

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115309.D
 Acq On : 29 Jun 2019 8:48
 Operator : HP/JU
 Sample : PB121004BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Manual Integrations
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 7/1/2019 5:58:45 PM

Quant Time: Jun 30 01:54:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	194873	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	754138	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	366731	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	716820	20.00	ng	0.00
76) Chrysene-d12	13.72	240	513462	20.00	ng	0.00
87) Perylene-d12	15.08	264	623988	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1451849	114.97	ng	0.02
7) Phenol-d6	6.25	99	1747542	114.01	ng	0.01
23) Nitrobenzene-d5	7.17	82	1030569	84.06	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	522515	135.11	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1971058	91.30	ng	0.00
79) Terphenyl-d14	12.68	244	2138277	88.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	238736	40.058	ng	99
3) Pyridine	2.89	79	613373	36.515	ng	99
4) n-Nitrosodimethylamine	2.84	42	245340	37.256	ng	98
6) Aniline	6.26	93	605379	28.738	ng	# 31
8) 2-Chlorophenol	6.38	128	595503	41.938	ng	99
9) Benzaldehyde	6.14	77	341994	34.200	ng	96
10) Phenol	6.26	94	691462	38.513	ng	88
11) bis(2-Chloroethyl)ether	6.34	93	532079	40.203	ng	99
12) 1,3-Dichlorobenzene	6.54	146	649134	41.191	ng	99
13) 1,4-Dichlorobenzene	6.62	146	656834	41.565	ng	99
14) 1,2-Dichlorobenzene	6.77	146	617272	42.180	ng	99
15) Benzyl Alcohol	6.75	79	421959	37.807	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.88	45	744429	38.782	ng	94
17) 2-Methylphenol	6.87	107	492541	42.023	ng	99
18) Hexachloroethane	7.11	117	230867	40.523	ng	99
19) n-Nitroso-di-n-propylamine	7.02	70	372116	37.921	ng	100
20) 3+4-Methylphenols	7.02	107	584163	43.164	ng	# 85
22) Acetophenone	7.01	105	784133	45.418	ng	# 95
24) Nitrobenzene	7.18	77	592998	43.907	ng	96
25) Isophorone	7.42	82	1058728	42.157	ng	99
26) 2-Nitrophenol	7.50	139	331530	49.706	ng	98
27) 2,4-Dimethylphenol	7.55	122	552163	50.562	ng	98
28) bis(2-Chloroethoxy)methane	7.64	93	681748	42.950	ng	99
29) 2,4-Dichlorophenol	7.74	162	508765	45.144	ng	97
30) 1,2,4-Trichlorobenzene	7.82	180	556443	44.700	ng	99
31) Naphthalene	7.90	128	1699129	45.899	ng	99
32) Benzoic acid	7.68	122	357409	45.850	ng	98
33) 4-Chloroaniline	7.95	127	462809	27.355	ng	98
34) Hexachlorobutadiene	8.03	225	296123	43.409	ng	99
35) Caprolactam	8.32	113	167043m	44.087	ng	
36) 4-Chloro-3-methylphenol	8.44	107	511158	44.787	ng	98
37) 2-Methylnaphthalene	8.60	142	1139734	45.662	ng	99
38) 1-Methylnaphthalene	8.69	142	1067057	44.762	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.76	216	485150	46.815	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.75	237	581659	94.656	ng	99
43) 2,4,6-Trichlorophenol	8.87	196	360325	45.037	ng	100
44) 2,4,5-Trichlorophenol	8.91	196	388850	47.195	ng	98
46) 1,1'-Biphenyl	9.06	154	1330854	45.354	ng	99
47) 2-Chloronaphthalene	9.08	162	1062955	44.658	ng	98
48) 2-Nitroaniline	9.17	65	308702	44.486	ng	98
49) Acenaphthylene	9.49	152	1682022	45.356	ng	100
50) Dimethylphthalate	9.37	163	1208727	44.799	ng	99
51) 2,6-Dinitrotoluene	9.42	165	286094	45.929	ng	92
52) Acenaphthene	9.66	154	985959	42.488	ng	100
53) 3-Nitroaniline	9.58	138	225006	29.600	ng	99
54) 2,4-Dinitrophenol	9.69	184	312009	95.750	ng	93
55) Dibenzofuran	9.84	168	1465706	44.007	ng	98
56) 4-Nitrophenol	9.75	139	521475	85.569	ng	93
57) 2,4-Dinitrotoluene	9.82	165	376701	46.835	ng	98
58) Fluorene	10.17	166	1042789	47.372	ng	97
59) 2,3,4,6-Tetrachlorophenol	9.95	232	333519	48.275	ng	97
60) Diethylphthalate	10.06	149	1172649	43.237	ng	100
61) 4-Chlorophenyl-phenylether	10.17	204	505283	48.474	ng	99
62) 4-Nitroaniline	10.19	138	321220	42.122	ng	97
63) Azobenzene	10.33	77	1106715	43.688	ng	99
65) 4,6-Dinitro-2-methylphenol	10.22	198	193268	50.396	ng	89
66) n-Nitrosodiphenylamine	10.29	169	1002976	44.911	ng	100
67) 4-Bromophenyl-phenylether	10.65	248	347849	44.758	ng	99
68) Hexachlorobenzene	10.72	284	387403	45.924	ng	96
69) Atrazine	10.82	200	323796	45.072	ng	99
70) Pentachlorophenol	10.91	266	472149	87.855	ng	99
71) Phenanthrene	11.12	178	1659070	42.987	ng	100
72) Anthracene	11.18	178	1727220	44.335	ng	100
73) Carbazole	11.33	167	1539221	44.245	ng	99
74) Di-n-butylphthalate	11.68	149	1783783	44.372	ng	99
75) Fluoranthene	12.31	202	1731268	44.959	ng	97
77) Benzidine	12.42	184	877353	38.481	ng	99
78) Pyrene	12.53	202	1767928	44.803	ng	99
80) Butylbenzylphthalate	13.16	149	784950	45.076	ng	100
81) Benzo(a)anthracene	13.71	228	1629774	44.236	ng	100
82) 3,3'-Dichlorobenzidine	13.68	252	454960	34.196	ng	98
83) Chrysene	13.75	228	1546849	45.834	ng	100
84) Bis(2-ethylhexyl)phthalate	13.73	149	1045836	45.834	ng	100
85) Di-n-octyl phthalate	14.34	149	1791851	46.738	ng	99
86) Indeno(1,2,3-cd)pyrene	16.36	276	1918647	48.045	ng	99
88) Benzo(b)fluoranthene	14.71	252	1639717	42.114	ng	98
89) Benzo(k)fluoranthene	14.74	252	1602603	45.898	ng	98
90) Benzo(a)pyrene	15.04	252	1605921	45.762	ng	97
91) Dibenzo(a,h)anthracene	16.38	278	1564503	47.755	ng	98
92) Benzo(g,h,i)perylene	16.74	276	1621518	48.902	ng	99

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

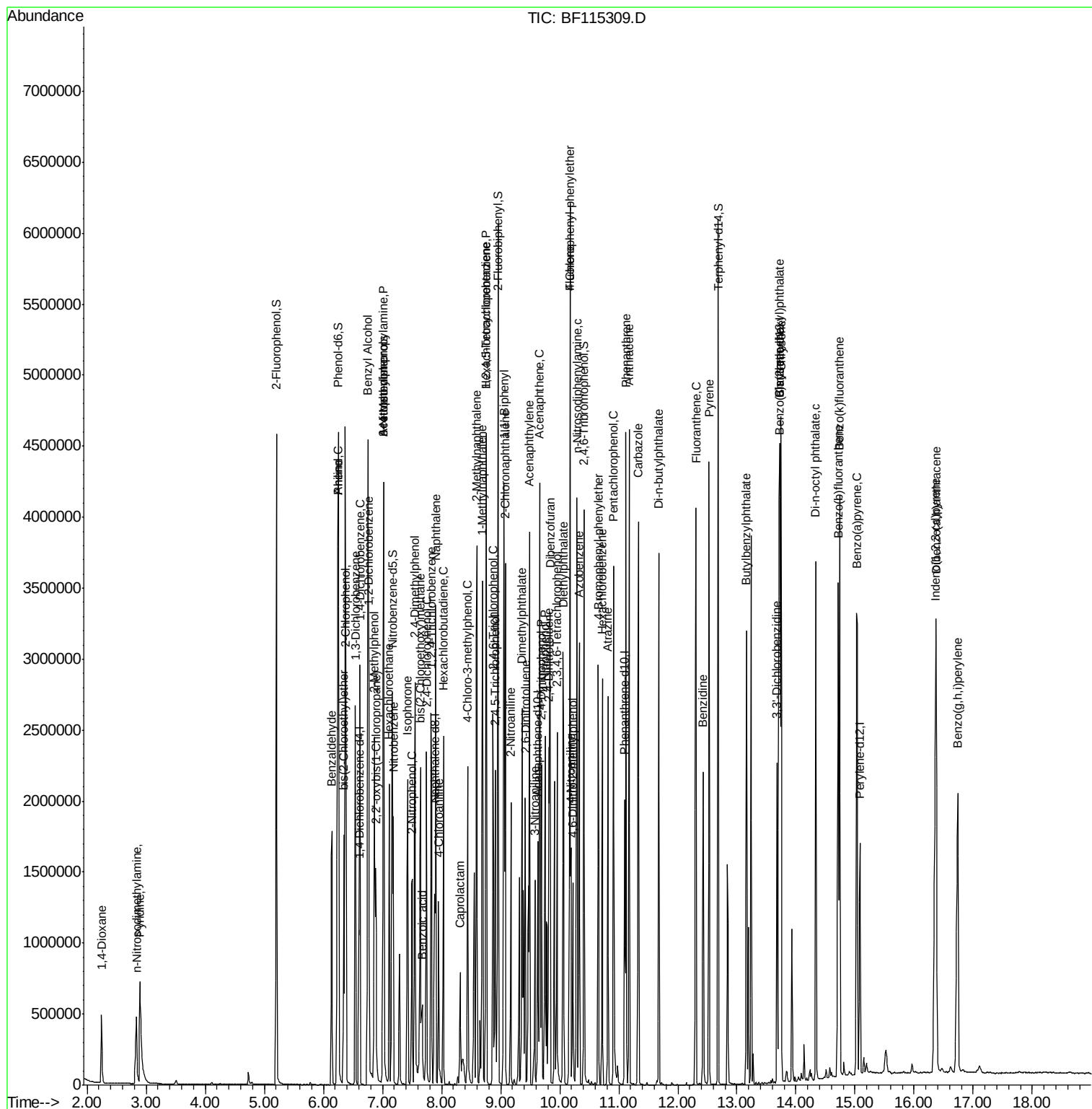
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
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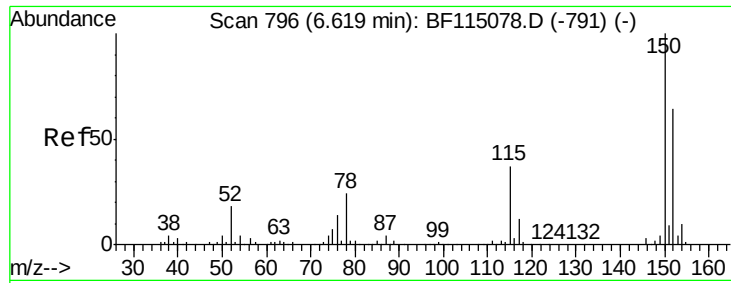
Instrument :
BNA_F
ClientSampleId :
PB121004BS

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#1

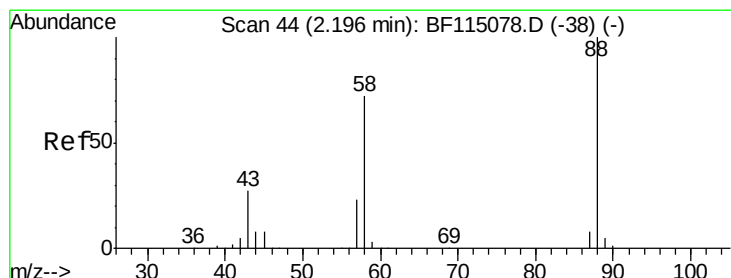
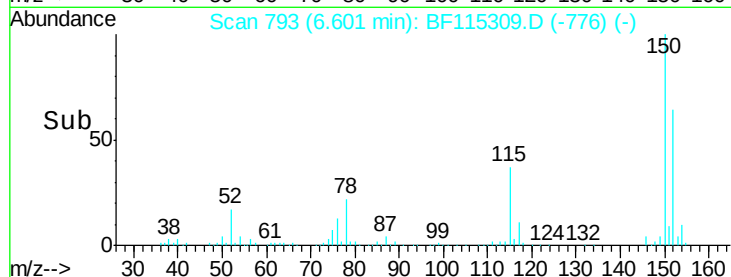
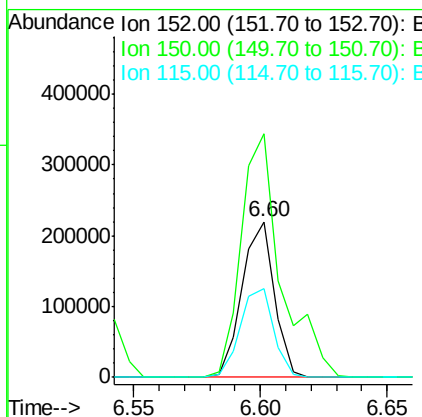
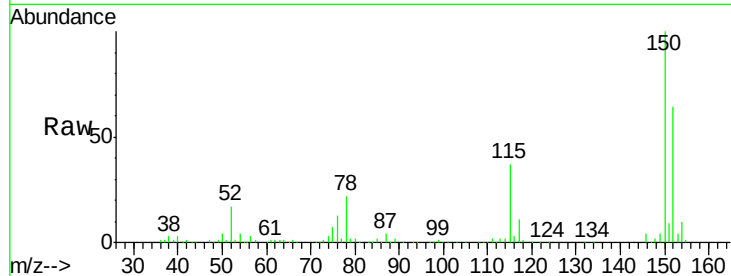
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.2	186.2
115	57.3	46.1	69.1

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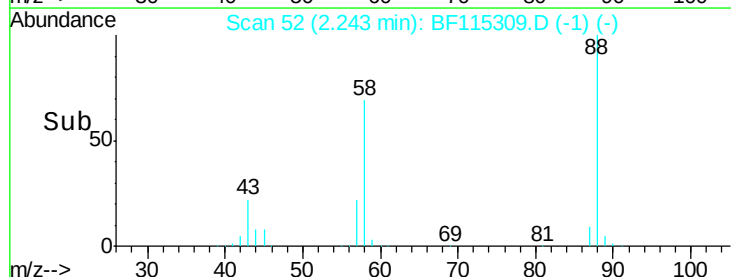
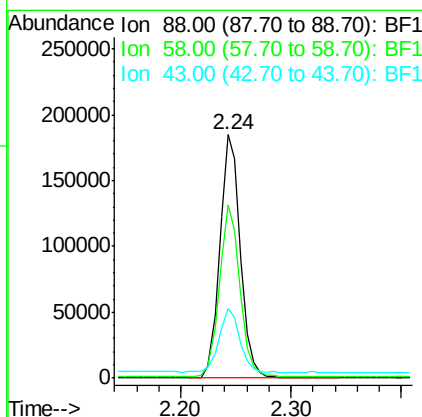
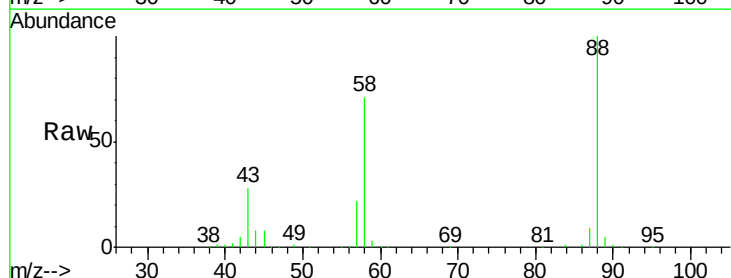
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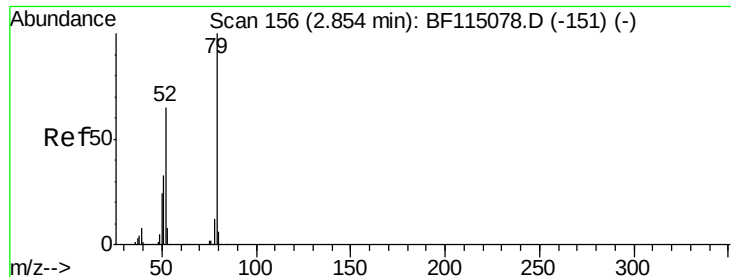


#2

1,4-Dioxane
Concen: 40.058 ng
RT: 2.24 min Scan# 52
Delta R.T. 0.09 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.7	56.1	84.1
43	26.9	21.3	31.9





#3

Pyridine

Concen: 36.515 ng

RT: 2.89 min Scan# 162

Delta R.T. 0.09 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

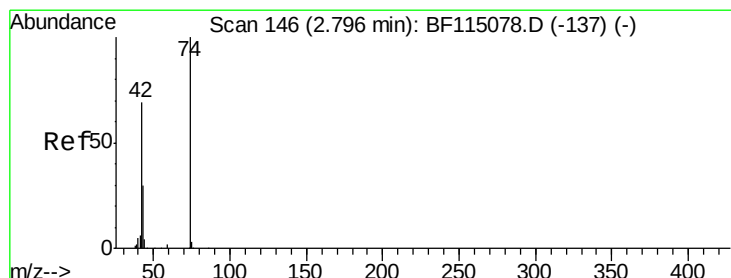
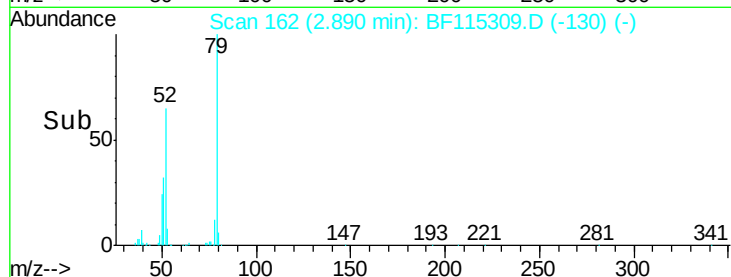
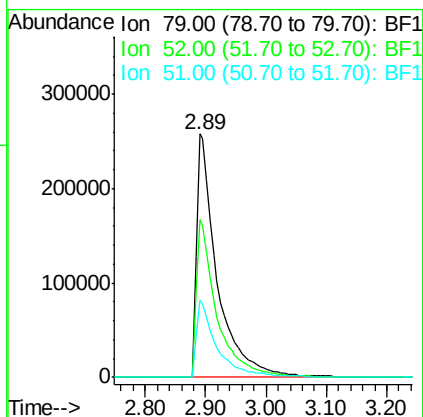
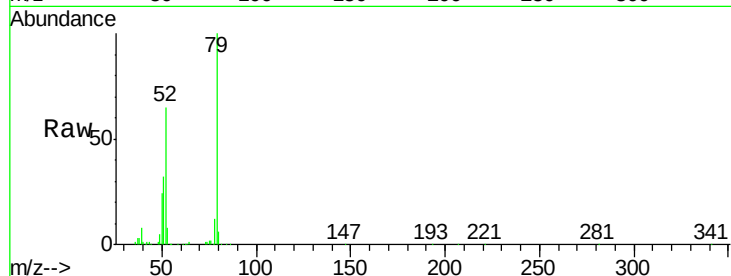
ClientSampleId :

PB121004BS

Tgt Ion:	79	Resp:	613373
Ion	Ratio	Lower	Upper
79	100		
52	64.9	52.3	78.5
51	31.9	26.1	39.1

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 37.256 ng

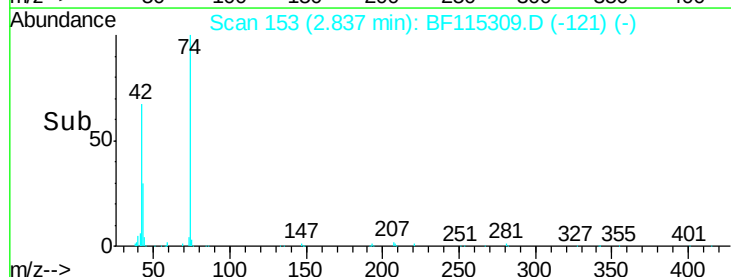
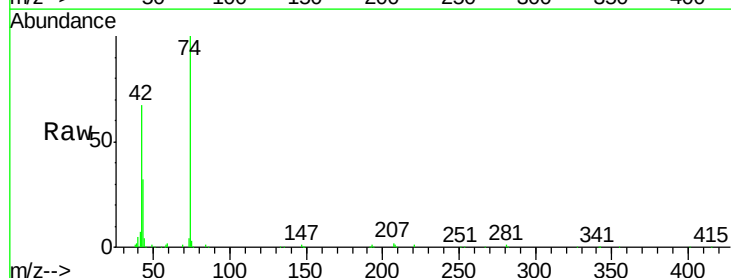
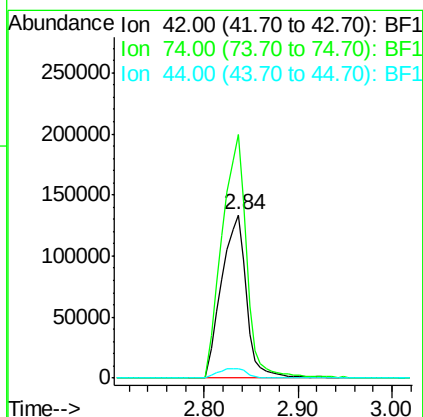
RT: 2.84 min Scan# 153

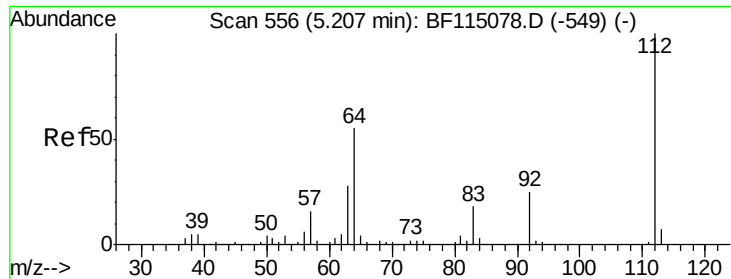
Delta R.T. 0.09 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion:	42	Resp:	245340
Ion	Ratio	Lower	Upper
42	100		
74	148.8	116.6	175.0
44	6.1	5.3	7.9





#5

2-Fluorophenol

Concen: 114.970 ng

RT: 5.21 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion: 112 Resp: 1451849

Ion Ratio Lower Upper

112 100

64 53.8 43.8 65.6

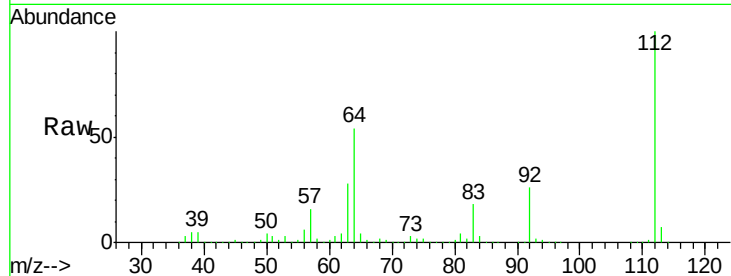
63 27.8 22.2 33.4

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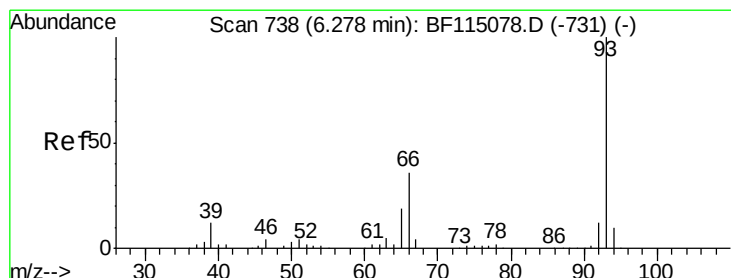
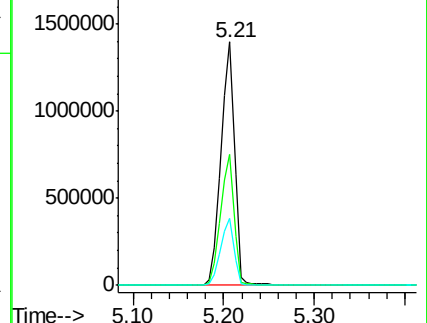
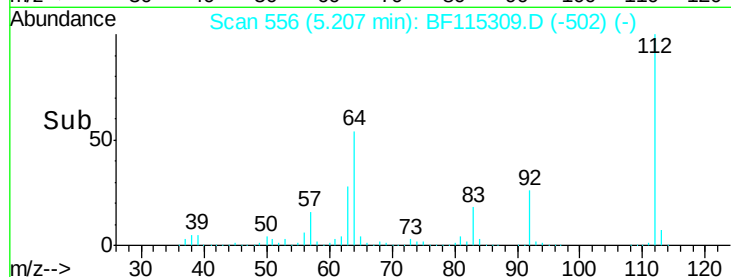
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 28.738 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

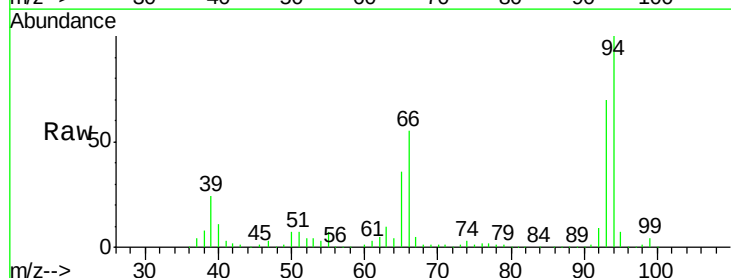
Tgt Ion: 93 Resp: 605379

Ion Ratio Lower Upper

93 100

66 79.0 30.0 45.0#

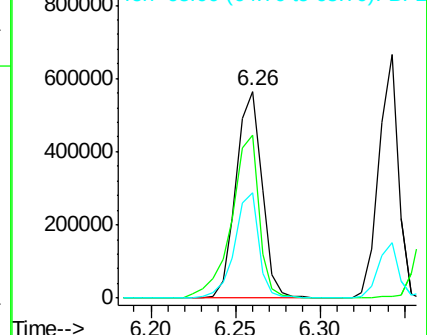
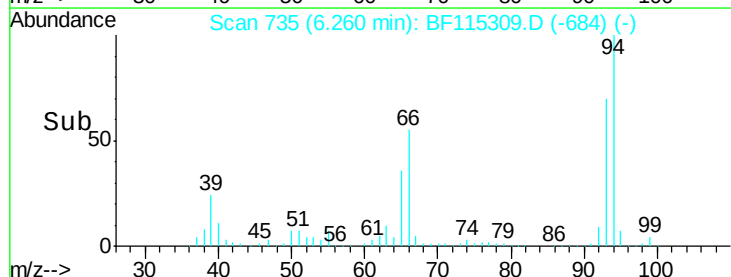
65 51.1 15.6 23.4#

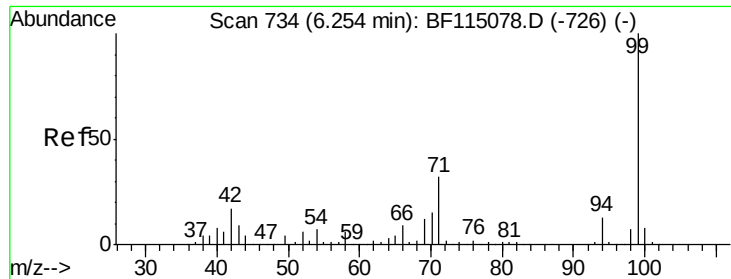


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.014 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion: 99 Resp: 1747542

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

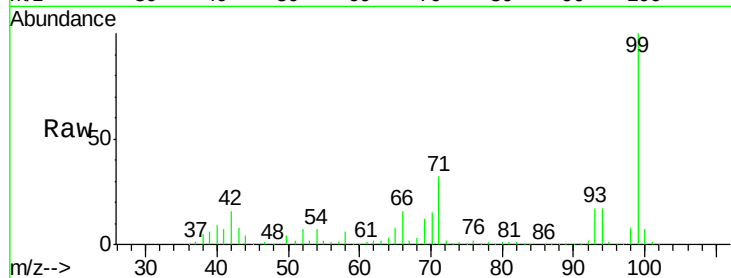
71 32.0 25.5 38.3

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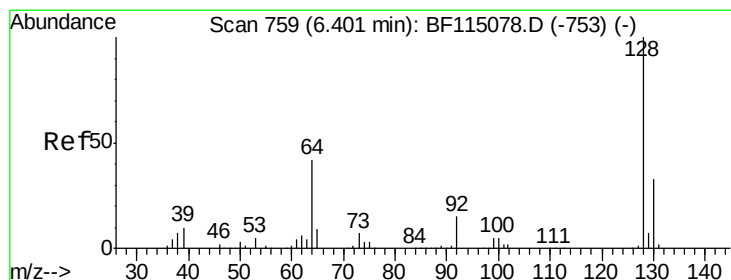
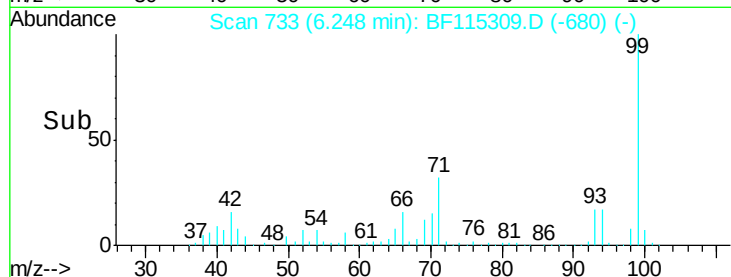
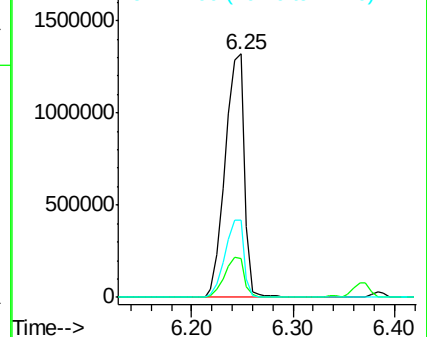
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.938 ng

RT: 6.38 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

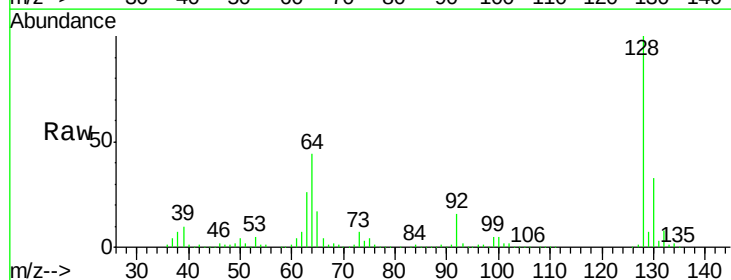
Tgt Ion: 128 Resp: 595503

Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

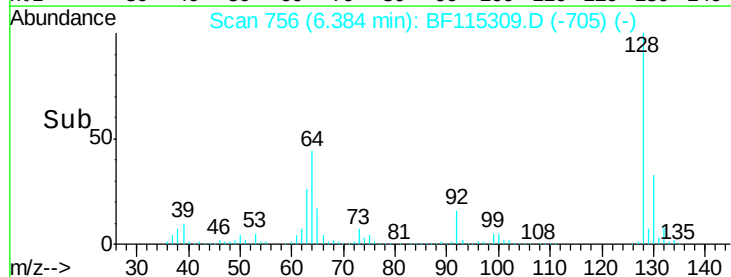
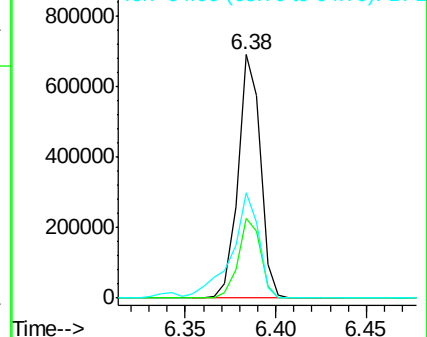
64 43.5 22.9 62.9

