

Data File : BM017458.D
Acq On : 01 Nov 2018 10:29
Operator : MJ/SJ
Sample : J5704-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A40D7

Quant Time: Nov 02 01:58:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 02 01:56:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	211858	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	1023161	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	647479	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1591125	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	1871033	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	1825047	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	19642	4.27	ng/uL	0.00
5) Phenol-d5	6.82	99	567031	29.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	319196	28.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	447368	29.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	460452	30.09	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	238790	29.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	265724	29.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	513892	30.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	677320	49.81	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	1752944	31.57	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	2135708	31.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.51	143	283010	27.28	ng/ul	0.00
58) Fluorene-d10	15.29	176	1529933	31.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	315463	28.46	ng/ul	0.00
71) Anthracene-d10	17.14	188	2503382	31.78	ng/ul	0.00
79) Pyrene-d10	19.44	212	2893906	33.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	3256853	33.79	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.25	88	39929	8.605	ng/uL 99
6) Phenol	6.85	94	46443	2.417	ng/ul 93
12) 2,2'-oxybis(1-Chloropropan	8.17	45	347082	17.891	ng/ul 95
20) Nitrobenzene	8.83	77	386880	20.471	ng/ul 98
23) 2-Nitrophenol	9.54	139	249886	26.450	ng/ul 96
25) Bis(2-Chloroethoxy)methane	9.84	93	353587	16.243	ng/ul 100
27) 2,4-Dichlorophenol	10.07	162	317170	19.876	ng/ul 98
28) Naphthalene	10.46	128	608764	11.373	ng/ul 99
33) 4-Chloro-3-methylphenol	11.71	107	1201437	68.464	ng/ul 97
34) 2-Methylnaphthalene	12.08	142	1151560	29.278	ng/ul 100
35) 1-Methylnaphthalene	12.30	142	969887	25.720	ng/ul 99
38) Hexachlorocyclopentadiene	12.43	237	347428	25.037	ng/ul 100
39) 2,4,6-Trichlorophenol	12.70	196	283058	20.502	ng/ul 98
40) 2,4,5-Trichlorophenol	12.70	196	234537	15.784	ng/ul 97
42) 2-Chloronaphthalene	13.15	162	878409	20.988	ng/ul 99
45) Dimethylphthalate	13.75	163	134975	2.509	ng/ul 100
46) 2,6-Dinitrotoluene	13.87	165	136165	12.611	ng/ul 98
48) Acenaphthylene	14.00	152	1132572	17.900	ng/ul 100
50) Acenaphthene	14.35	153	629620	13.898	ng/ul 99
55) 2,4-Dinitrotoluene	14.67	165	506572	31.450	ng/ul 96
56) 2,3,4,6-Tetrachlorophenol	14.92	232	529209	38.481	ng/ul 99
59) Fluorene	15.34	166	697822	13.190	ng/ul 99
60) 4-Chlorophenyl-phenylether	15.34	204	587685	21.710	ng/ul 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 4,6-Dinitro-2-methylphenol	15.43	198	960449	84.837	ng/ul#	94
66) 4-Bromophenyl-phenylether	16.23	248	482841	27.023	ng/ul	97
67) Hexachlorobenzene	16.34	284	539888	26.783	ng/ul	97
70) Phenanthrene	17.08	178	1241428	13.587	ng/ul	99
72) Anthracene	17.17	178	1539400	16.588	ng/ul	99
77) Fluoranthene	19.10	202	3718111	35.501	ng/ul	99
80) Pyrene	19.47	202	1546945	14.238	ng/ul	99
83) Benzo(a)anthracene	21.22	228	1560072	13.625	ng/ul	100
85) Chrysene	21.27	228	1468660	13.489	ng/ul	99
88) Benzo(b)fluoranthene	22.79	252	4909402	45.955	ng/ul	99
89) Benzo(k)fluoranthene	22.83	252	1394869	13.367	ng/ul	99
91) Benzo(a)pyrene	23.34	252	1200711	11.505	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.64	276	1580712	12.448	ng/ul	97
93) Dibenzo(a,h)anthracene	25.65	278	1571669	14.822	ng/ul	98
94) Benzo(g,h,i)perylene	26.31	276	1359645	12.604	ng/ul	99

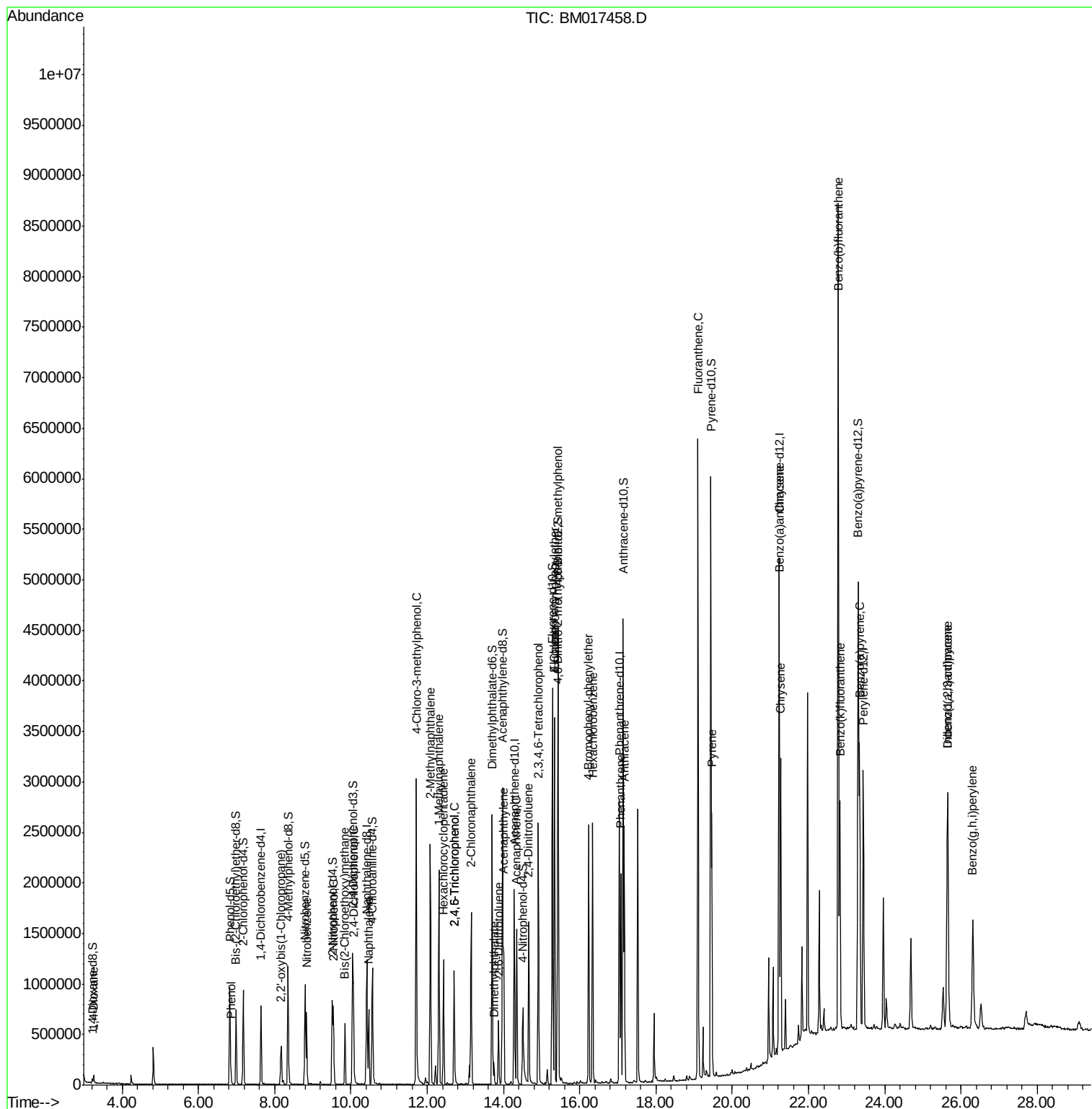
(#) = qualifier out of range (m) = manual integration (+) = signals summed

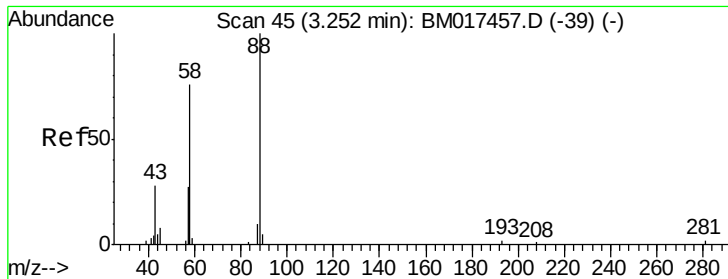
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Operator    : MJ/SJ
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#2

1,4-Dioxane

Concen: 8.605 ng/uL

RT: 3.25 min Scan# 45

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

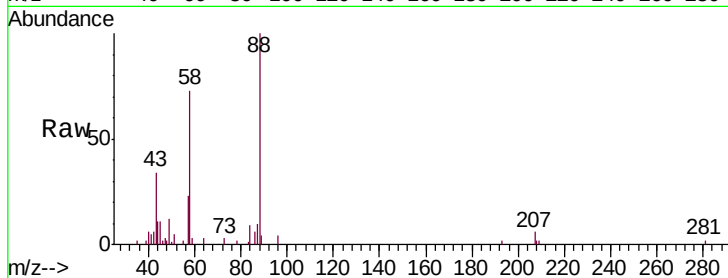
Tgt Ion: 88 Resp: 39929

Ion Ratio Lower Upper

88 100

43 34.1 25.9 38.9

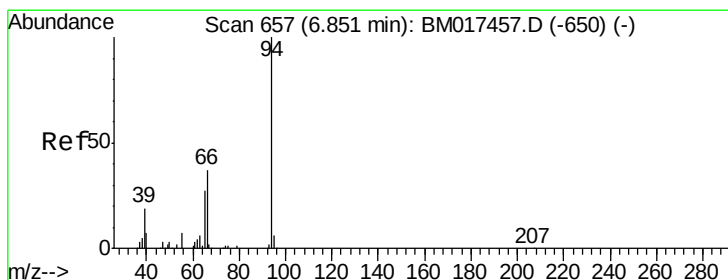
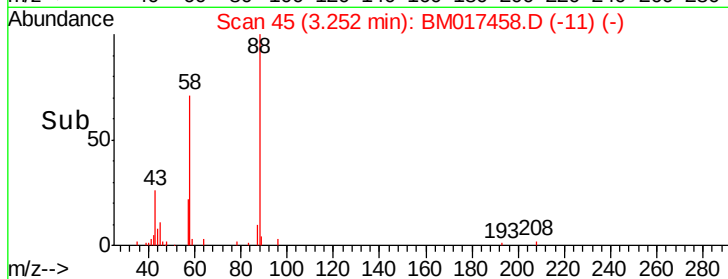
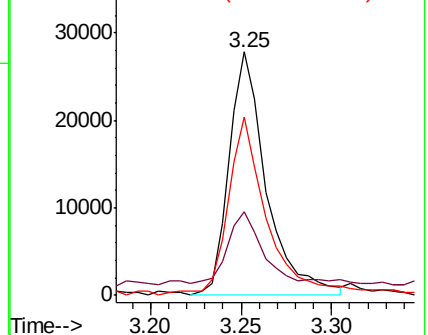
58 73.0 58.6 87.8



Abundance Ion 88.00 (87.70 to 88.70): BM017457.D (-39) (-)

Ion 43.00 (42.70 to 43.70): BM017457.D (-39) (-)

Ion 58.00 (57.70 to 58.70): BM017457.D (-39) (-)



