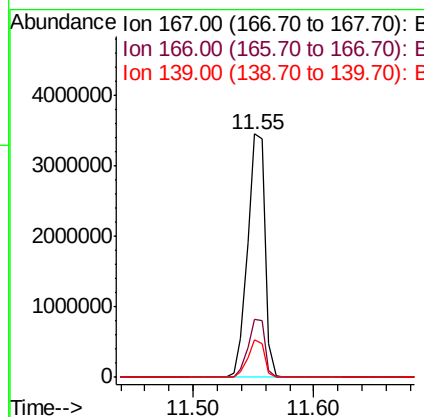
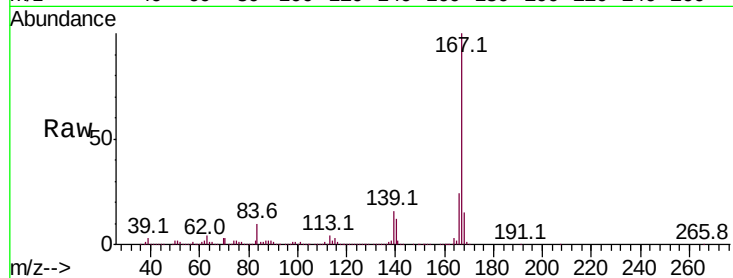
#73
 Carbazole
 Concen: 41.283 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.4	29.0
139	15.6	12.6	18.8

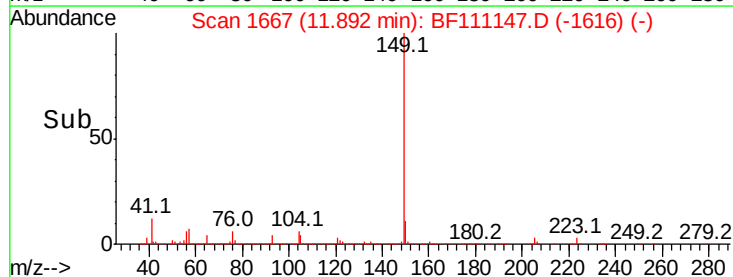
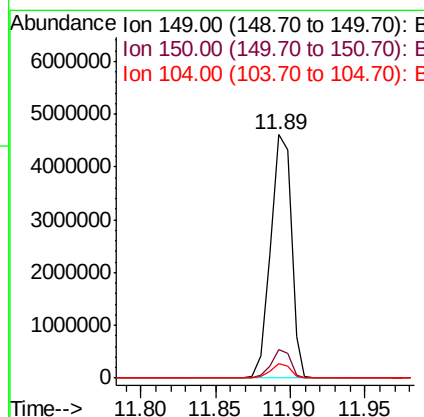
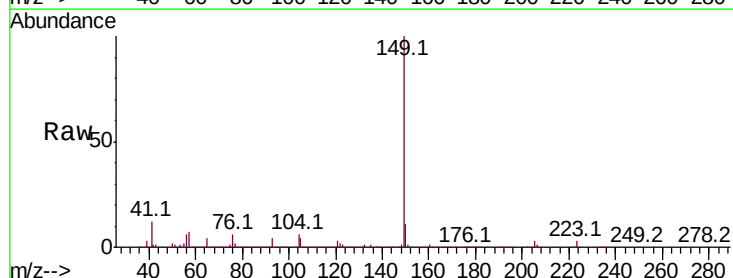
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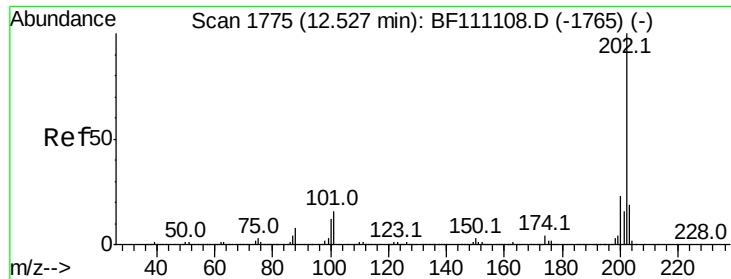
mohammad
 12/10/2018 12:19:04 PM



#74
 Di-n-butylphthalate
 Concen: 44.538 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.5	8.6	12.8
104	6.2	4.5	6.7





#75

Fluoranthene

Concen: 44.192 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

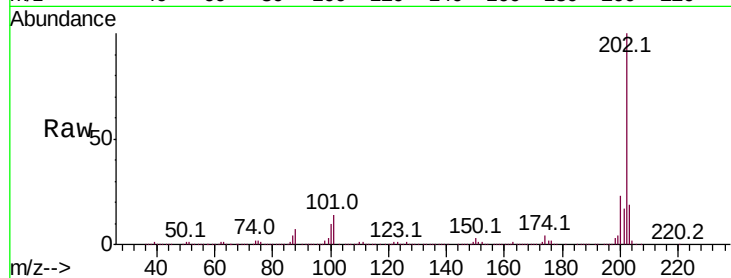
ClientSampleId :

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

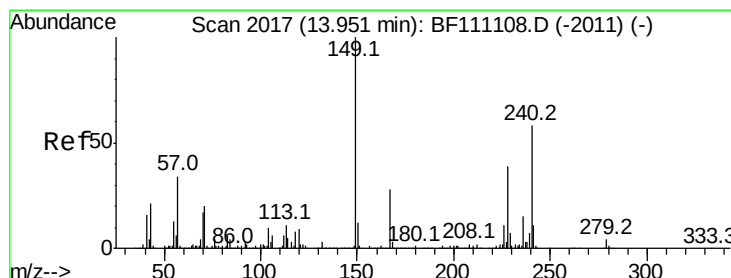
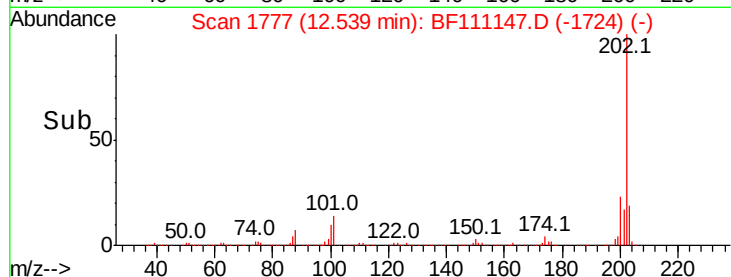
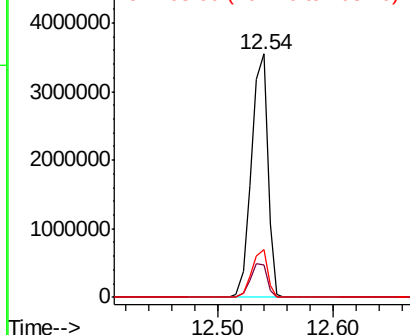
Tot Ion:	202	Resp:	3502903
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	35.8
203	19.4	0.0	38.6