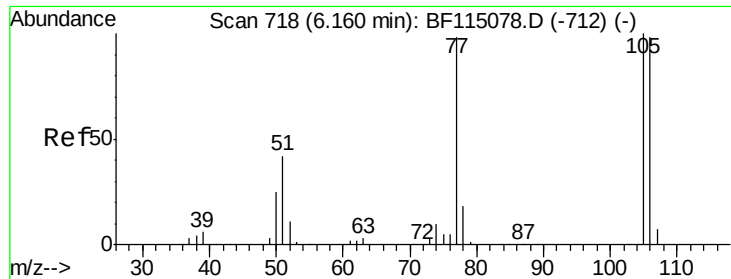


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 34.200 ng

RT: 6.14 min Scan# 715

Delta R.T. 0.00 min

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Instrument :

BNA_F

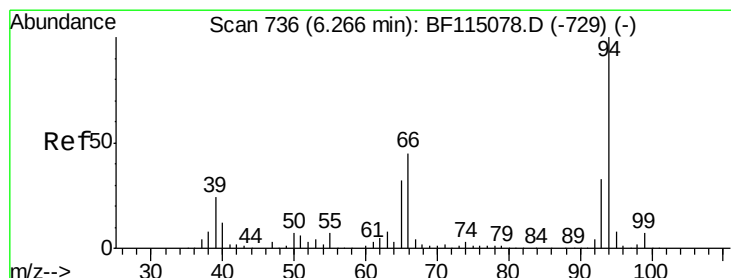
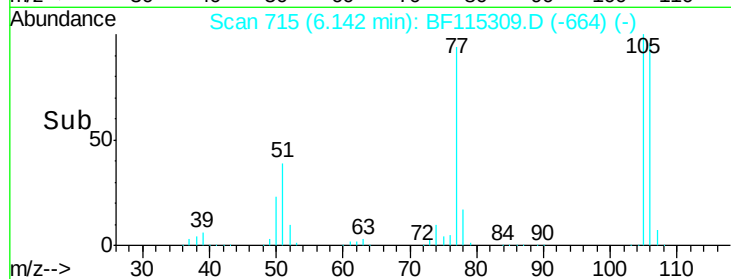
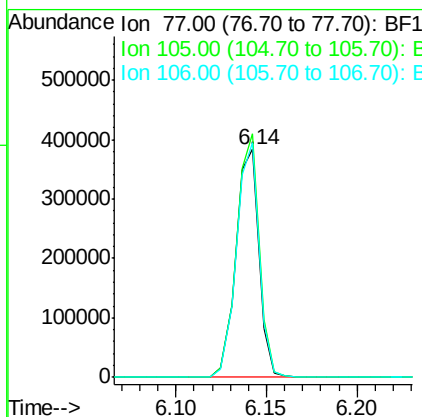
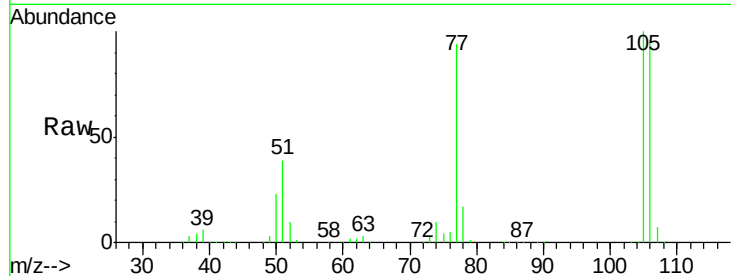
ClientSampleId :

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Tgt Ion:	77	Resp:	341994
Ion	Ratio	Lower	Upper
77	100		
105	106.9	81.5	121.5
106	102.8	79.7	119.7

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#10

Phenol

Concen: 38.513 ng

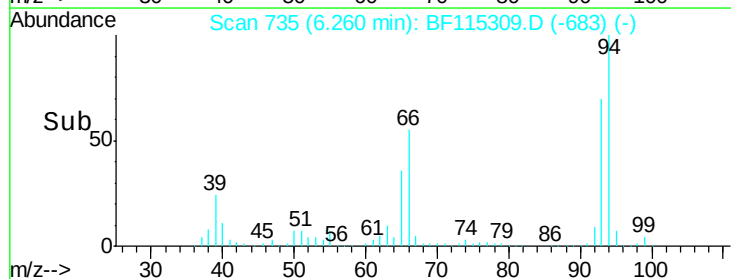
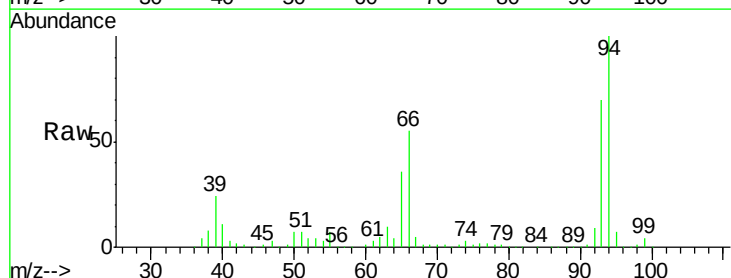
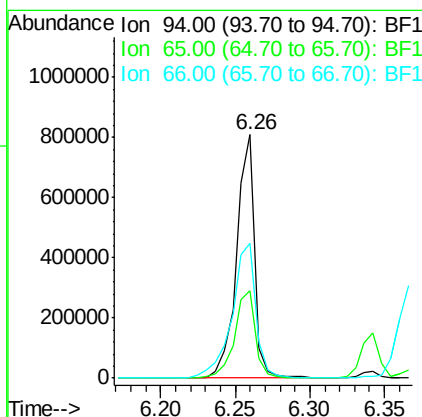
RT: 6.26 min Scan# 735

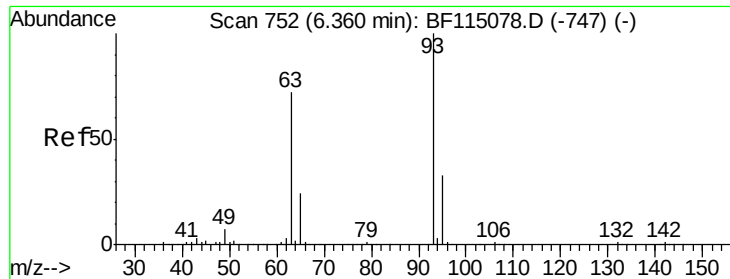
Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion:	94	Resp:	691462
Ion	Ratio	Lower	Upper
94	100		
65	35.7	11.9	51.9
66	55.2	25.2	65.2





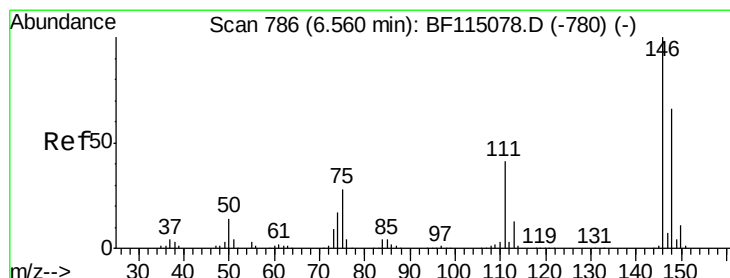
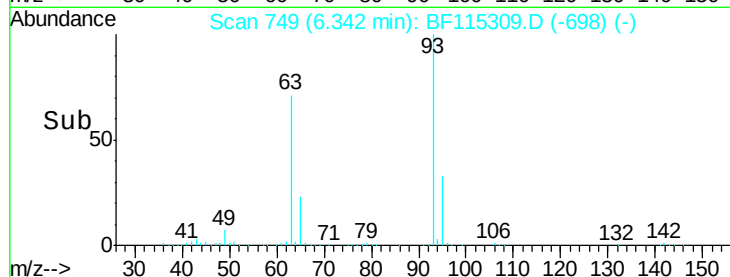
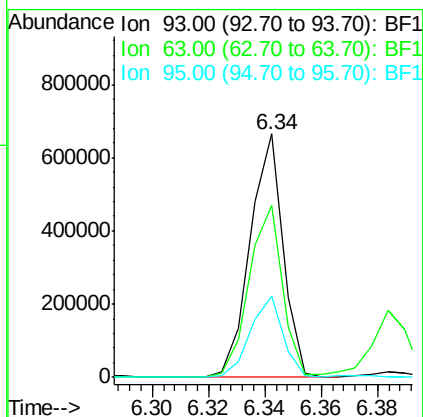
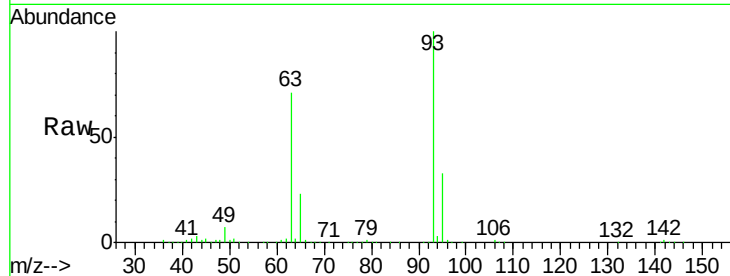
#11
bis(2-Chloroethyl)ether
Concen: 40.203 ng
RT: 6.34 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
63	70.8	51.5	91.5
95	33.1	13.4	53.4

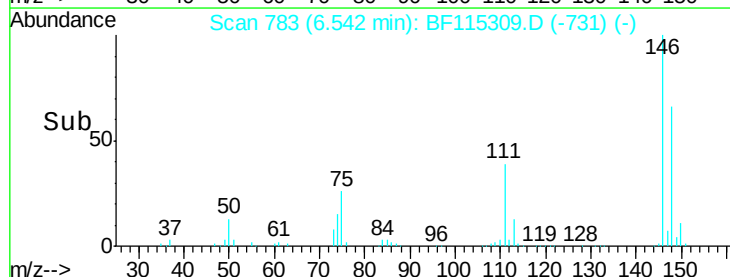
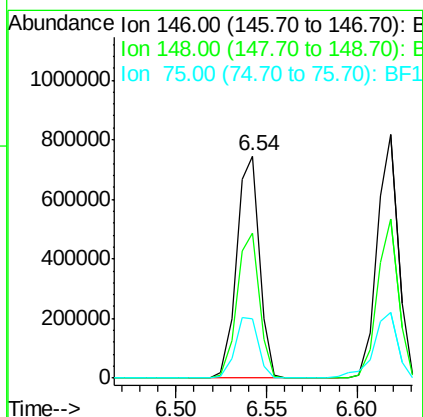
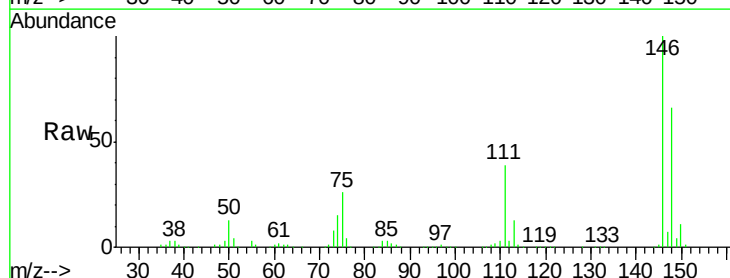
Manual Integrations
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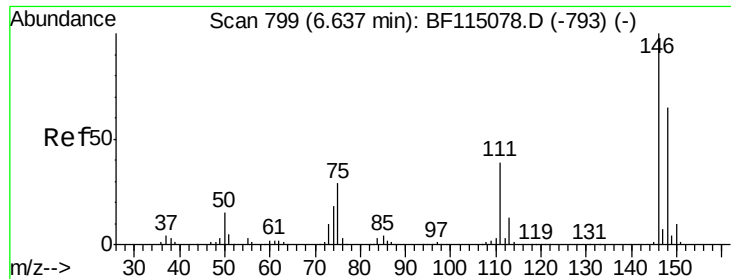
mohammad
7/1/2019 5:58:45 PM



#12
1,3-Dichlorobenzene
Concen: 41.191 ng
RT: 6.54 min Scan# 783
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
148	65.6	52.6	78.8
75	26.4	22.6	34.0





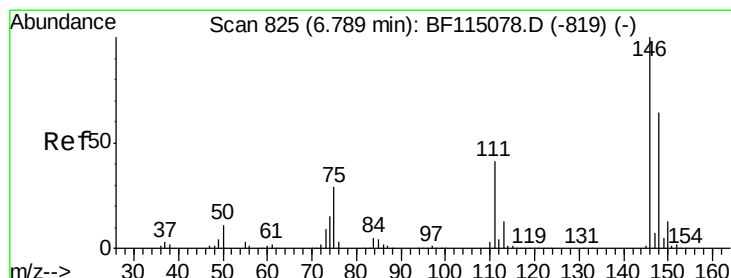
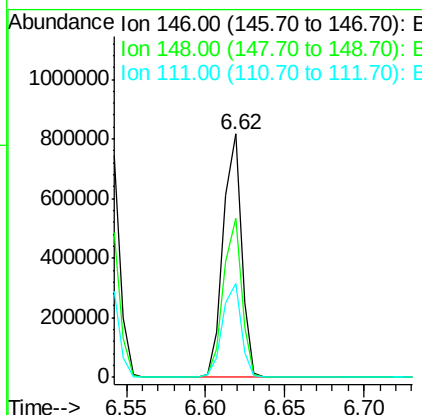
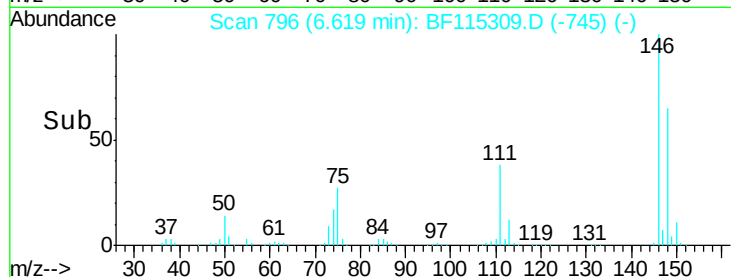
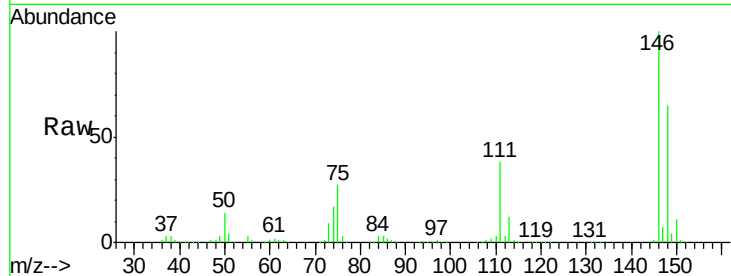
#13
 1,4-Dichlorobenzene
 Concen: 41.565 ng
 RT: 6.62 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
111	38.5	31.4	47.0

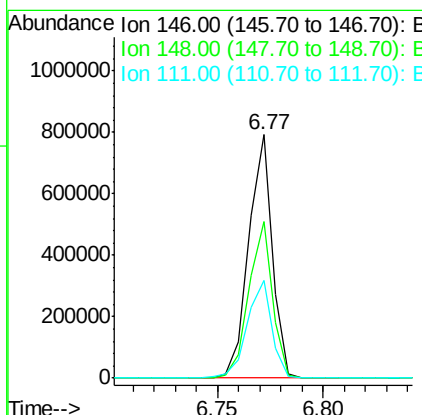
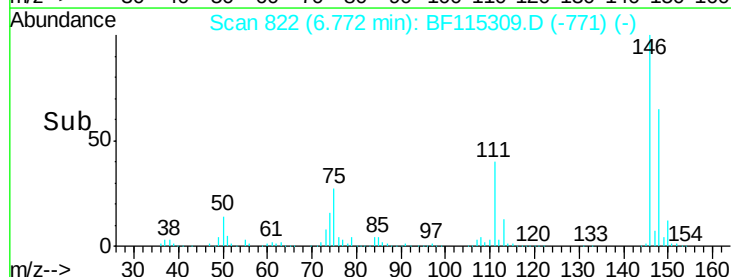
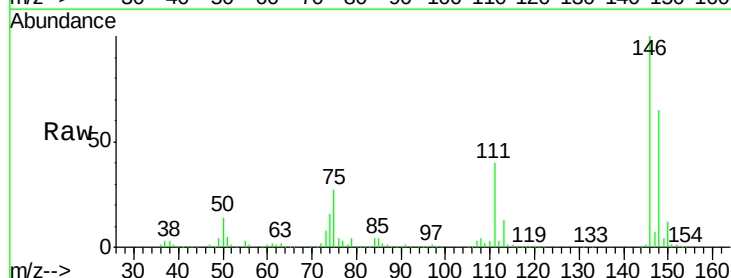
Manual Integrations
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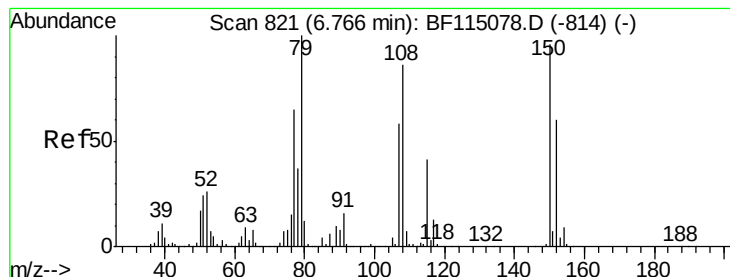
mohammad
 7/1/2019 5:58:45 PM



#14
 1,2-Dichlorobenzene
 Concen: 42.180 ng
 RT: 6.77 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	40.1	33.2	49.8





#15

Benzyl Alcohol

Concen: 37.807 ng

RT: 6.75 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion: 79 Resp: 421959

Ion Ratio Lower Upper

79 100

108 84.2 68.7 103.1

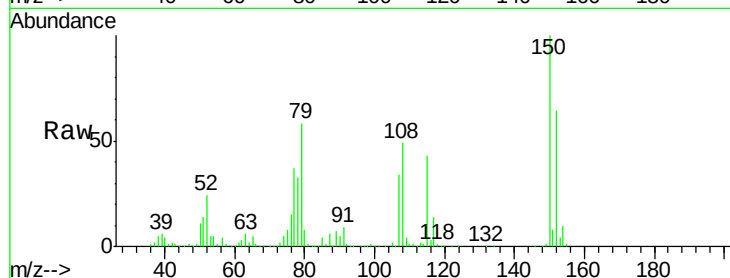
77 63.5 51.7 77.5

Manual Integrations

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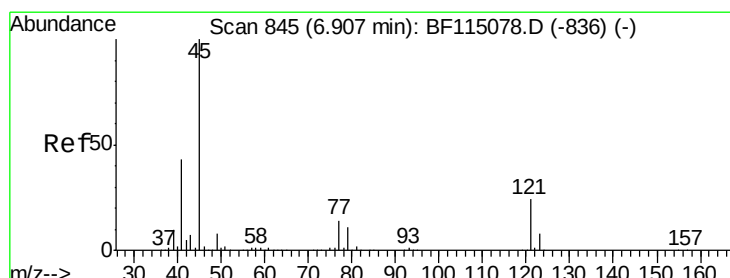
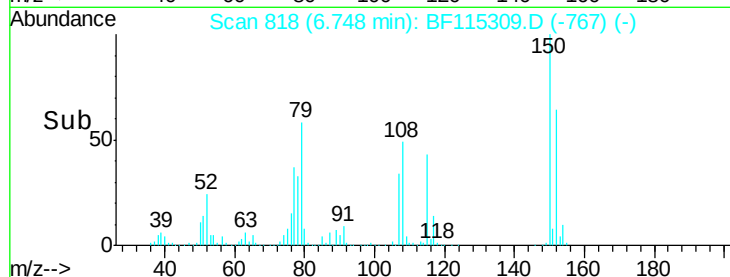
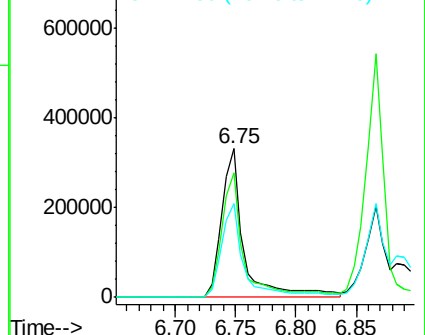
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.782 ng

RT: 6.88 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

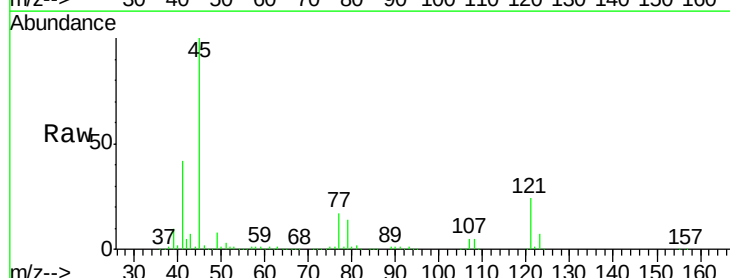
Tgt Ion: 45 Resp: 744429

Ion Ratio Lower Upper

45 100

77 16.7 0.0 34.6

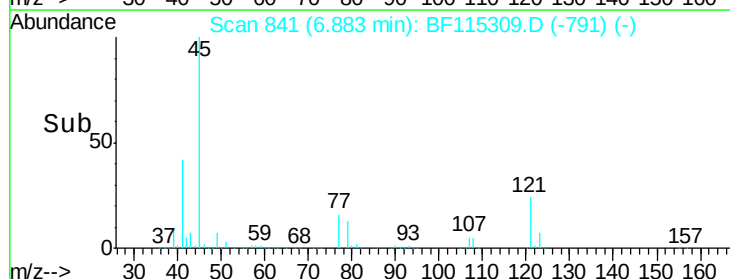
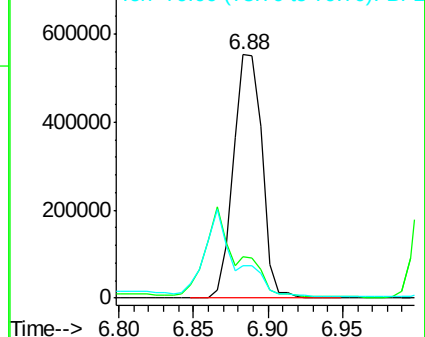
79 13.5 0.0 31.2

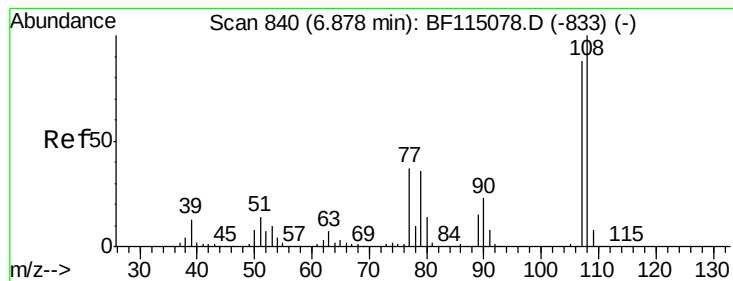


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





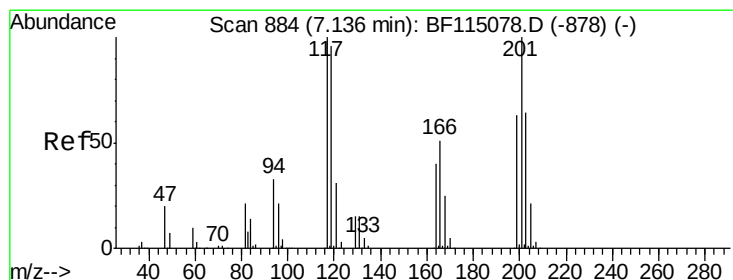
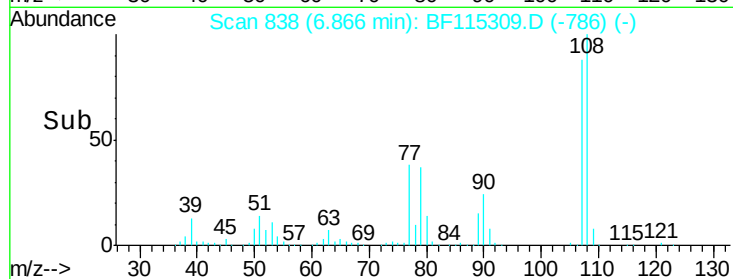
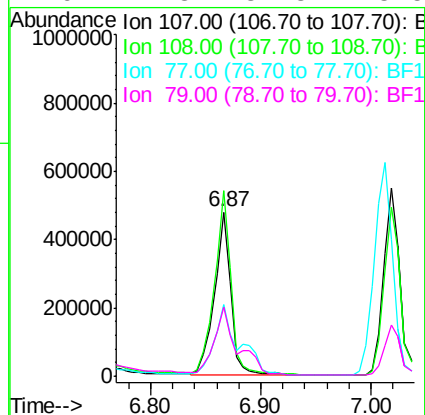
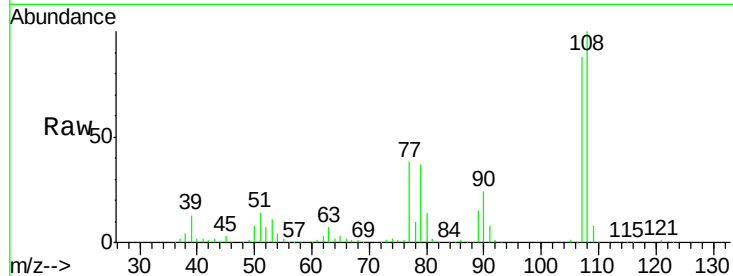
#17
2-Methylphenol
Concen: 42.023 ng
RT: 6.87 min Scan# 838
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	492541		
108	113.4	90.9	136.3	
77	43.5	33.4	50.2	
79	42.3	32.3	48.5	

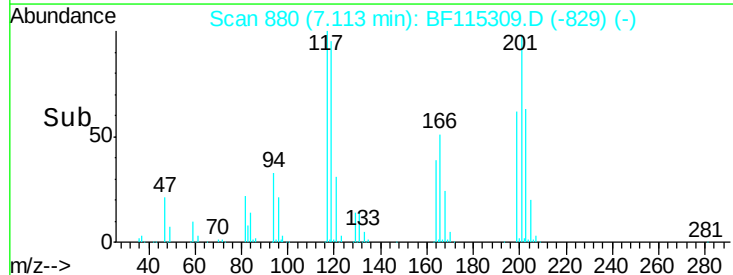
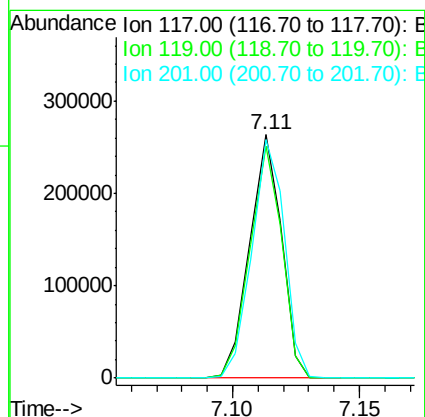
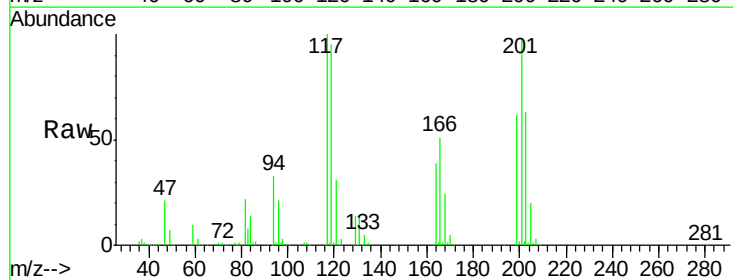
Manual Integrations
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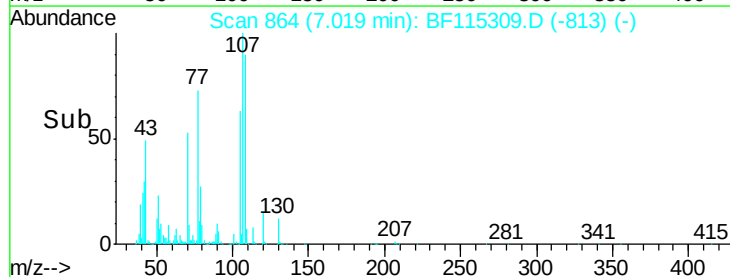
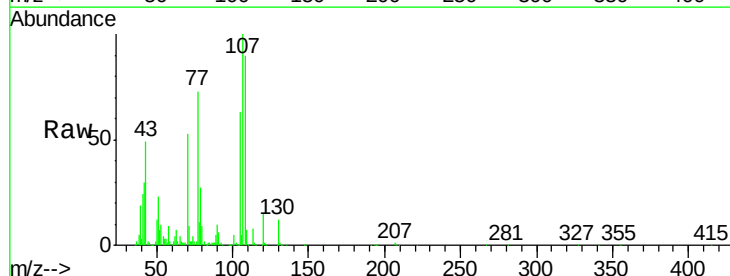
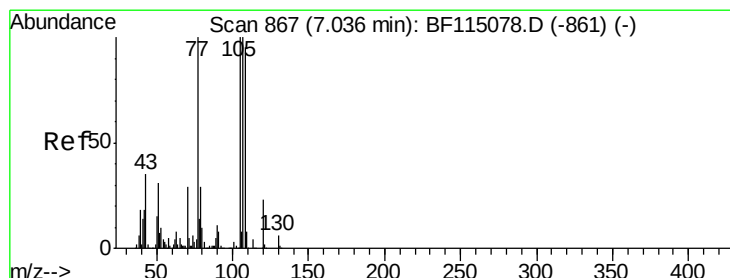
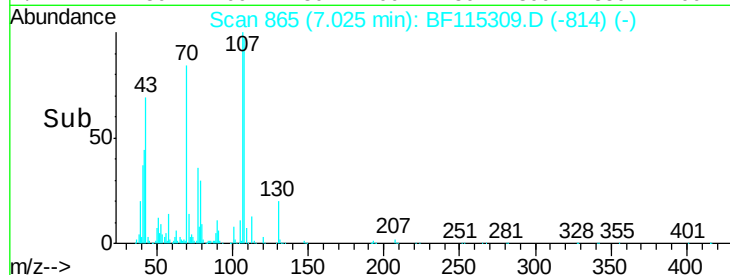
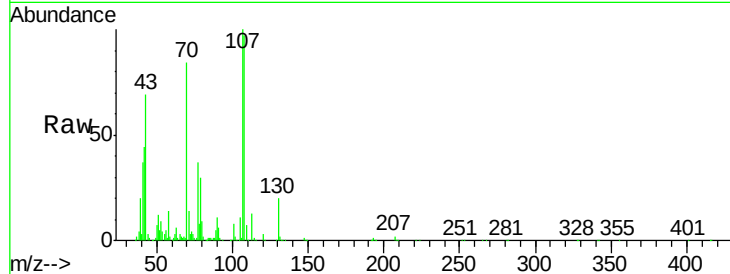
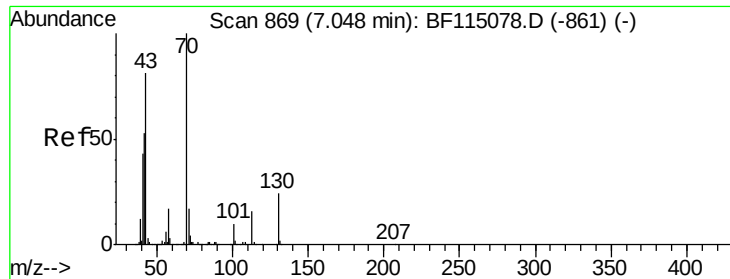
mohammad
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#18
Hexachloroethane
Concen: 40.523 ng
RT: 7.11 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	230867		
119	95.1	76.6	114.8	
201	98.1	80.2	120.2	





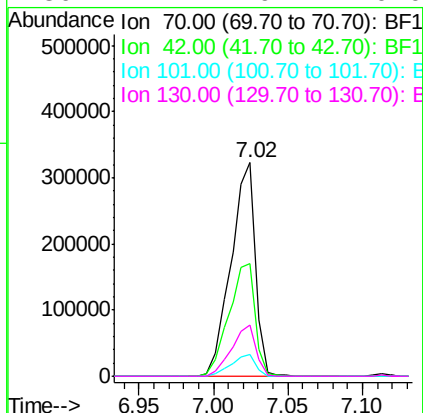
#19
n-Nitroso-di-n-propylamine
Concen: 37.921 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	52.7	42.6	63.8
101	10.0	8.0	12.0
130	24.2	19.4	29.0