#6

Phenol

Concen: 2.417 ng/uL

RT: 6.85 min Scan# 657

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

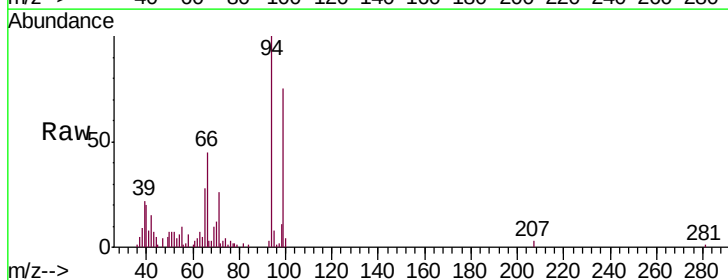
Tgt Ion: 94 Resp: 46443

Ion Ratio Lower Upper

94 100

65 28.1 24.0 36.0

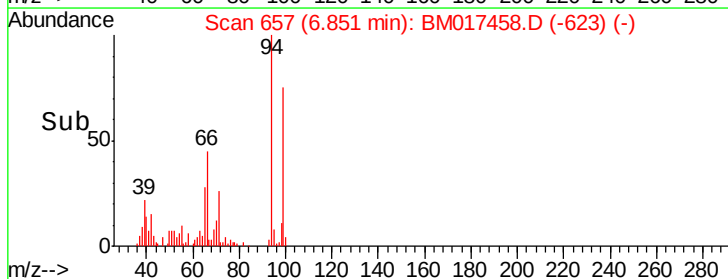
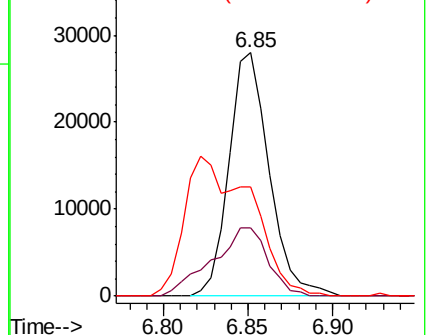
66 45.1 31.1 46.7

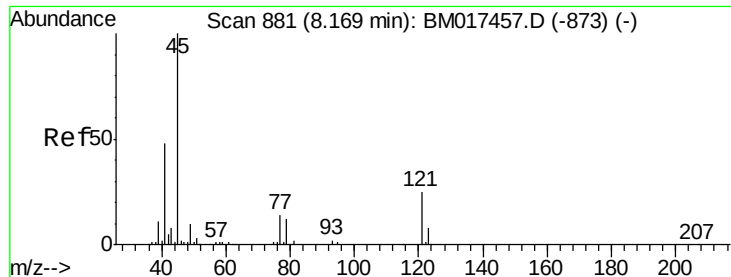


Abundance Ion 94.00 (93.70 to 94.70): BM017457.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM017457.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM017457.D (-650) (-)

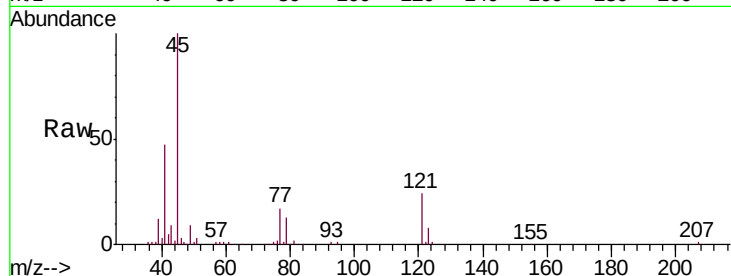




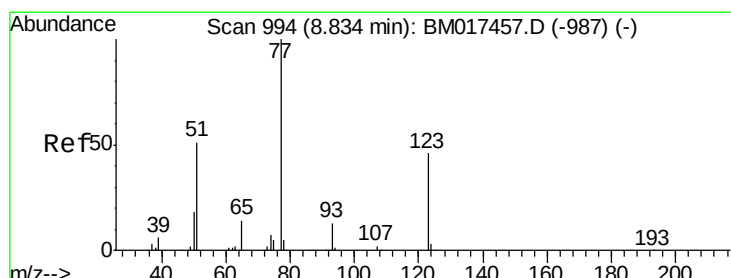
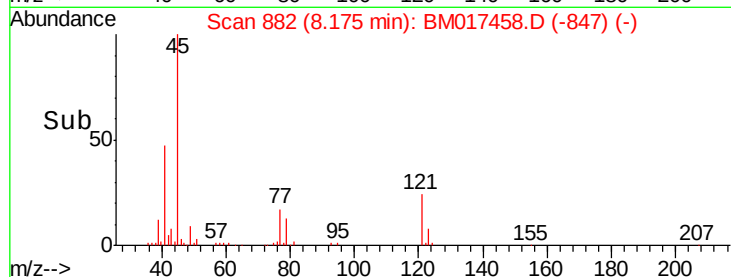
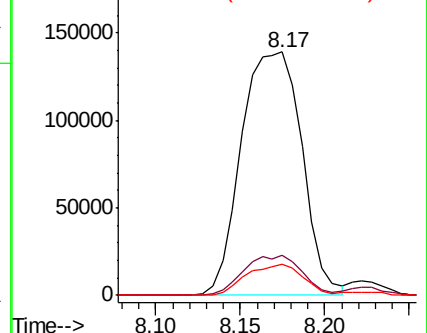
#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 17.891 ng/ul
 RT: 8.17 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Instrument :
 BNA_M
 ClientSampleId :
 A40D7

Tgt Ion: 45 Resp: 347082
 Ion Ratio Lower Upper
 45 100
 77 16.5 11.7 17.5
 79 12.6 8.6 12.8

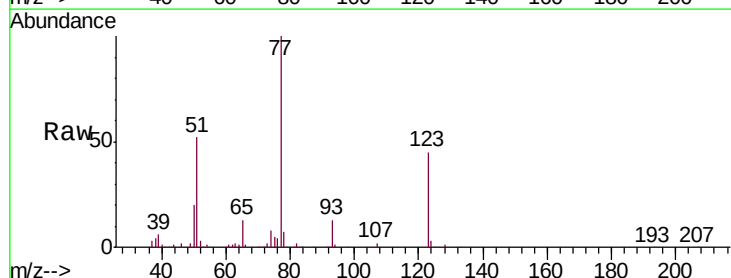


Abundance Ion 45.00 (44.70 to 45.70): BM0
 Ion 77.00 (76.70 to 77.70): BM0
 Ion 79.00 (78.70 to 79.70): BM0

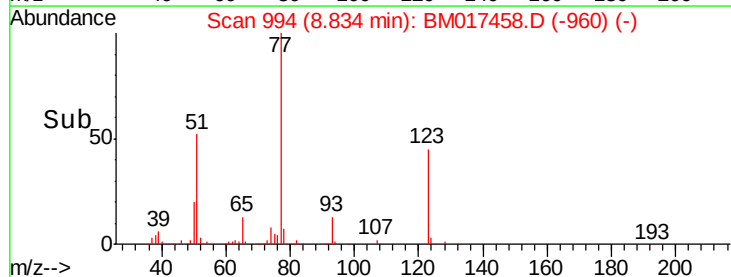
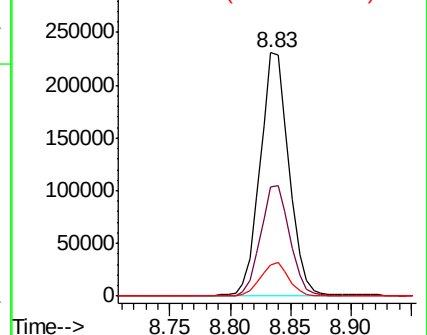


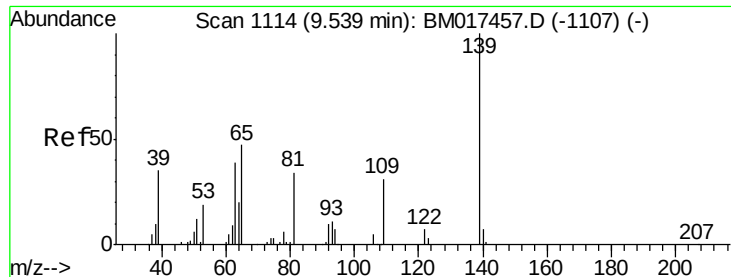
#20
 Nitrobenzene
 Concen: 20.471 ng/ul
 RT: 8.83 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion: 77 Resp: 386880
 Ion Ratio Lower Upper
 77 100
 123 45.0 37.0 55.6
 65 12.7 10.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): BM0
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BM0





#23

2-Nitrophenol

Concen: 26.450 ng/ul

RT: 9.54 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

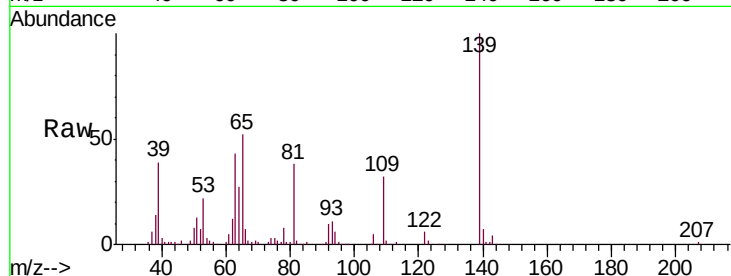
Tgt Ion:139 Resp: 249886

Ion Ratio Lower Upper

139 100

65 51.7 38.6 57.8

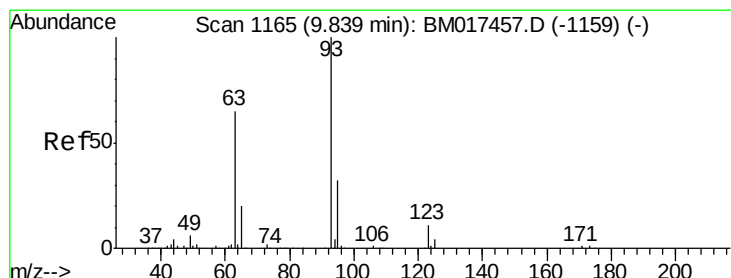
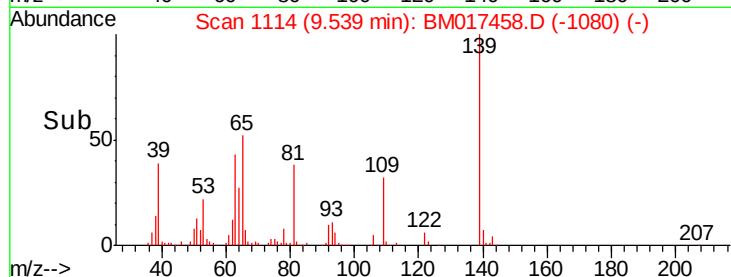
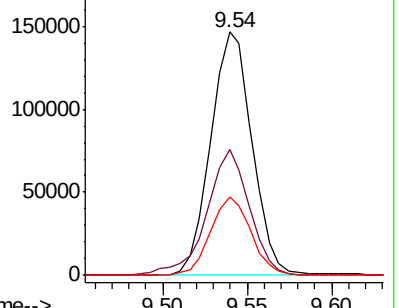
109 32.2 25.0 37.6



Abundance Ion 139.00 (138.70 to 139.70): E

200000 Ion 65.00 (64.70 to 65.70): BM

Ion 109.00 (108.70 to 109.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 16.243 ng/ul