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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

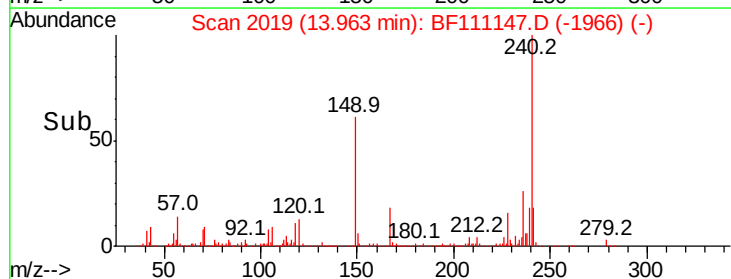
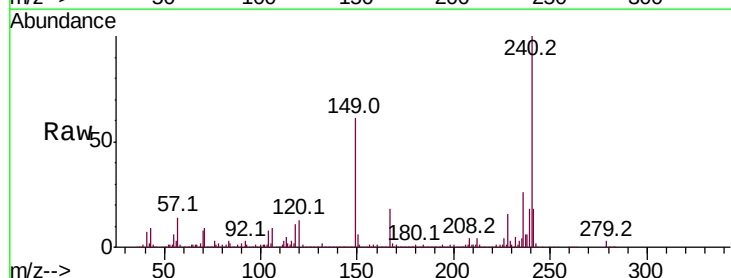
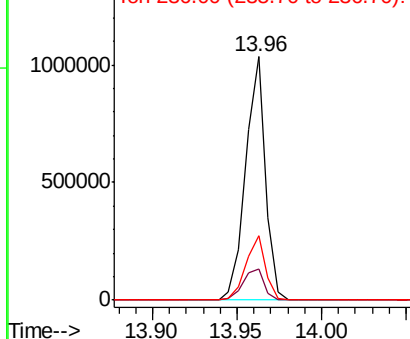
Delta R.T. 0.01 min

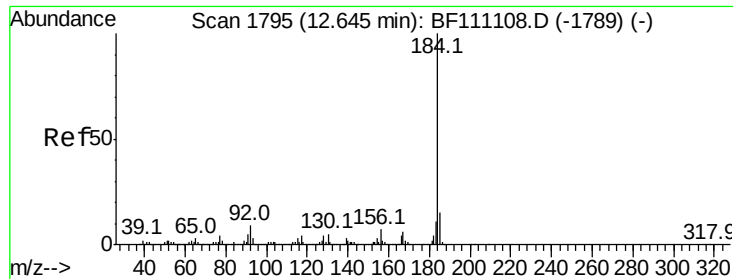
Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:	240	Resp:	850603
Ion	Ratio	Lower	Upper
240	100		
120	12.7	12.8	19.2#
236	26.3	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: 16.638 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

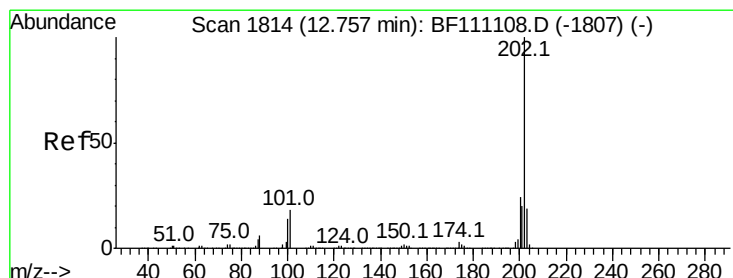
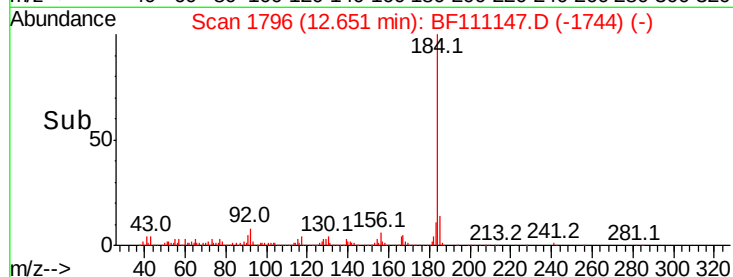
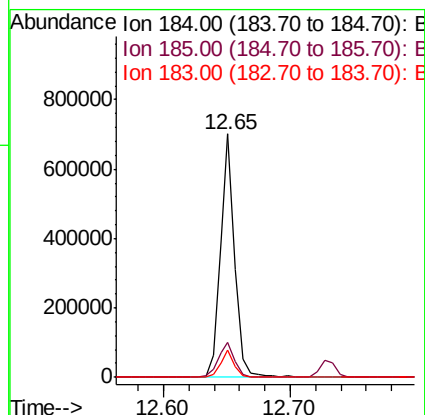
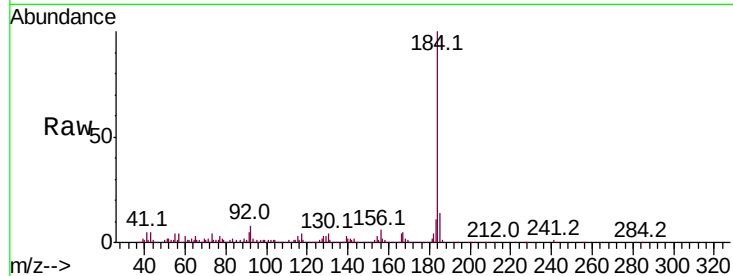
ClientSampleId :

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

Tot Ion:	184	Resp:	556195
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.0	18.0
183	11.4	8.9	13.3