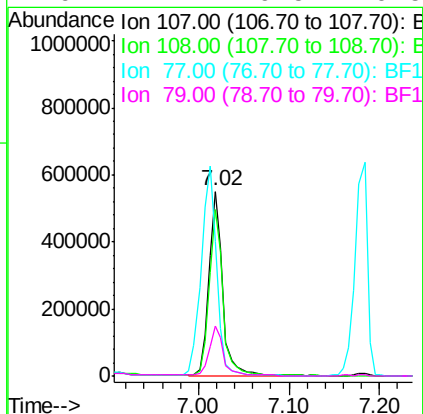
Manual Integrations
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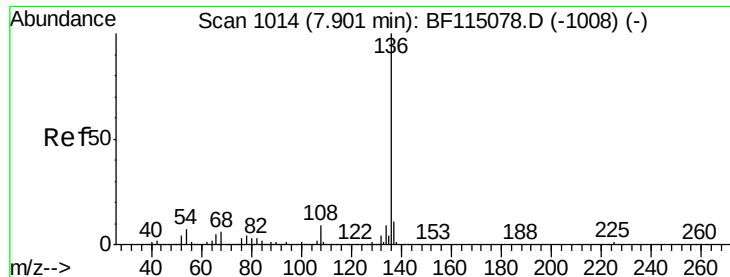
mohammad
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#20
3+4-Methylphenols
Concen: 43.164 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.1	75.5	115.5
77	72.7	80.2	120.2#
79	27.2	9.5	49.5





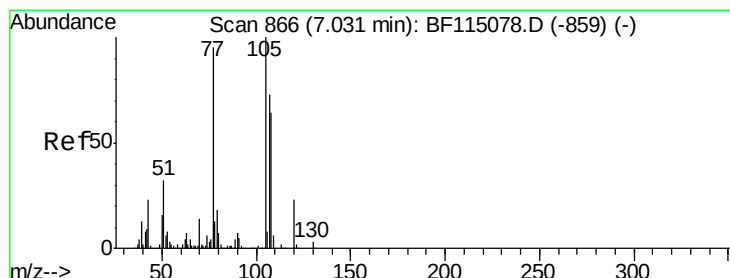
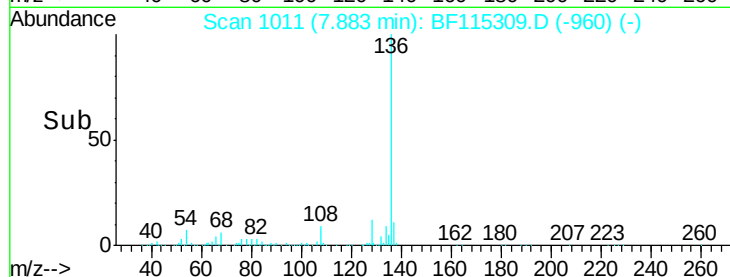
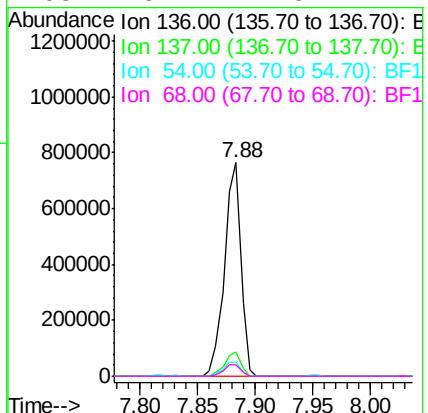
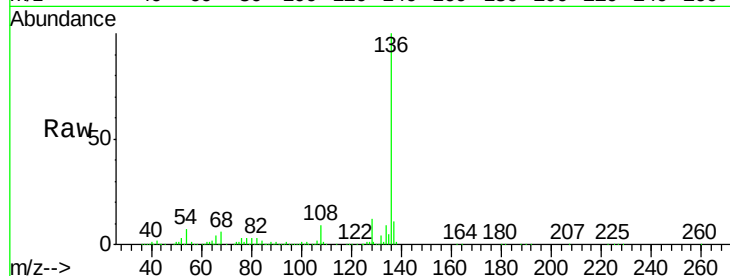
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.5	5.6	8.4
68	5.7	4.8	7.2

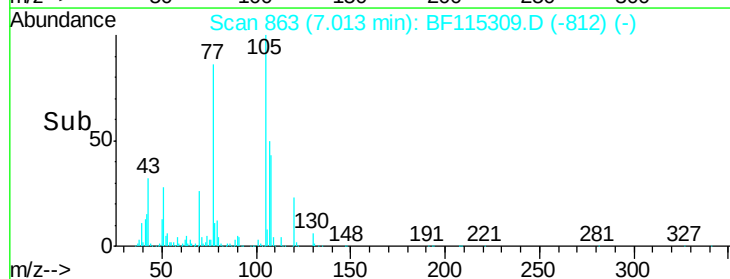
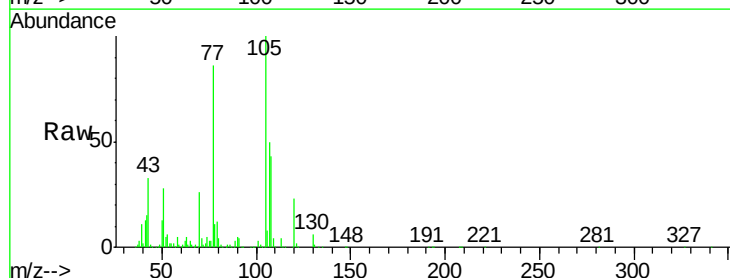
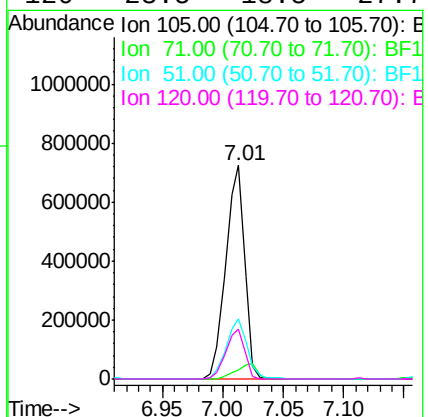
Manual Integrations
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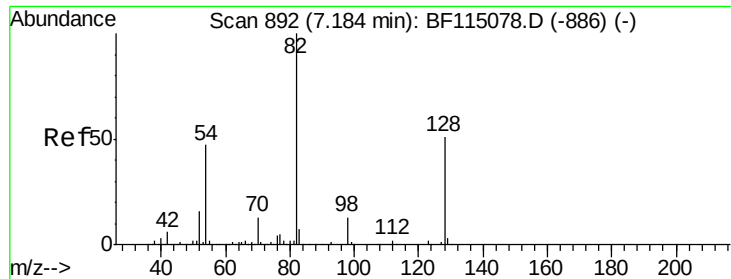
mohammad
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#22
Acetophenone
Concen: 45.418 ng
RT: 7.01 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	4.5	1.9	2.9#
51	28.1	25.8	38.8
120	23.5	18.5	27.7





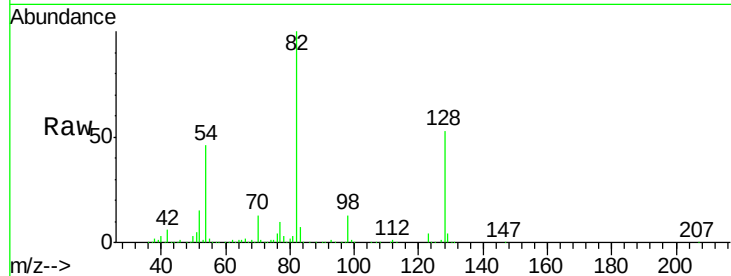
#23
Nitrobenzene-d5
Concen: 84.064 ng
RT: 7.17 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

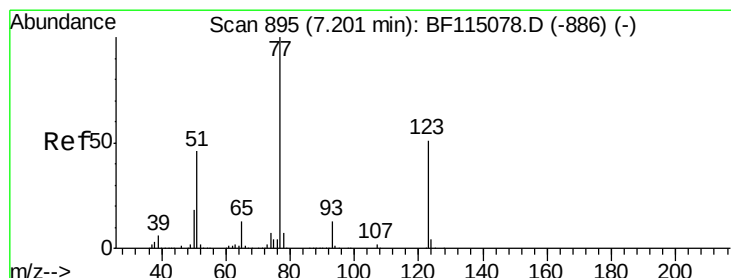
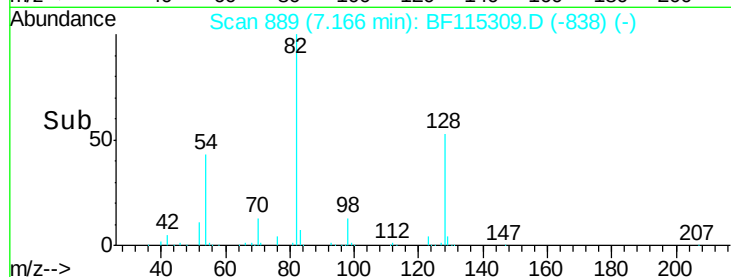
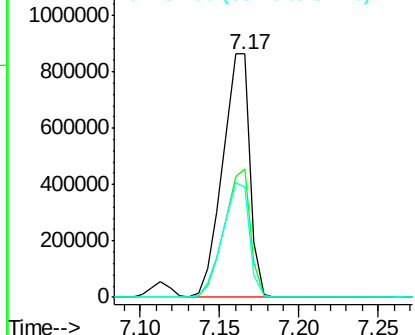
Tgt Ion: 82 Resp: 1030569
Ion Ratio Lower Upper
82 100
128 52.7 40.4 60.6
54 45.6 37.5 56.3

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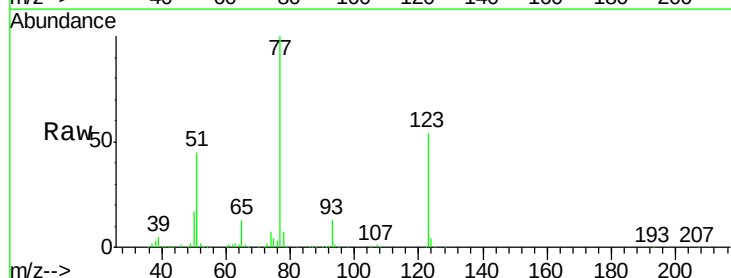


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

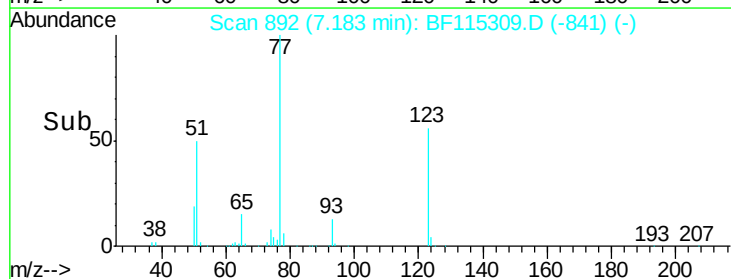
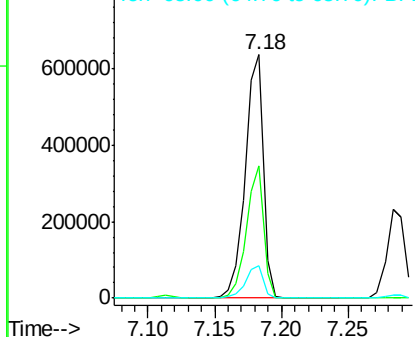


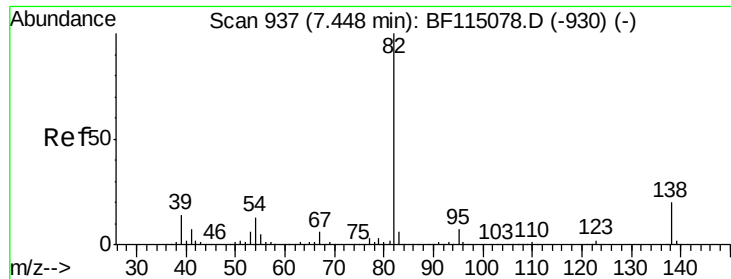
#24
Nitrobenzene
Concen: 43.907 ng
RT: 7.18 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion: 77 Resp: 592998
Ion Ratio Lower Upper
77 100
123 54.5 41.0 61.6
65 13.2 10.5 15.7



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: 42.157 ng

RT: 7.42 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion: 82 Resp: 1058728

Ion Ratio Lower Upper

82 100

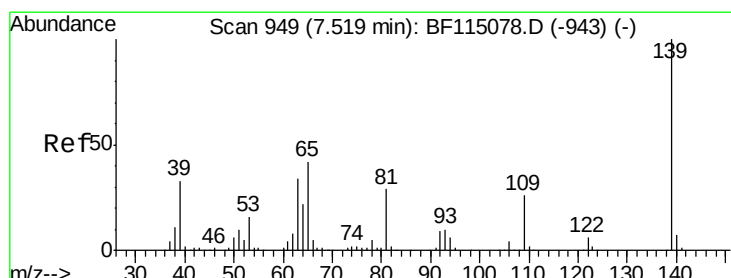
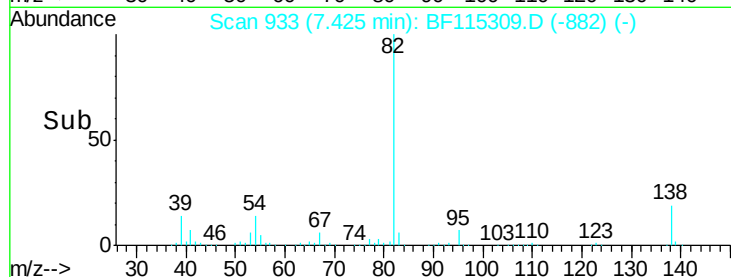
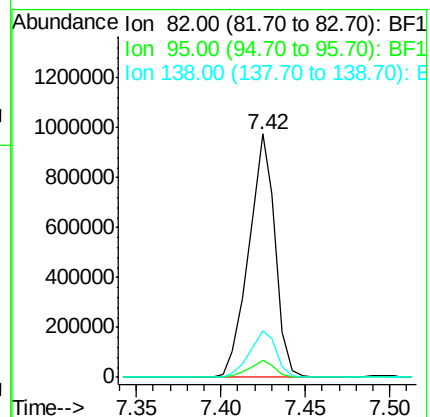
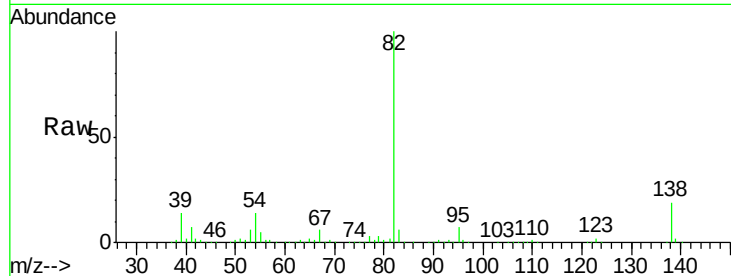
95 6.8 5.4 8.2

138 19.2 15.9 23.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.706 ng

RT: 7.50 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

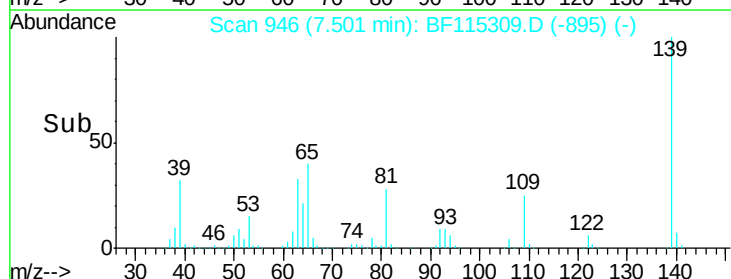
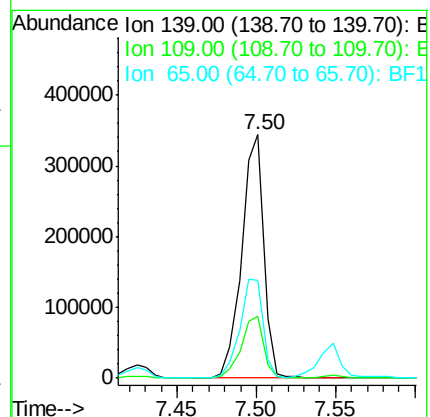
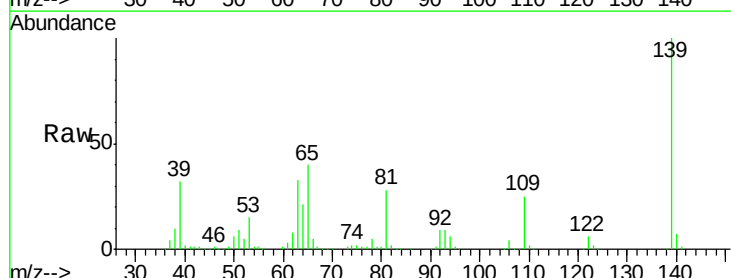
Tgt Ion: 139 Resp: 331530

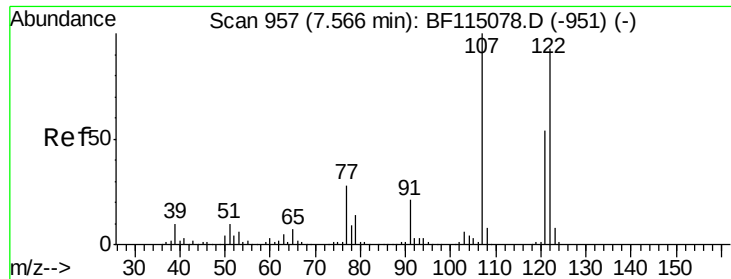
Ion Ratio Lower Upper

139 100

109 25.4 20.4 30.6

65 39.9 33.6 50.4





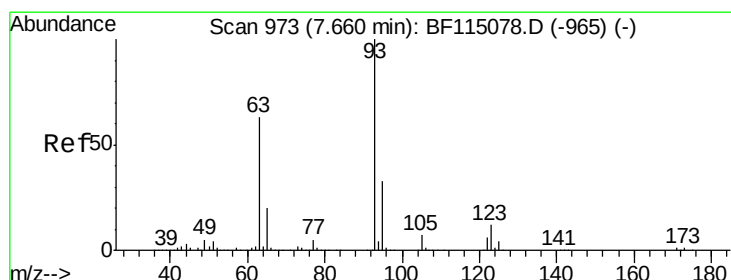
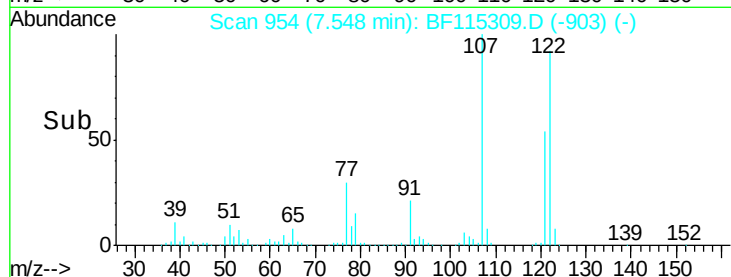
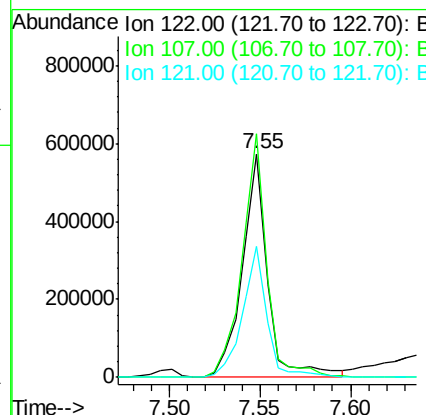
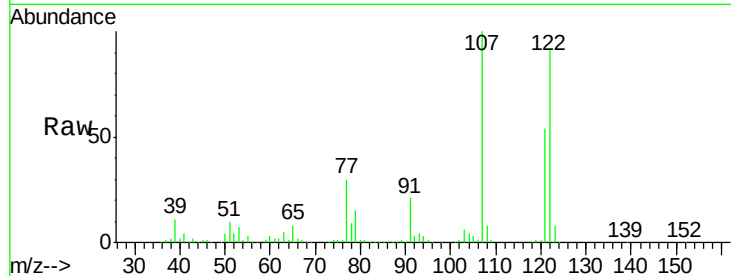
#27
2,4-Dimethylphenol
Concen: 50.562 ng
RT: 7.55 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	552163		
107	109.0	85.8	128.6	
121	58.7	46.3	69.5	

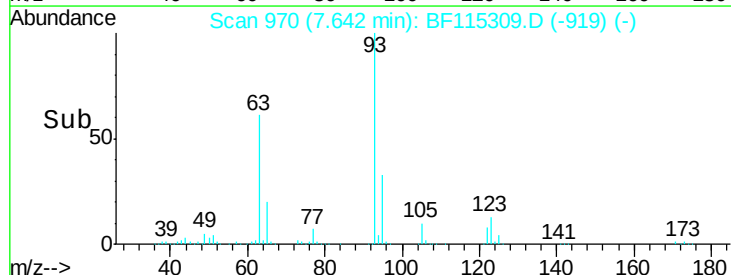
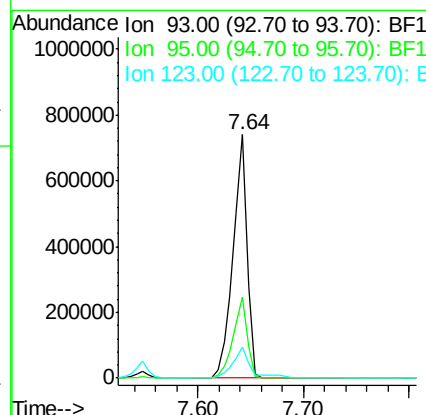
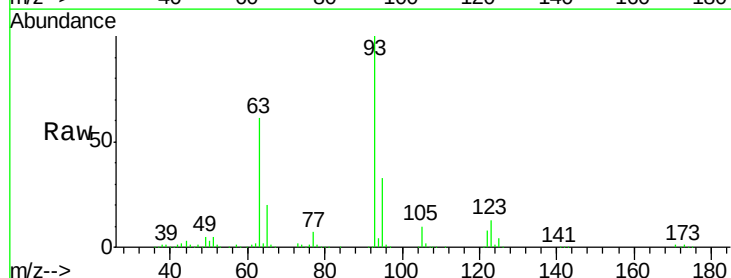
Manual Integrations
APPROVED

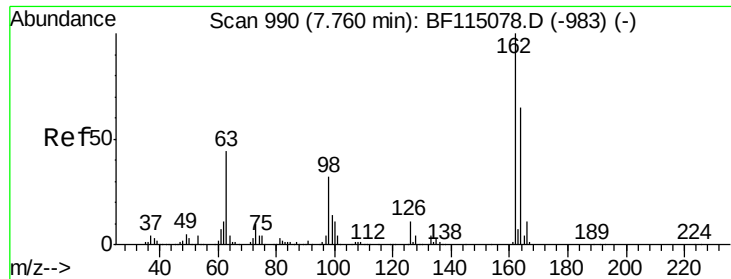
mohammad
7/1/2019 5:58:45 PM



#28
bis(2-Chloroethoxy)methane
Concen: 42.950 ng
RT: 7.64 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	681748		
95	33.1	26.2	39.4	
123	12.7	9.7	14.5	





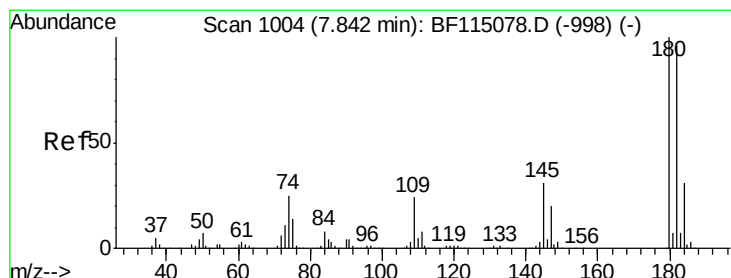
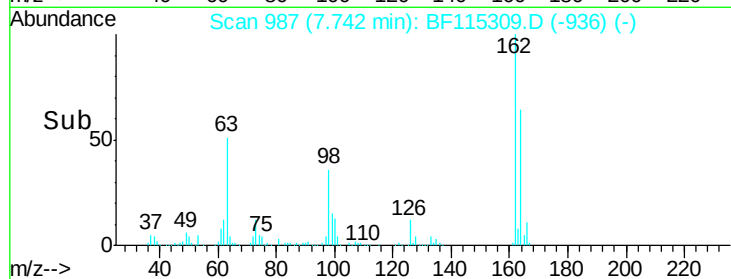
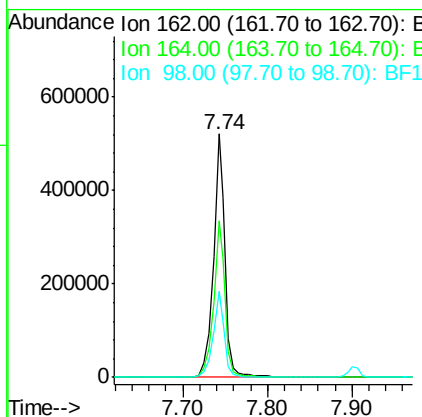
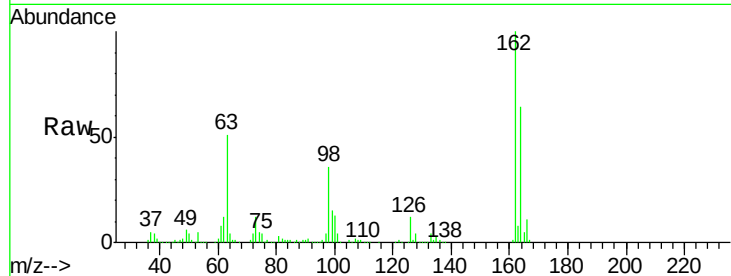
#29
2,4-Dichlorophenol
Concen: 45.144 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	508765		
164	64.4	45.3	85.3	
98	35.6	12.5	52.5	

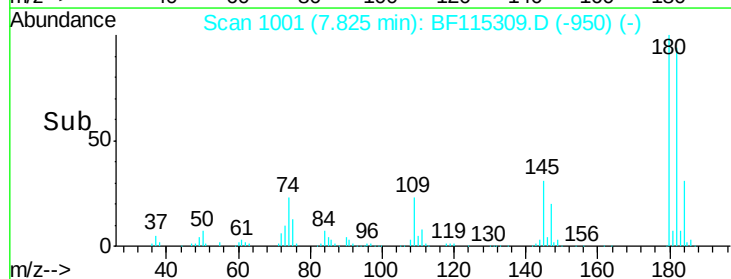
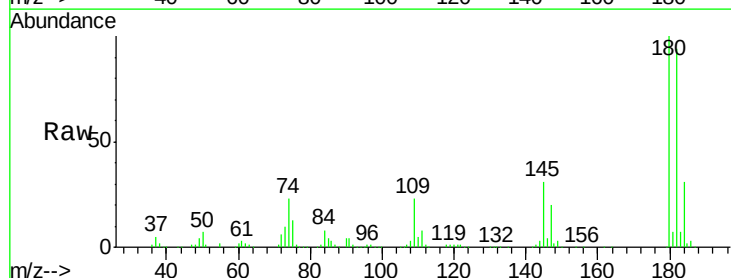
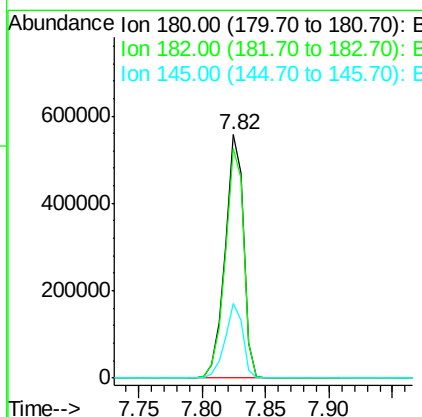
Manual Integrations
APPROVED

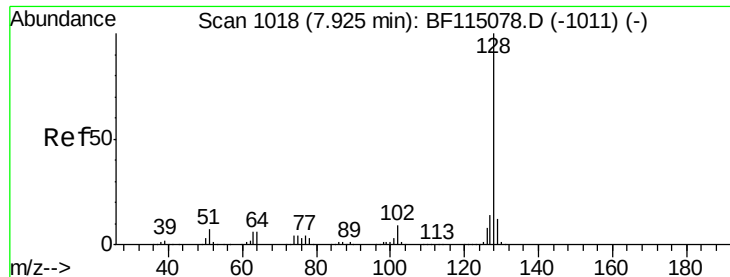
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 44.700 ng
RT: 7.82 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	556443		
182	94.1	76.4	114.6	
145	30.7	24.8	37.2	





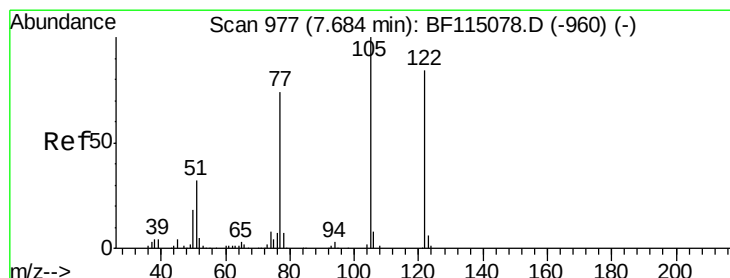
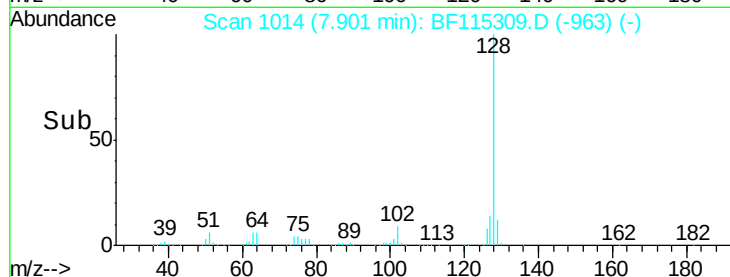
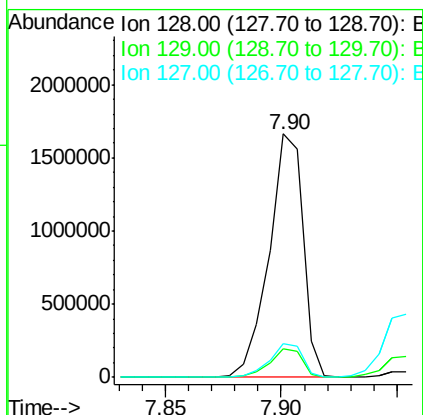
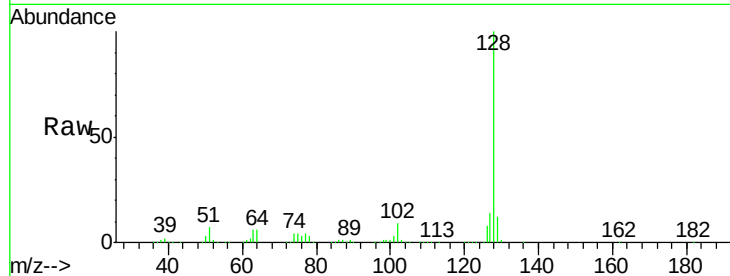
#31
Naphthalene
Concen: 45.899 ng
RT: 7.90 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion:128 Resp: 1699129
Ion Ratio Lower Upper
128 100
129 11.8 9.6 14.4
127 13.8 11.4 17.0

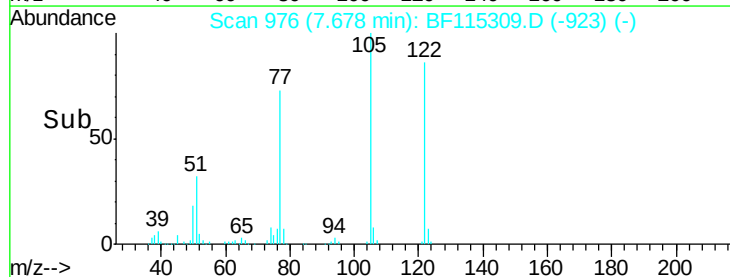
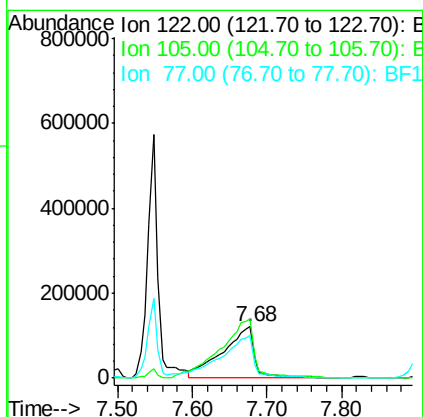
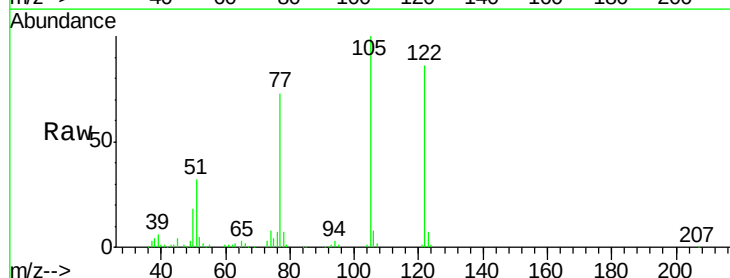
Manual Integrations
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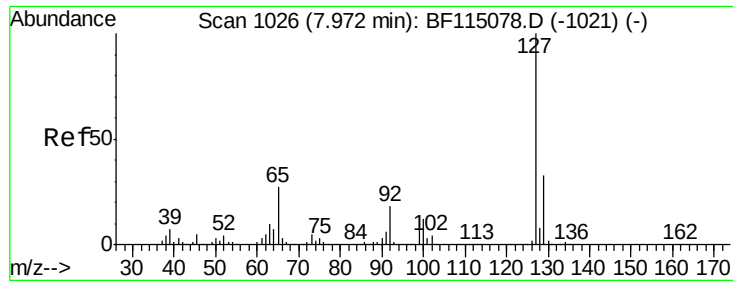
mohammad
7/1/2019 5:58:45 PM