RT: 9.84 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

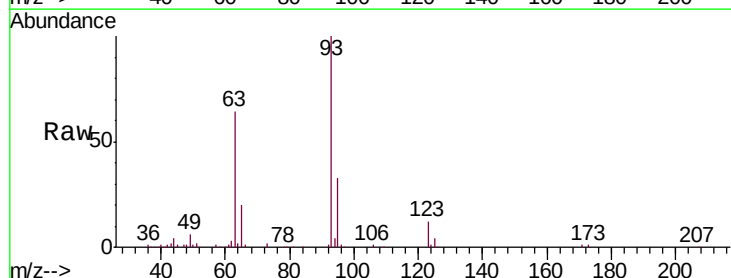
Tgt Ion: 93 Resp: 353587

Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

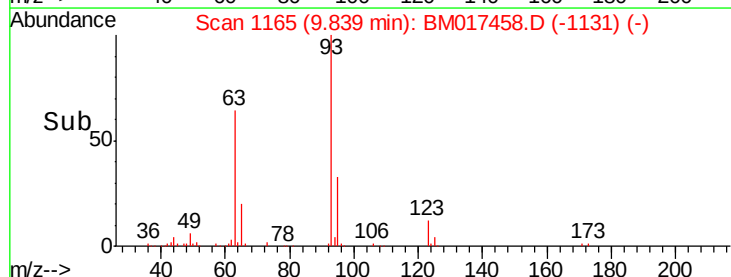
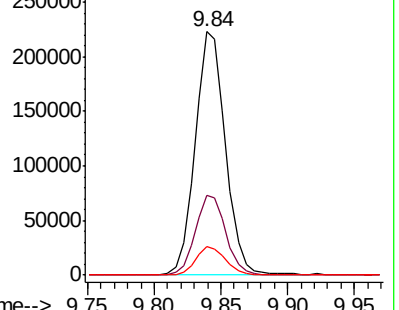
123 11.6 9.1 13.7

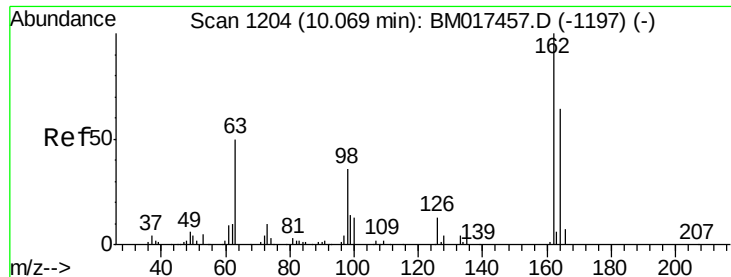


Abundance Ion 93.00 (92.70 to 93.70): BM

300000 Ion 95.00 (94.70 to 95.70): BM

Ion 123.00 (122.70 to 123.70): E

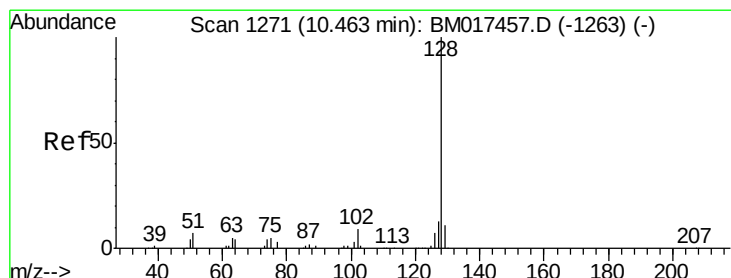
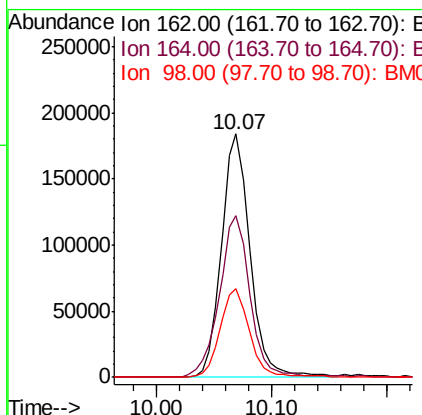
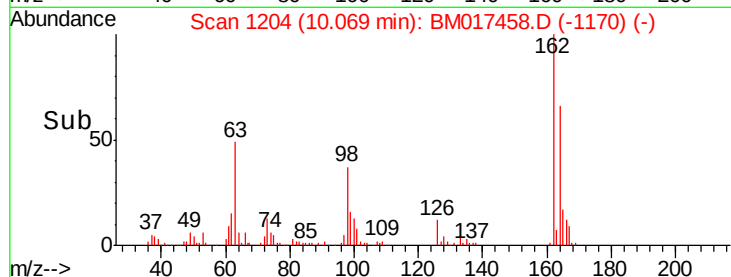
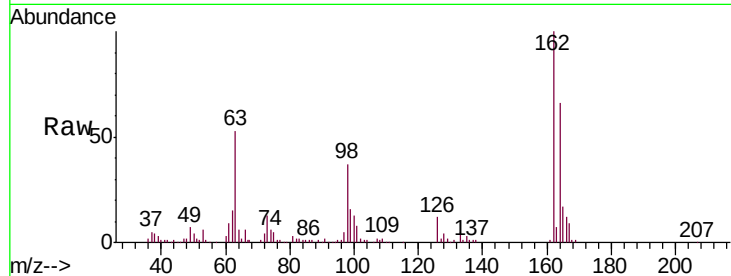




#27
 2,4-Dichlorophenol
 Concen: 19.876 ng/ul
 RT: 10.07 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

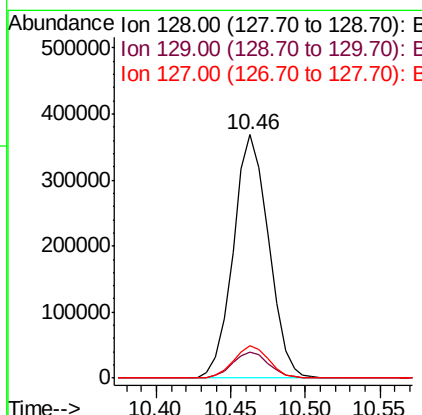
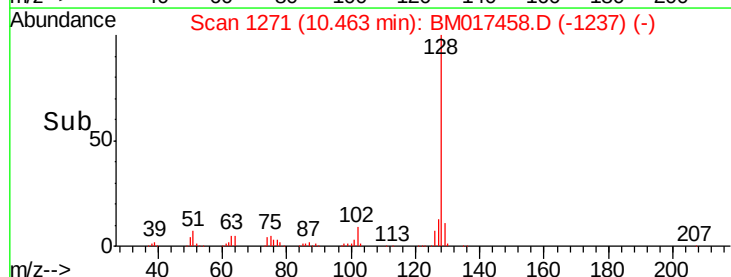
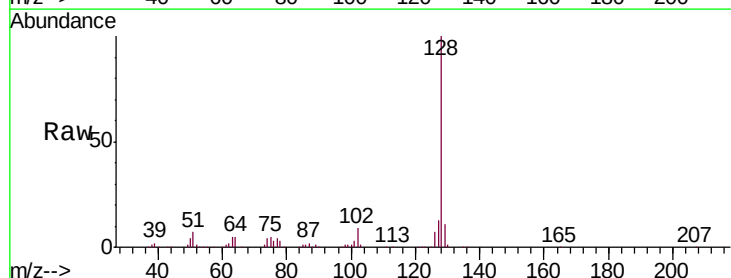
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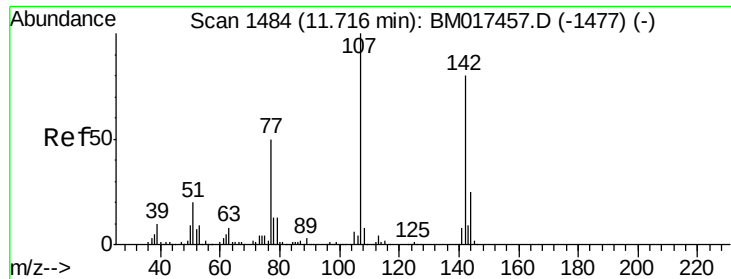
Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.3	51.4	77.0
98	36.5	29.4	44.0



#28
 Naphthalene
 Concen: 11.373 ng/ul
 RT: 10.46 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.4	10.3	15.5

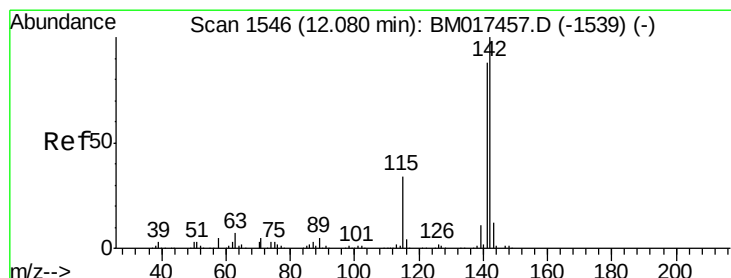
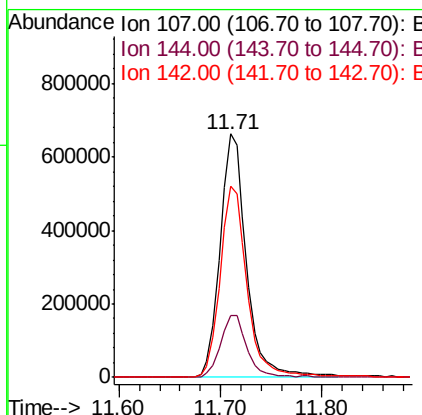
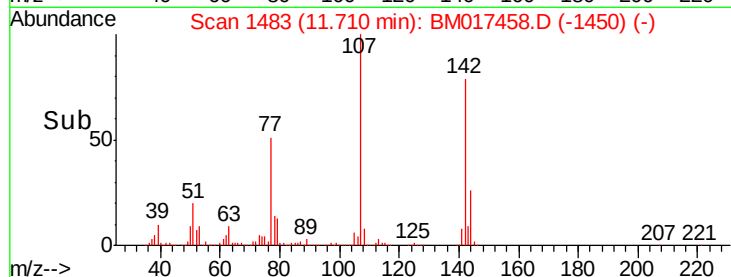
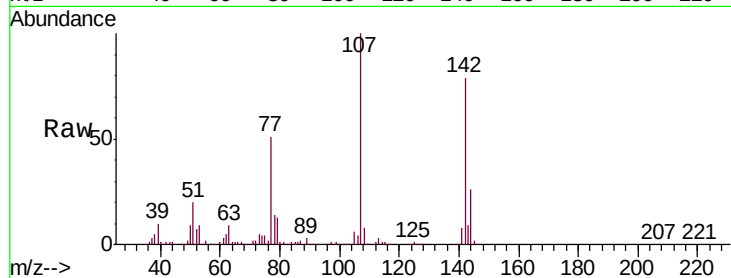




#33
 4-Chloro-3-methylphenol
 Concen: 68.464 ng/ul
 RT: 11.71 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

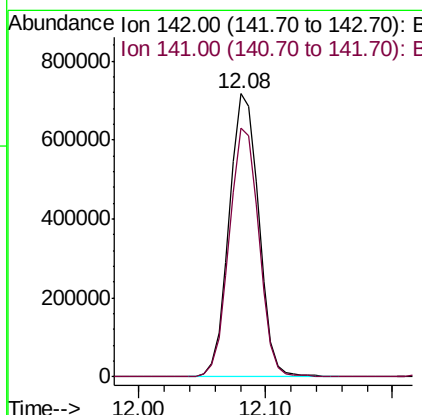
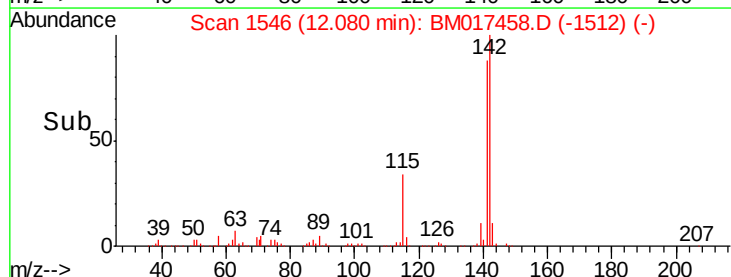
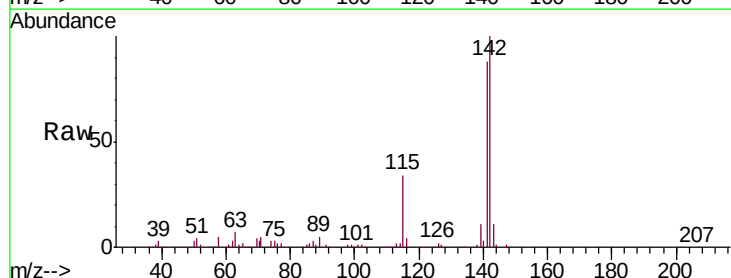
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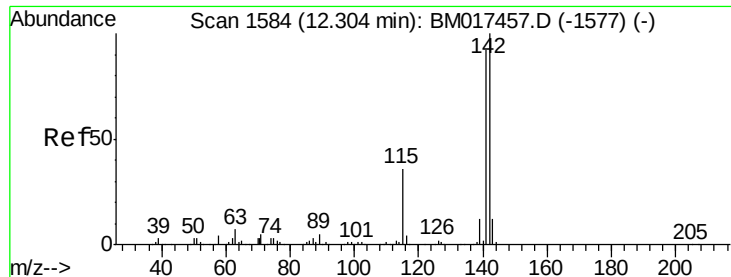
Tgt Ion:107 Resp: 1201437
 Ion Ratio Lower Upper
 107 100
 144 25.6 21.8 32.6
 142 78.6 65.0 97.4