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#78

Pyrene

Concen: 51.512 ng

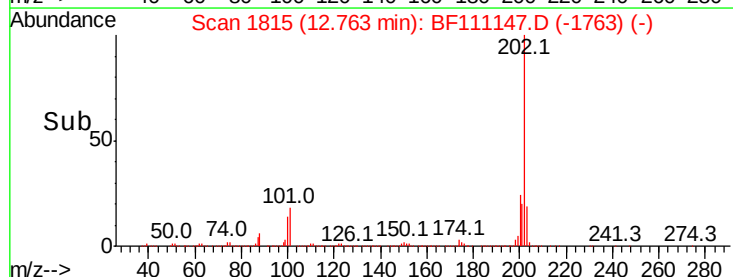
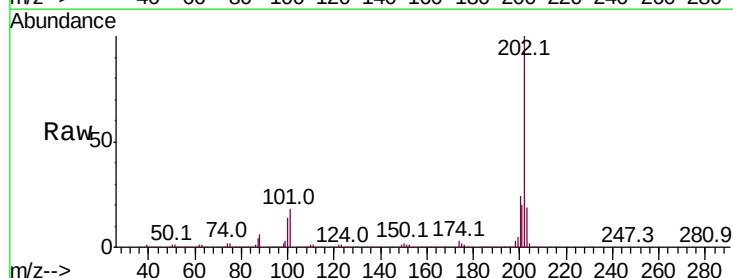
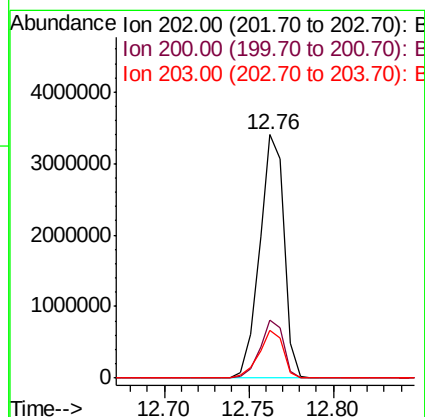
RT: 12.76 min Scan# 1815

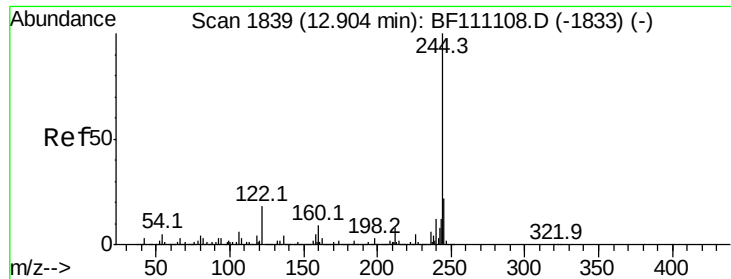
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:	202	Resp:	3413630
Ion Ratio	Lower	Upper	
202	100		
200	23.8	19.3	28.9
203	19.4	15.4	23.2





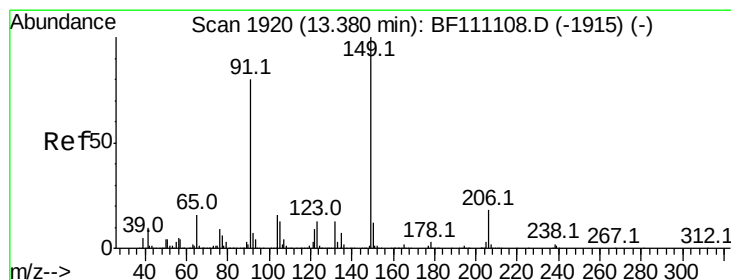
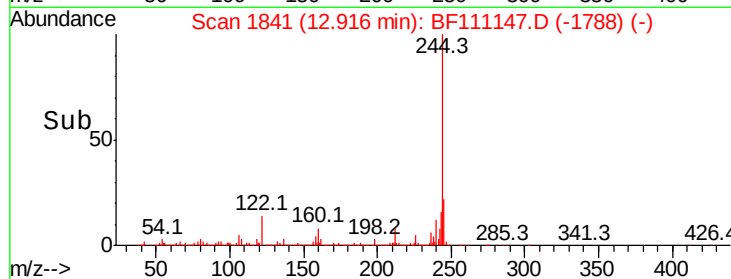
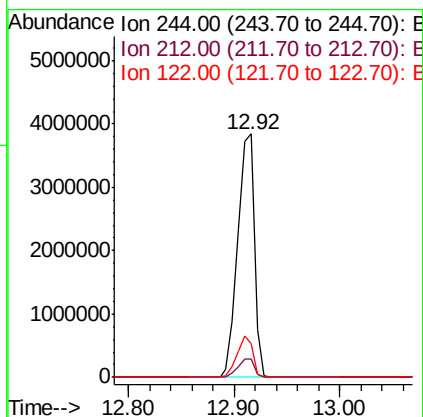
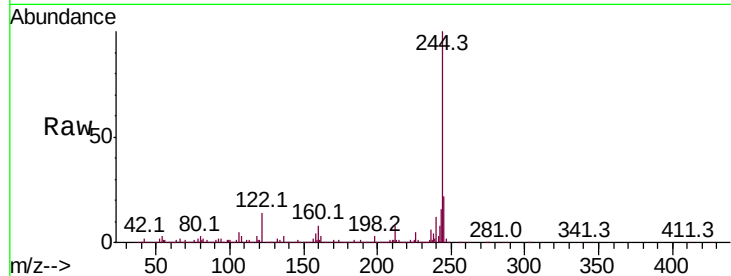
#79
 Terphenyl-d14
 Concen: 99.497 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

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

Tot Ion:244 Resp: 4132449
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.6 9.8
 122 13.9 14.2 21.2#

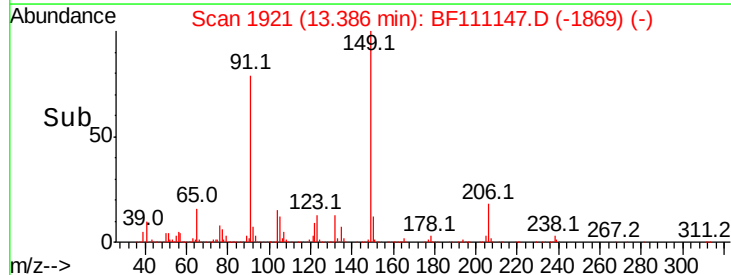
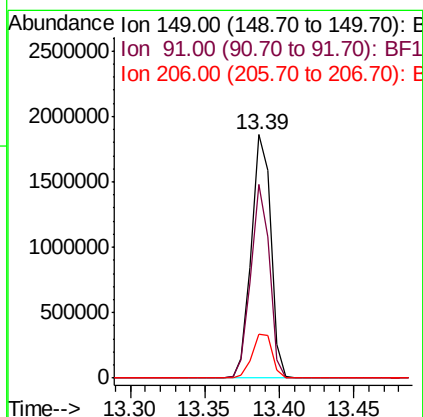
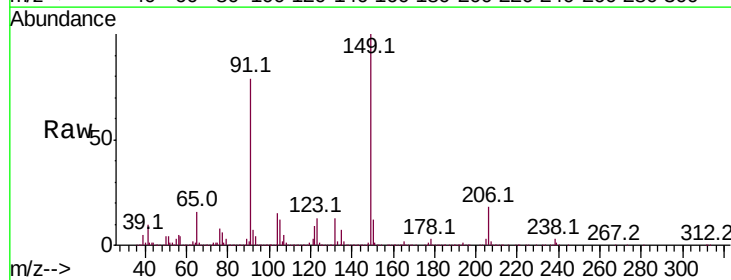
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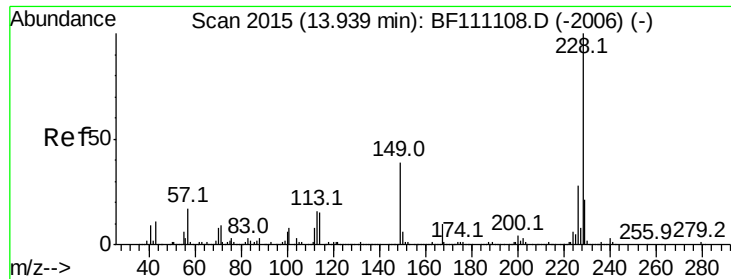
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#80
 Butylbenzylphthalate
 Concen: 52.085 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:149 Resp: 1667413
 Ion Ratio Lower Upper
 149 100
 91 79.4 64.0 96.0
 206 18.1 14.1 21.1