#32
Benzoic acid
Concen: 45.850 ng
RT: 7.68 min Scan# 976
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion:122 Resp: 357409
Ion Ratio Lower Upper
122 100
105 116.1 98.2 138.2
77 84.9 67.0 107.0





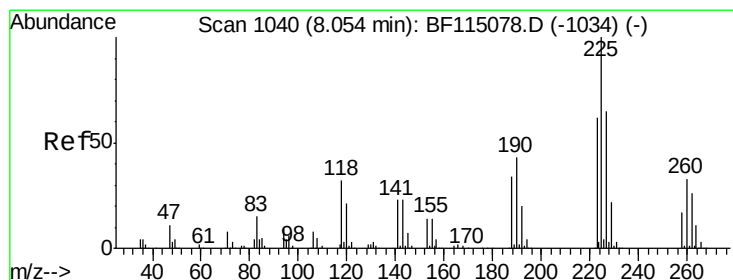
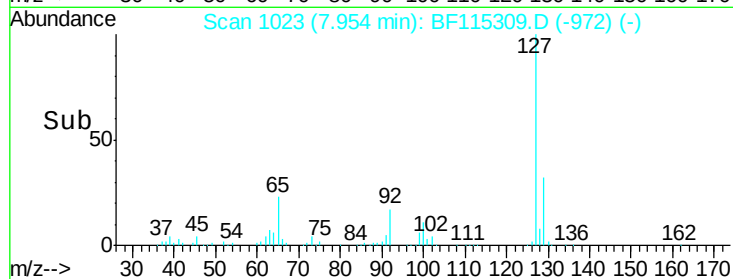
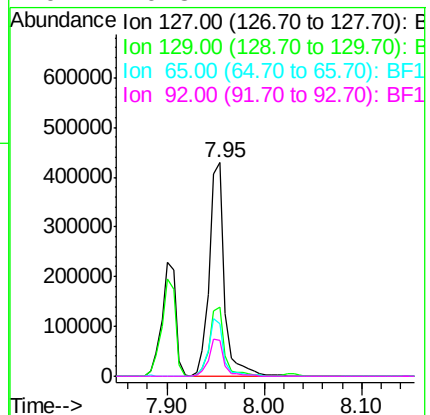
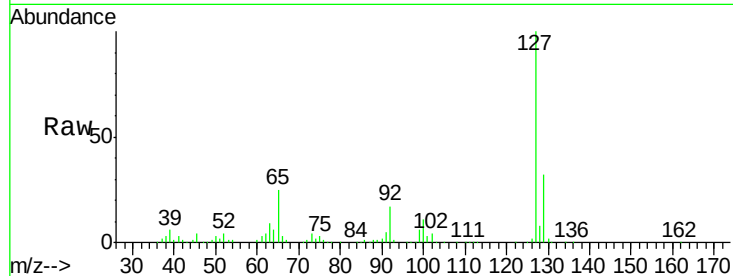
#33
4-Chloroaniline
Concen: 27.355 ng
RT: 7.95 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	462809		
129	32.5	26.1	39.1	
65	24.6	21.4	32.2	
92	16.8	14.1	21.1	

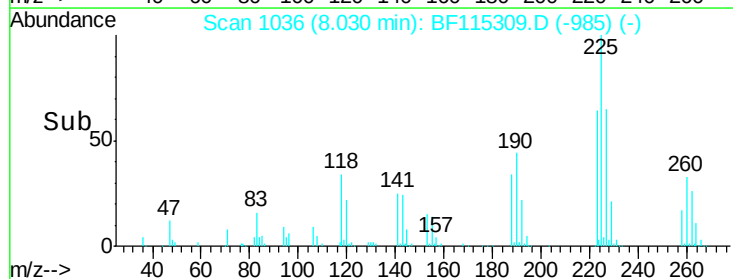
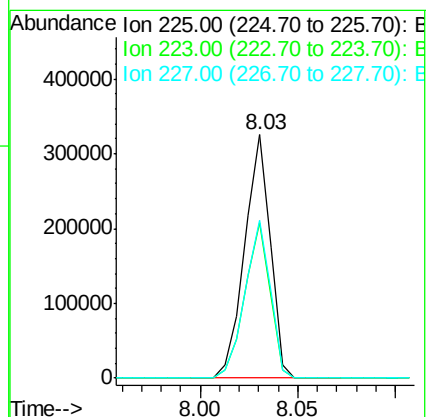
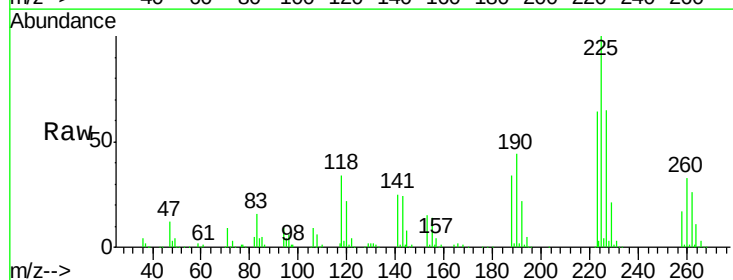
Manual Integrations
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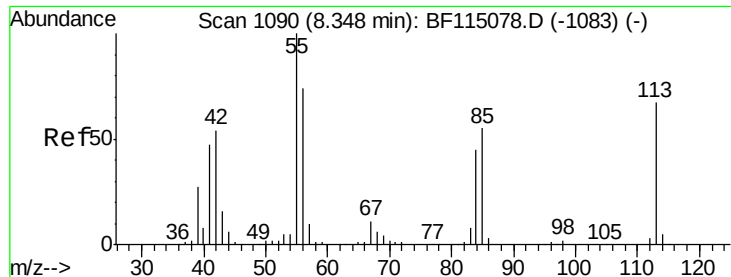
mohammad
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#34
Hexachlorobutadiene
Concen: 43.409 ng
RT: 8.03 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	296123		
223	63.6	49.4	74.2	
227	65.0	51.8	77.8	





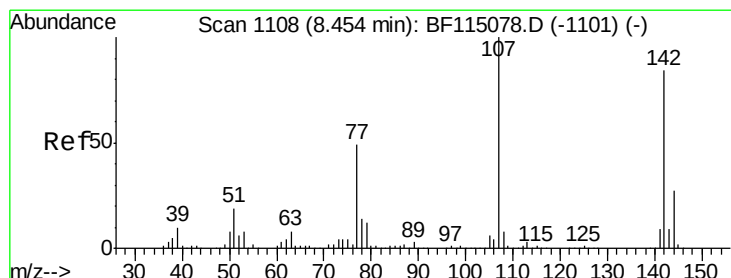
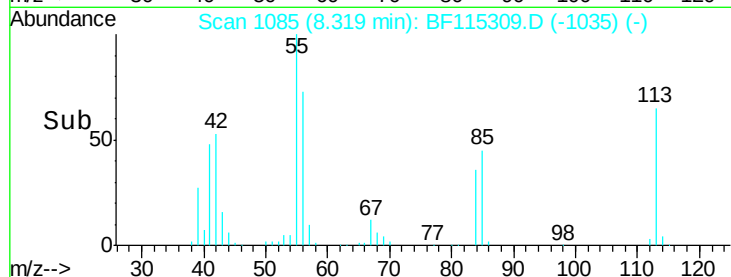
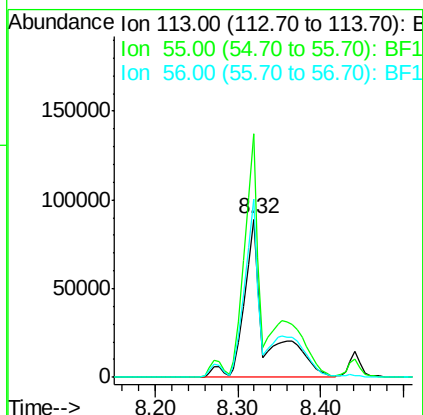
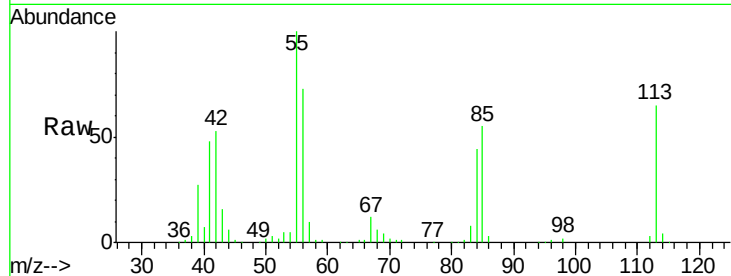
#35
 Caprolactam
 Concen: 44.087 ng m
 RT: 8.32 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion: 113 Resp: 167043
 Ion Ratio Lower Upper
 113 100
 55 154.2 130.2 170.2
 56 112.6 91.6 131.6

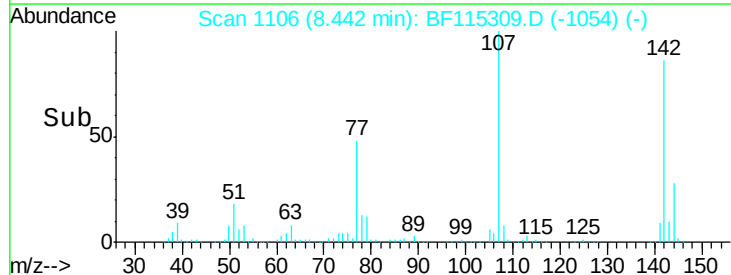
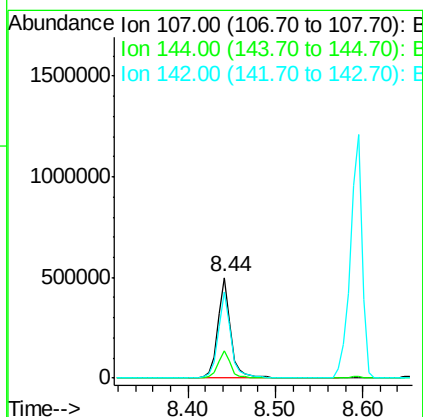
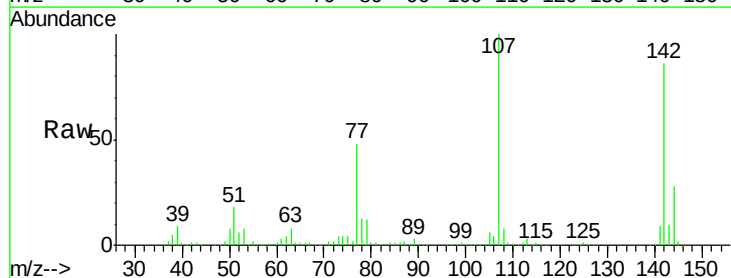
Manual Integrations
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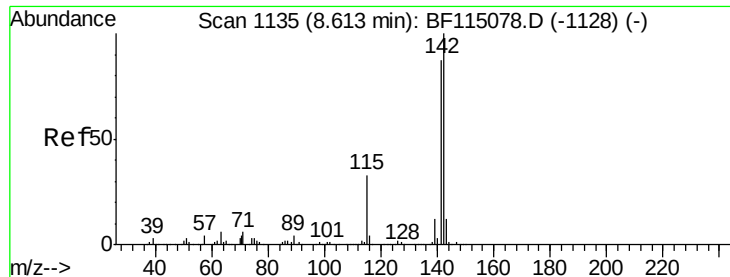
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 44.787 ng
 RT: 8.44 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion: 107 Resp: 511158
 Ion Ratio Lower Upper
 107 100
 144 27.7 21.7 32.5
 142 85.8 67.0 100.4





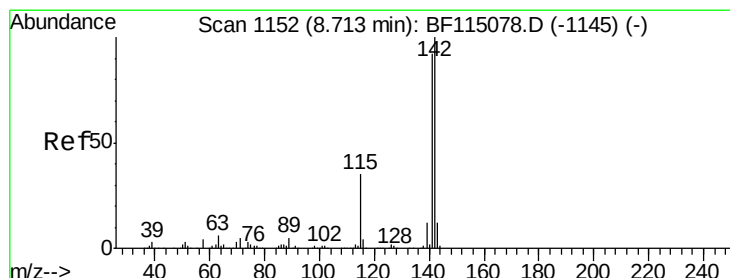
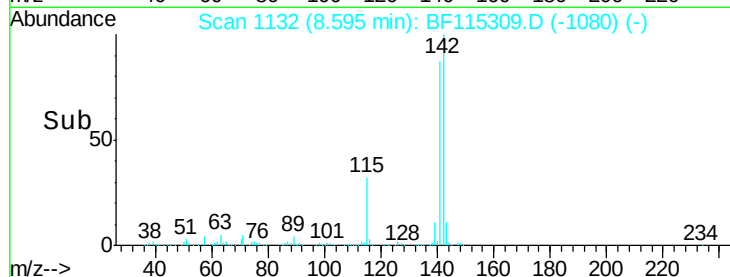
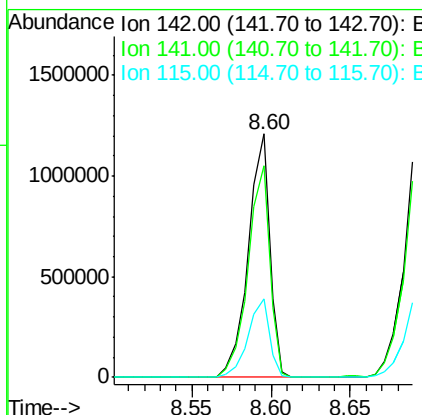
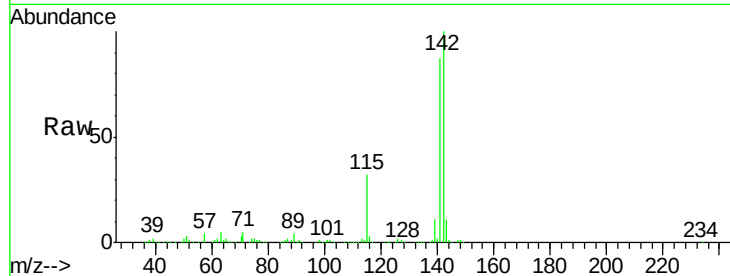
#37
2-Methylnaphthalene
Concen: 45.662 ng
RT: 8.60 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion:142 Resp: 1139734
Ion Ratio Lower Upper
142 100
141 87.2 69.8 104.6
115 32.1 26.7 40.1

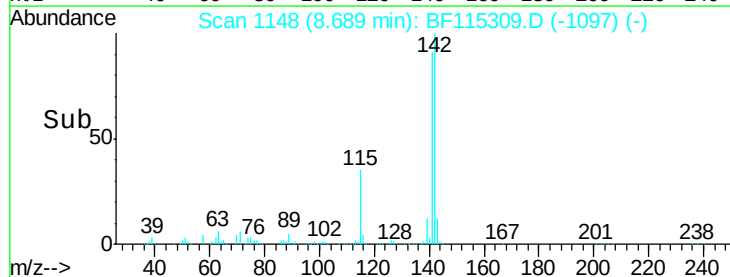
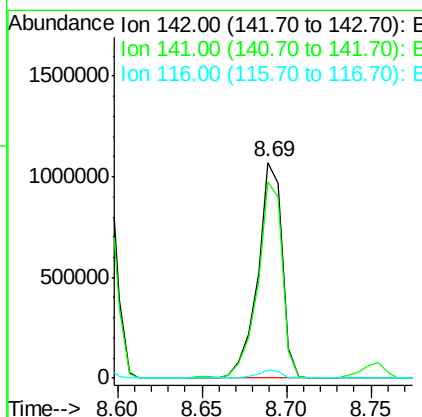
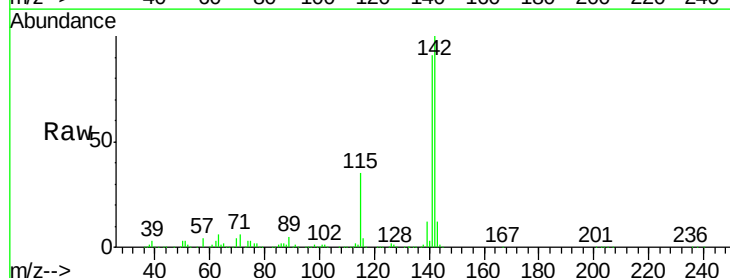
Manual Integrations
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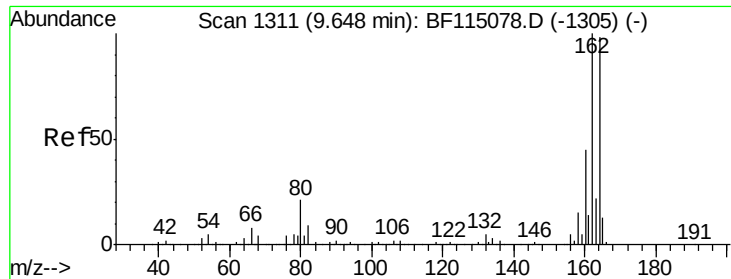
mohammad
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#38
1-Methylnaphthalene
Concen: 44.762 ng
RT: 8.69 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion:142 Resp: 1067057
Ion Ratio Lower Upper
142 100
141 91.3 73.8 110.8
116 3.7 2.8 4.2





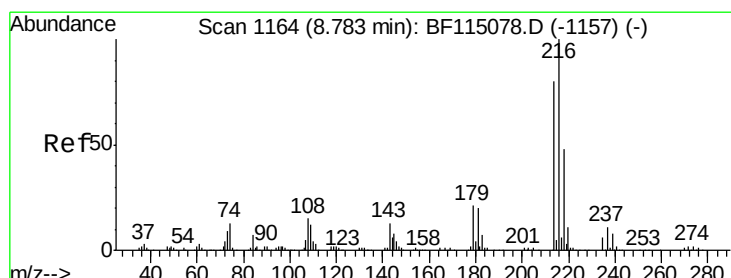
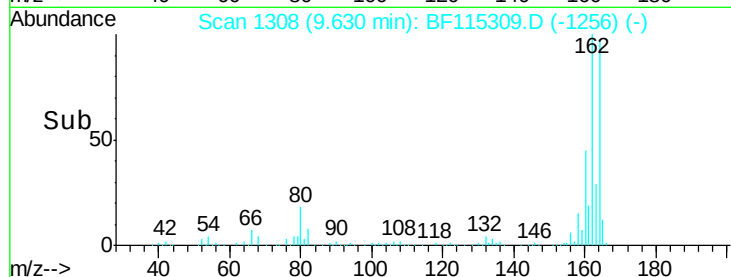
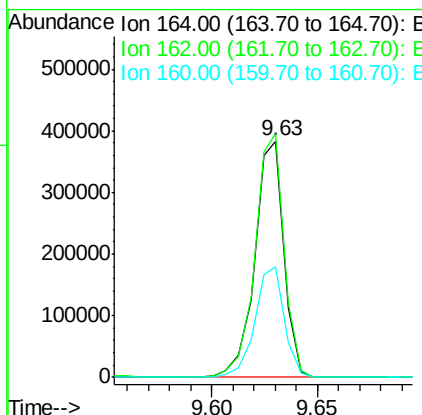
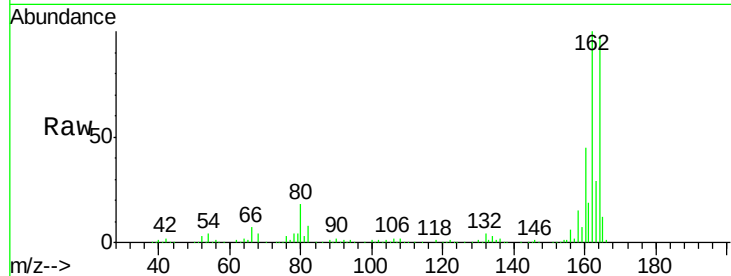
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	366731		
162	103.1	81.7	122.5	
160	46.6	37.0	55.4	

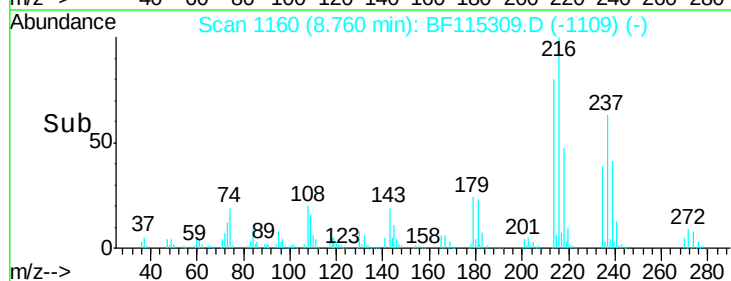
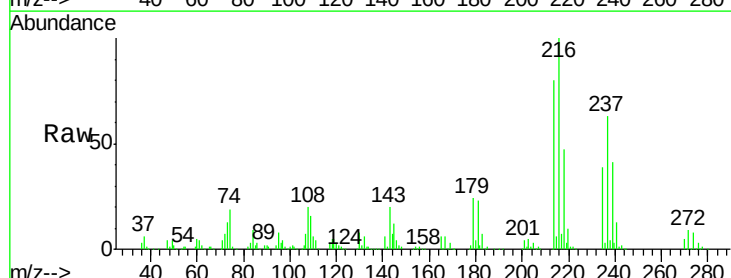
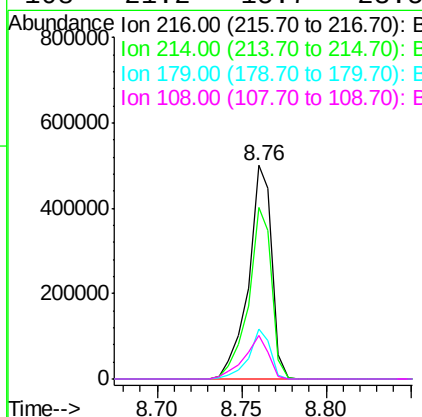
Manual Integrations
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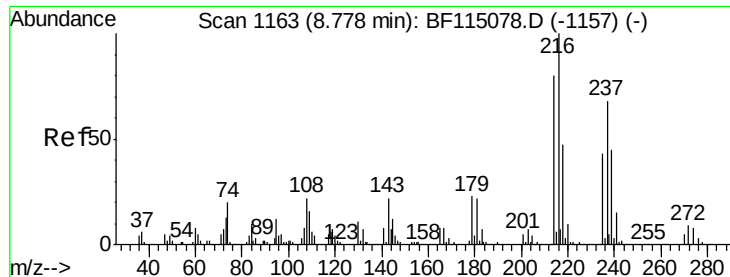
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.815 ng
RT: 8.76 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	485150		
214	79.0	63.8	95.6	
179	22.1	17.6	26.4	
108	21.2	15.7	23.5	





#41

Hexachlorocyclopentadiene

Concen: 94.656 ng

RT: 8.75 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

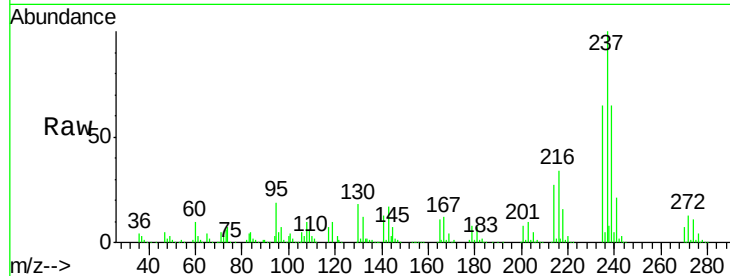
ClientSampleId :

PB121004BS

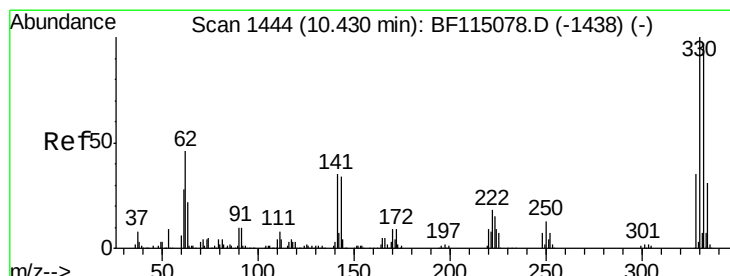
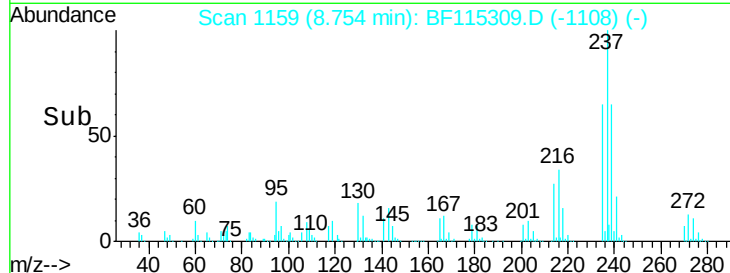
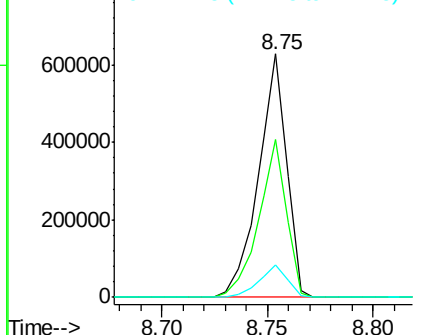
Tgt Ion:	237	Resp:	581659
Ion Ratio	Lower	Upper	
237	100		
235	64.6	43.9	83.9
272	13.4	0.0	33.8

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



#42

2,4,6-Tribromophenol

Concen: 135.111 ng

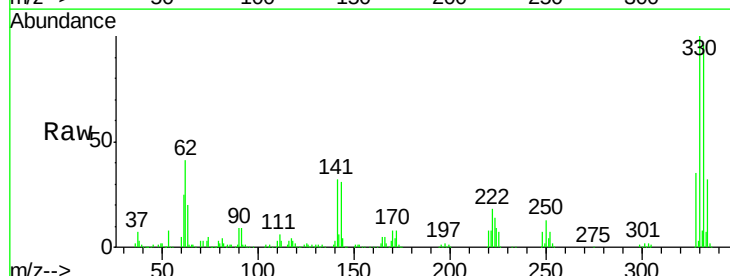
RT: 10.41 min Scan# 1441

Delta R.T. 0.01 min

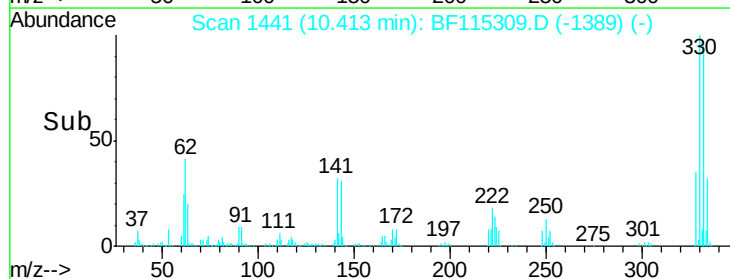
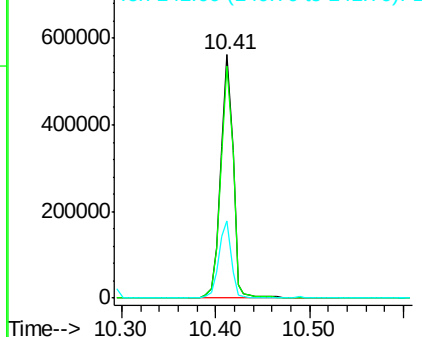
Lab File: BF115309.D

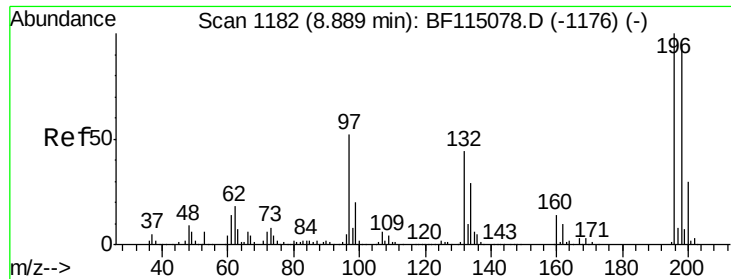
Acq: 29 Jun 2019 8:48

Tgt Ion:	330	Resp:	522515
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.3	115.9
141	32.1	28.2	42.2



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





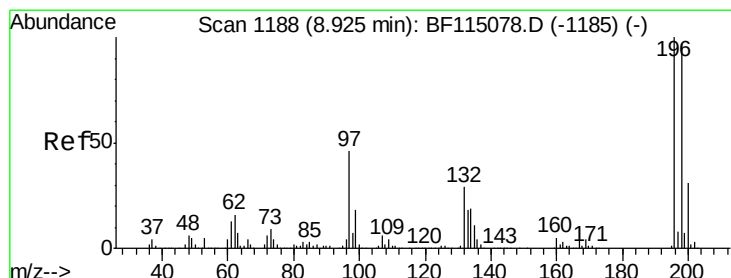
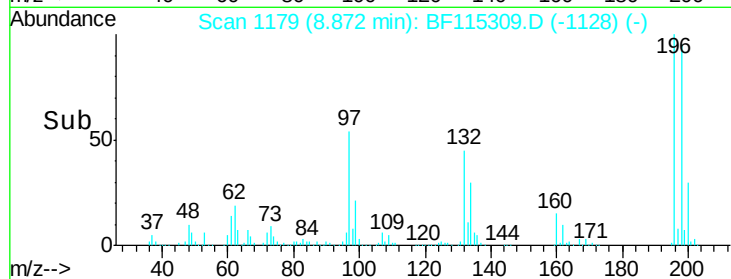
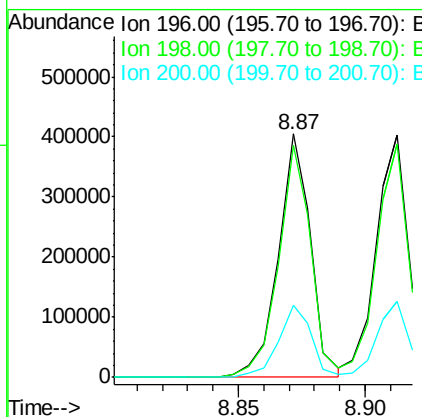
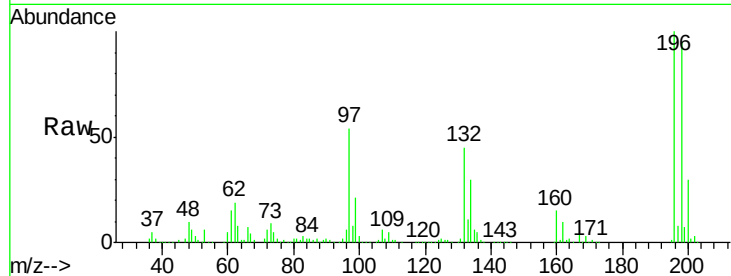
#43
 2,4,6-Trichlorophenol
 Concen: 45.037 ng
 RT: 8.87 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	360325		
198	95.4	76.3	114.5	
200	29.7	24.2	36.4	