#34
 2-Methylnaphthalene
 Concen: 29.278 ng/ul
 RT: 12.08 min Scan# 1546
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion:142 Resp: 1151560
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.4 105.6





#35

1-Methylnaphthalene

Concen: 25.720 ng/ul

RT: 12.30 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

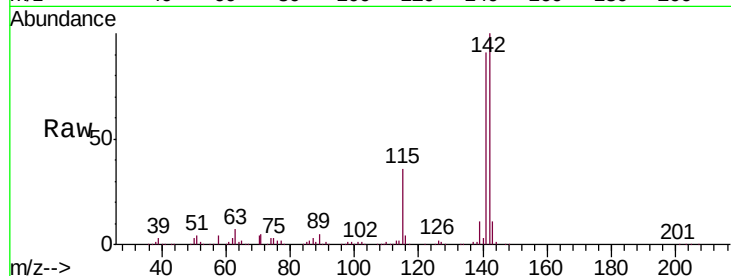
Tgt Ion:142 Resp: 969887

Ion Ratio Lower Upper

142 100

141 91.3 73.9 110.9

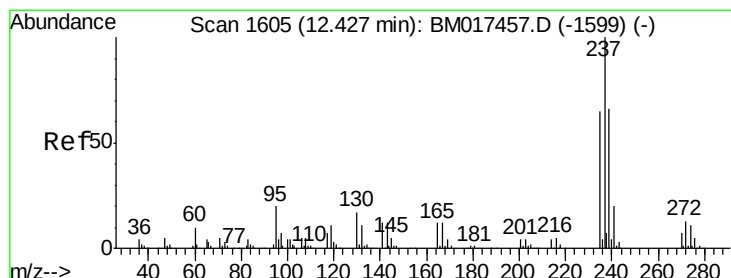
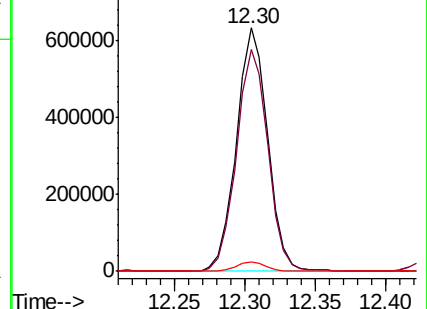
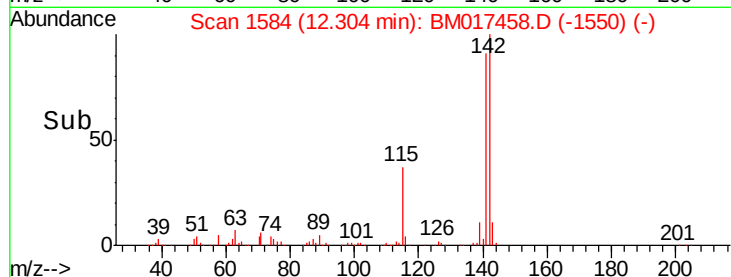
116 3.8 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#38

Hexachlorocyclopentadiene

Concen: 25.037 ng/ul

RT: 12.43 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

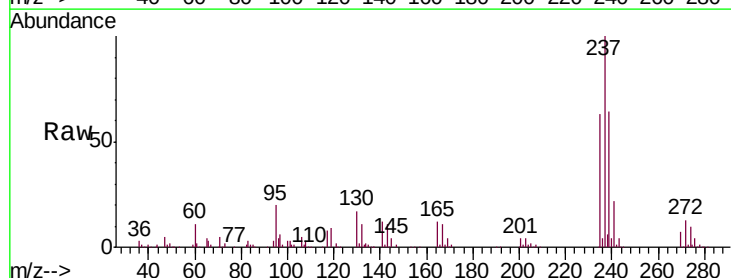
Tgt Ion:237 Resp: 347428

Ion Ratio Lower Upper

237 100

235 63.1 50.2 75.4

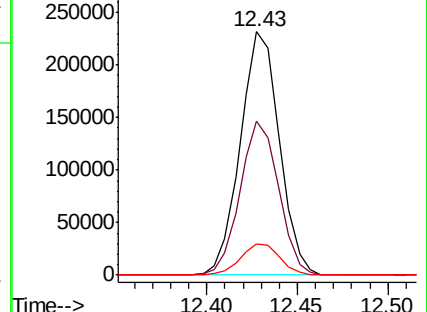
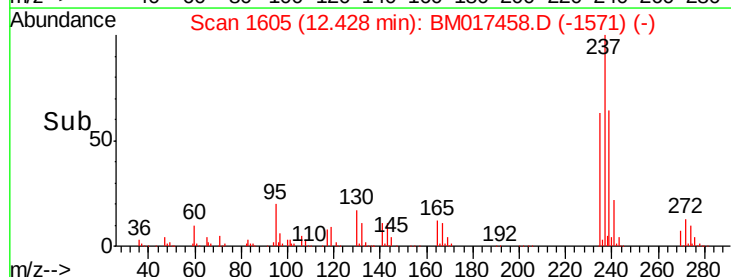
272 12.8 10.5 15.7

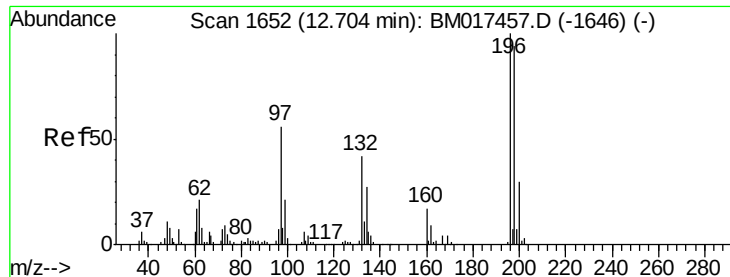


Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E

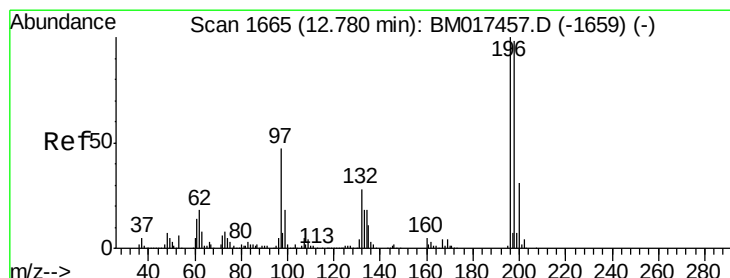
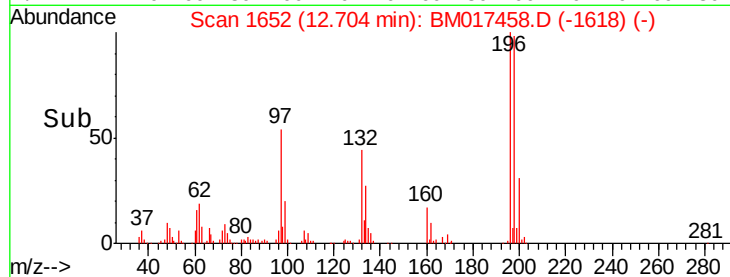
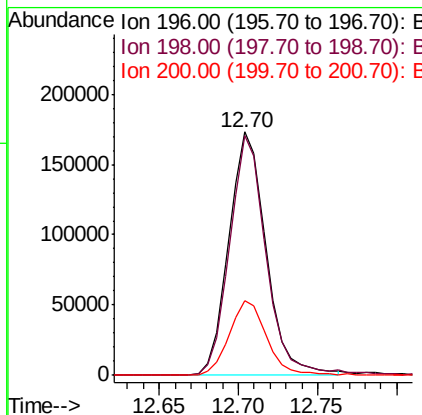
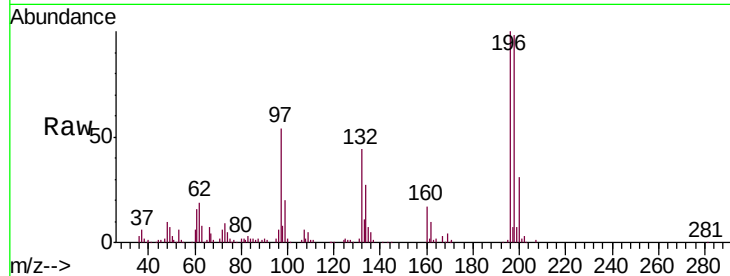




#39
 2,4,6-Trichlorophenol
 Concen: 20.502 ng/ul
 RT: 12.70 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

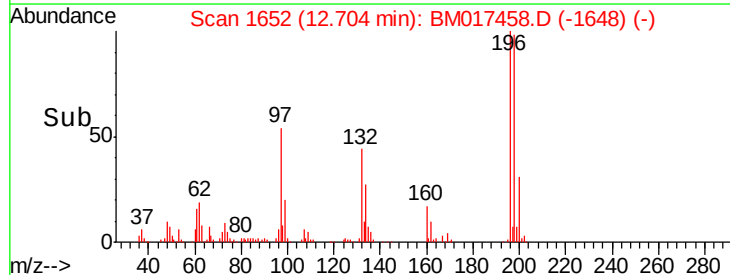
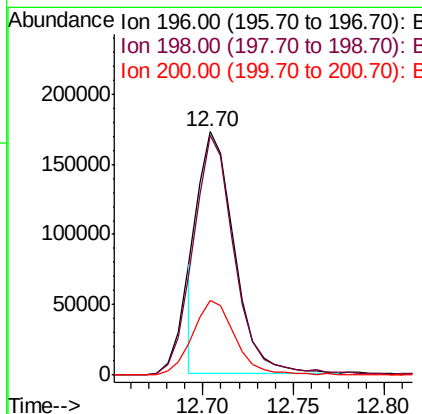
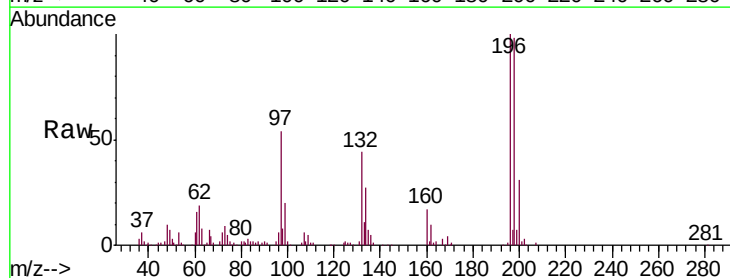
Instrument :
 BNA_M
 ClientSampled :
 A40D7