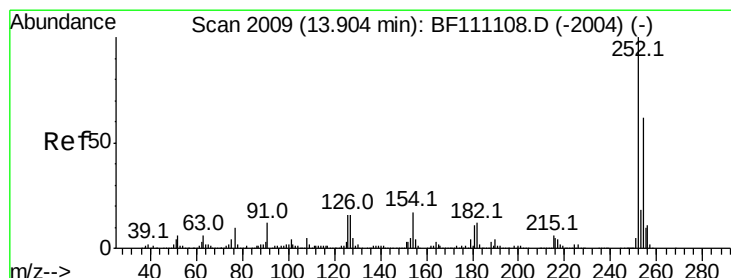
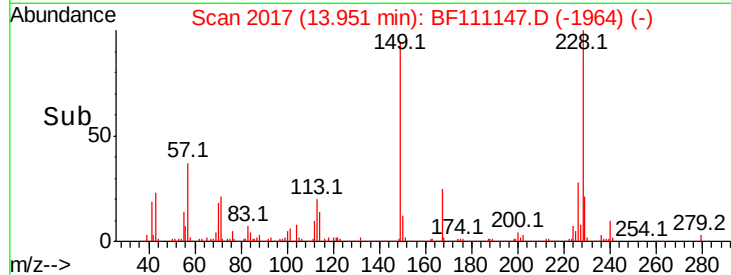
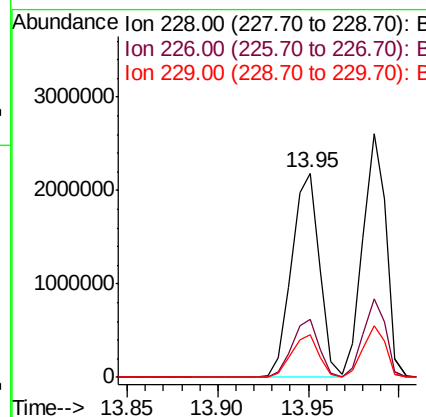
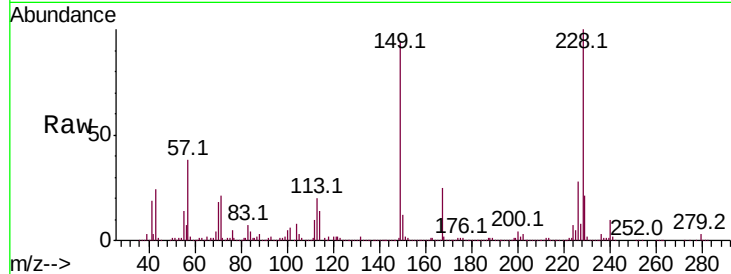
#81
Benzo(a)anthracene
Concen: 47.341 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion:228 Resp: 2359343
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 20.8 16.7 25.1

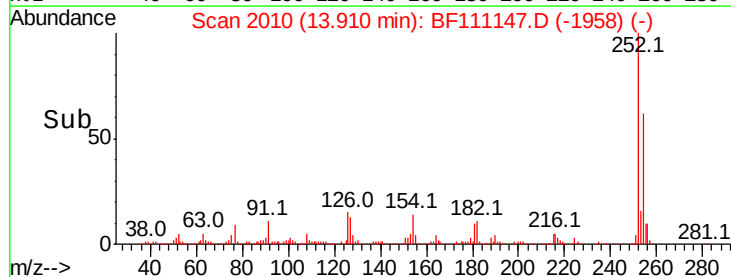
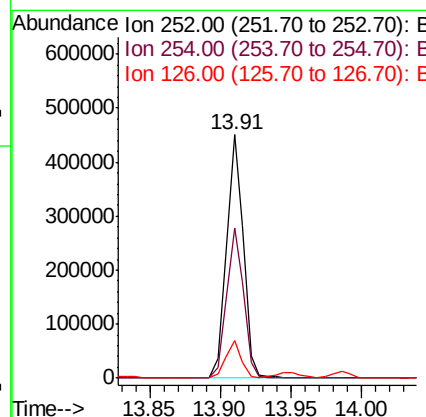
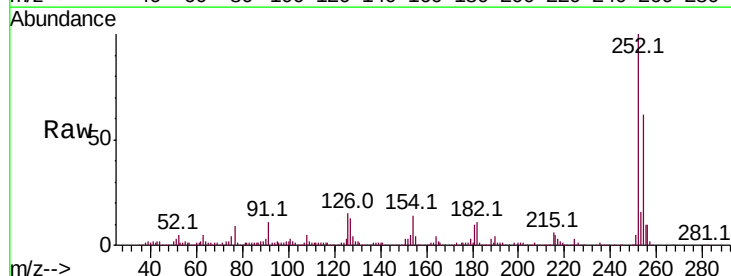
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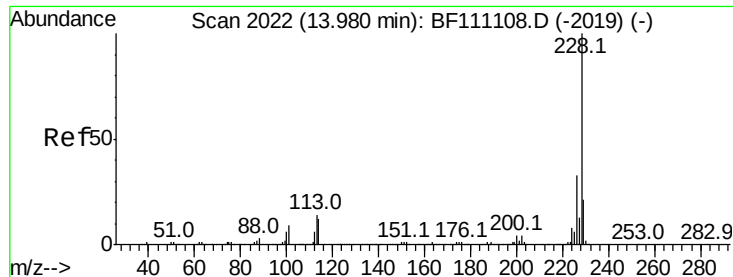
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#82
3,3'-Dichlorobenzidine
Concen: 19.791 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:252 Resp: 372221
Ion Ratio Lower Upper
252 100
254 61.8 49.8 74.8
126 15.3 12.9 19.3