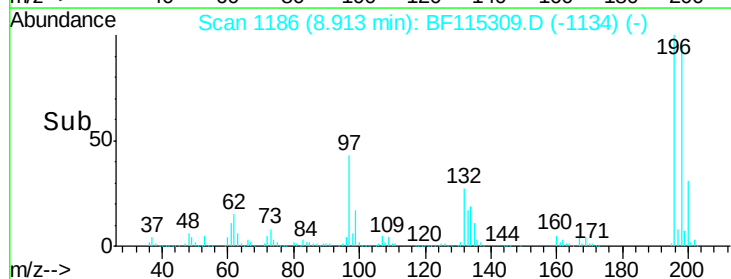
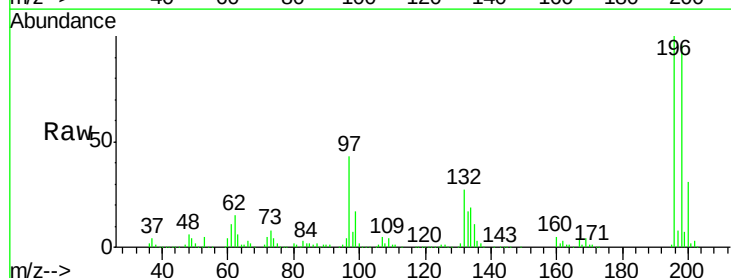
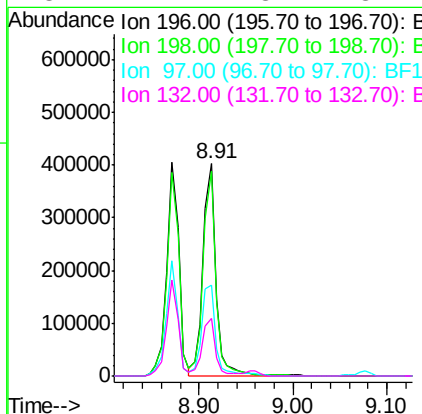
Manual Integrations
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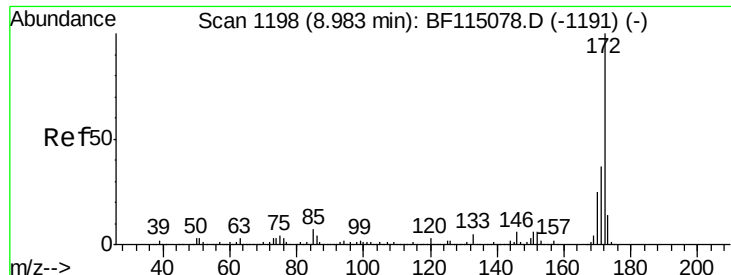
mohammad
 7/1/2019 5:58:45 PM



#44
 2,4,5-Trichlorophenol
 Concen: 47.195 ng
 RT: 8.91 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	388850		
198	96.4	77.1	115.7	
97	42.5	37.7	56.5	
132	27.1	23.1	34.7	





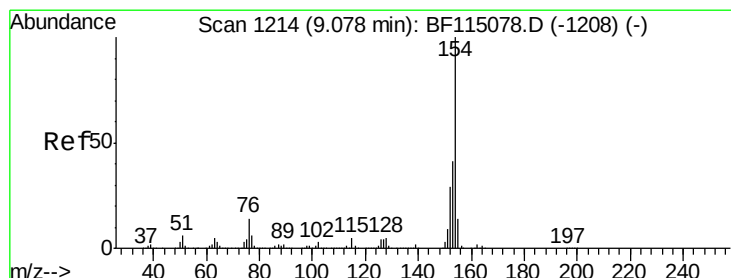
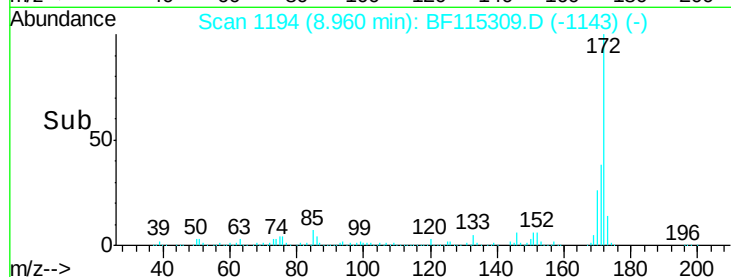
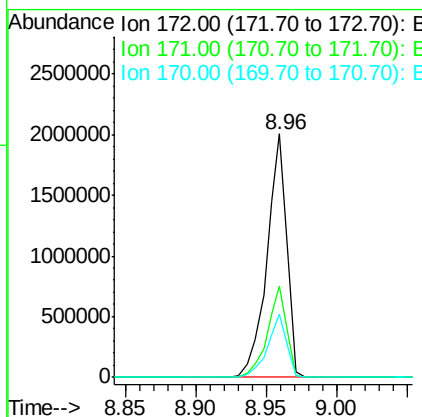
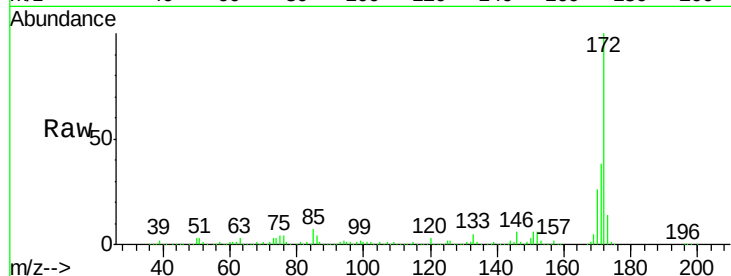
#45
2-Fluorobiphenyl
Concen: 91.295 ng
RT: 8.96 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion:172 Resp: 1971058
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 25.7 20.3 30.5

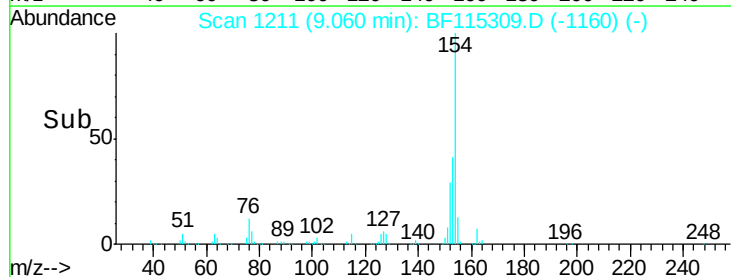
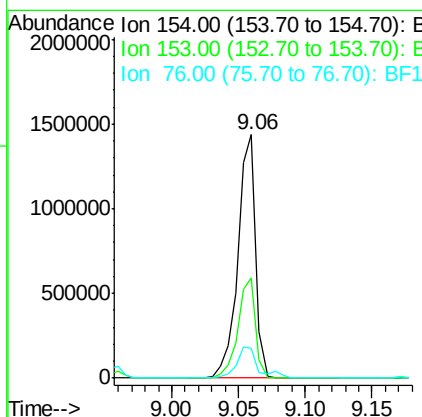
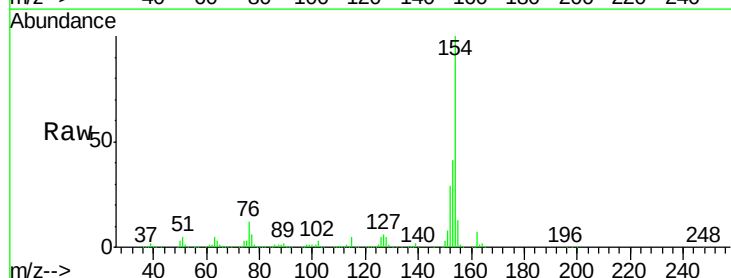
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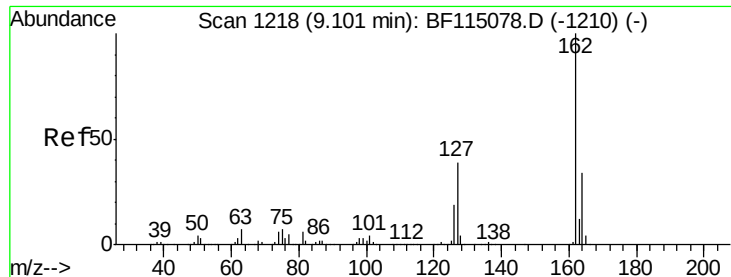
mohammad
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#46
1,1'-Biphenyl
Concen: 45.354 ng
RT: 9.06 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion:154 Resp: 1330854
Ion Ratio Lower Upper
154 100
153 41.0 20.9 60.9
76 12.0 0.0 34.1





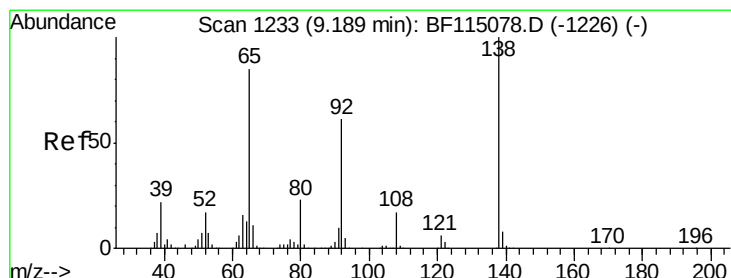
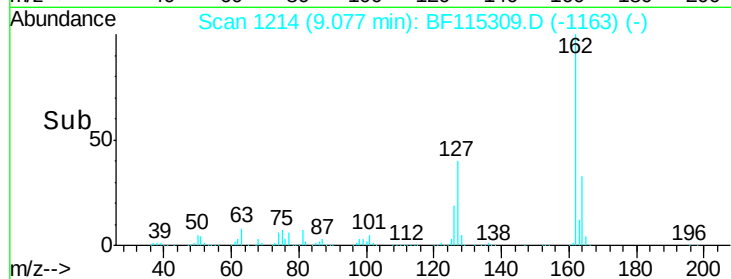
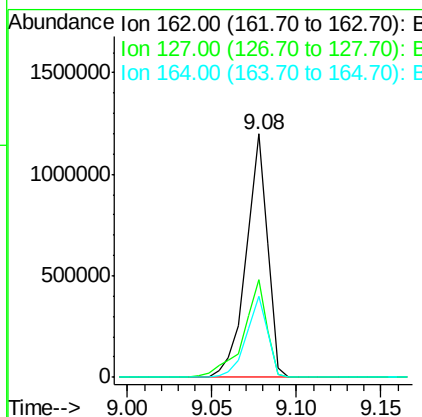
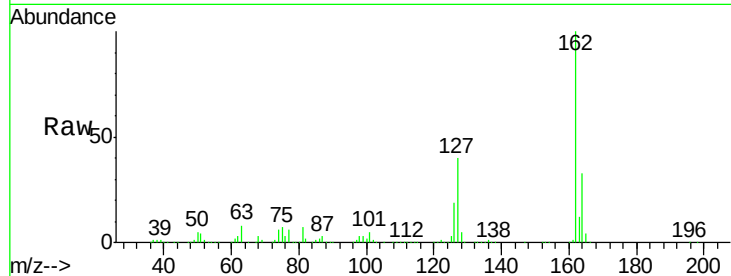
#47
 2-Chloronaphthalene
 Concen: 44.658 ng
 RT: 9.08 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion: 162 Resp: 1062955
 Ion Ratio Lower Upper
 162 100
 127 40.0 30.8 46.2
 164 33.2 27.0 40.4

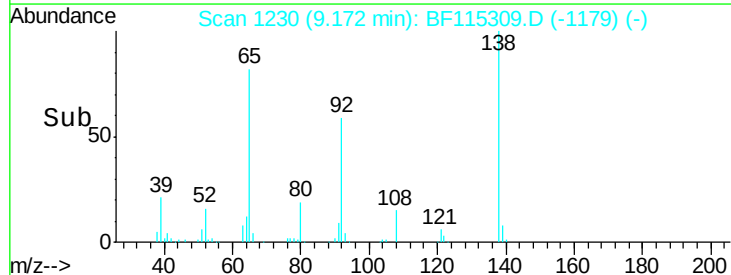
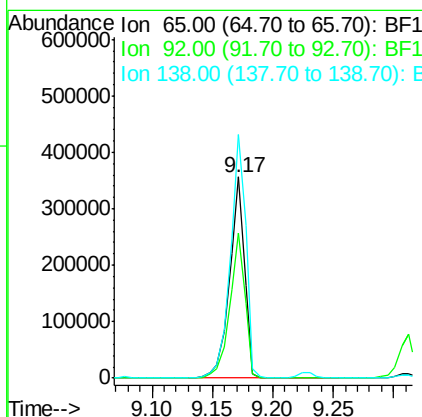
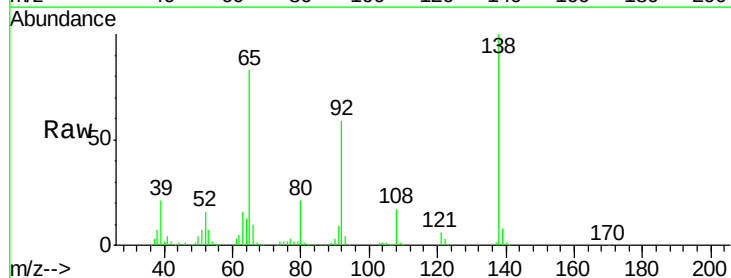
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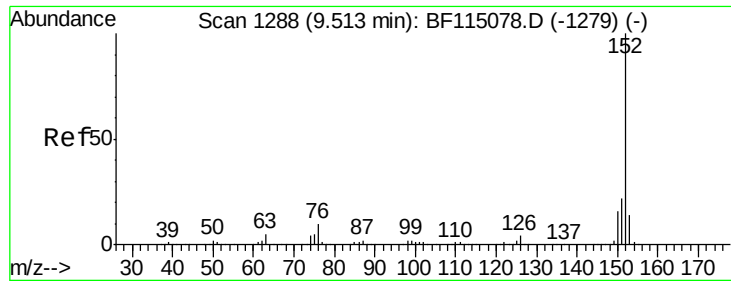
mohammad
 7/1/2019 5:58:45 PM



#48
 2-Nitroaniline
 Concen: 44.486 ng
 RT: 9.17 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion: 65 Resp: 308702
 Ion Ratio Lower Upper
 65 100
 92 72.0 57.4 86.2
 138 121.1 94.1 141.1





#49

Acenaphthylene

Concen: 45.356 ng

RT: 9.49 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

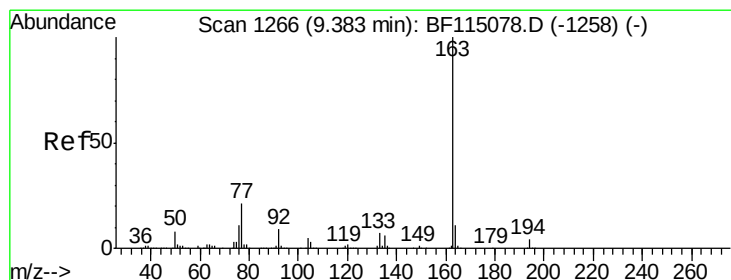
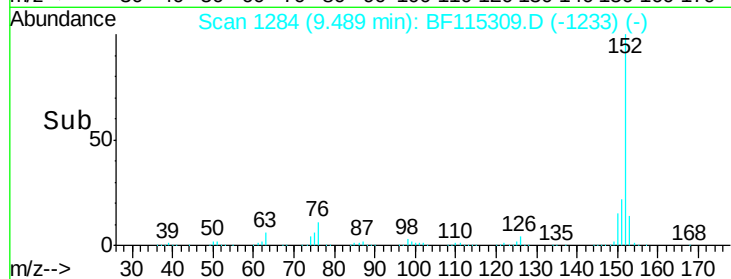
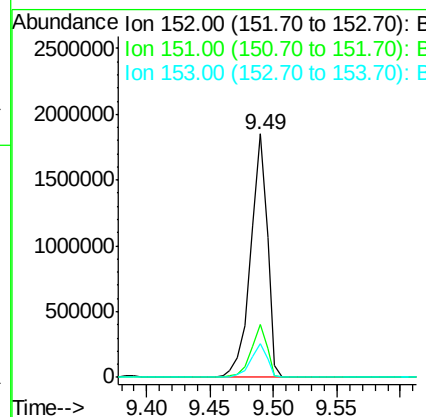
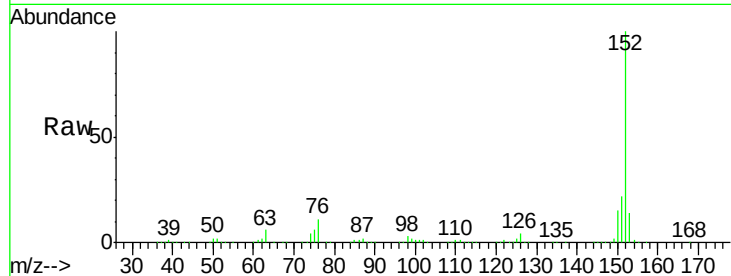
ClientSampleId :

PB121004BS

Tgt Ion:	152	Resp:	1682022
Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.2	25.8
153	14.0	11.0	16.6

Manual Integrations
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#50

Dimethylphthalate

Concen: 44.799 ng

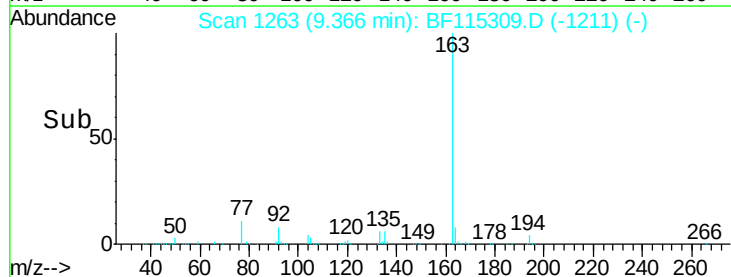
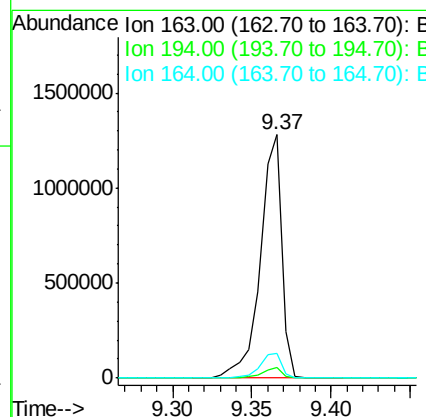
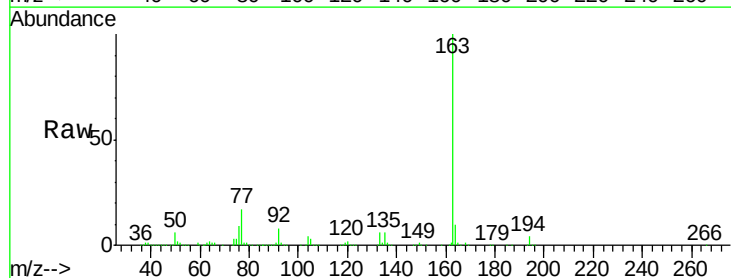
RT: 9.37 min Scan# 1263

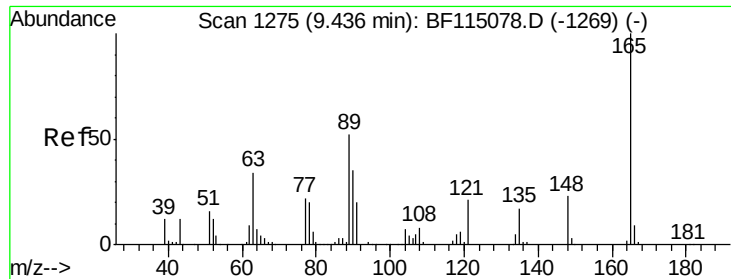
Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion:	163	Resp:	1208727
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.3	8.6	13.0





#51

2,6-Dinitrotoluene

Concen: 45.929 ng

RT: 9.42 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

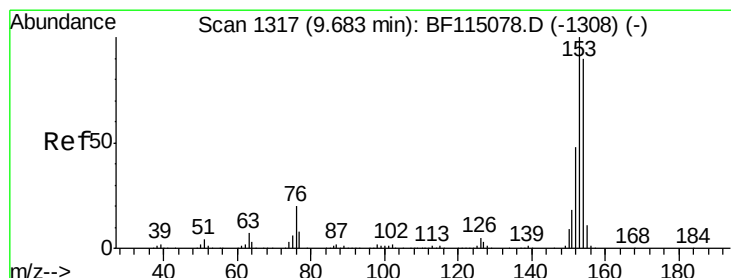
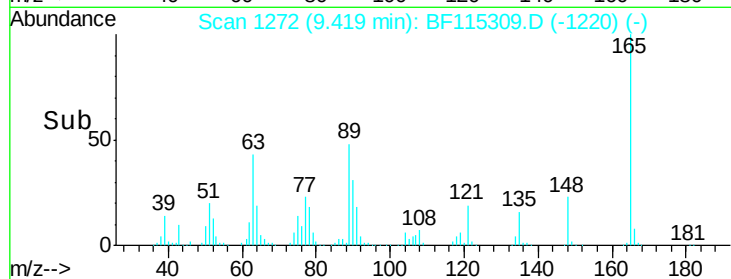
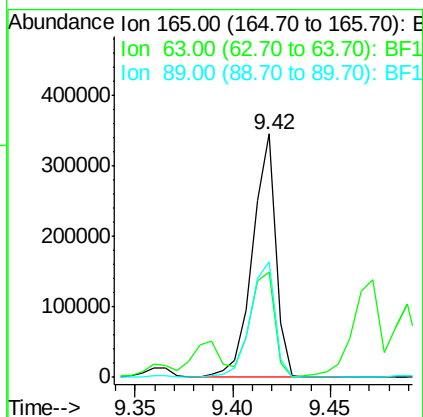
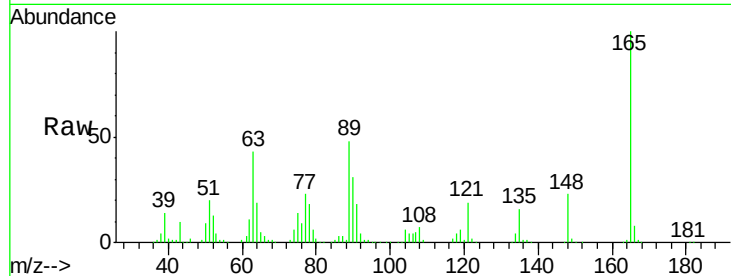
ClientSampleId :

PB121004BS

Tgt Ion:	165	Resp:	286094
Ion Ratio	Lower	Upper	
165	100		
63	43.5	39.4	59.2
89	47.5	42.0	63.0

Manual Integrations
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#52

Acenaphthene

Concen: 42.488 ng

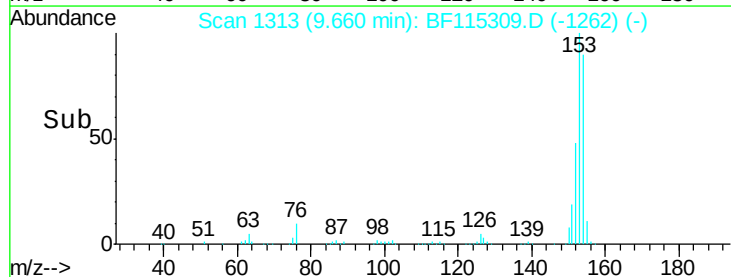
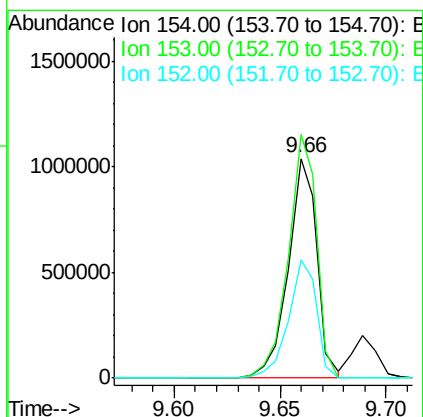
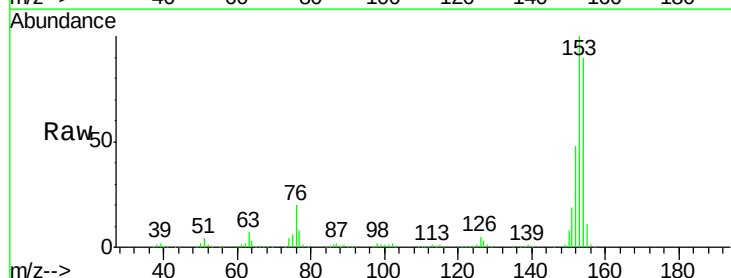
RT: 9.66 min Scan# 1313

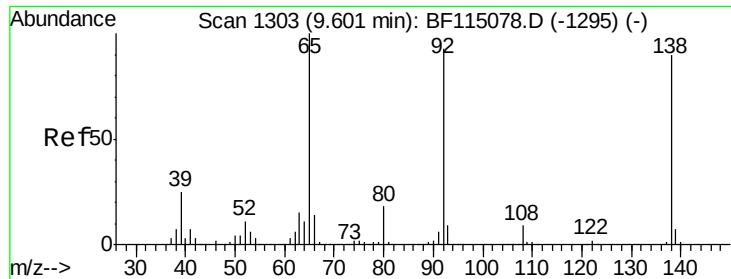
Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion:	154	Resp:	985959
Ion Ratio	Lower	Upper	
154	100		
153	111.0	88.7	133.1
152	53.7	42.6	64.0





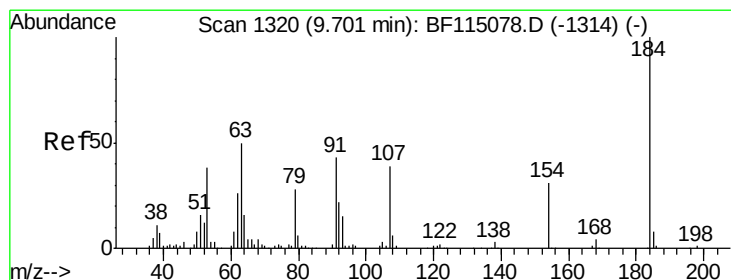
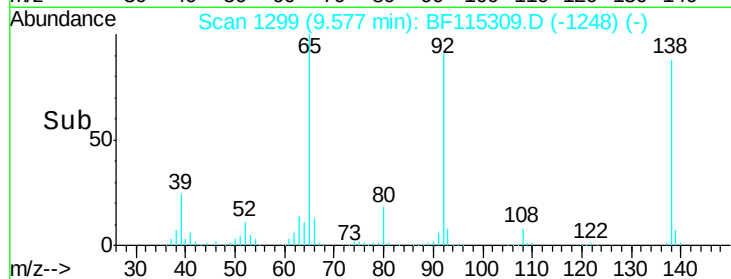
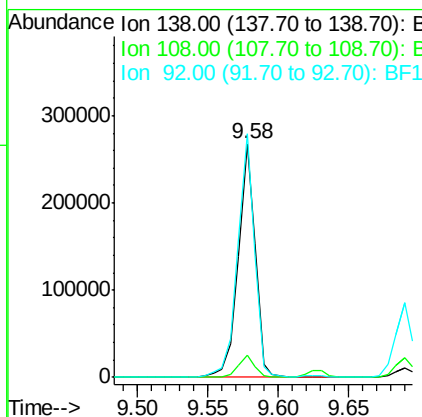
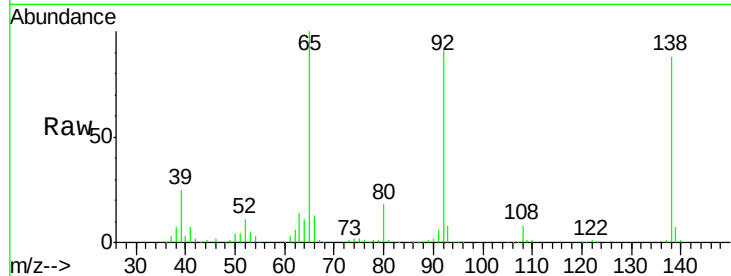
#53
 3-Nitroaniline
 Concen: 29.600 ng
 RT: 9.58 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	225006		
108	9.3	7.8	11.6	
92	104.3	82.9	124.3	

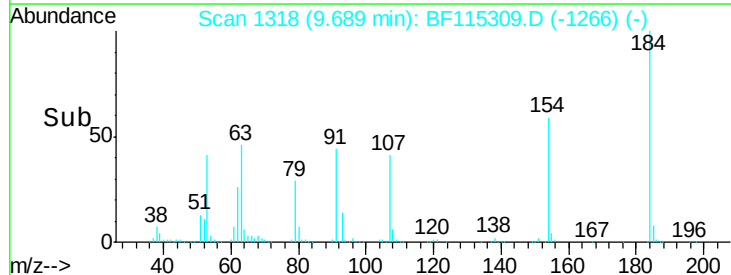
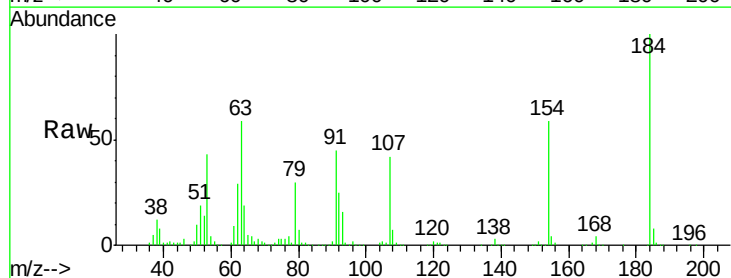
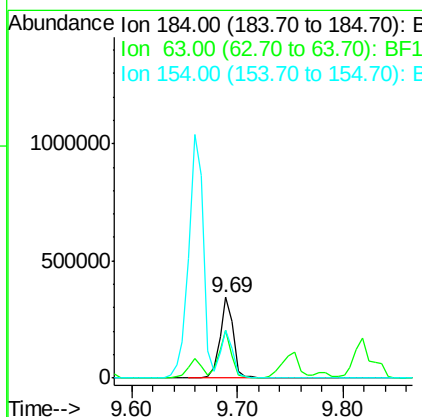
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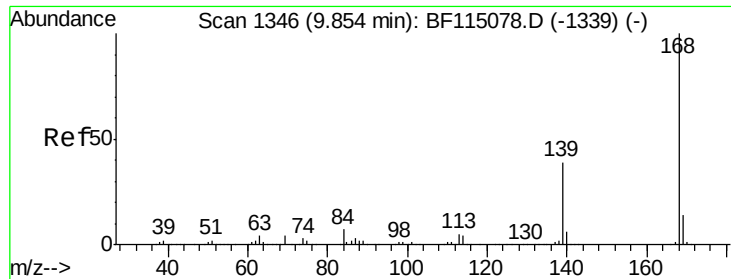
mohammad
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#54
 2,4-Dinitrophenol
 Concen: 95.750 ng
 RT: 9.69 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	312009		
63	59.3	41.9	62.9	
154	58.7	44.7	67.1	





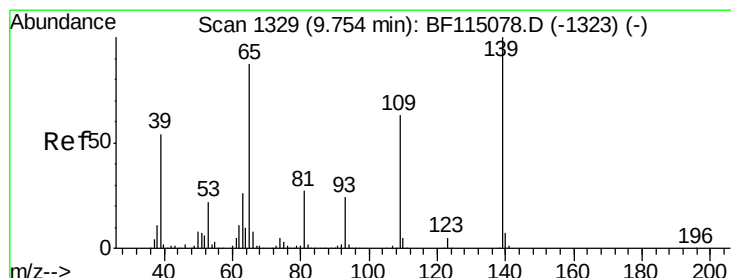
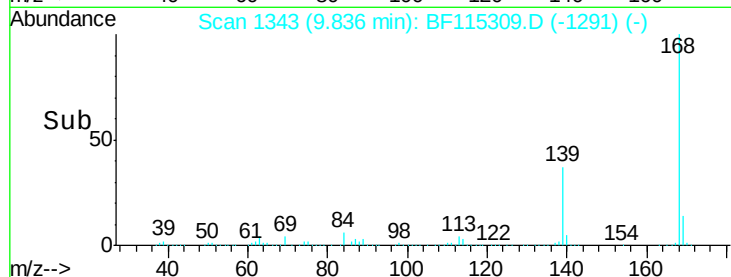
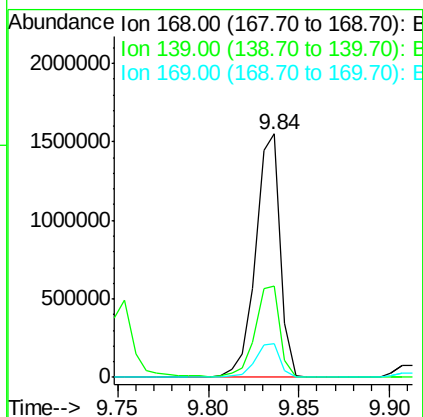
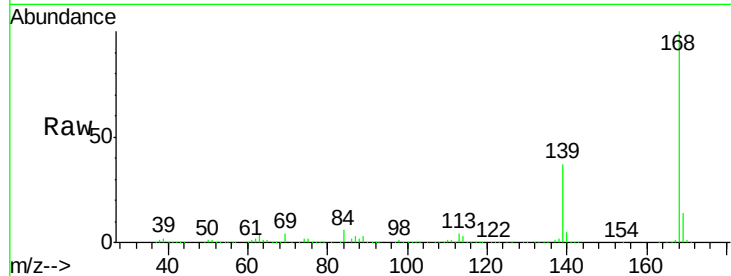
#55
Dibenzofuran
Concen: 44.007 ng
RT: 9.84 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion:168 Resp: 1465706
Ion Ratio Lower Upper
168 100
139 37.5 31.1 46.7
169 13.7 11.3 16.9