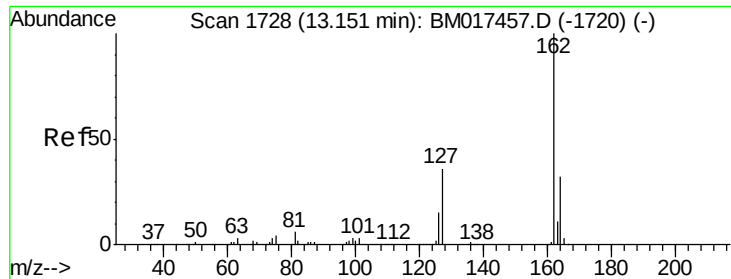
Tgt Ion:196 Resp: 283058
 Ion Ratio Lower Upper
 196 100
 198 98.3 77.0 115.4
 200 30.8 25.2 37.8



#40
 2,4,5-Trichlorophenol
 Concen: 15.784 ng/ul
 RT: 12.70 min Scan# 1652
 Delta R.T. -0.08 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion:196 Resp: 234537
 Ion Ratio Lower Upper
 196 100
 198 98.3 76.2 114.4
 200 30.8 25.4 38.2

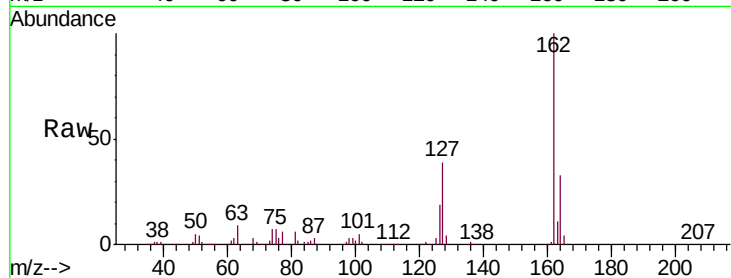




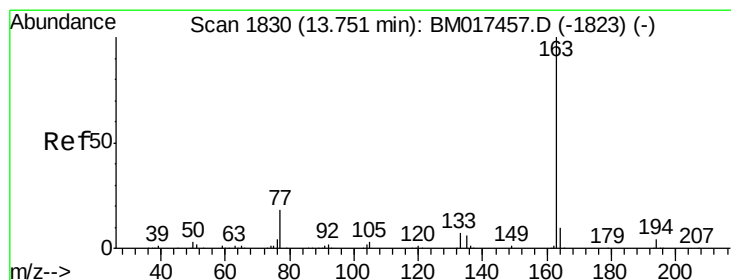
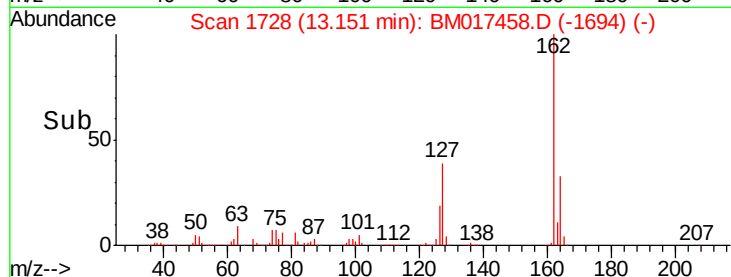
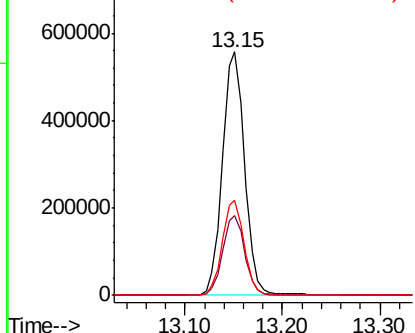
#42
 2-Chloronaphthalene
 Concen: 20.988 ng/ul
 RT: 13.15 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Instrument :
 BNA_M
 ClientSampleId :
 A40D7

Tgt Ion:162 Resp: 878409
 Ion Ratio Lower Upper
 162 100
 164 32.7 26.2 39.4
 127 39.0 32.2 48.2

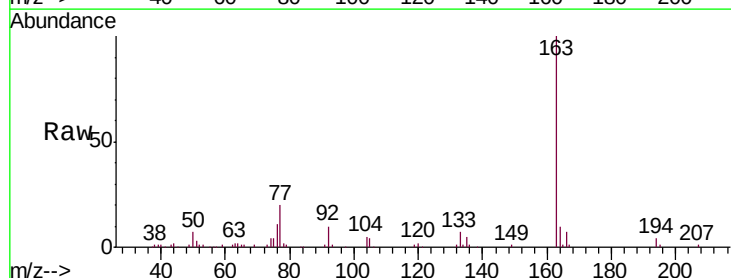


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 127.00 (126.70 to 127.70): E

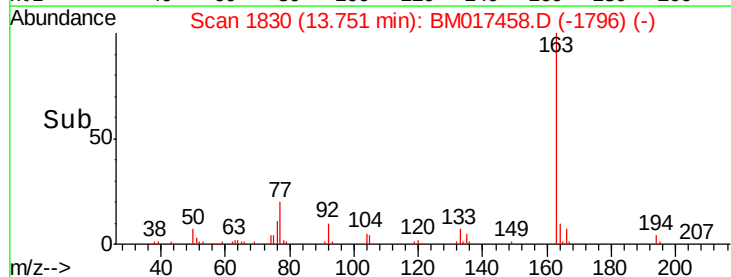
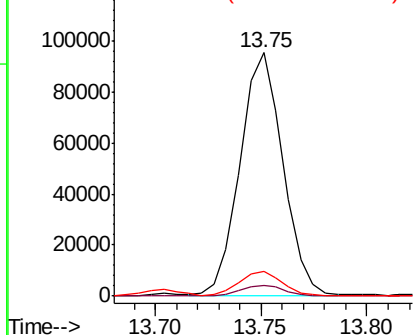


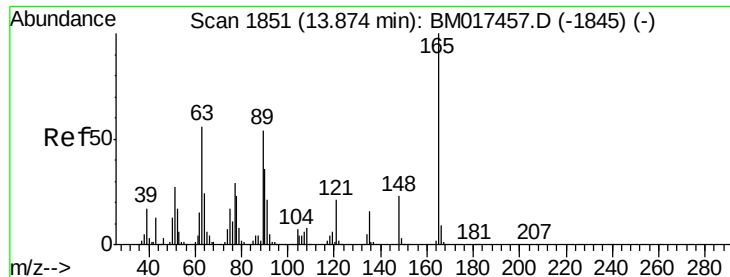
#45
 Dimethylphthalate
 Concen: 2.509 ng/ul
 RT: 13.75 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion:163 Resp: 134975
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.2 4.8
 164 9.9 8.1 12.1



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

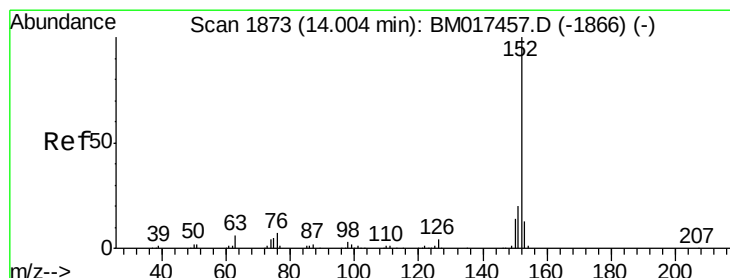
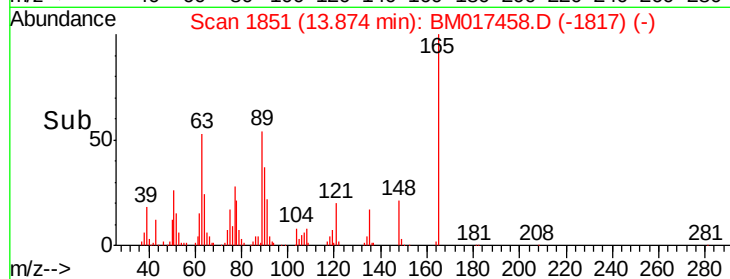
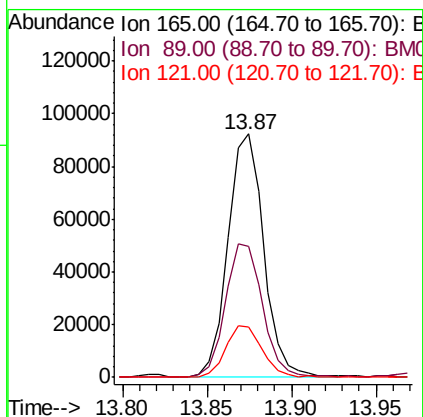
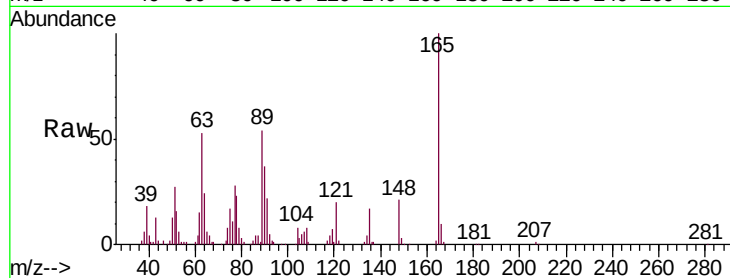




#46
 2,6-Dinitrotoluene
 Concen: 12.611 ng/ul
 RT: 13.87 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

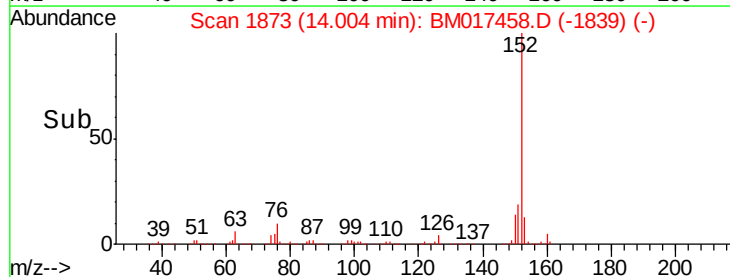
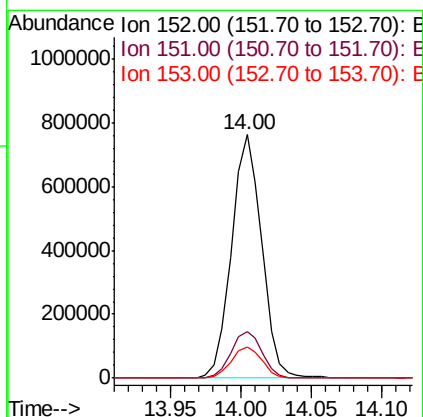
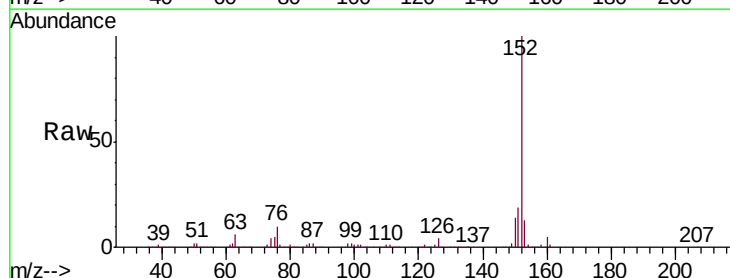
Instrument :
 BNA_M
 ClientSampleId :
 A40D7

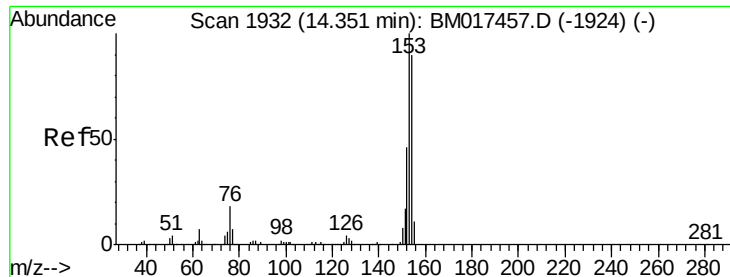
Tgt Ion	Ratio	Lower	Upper
165	100		
89	53.8	44.0	66.0
121	20.5	17.8	26.8



#48
 Acenaphthylene
 Concen: 17.900 ng/ul
 RT: 14.00 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9
153	12.5	10.2	15.4