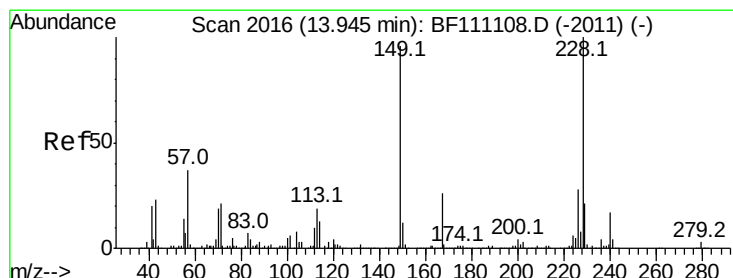
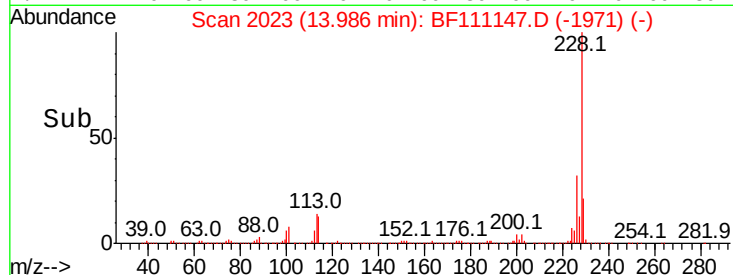
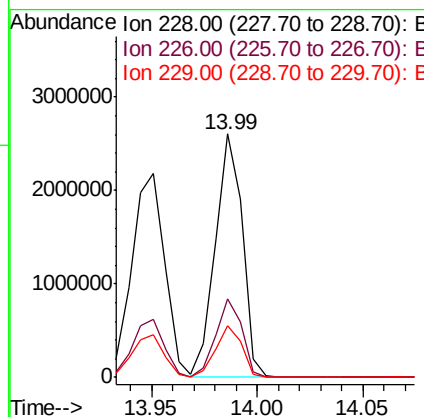
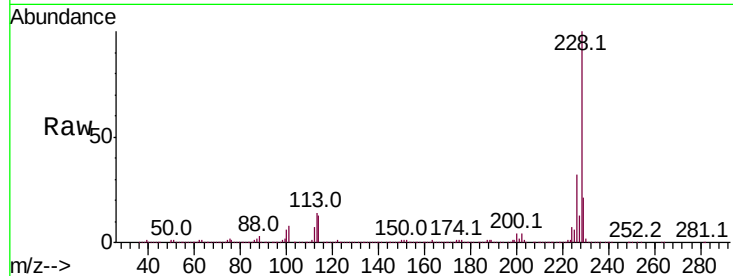
#83
Chrysene
Concen: 46.931 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	26.2	39.2
229	21.1	16.9	25.3

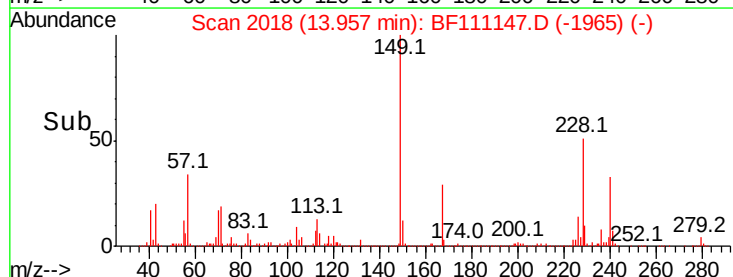
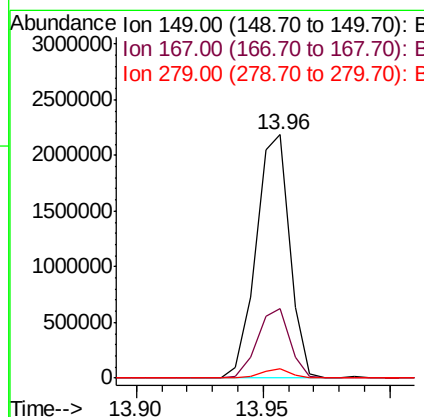
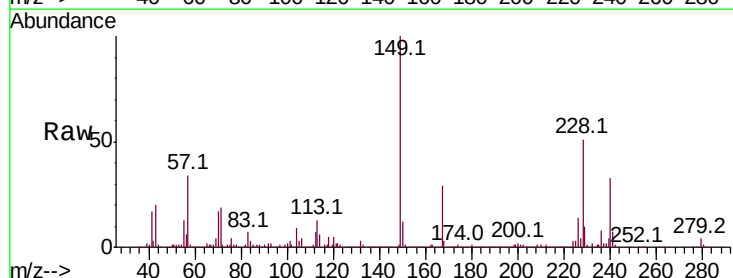
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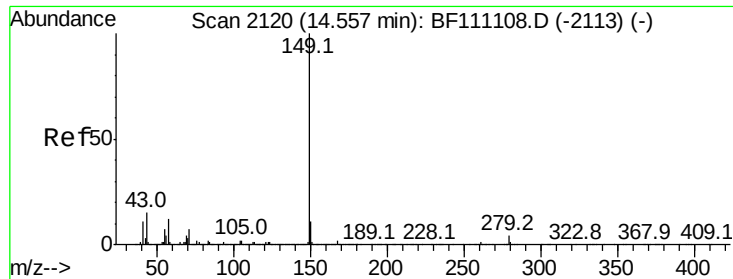
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 52.455 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	21.6	32.4
279	3.6	2.3	3.5#