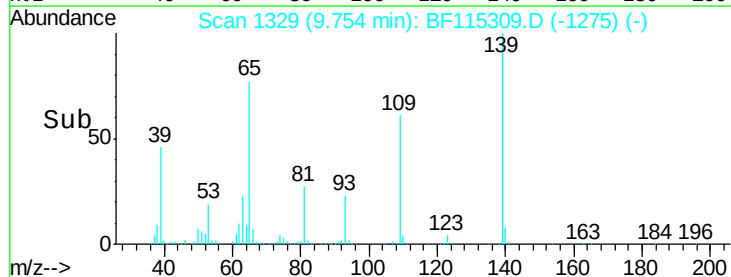
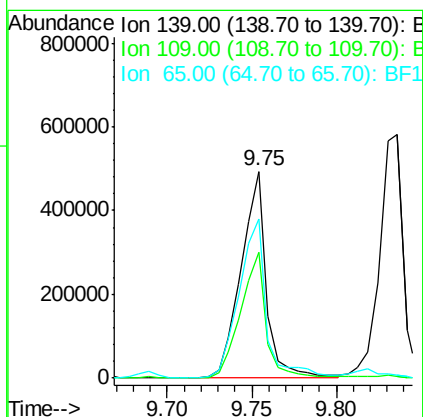
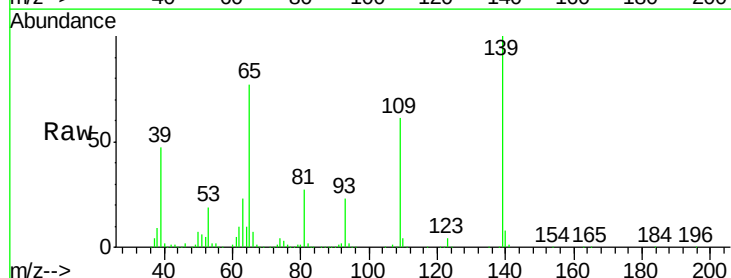
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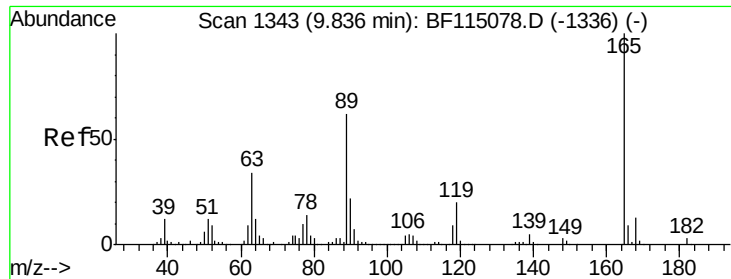
mohammad
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#56
4-Nitrophenol
Concen: 85.569 ng
RT: 9.75 min Scan# 1329
Delta R.T. 0.02 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion:139 Resp: 521475
Ion Ratio Lower Upper
139 100
109 61.2 43.0 83.0
65 77.1 67.0 107.0





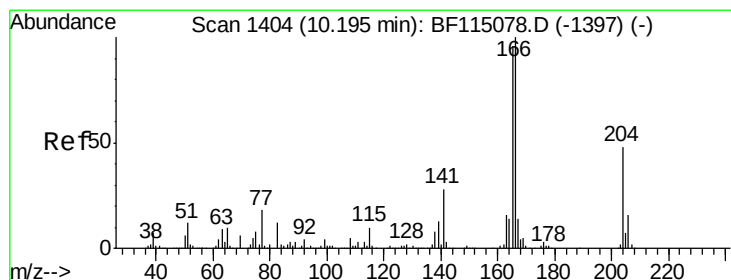
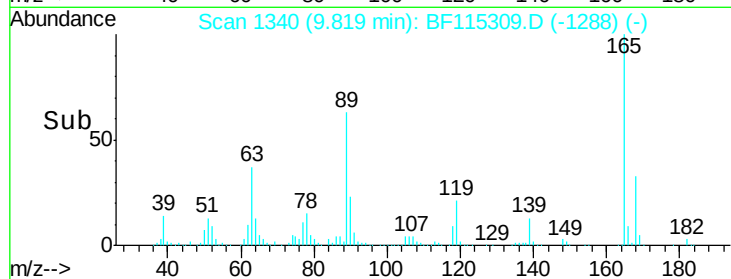
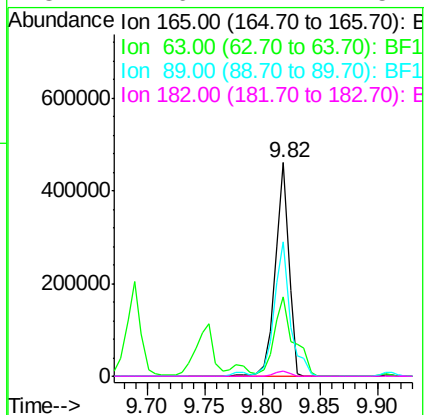
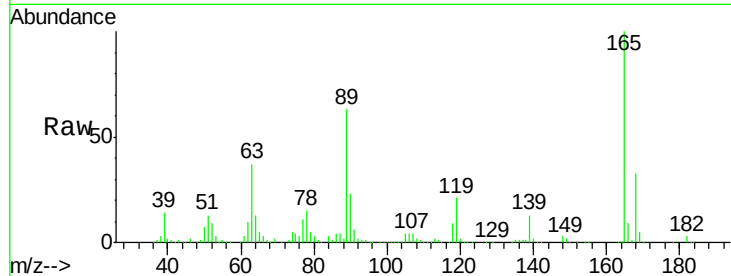
#57
2,4-Dinitrotoluene
Concen: 46.835 ng
RT: 9.82 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	376701		
63	37.3	27.5	41.3	
89	63.2	49.9	74.9	
182	2.6	2.1	3.1	

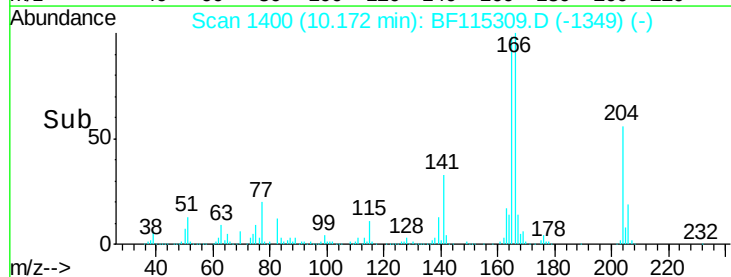
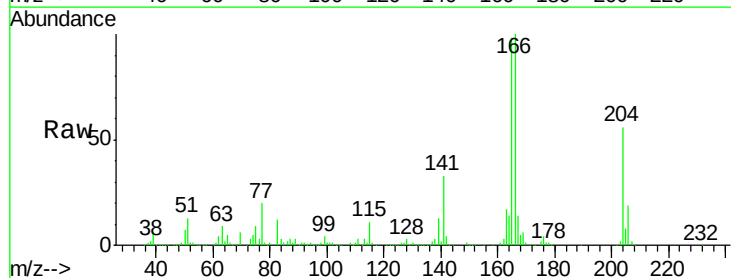
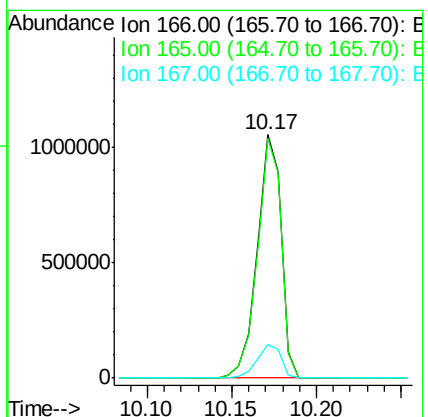
Manual Integrations
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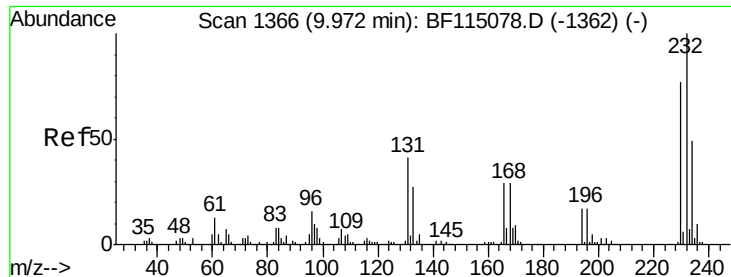
mohammad
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#58
Fluorene
Concen: 47.372 ng
RT: 10.17 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1042789		
165	98.4	76.5	114.7	
167	14.0	11.0	16.4	





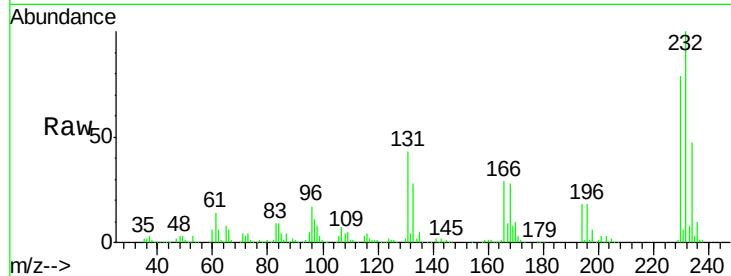
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.275 ng
 RT: 9.95 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

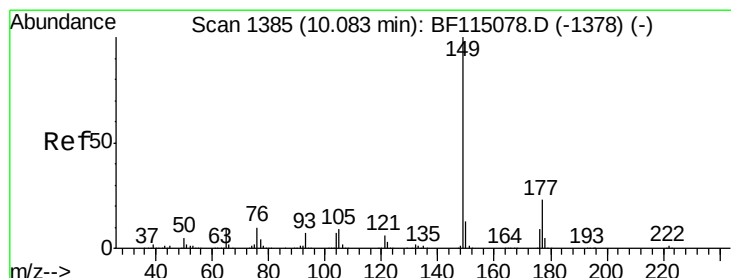
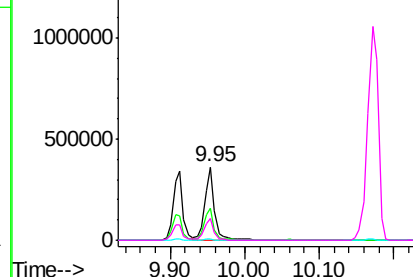
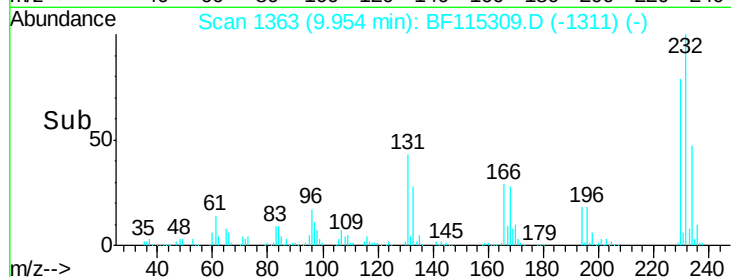
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	333519		
131	44.7	37.4	56.0	
130	2.0	1.8	2.6	
166	29.0	24.6	36.8	

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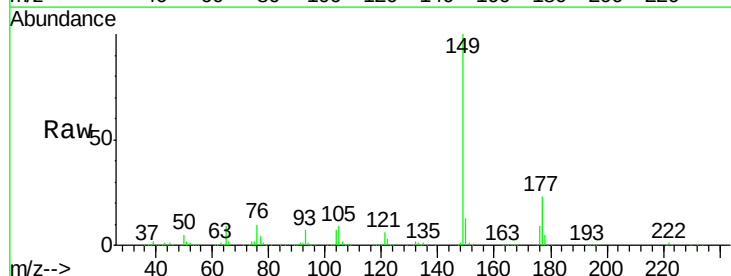


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

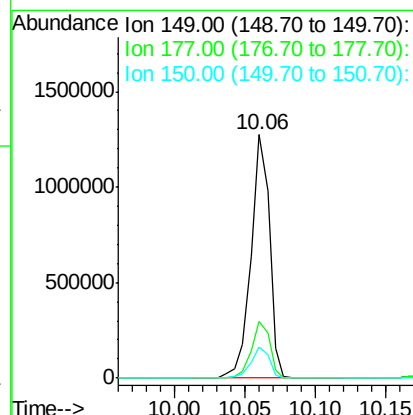
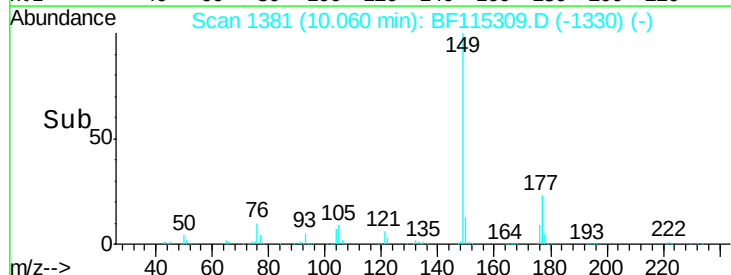


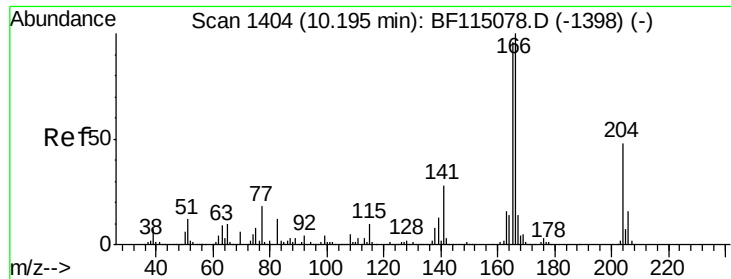
#60
 Diethylphthalate
 Concen: 43.237 ng
 RT: 10.06 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1172649		
177	23.2	18.7	28.1	
150	12.9	10.4	15.6	



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





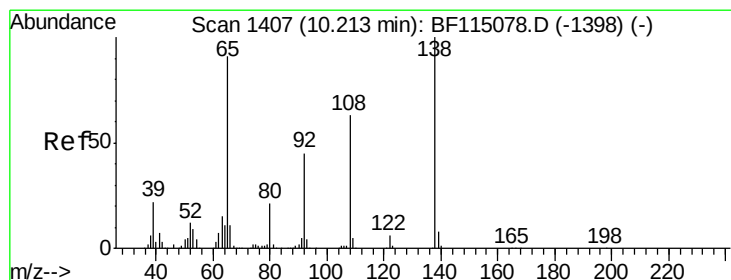
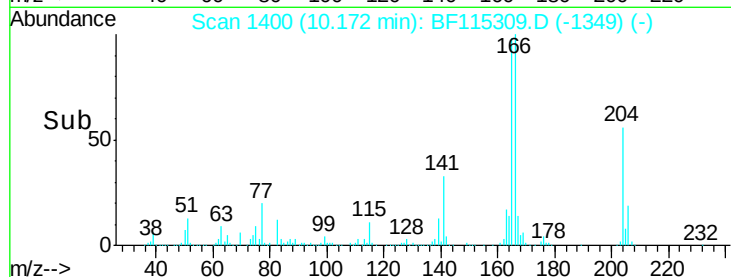
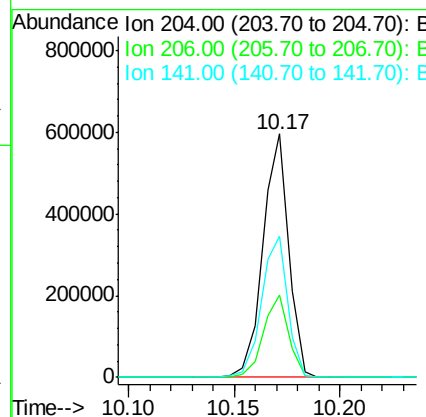
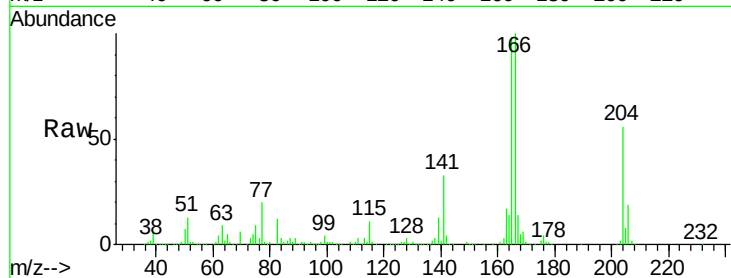
#61
4-Chlorophenyl-phenylether
Concen: 48.474 ng
RT: 10.17 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
204	100		
206	33.7	26.6	40.0
141	58.1	46.7	70.1

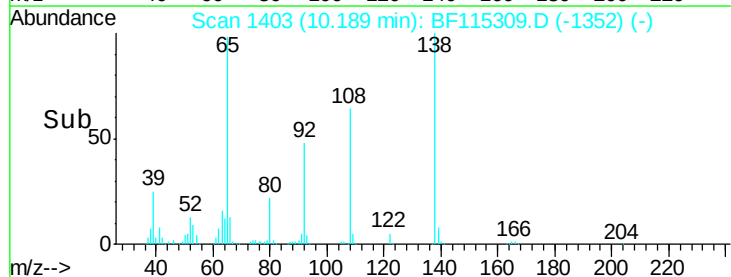
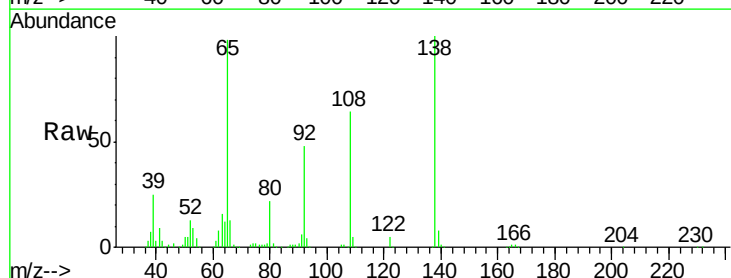
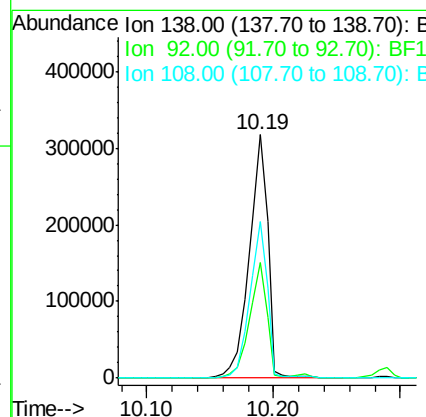
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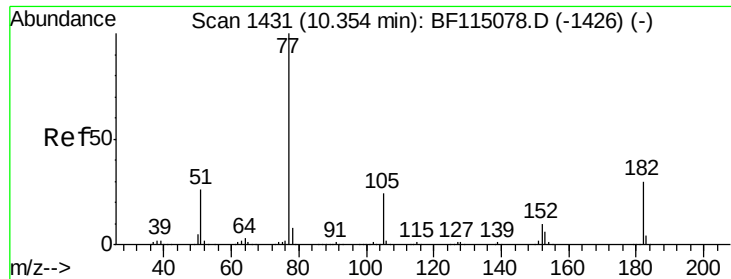
mohammad
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#62
4-Nitroaniline
Concen: 42.122 ng
RT: 10.19 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
138	100		
92	47.7	24.8	64.8
108	64.4	43.3	83.3





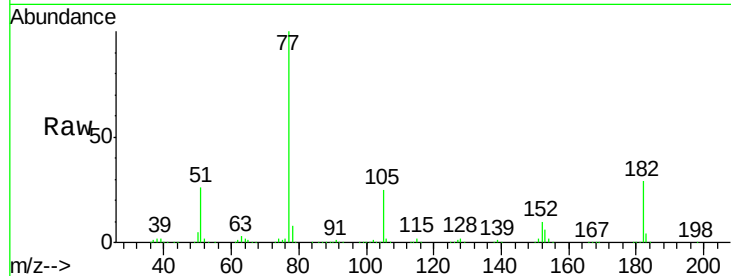
#63
Azobenzene
Concen: 43.688 ng
RT: 10.33 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.3	10.1	50.1
105	24.8	4.5	44.5
51	26.2	6.4	46.4

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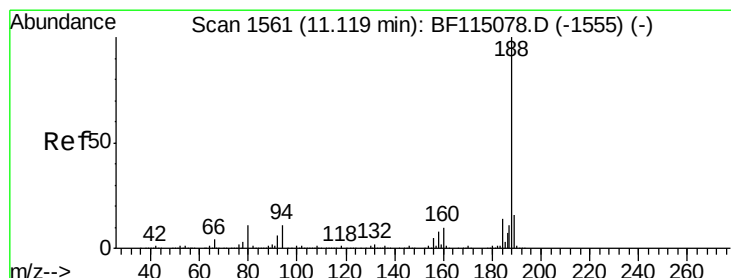
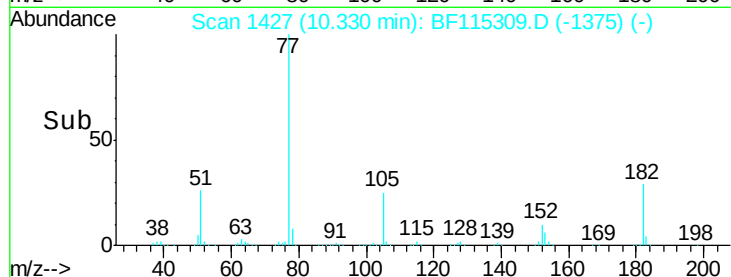
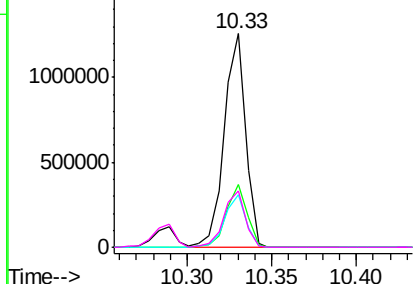
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

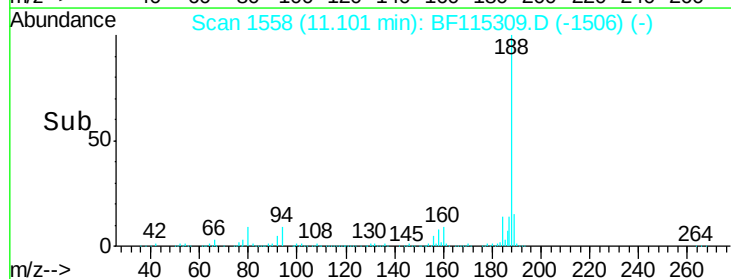
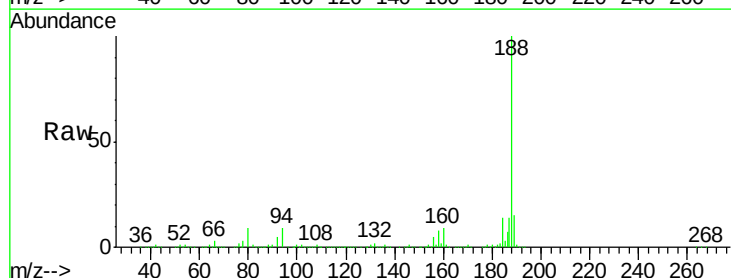
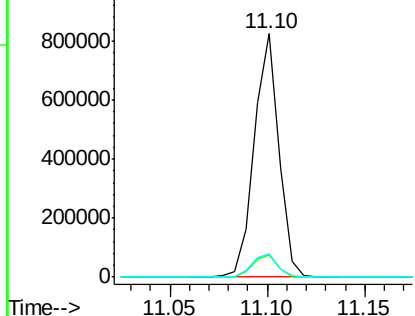
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.6	12.8
80	9.5	8.8	13.2

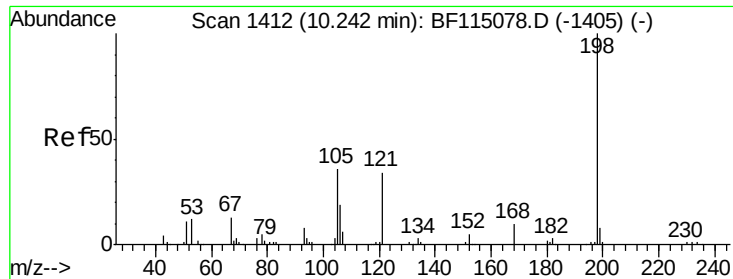
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





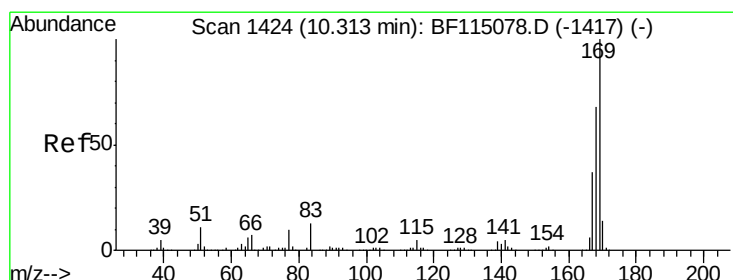
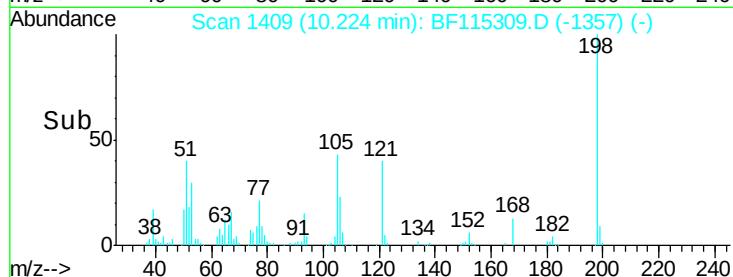
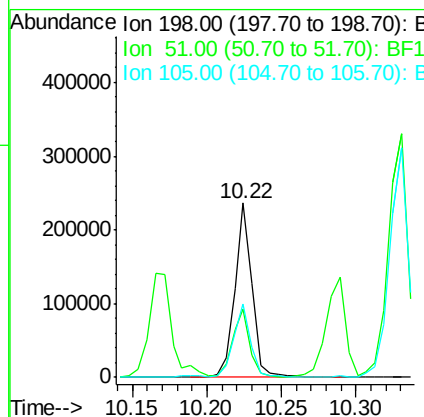
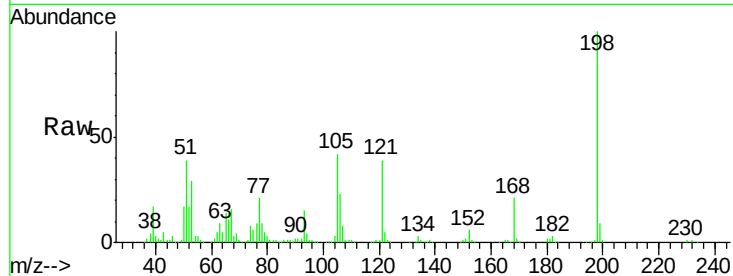
#65
4,6-Dinitro-2-methylphenol
Concen: 50.396 ng
RT: 10.22 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	193268		
51	39.0	11.0	51.0	
105	42.3	17.3	57.3	

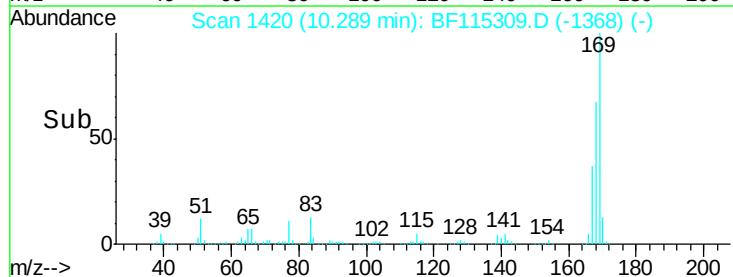
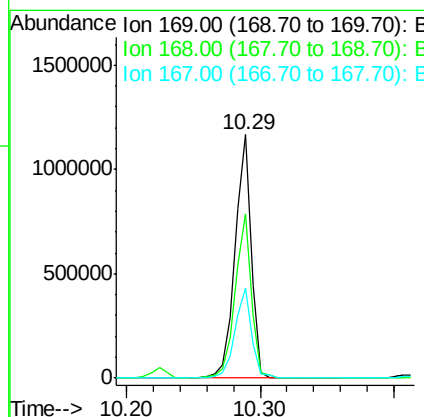
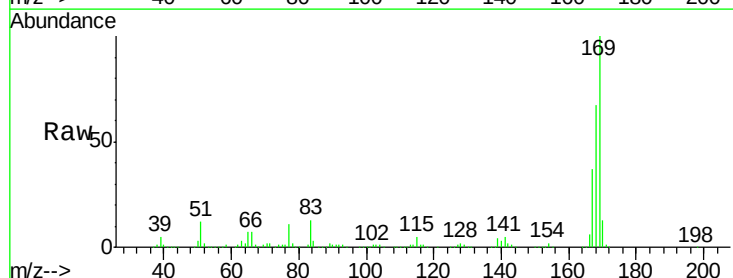
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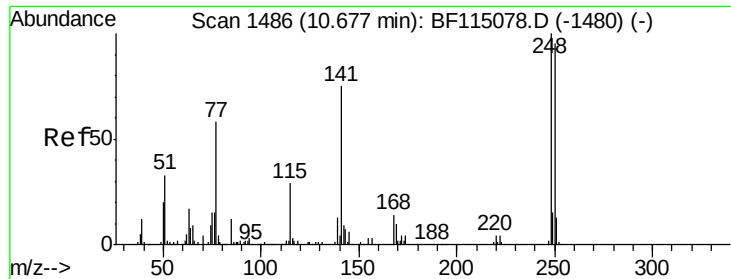
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 44.911 ng
RT: 10.29 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1002976		
168	67.5	54.2	81.4	
167	36.8	29.4	44.0	





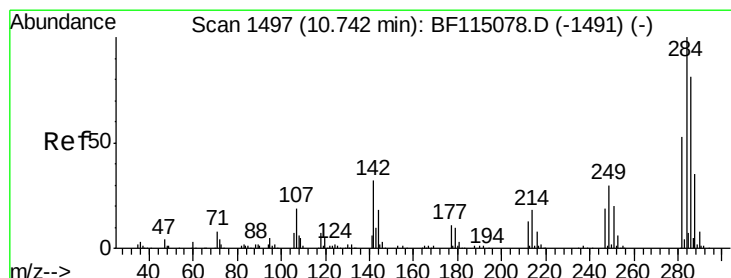
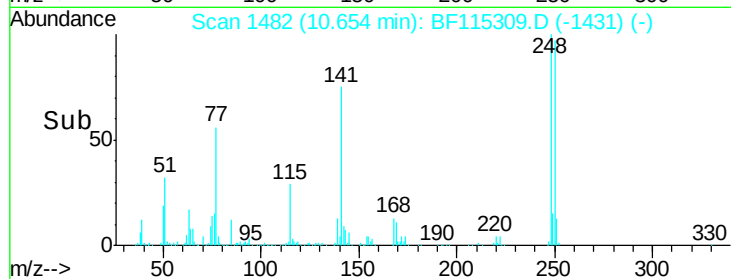
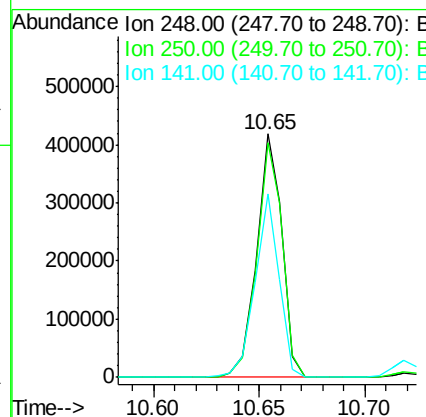
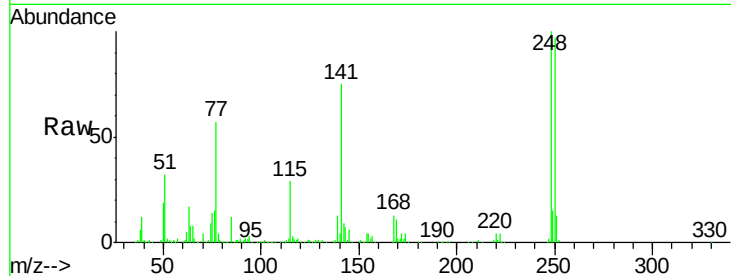
#67
 4-Bromophenyl-phenylether
 Concen: 44.758 ng
 RT: 10.65 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.6	76.2	114.2
141	75.4	59.6	89.4