#50

Acenaphthene

Concen: 13.898 ng/ul

RT: 14.35 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

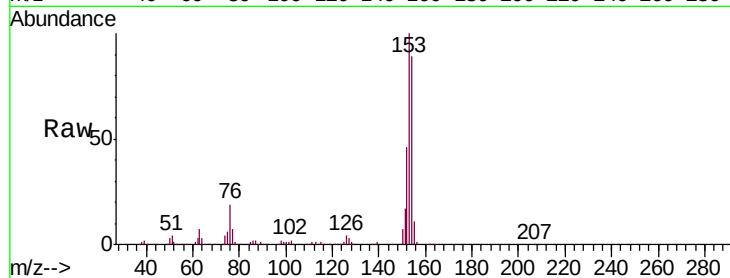
Tgt Ion:153 Resp: 629620

Ion Ratio Lower Upper

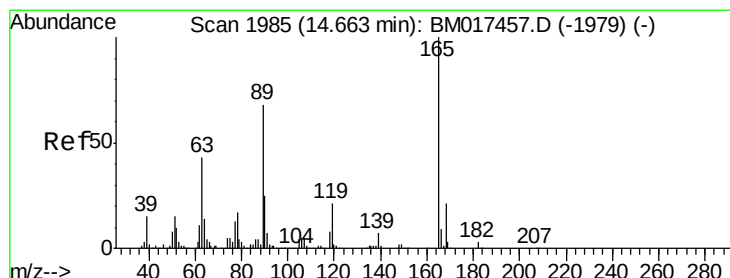
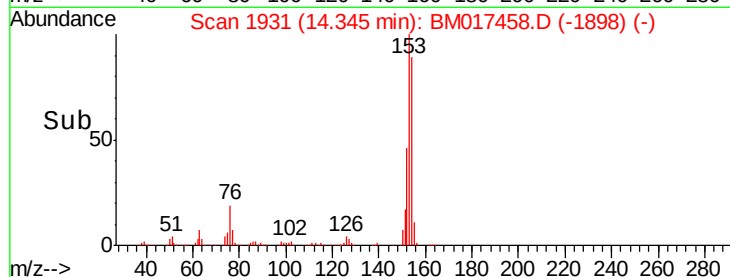
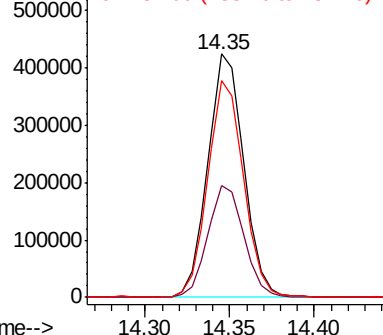
153 100

152 45.8 36.9 55.3

154 88.8 72.2 108.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#55

2,4-Dinitrotoluene

Concen: 31.450 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

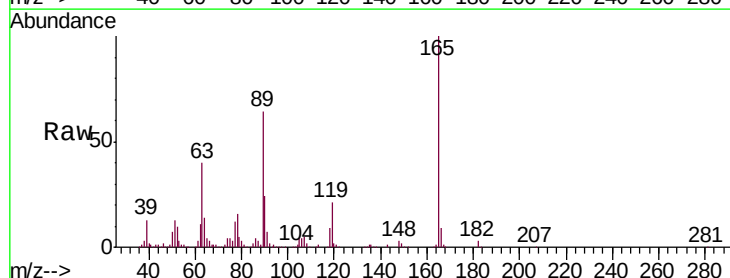
Tgt Ion:165 Resp: 506572

Ion Ratio Lower Upper

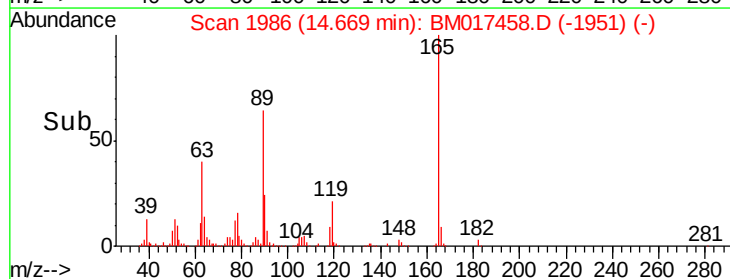
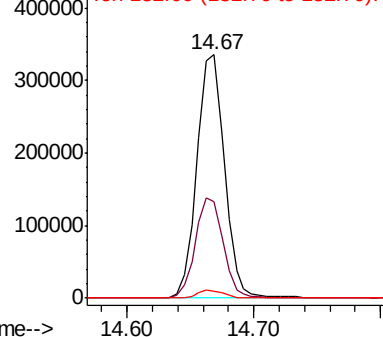
165 100

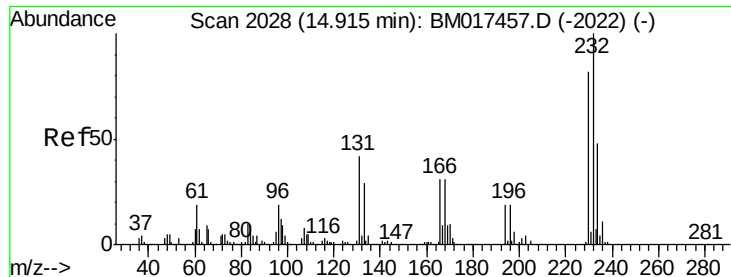
63 39.7 33.9 50.9

182 2.9 2.2 3.4



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 182.00 (181.70 to 182.70): E

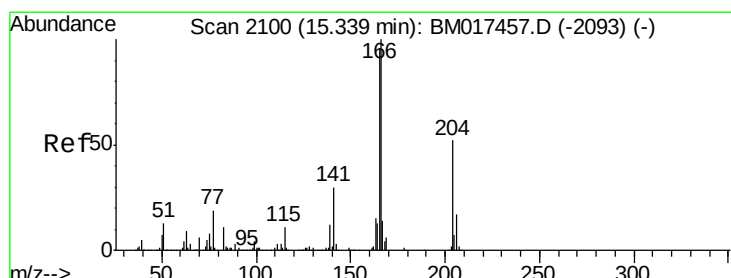
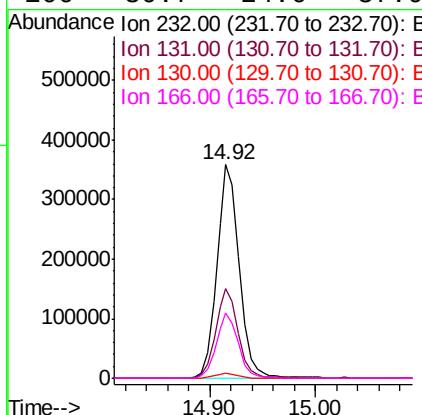
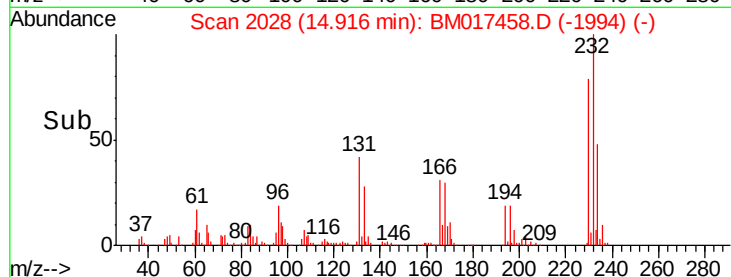
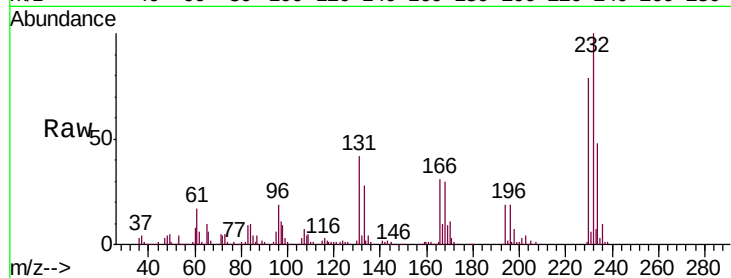




#56
 2,3,4,6-Tetrachlorophenol
 Concen: 38.481 ng/ul
 RT: 14.92 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

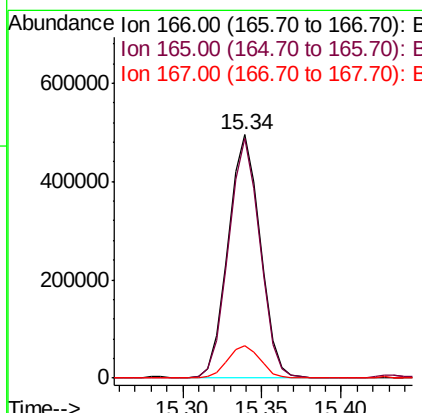
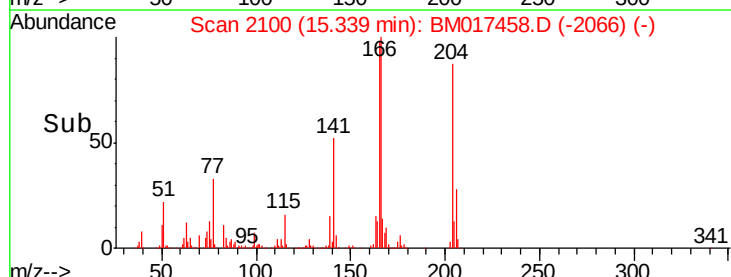
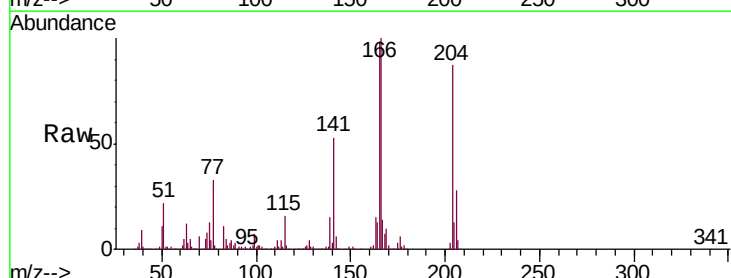
Instrument :
 BNA_M
 ClientSampleId :
 A40D7

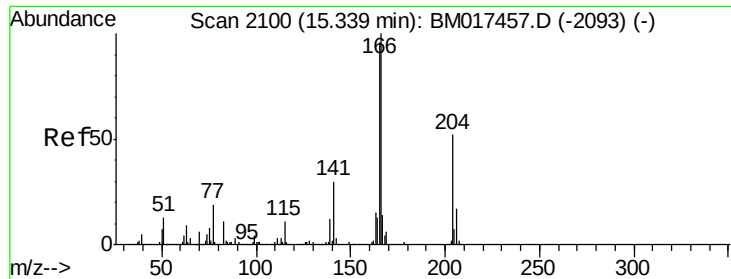
Tgt Ion:	232	Resp:	529209
Ion	Ratio	Lower	Upper
232	100		
131	41.9	33.0	49.4
130	2.1	1.9	2.9
166	30.7	24.6	37.0



#59
 Fluorene
 Concen: 13.190 ng/ul
 RT: 15.34 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion:	166	Resp:	697822
Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.5	116.3
167	13.5	10.8	16.2

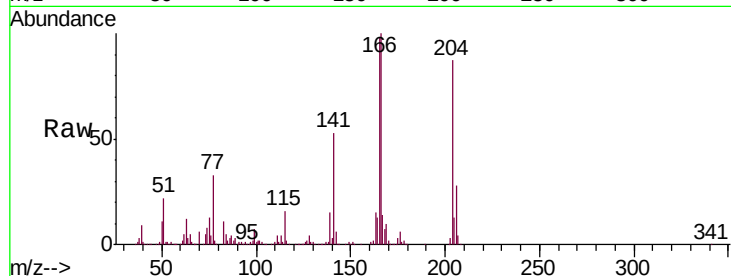




#60
 4-Chlorophenyl-phenylether
 Concen: 21.710 ng/ul
 RT: 15.34 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Instrument :
 BNA_M
 ClientSampled :
 A40D7