#85

Di-n-octyl phthalate

Concen: 53.387 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

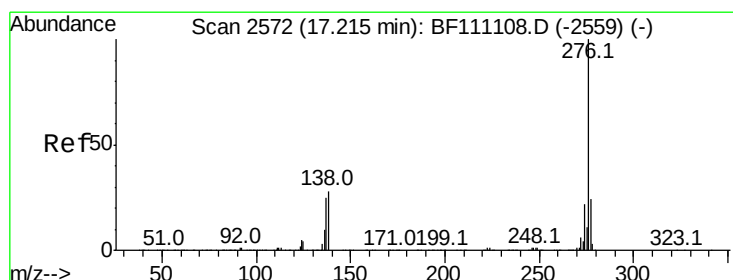
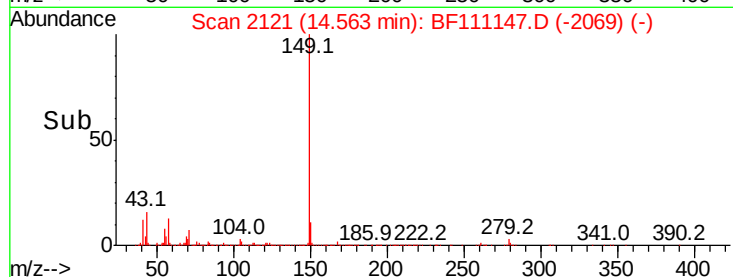
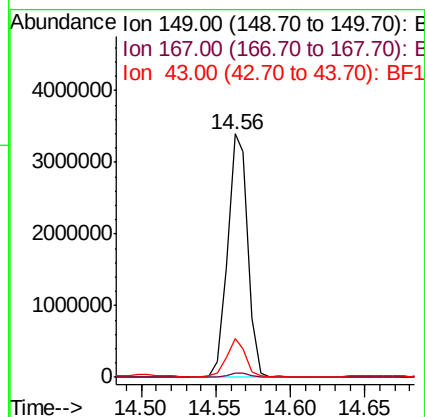
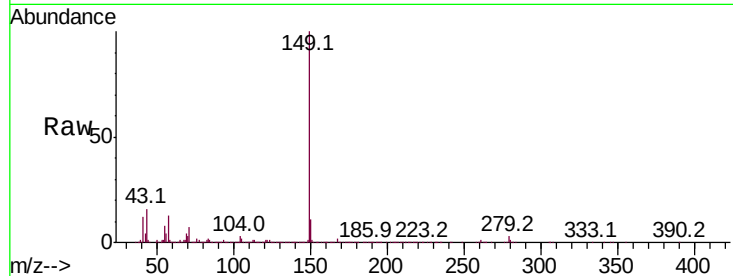
ClientSampleId :

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	14.1	11.9	17.9

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 68.071 ng

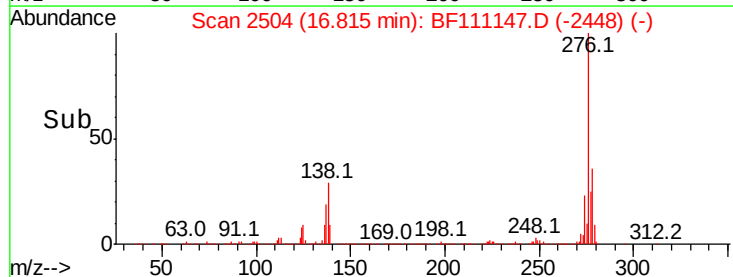
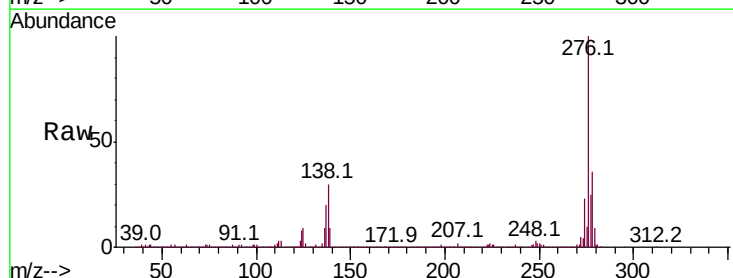
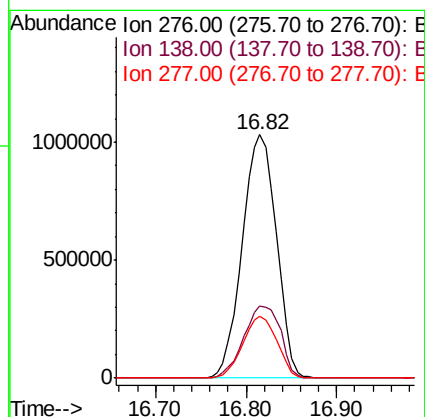
RT: 16.82 min Scan# 2504

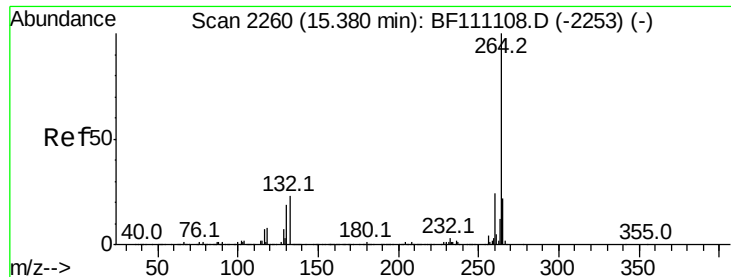
Delta R.T. 0.03 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.0	20.2	30.4#
277	25.4	15.8	23.6#





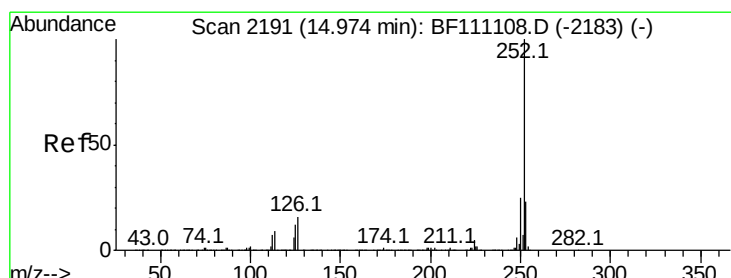
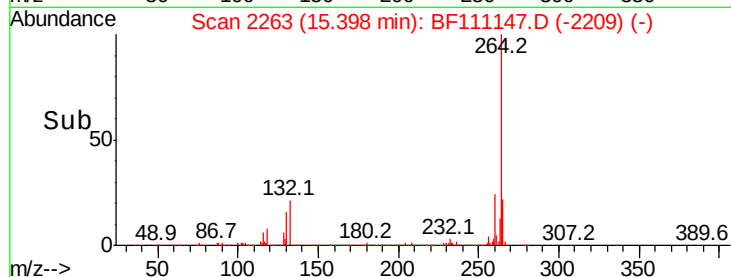
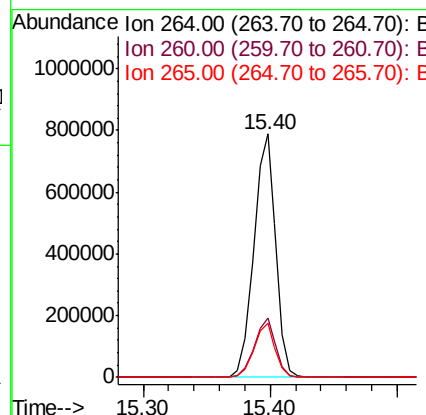
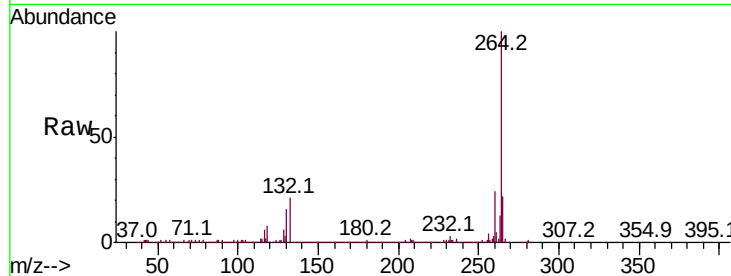
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.3	17.4	26.0