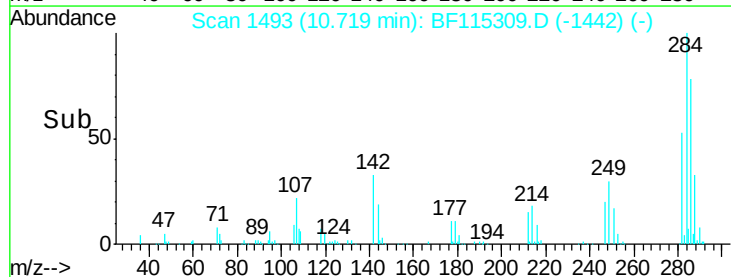
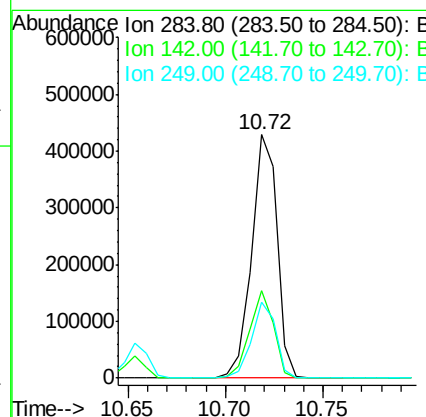
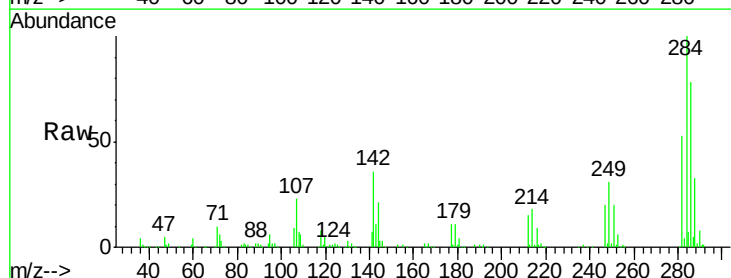
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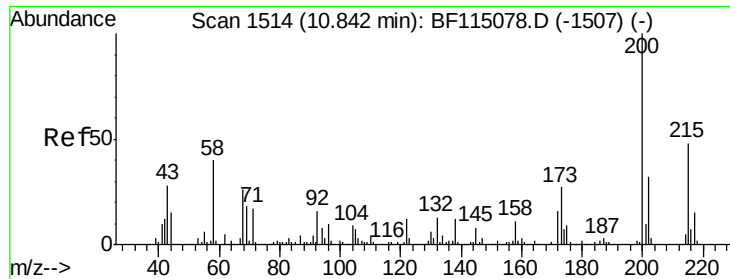
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#68
 Hexachlorobenzene
 Concen: 45.924 ng
 RT: 10.72 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.0	25.8	38.8
249	31.3	24.2	36.4





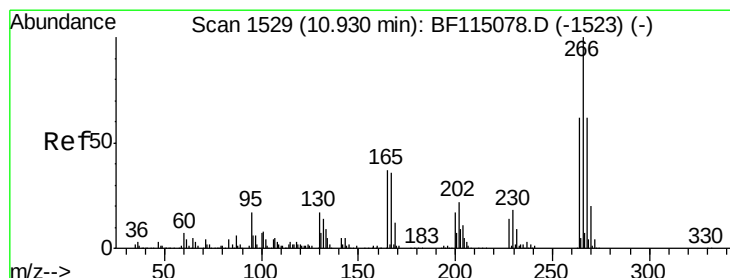
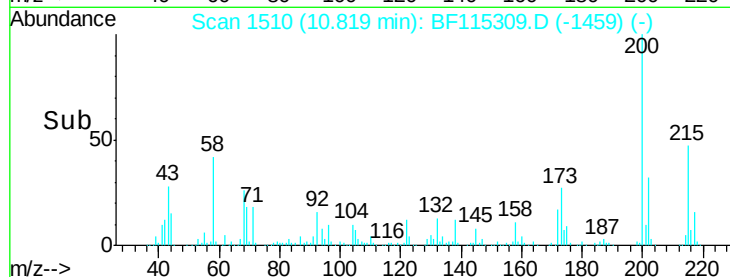
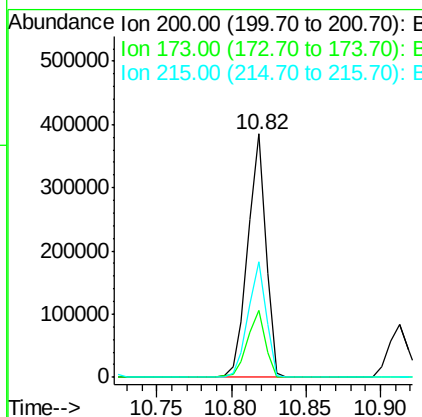
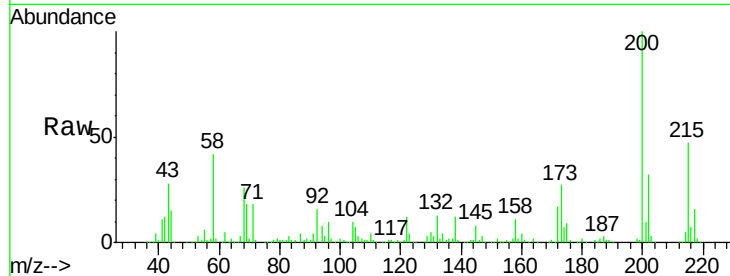
#69
 Atrazine
 Concen: 45.072 ng
 RT: 10.82 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	323796		
173	27.5	7.4	47.4	
215	47.3	27.8	67.8	

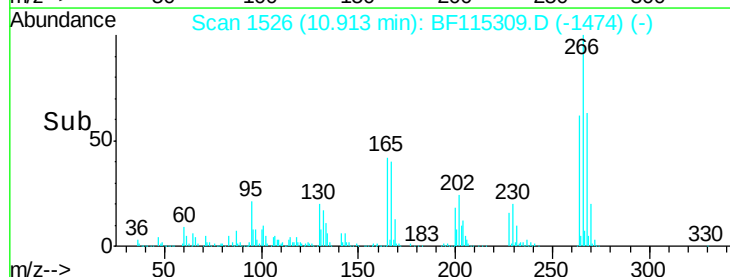
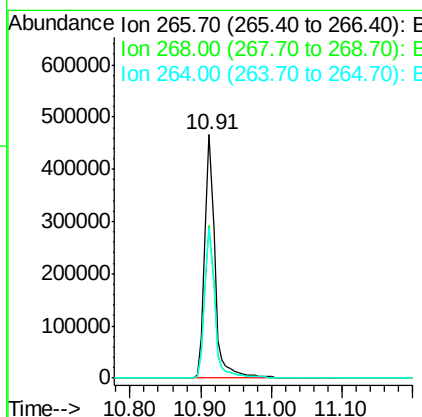
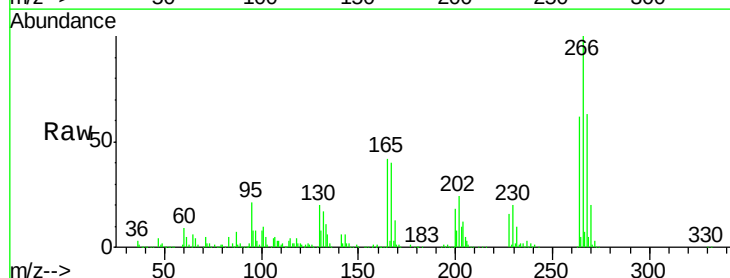
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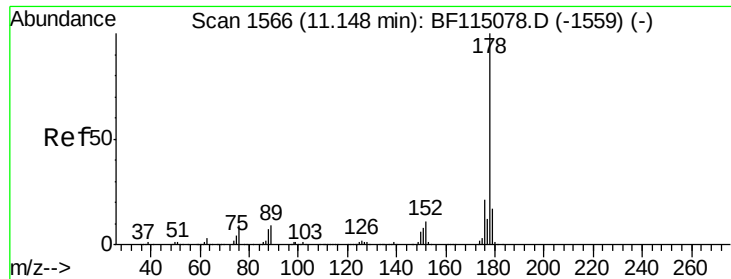
mohammad
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#70
 Pentachlorophenol
 Concen: 87.855 ng
 RT: 10.91 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	472149		
268	62.9	49.5	74.3	
264	61.6	49.3	73.9	





#71

Phenanthrene

Concen: 42.987 ng

RT: 11.12 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion:178 Resp: 1659070

Ion Ratio Lower Upper

178 100

176 20.9 16.9 25.3

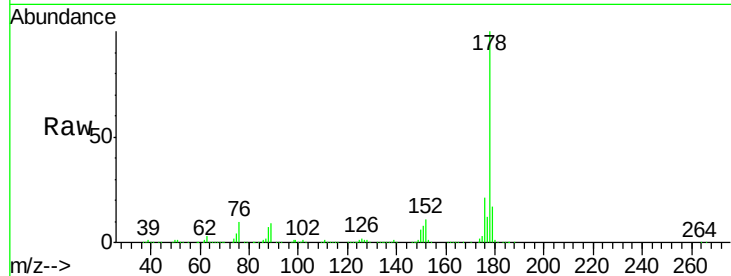
179 16.6 13.2 19.8

Manual Integrations

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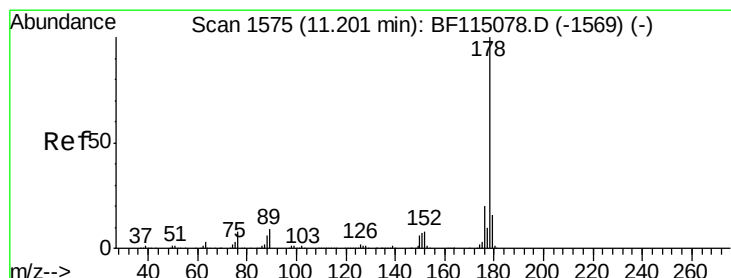
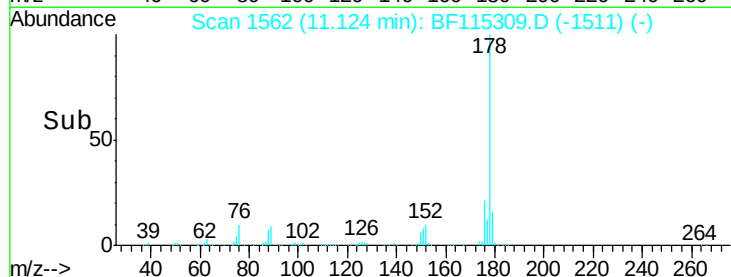
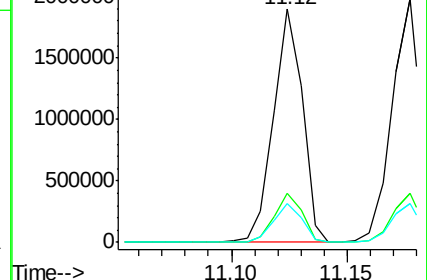
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.335 ng

RT: 11.18 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion:178 Resp: 1727220

Ion Ratio Lower Upper

178 100

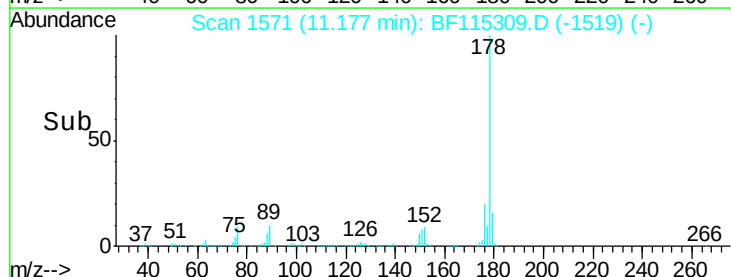
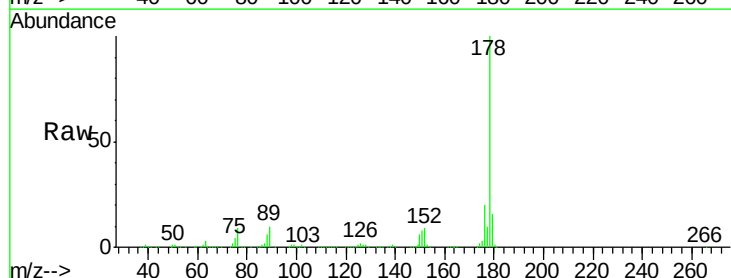
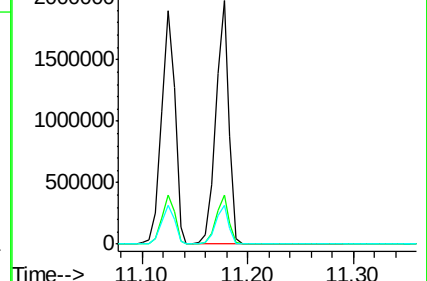
176 20.1 16.1 24.1

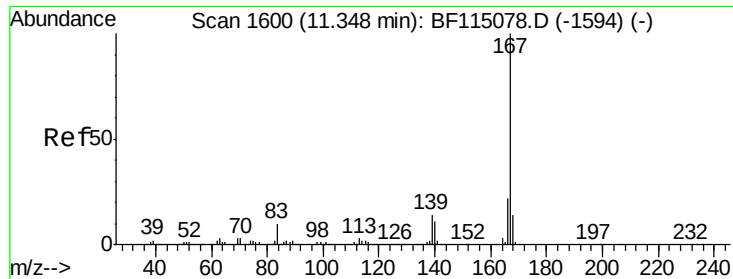
179 16.1 12.9 19.3

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





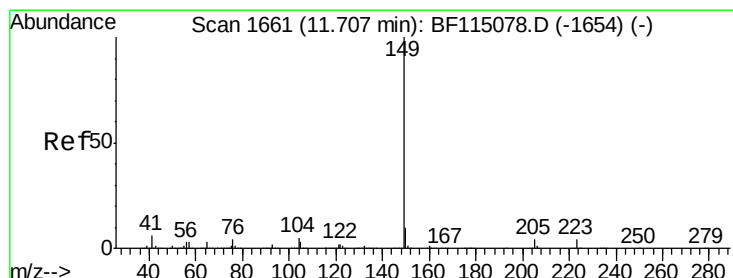
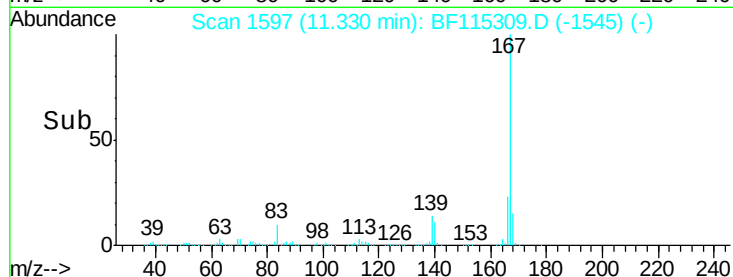
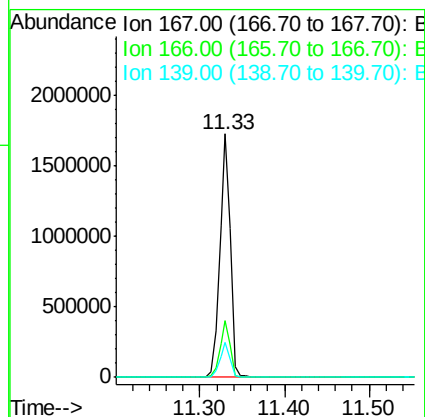
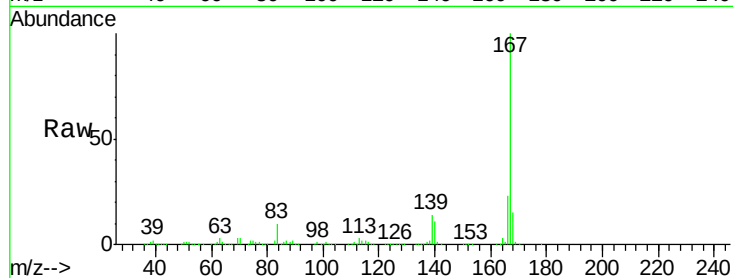
#73
 Carbazole
 Concen: 44.245 ng
 RT: 11.33 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion:167 Resp: 1539221
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.0 27.0
 139 14.1 11.1 16.7

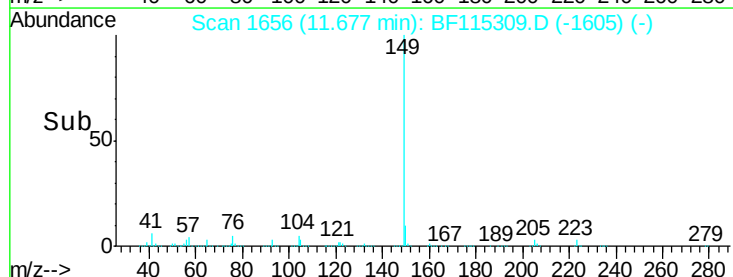
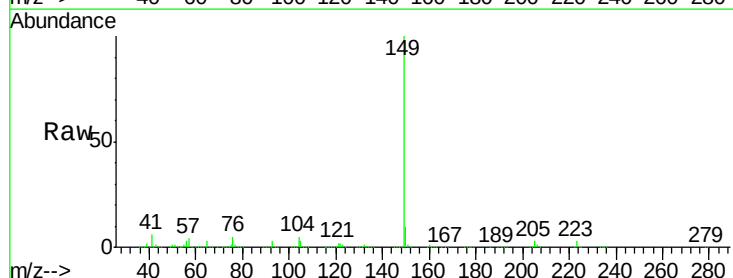
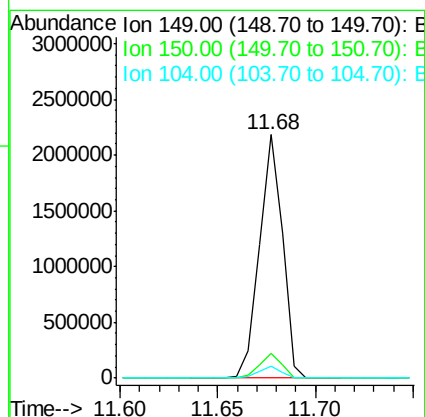
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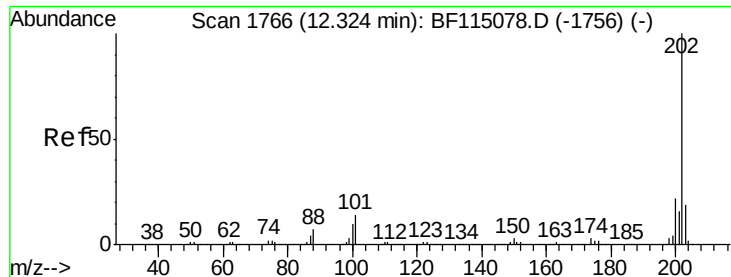
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#74
 Di-n-butylphthalate
 Concen: 44.372 ng
 RT: 11.68 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion:149 Resp: 1783783
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.8 11.8
 104 4.8 3.7 5.5





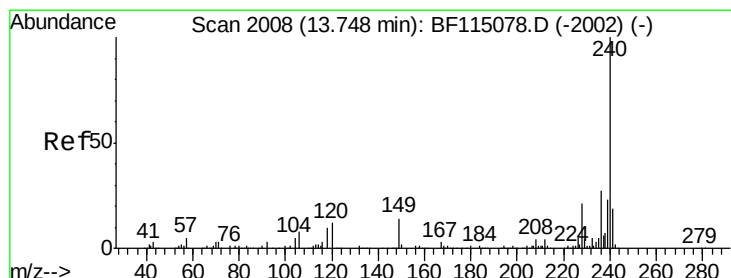
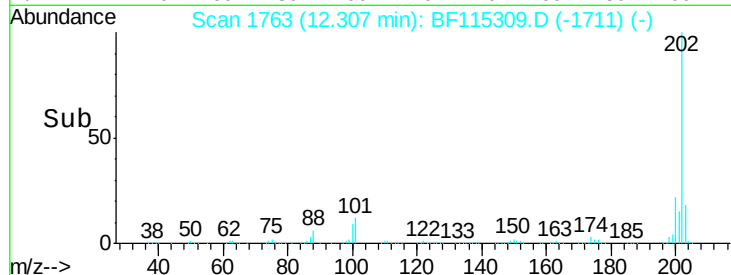
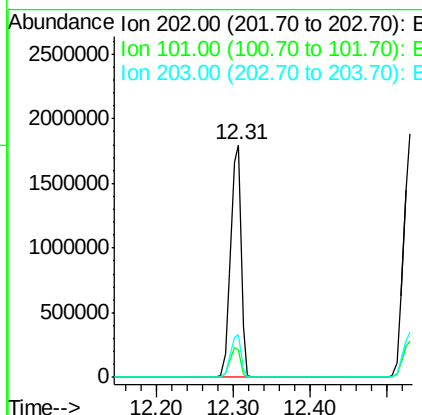
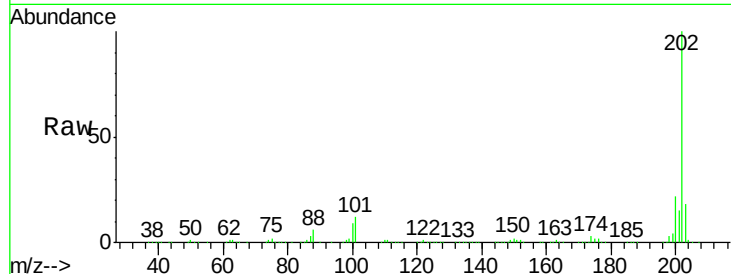
#75
 Fluoranthene
 Concen: 44.959 ng
 RT: 12.31 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Instrument :
 BNA_F
 ClientSampleId :
 PB121004BS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.0
203	18.1	0.0	38.8

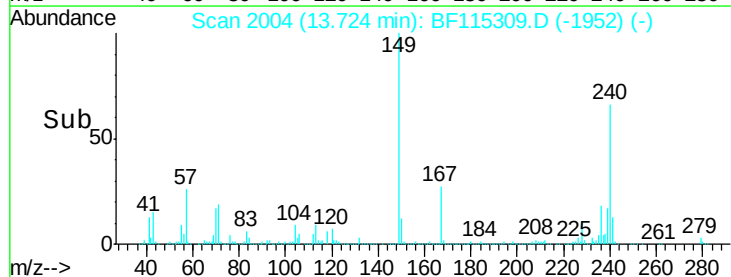
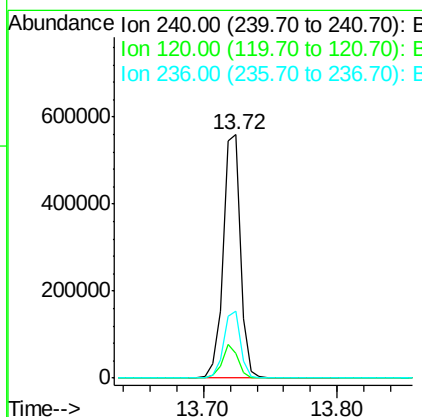
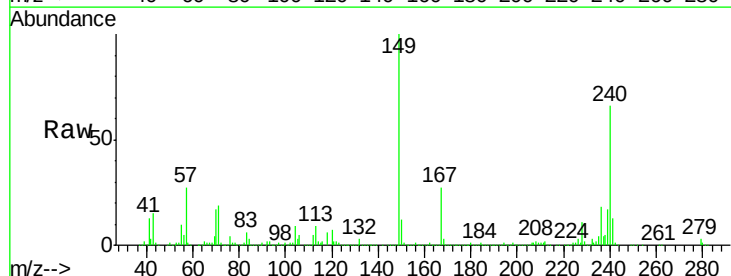
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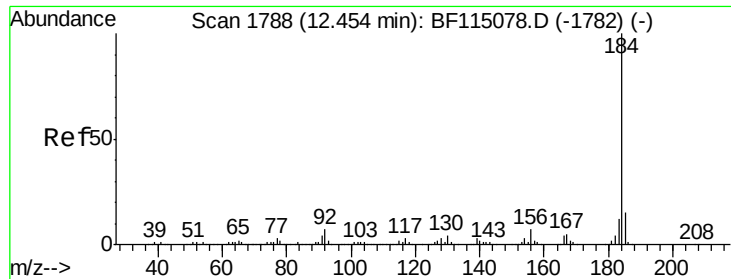
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.72 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF115309.D
 Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.4	14.2
236	27.3	21.7	32.5





#77

Benzidine

Concen: 38.481 ng

RT: 12.42 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

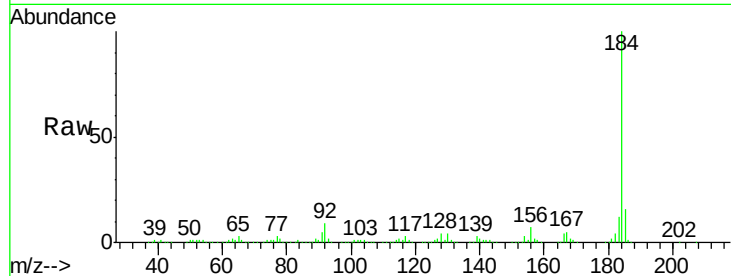
ClientSampleId :

PB121004BS

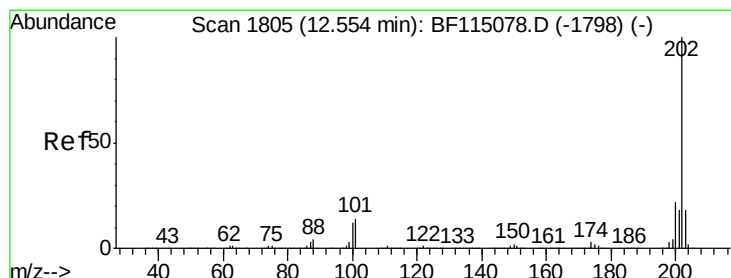
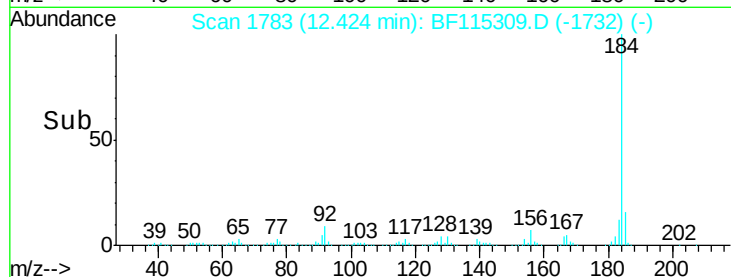
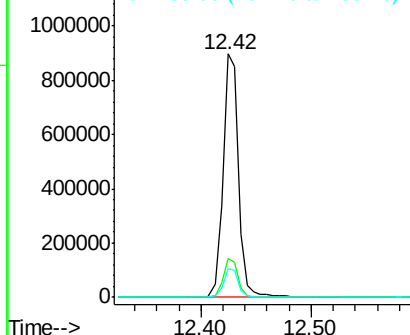
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.2	18.2
183	11.6	9.6	14.4

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.803 ng

RT: 12.53 min Scan# 1801

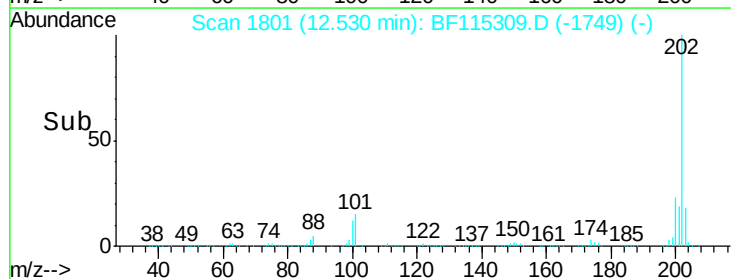
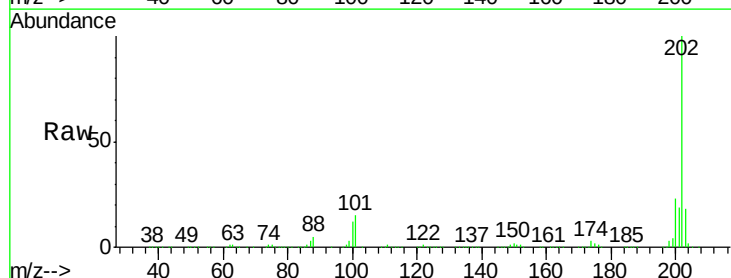
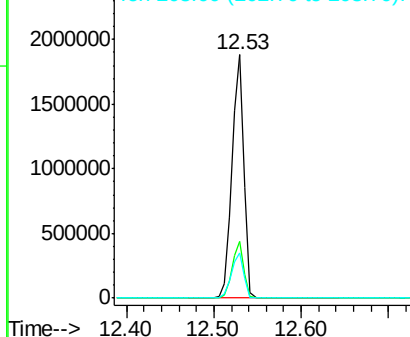
Delta R.T. 0.01 min

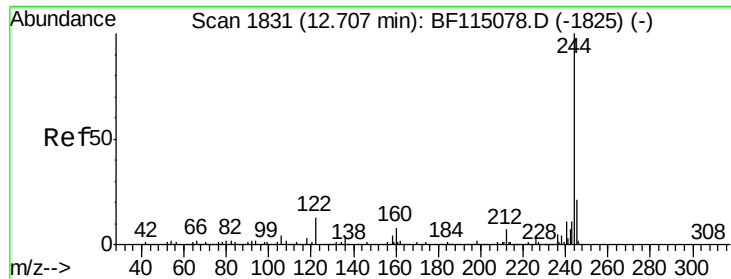
Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.9	26.9
203	18.4	14.6	21.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 88.542 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion:244 Resp: 2138277

Ion Ratio Lower Upper

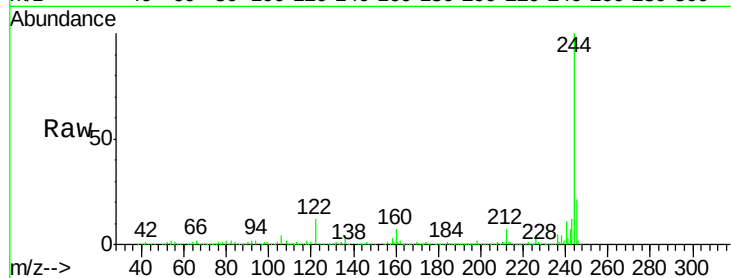
244 100

212 7.1 5.8 8.6

122 12.1 10.4 15.6

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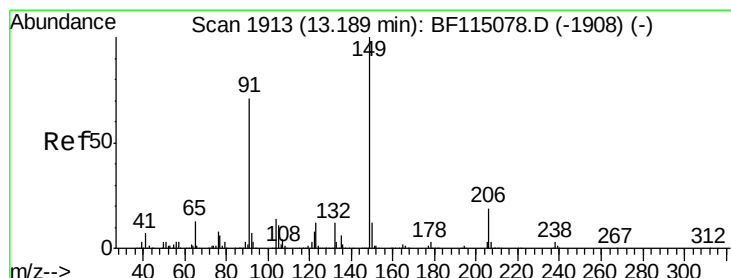
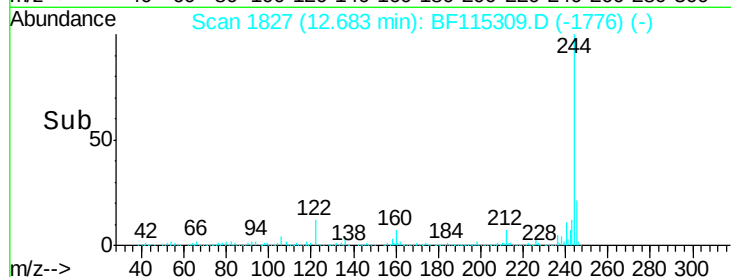
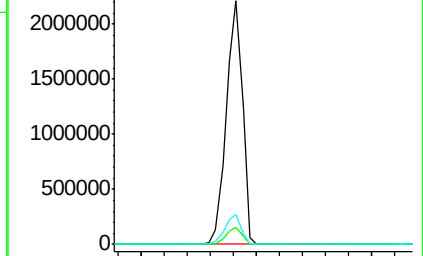
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.076 ng