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	60.1	47.4	71.0

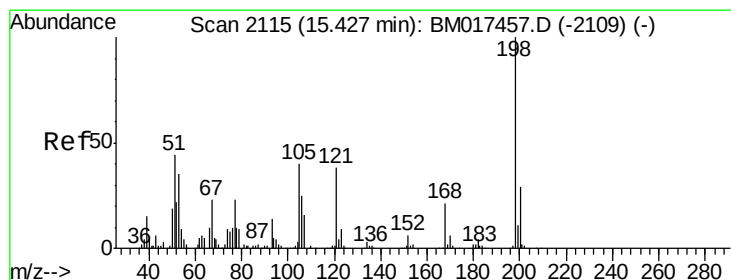
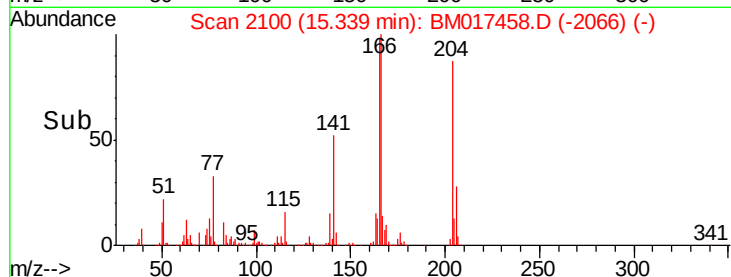
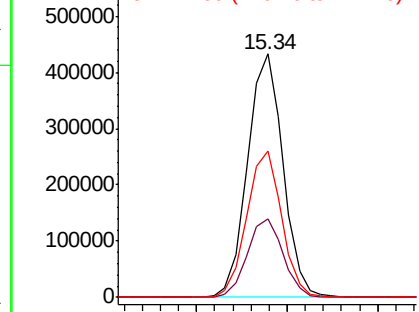


Abundance

Ion 204.00 (203.70 to 204.70): E

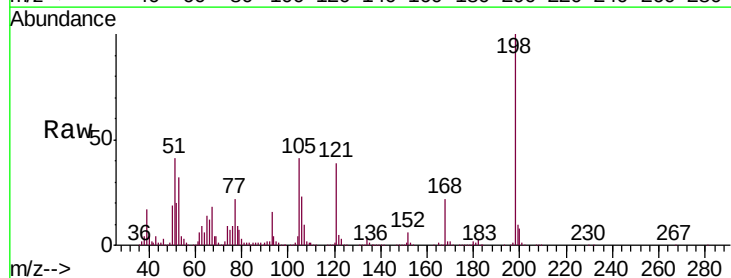
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#64
 4,6-Dinitro-2-methylphenol
 Concen: 84.837 ng/ul
 RT: 15.43 min Scan# 2116
 Delta R.T. 0.01 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion	Ratio	Lower	Upper
198	100		
182	3.4	3.5	5.3#
77	22.4	20.3	30.5

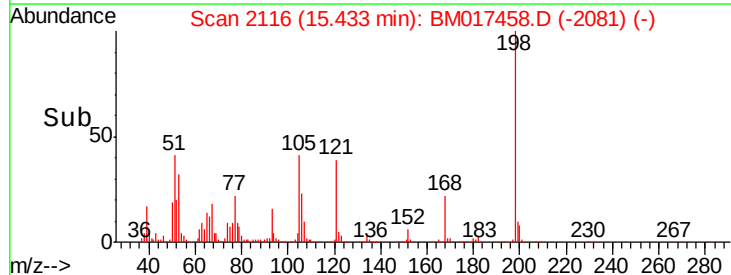
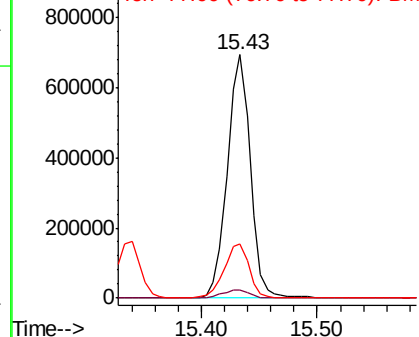


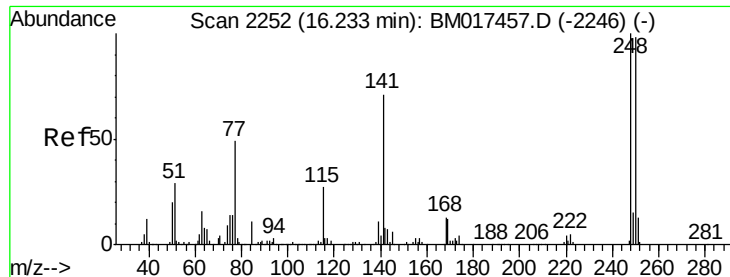
Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM

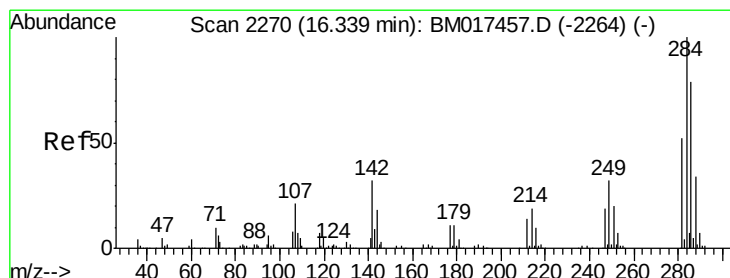
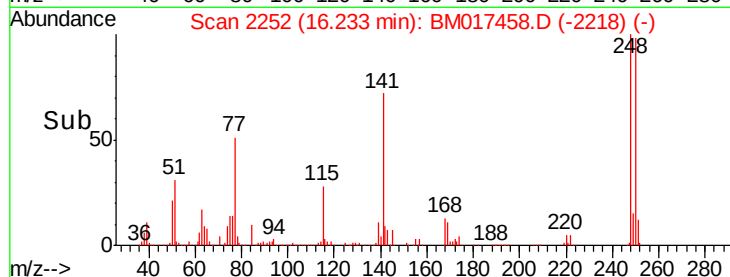
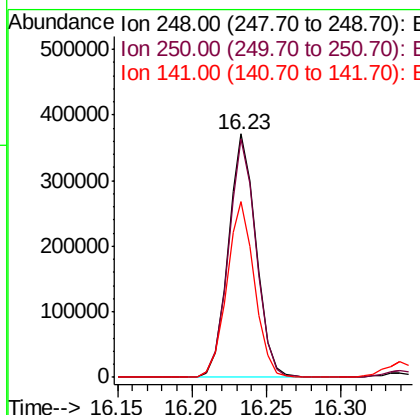
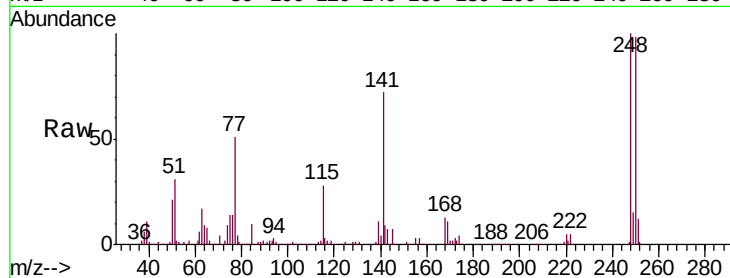




#66
 4-Bromophenyl-phenylether
 Concen: 27.023 ng/ul
 RT: 16.23 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

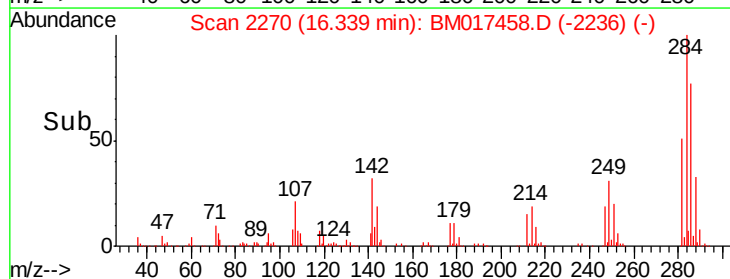
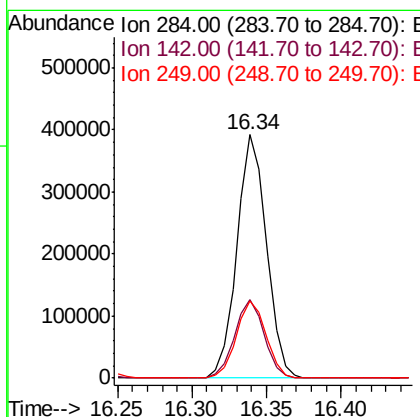
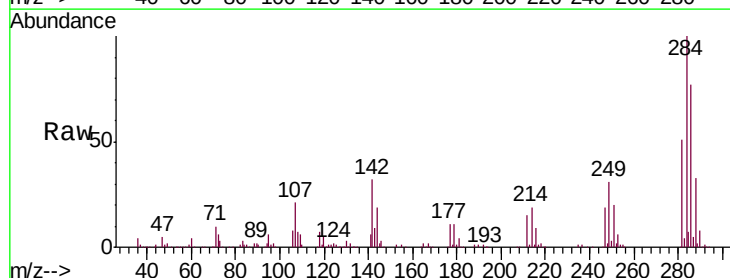
Instrument :
 BNA_M
 ClientSampleId :
 A40D7

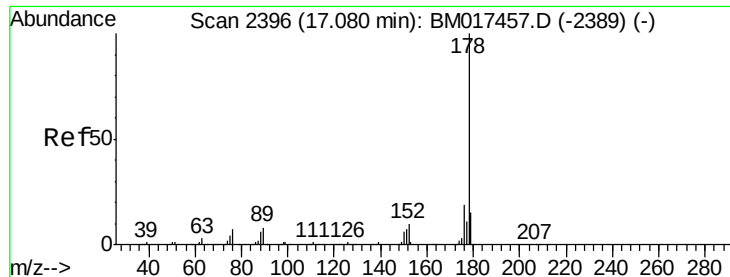
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.9	80.0	120.0
141	72.4	60.6	91.0



#67
 Hexachlorobenzene
 Concen: 26.783 ng/ul
 RT: 16.34 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	28.0	42.0
249	31.5	25.8	38.6





#70

Phenanthrene

Concen: 13.587 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

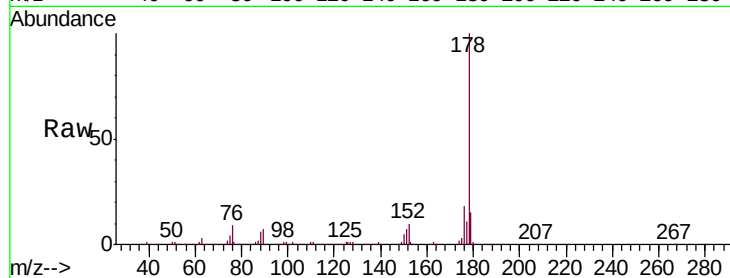
Tgt Ion:178 Resp: 1241428

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.2

176 18.0 14.9 22.3

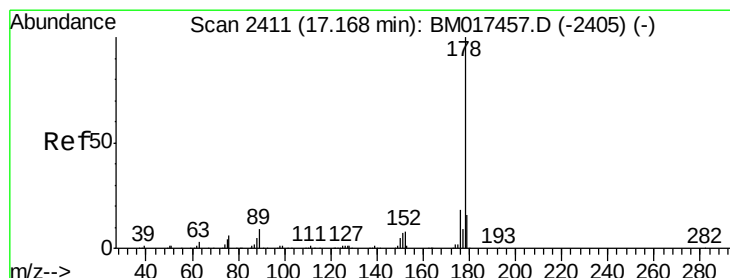
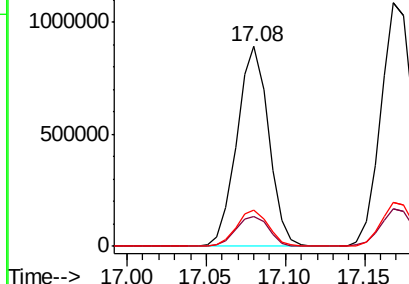
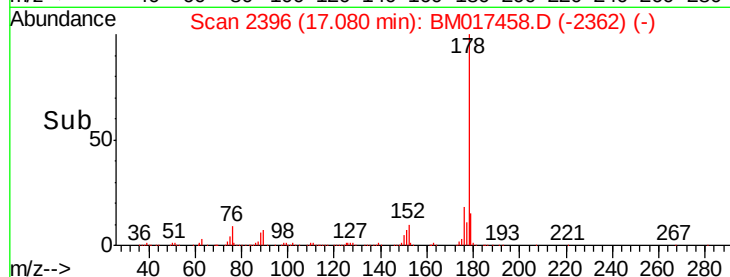