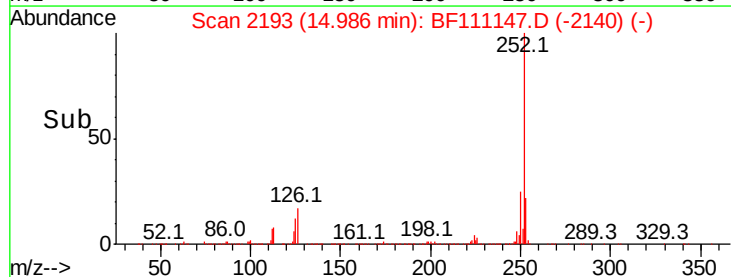
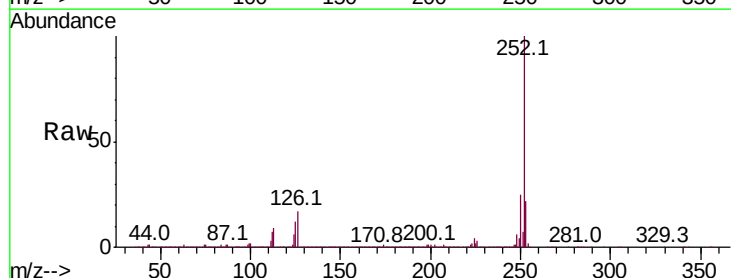
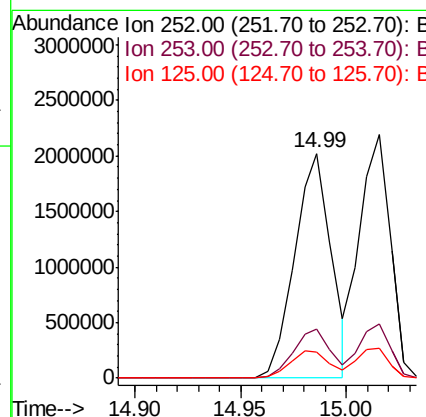
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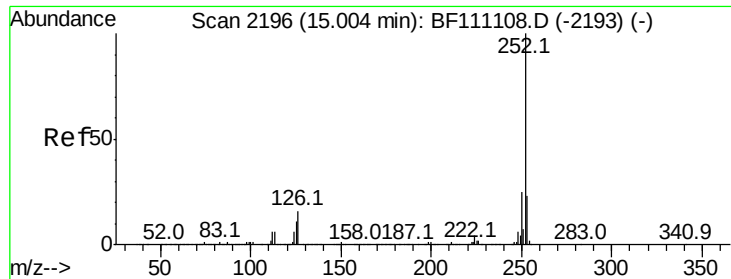
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#88
Benzo(b)fluoranthene
Concen: 45.773 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	11.6	9.9	14.9





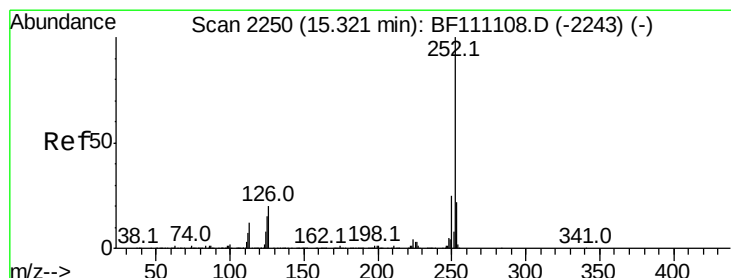
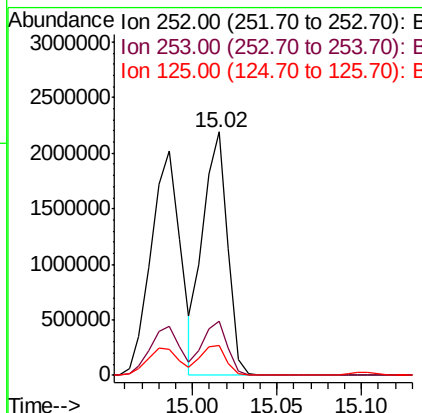
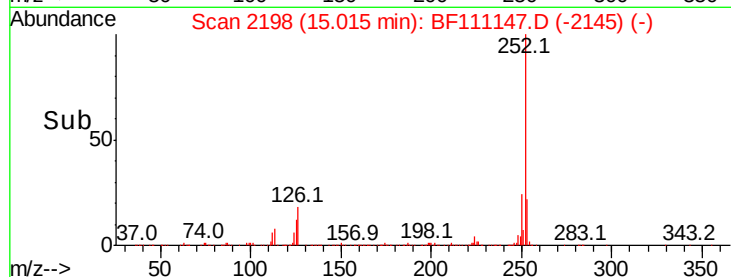
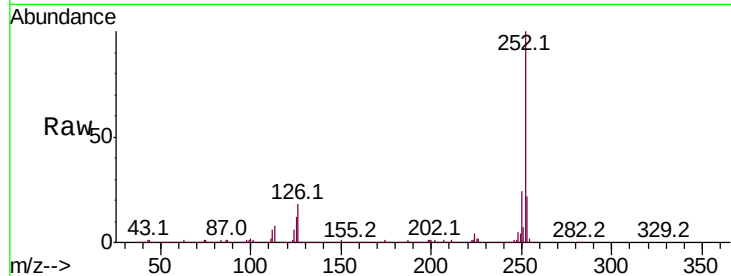
#89
Benzo(k)fluoranthene
Concen: 43.382 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	12.2	9.9	14.9