RT: 13.16 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

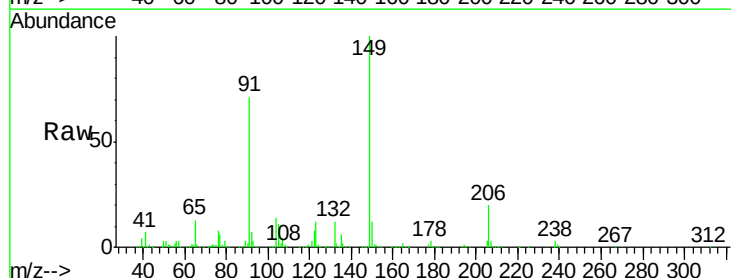
Tgt Ion:149 Resp: 784950

Ion Ratio Lower Upper

149 100

91 70.7 56.5 84.7

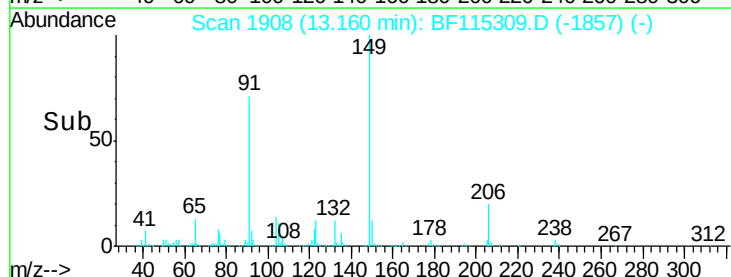
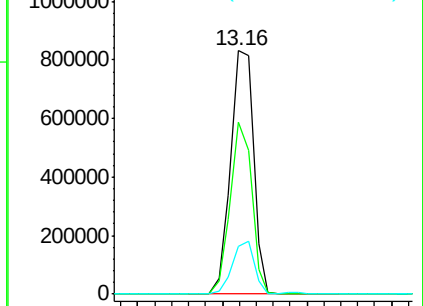
206 19.5 15.3 22.9

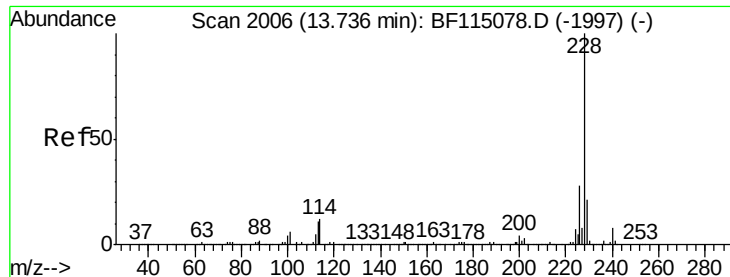


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.236 ng

RT: 13.71 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

PB121004BS

Tgt Ion:228 Resp: 1629774

Ion Ratio Lower Upper

228 100

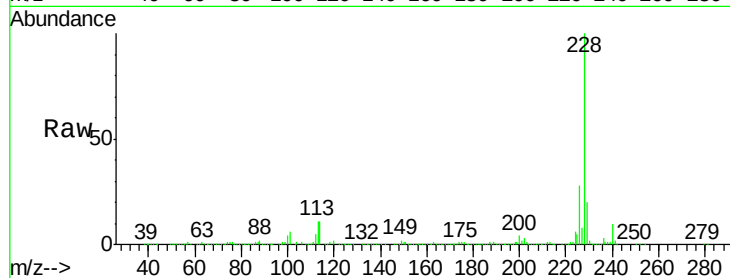
226 28.1 22.5 33.7

229 20.4 16.6 24.8

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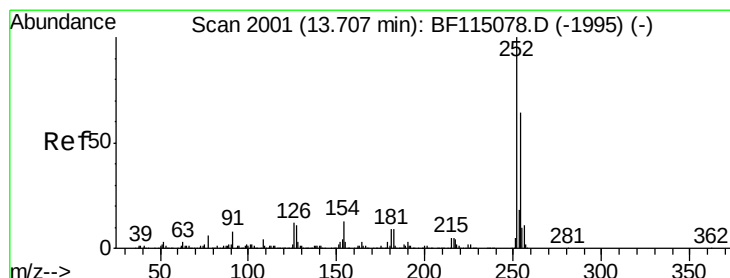
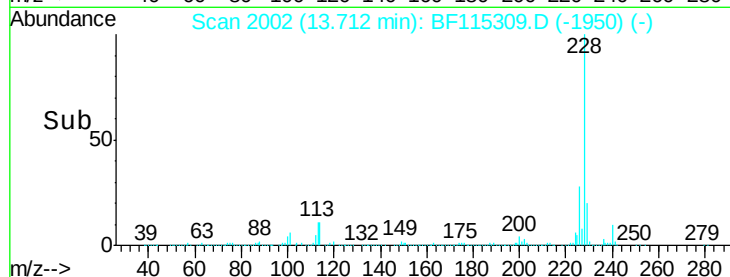
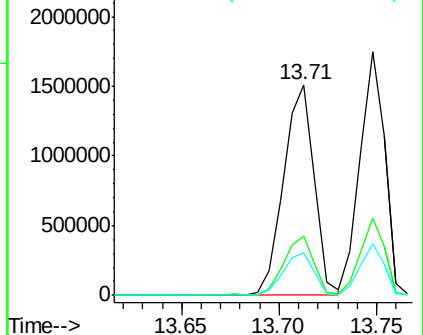
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 34.196 ng

RT: 13.68 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

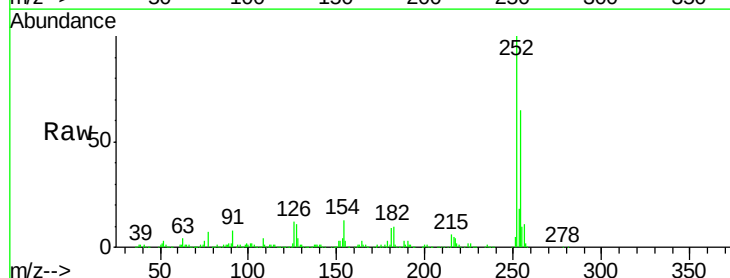
Tgt Ion:252 Resp: 454960

Ion Ratio Lower Upper

252 100

254 65.2 51.1 76.7

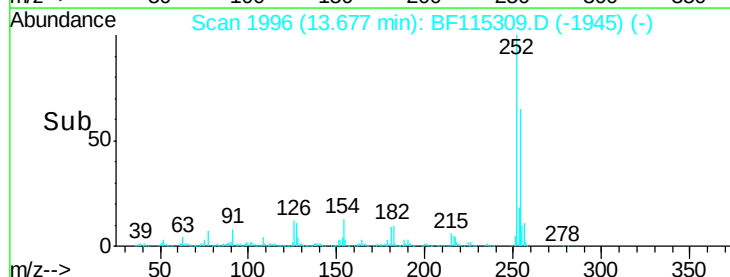
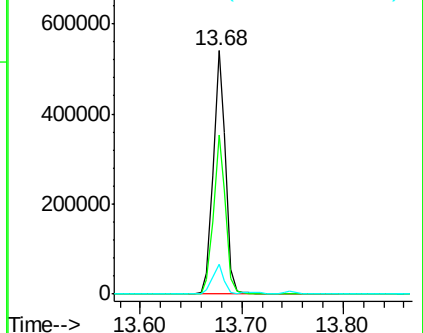
126 12.2 9.4 14.0

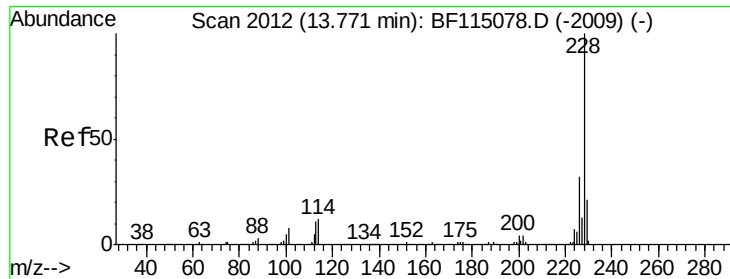


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 45.834 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Instrument :

BNA_F

ClientSampleId :

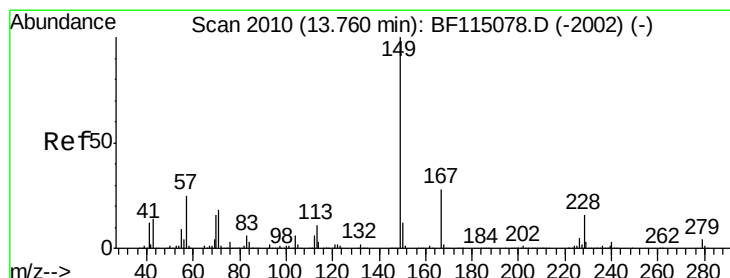
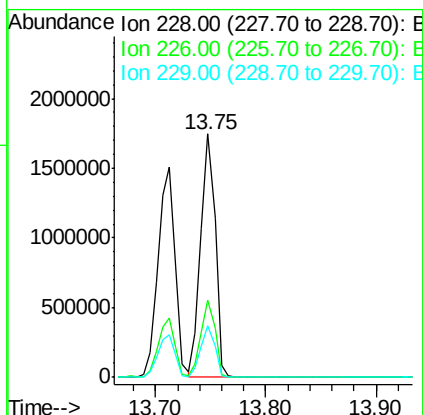
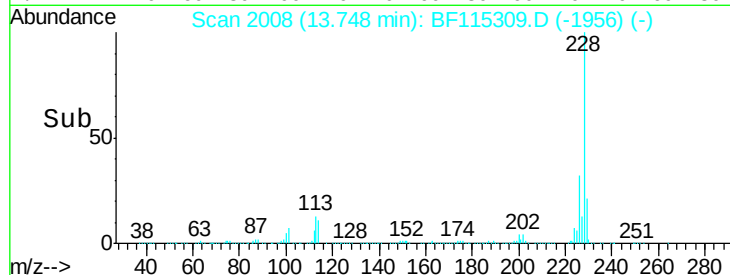
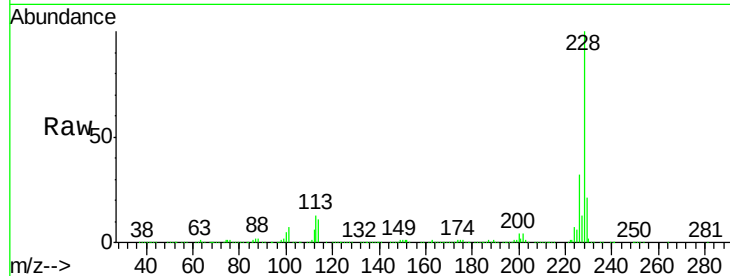
PB121004BS

Tgt Ion:228 Resp: 1546849

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.0
229	21.0	16.5	24.7

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#84

Bis(2-ethylhexyl)phthalate

Concen: 45.834 ng

RT: 13.73 min Scan# 2005

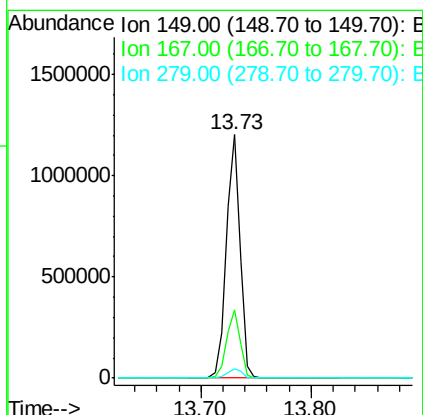
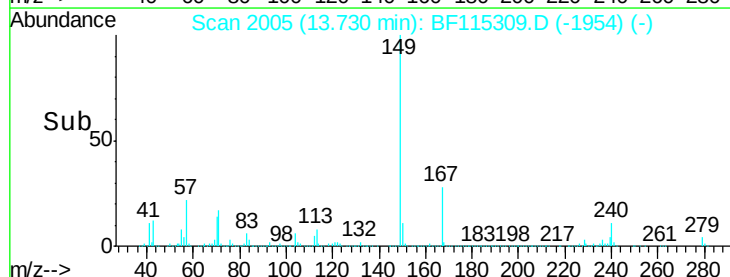
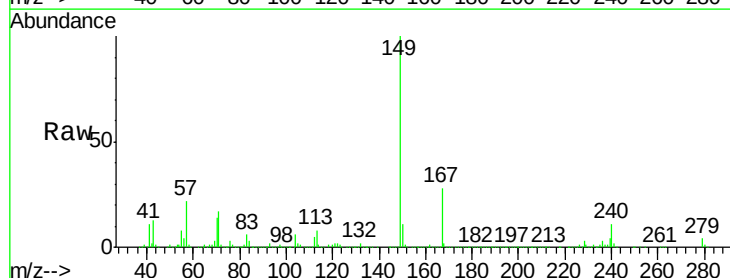
Delta R.T. 0.00 min

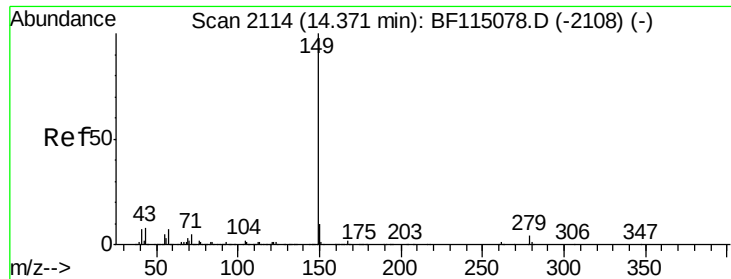
Lab File: BF115309.D

Acq: 29 Jun 2019 8:48

Tgt Ion:149 Resp: 1045836

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	4.0	2.9	4.3





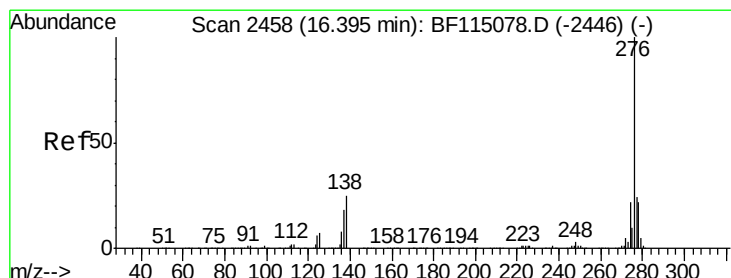
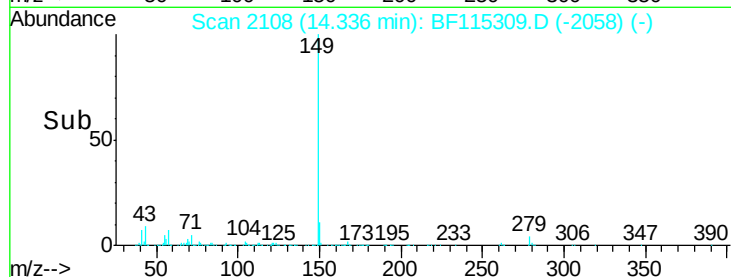
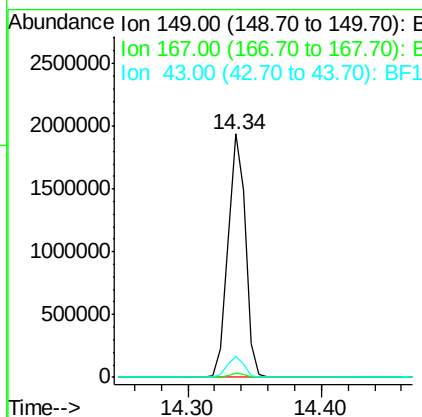
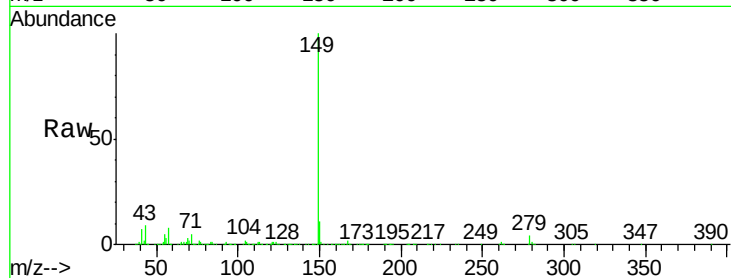
#85
Di-n-octyl phthalate
Concen: 46.738 ng
RT: 14.34 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.3	7.0	10.6

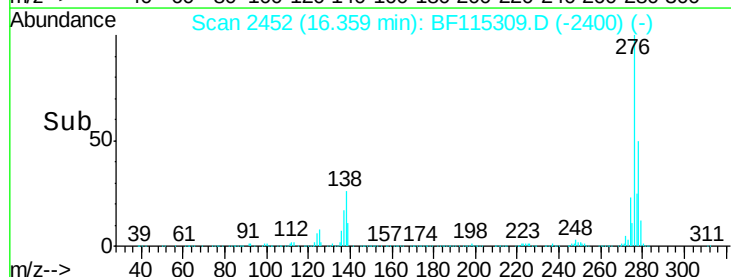
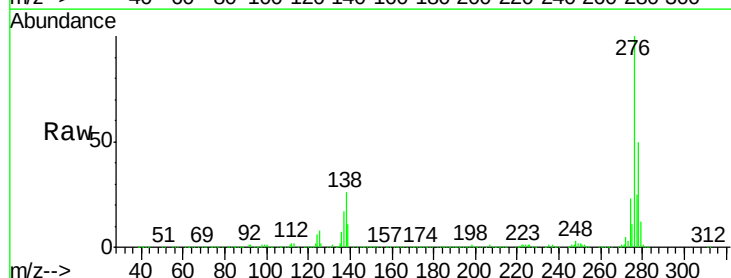
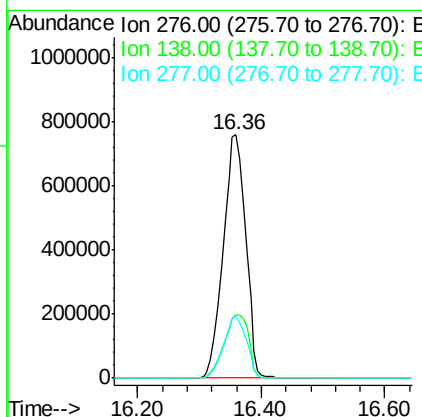
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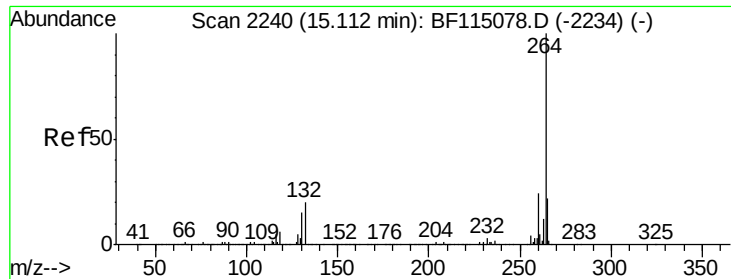
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 48.045 ng
RT: 16.36 min Scan# 2452
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	23.2	34.8
277	25.7	20.1	30.1





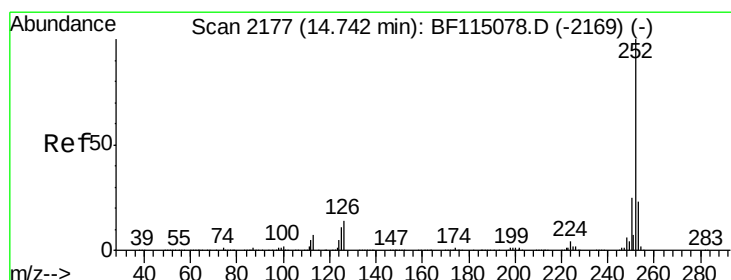
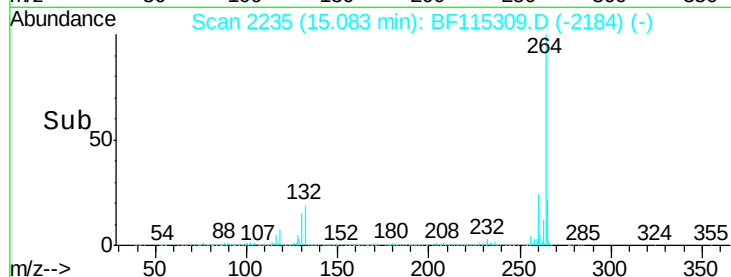
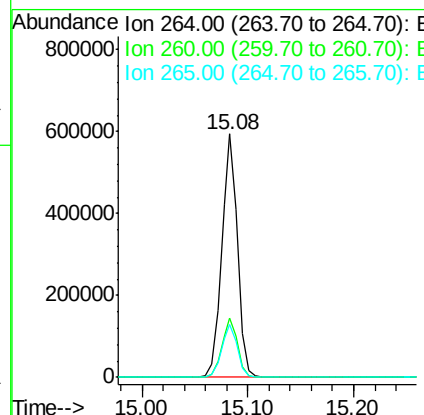
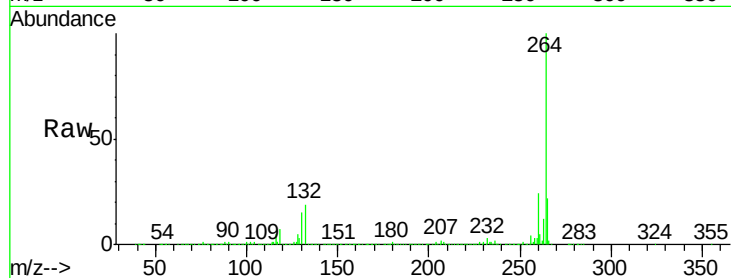
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.9	17.3	25.9

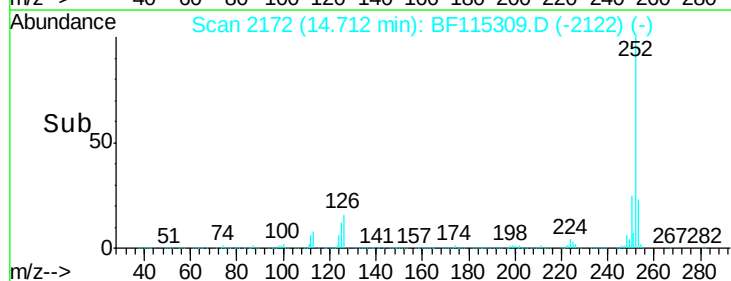
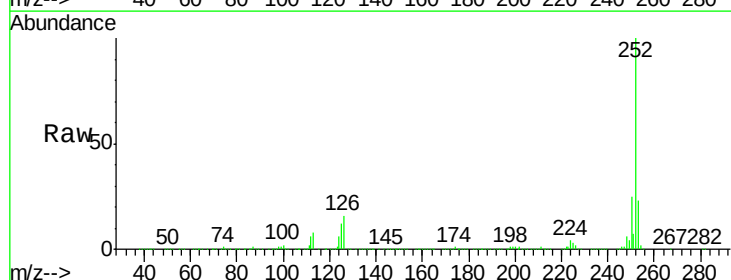
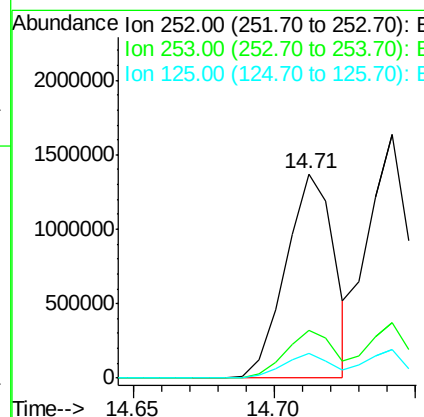
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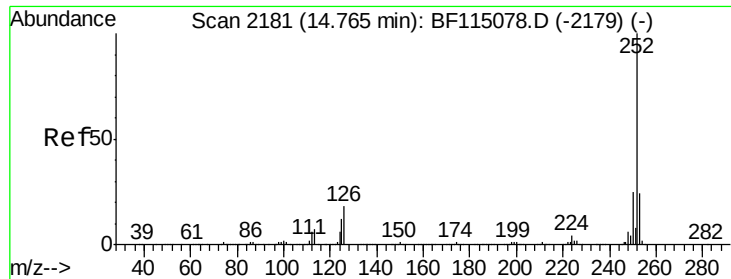
mohammad
7/1/2019 5:58:45 PM



#88
Benzo(b)fluoranthene
Concen: 42.114 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	11.9	8.7	13.1





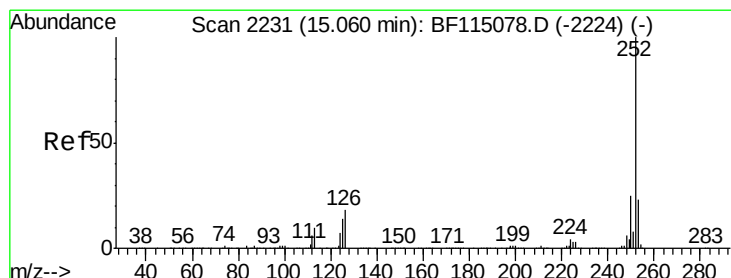
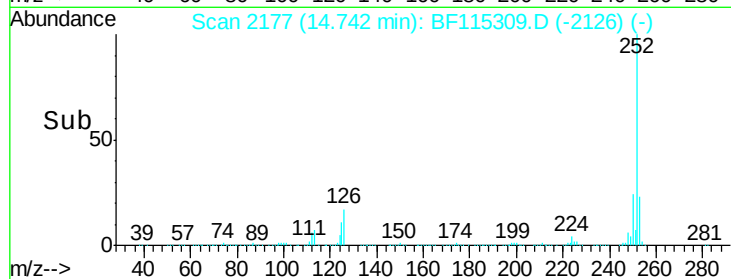
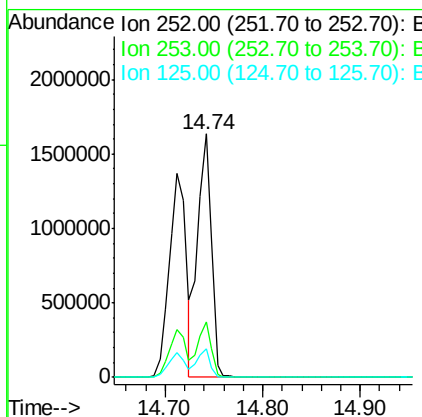
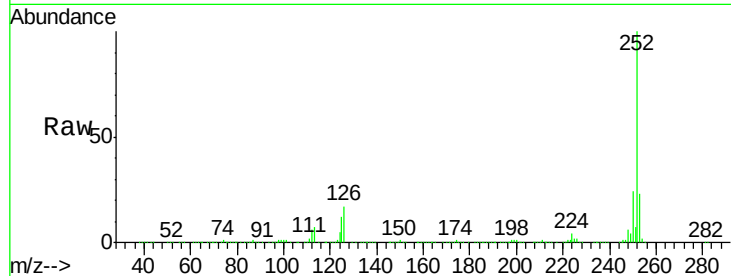
#89
Benzo(k)fluoranthene
Concen: 45.898 ng
RT: 14.74 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.9	28.3
125	11.5	10.2	15.2

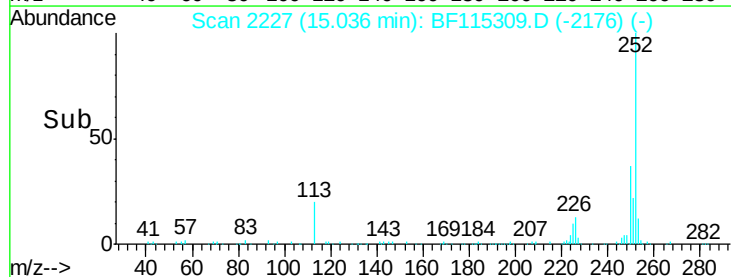
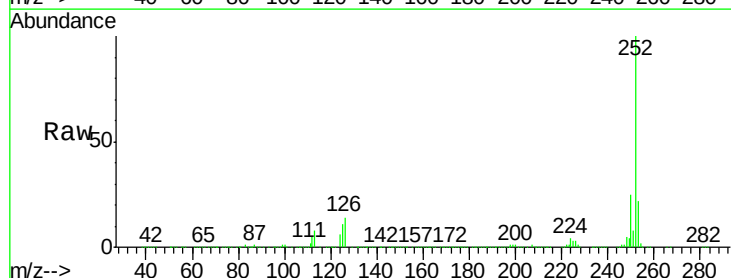
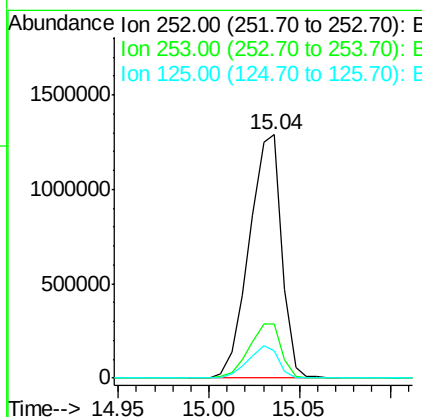
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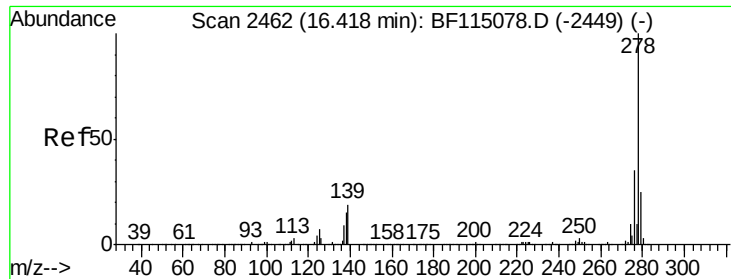
mohammad
7/1/2019 5:58:45 PM



#90
Benzo(a)pyrene
Concen: 45.762 ng
RT: 15.04 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.3	27.5
125	11.2	10.9	16.3





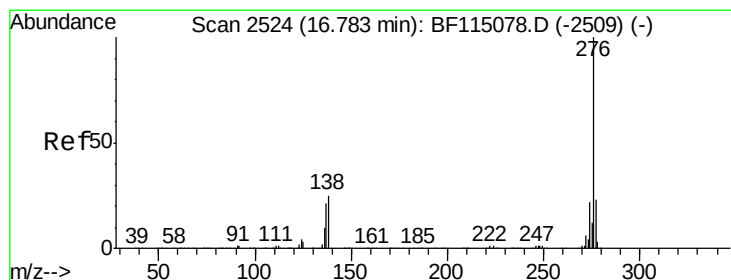
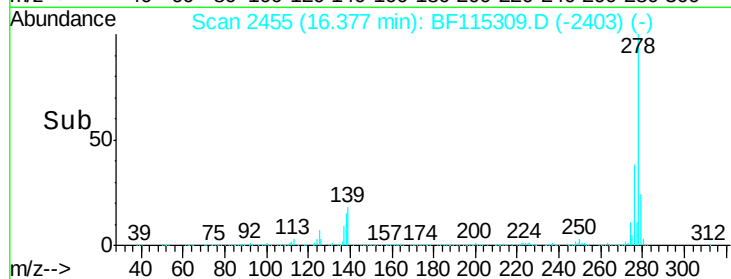
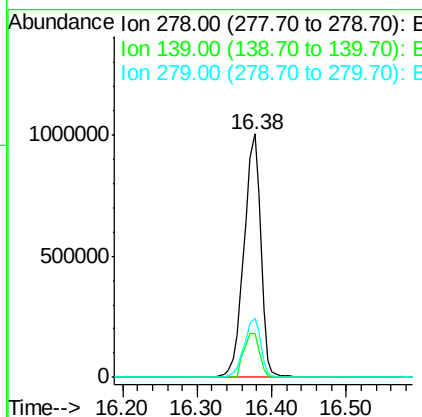
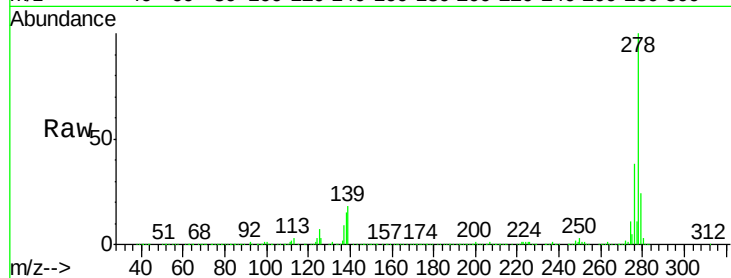
#91
Dibenzo(a,h)anthracene
Concen: 47.755 ng
RT: 16.38 min Scan# 2455
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Instrument :
BNA_F
ClientSampleId :
PB121004BS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.4	23.2
279	24.2	19.9	29.9

Manual Integrations
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7/1/2019 5:58:45 PM



#92
Benzo(g,h,i)perylene
Concen: 48.902 ng
RT: 16.74 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BF115309.D
Acq: 29 Jun 2019 8:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	24.4	19.8	29.6