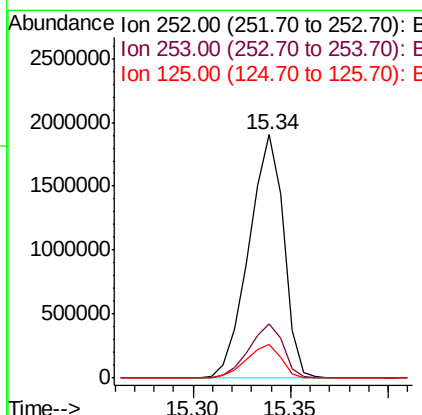
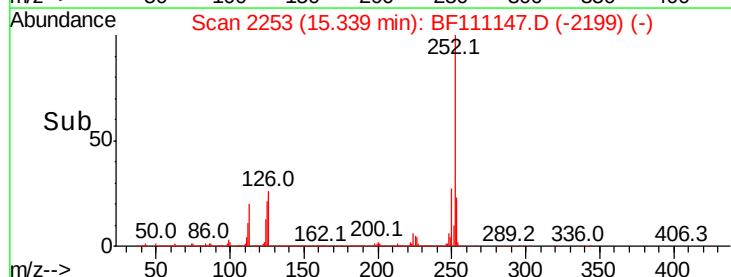
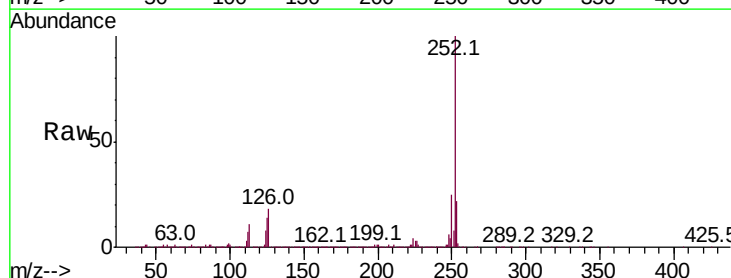
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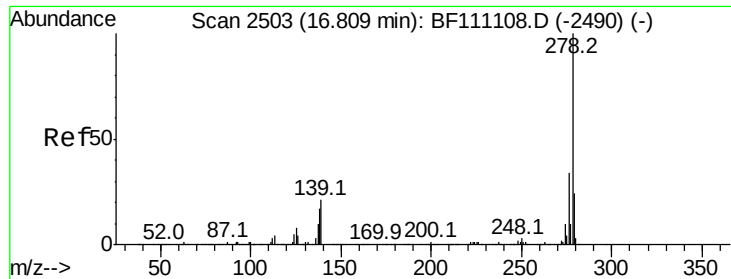
mohammad
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#90
Benzo(a)pyrene
Concen: 48.226 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.8	12.4	18.6





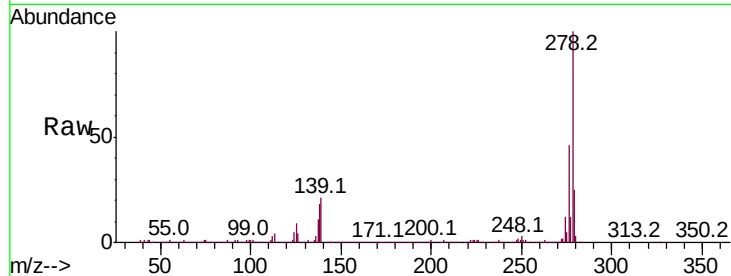
#91
Dibenzo(a,h)anthracene
Concen: 54.700 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.02 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

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

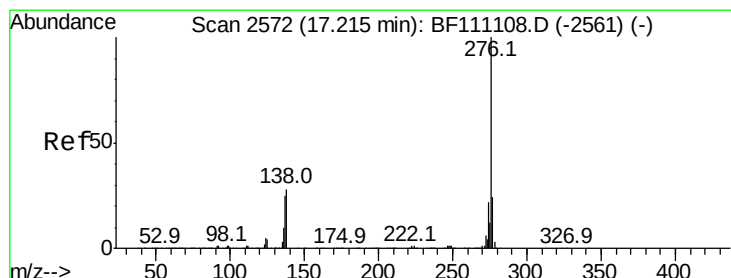
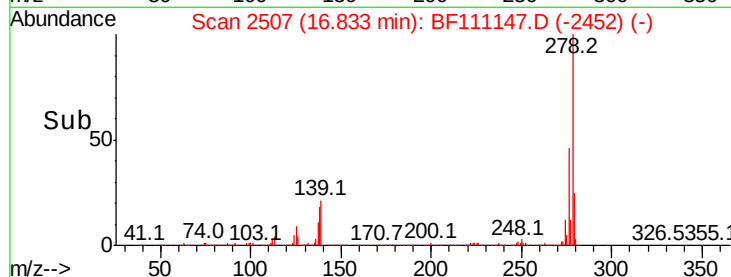
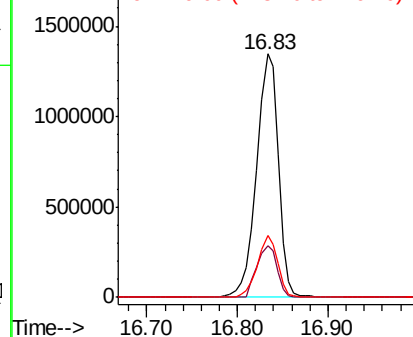
Tot Ion:278 Resp: 2243296
Ion Ratio Lower Upper
278 100
139 21.0 16.6 25.0
279 25.3 18.8 28.2

Manual Integrations
APPROVED

mohammad
12/10/2018 12:19:04 PM

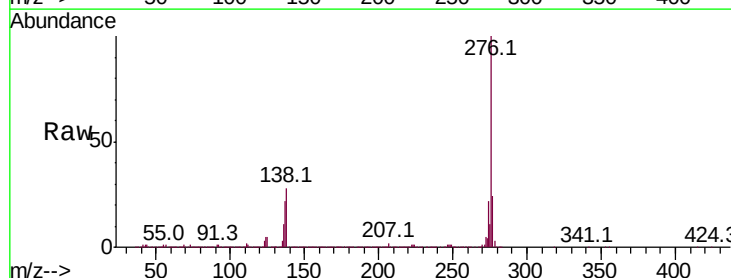


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 54.326 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.03 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:276 Resp: 2238885
Ion Ratio Lower Upper
276 100
277 23.5 19.3 28.9
138 27.7 22.3 33.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