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 16.588 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

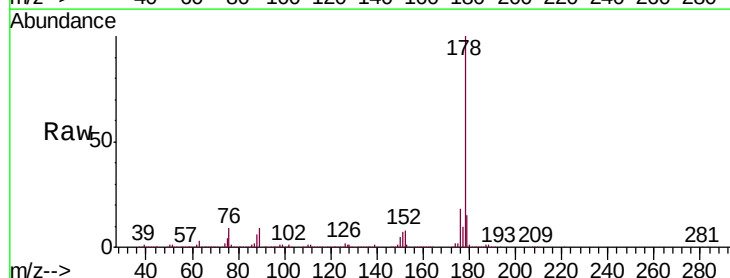
Tgt Ion:178 Resp: 1539400

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 18.0 14.2 21.2

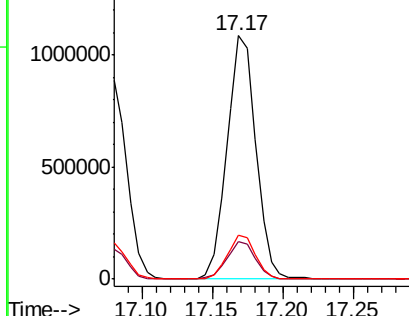
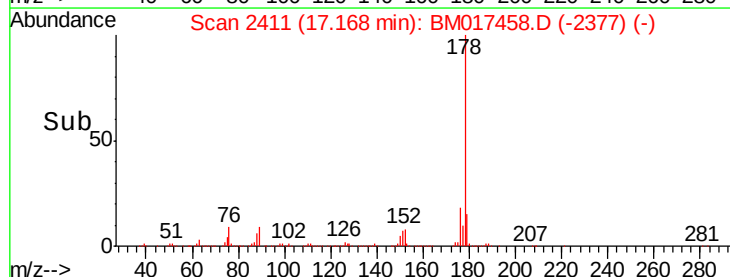


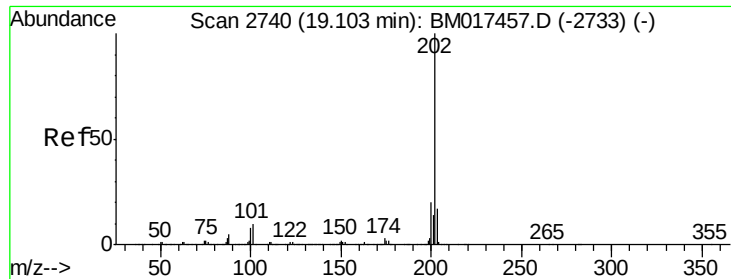
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

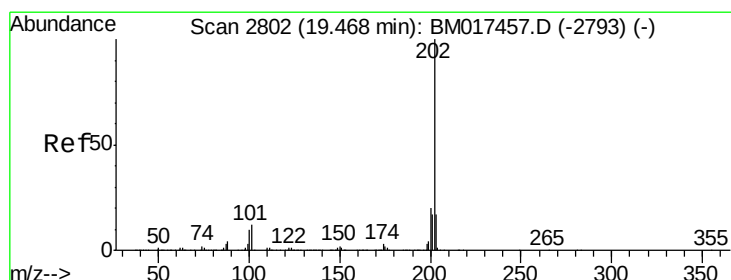
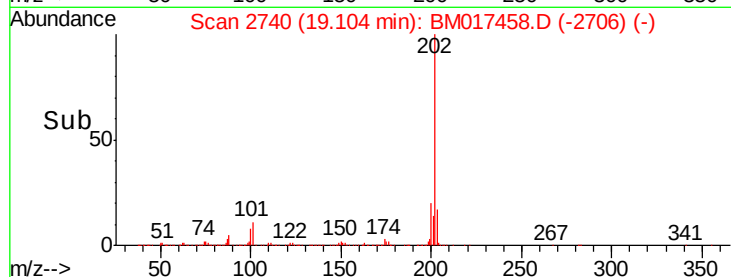
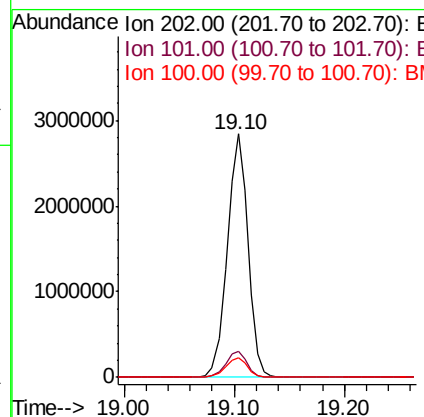
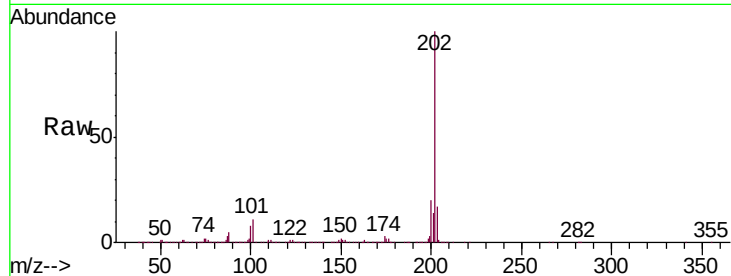




#77
 Fluoranthene
 Concen: 35.501 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

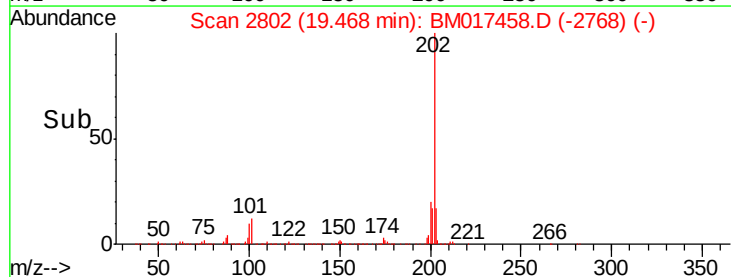
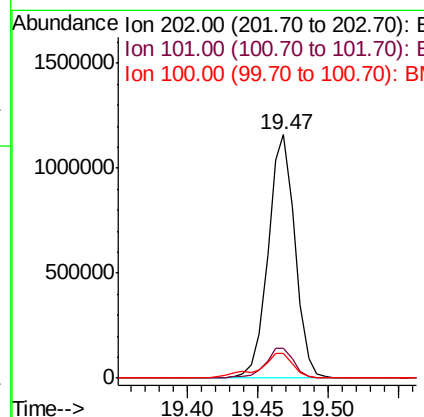
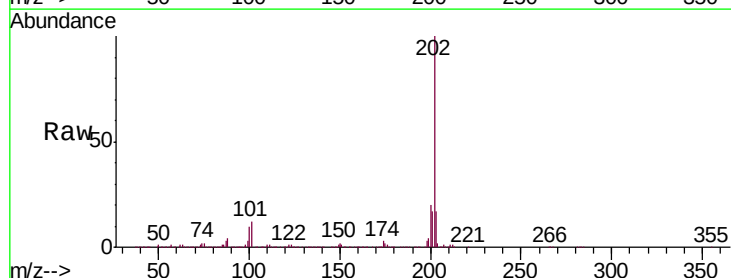
Instrument :
 BNA_M
 ClientSampleId :
 A40D7

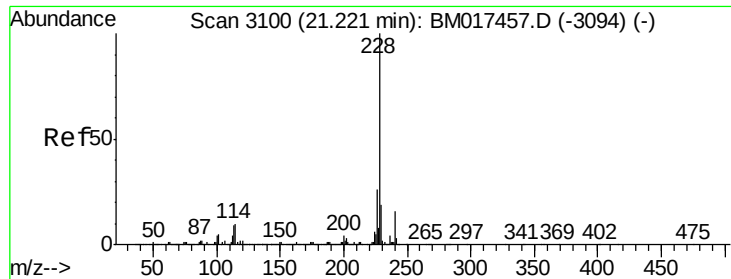
Tgt Ion:202 Resp: 3718111
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.2 12.4
 100 8.2 6.3 9.5



#80
 Pyrene
 Concen: 14.238 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. 0.00 min
 Lab File: BM017458.D
 Acq: 01 Nov 2018 10:29

Tgt Ion:202 Resp: 1546945
 Ion Ratio Lower Upper
 202 100
 101 12.3 9.5 14.3
 100 10.1 8.1 12.1

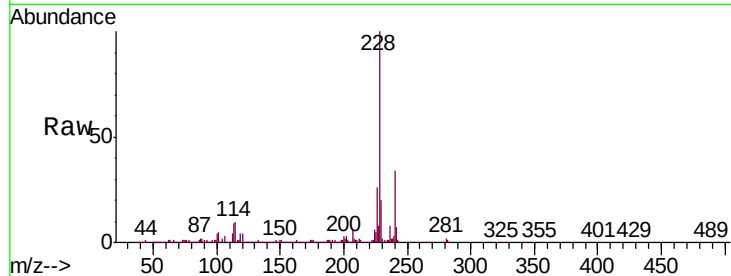




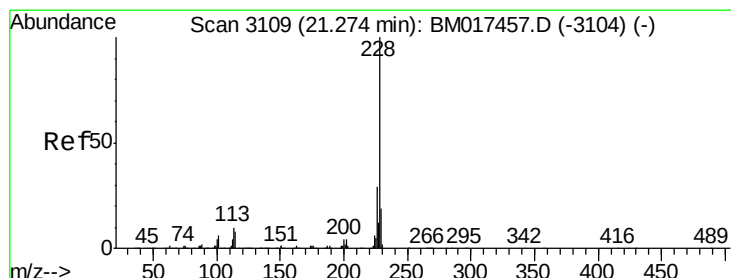
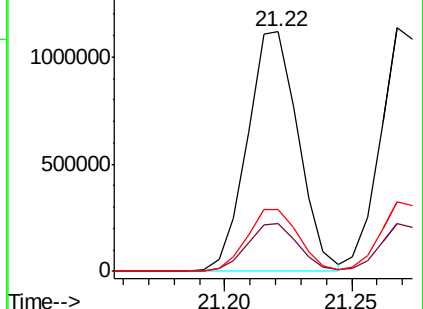
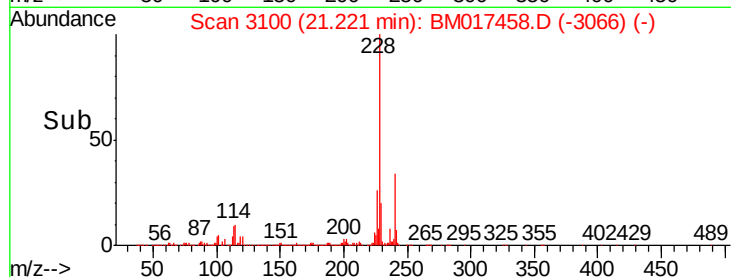
#83
Benzo(a)anthracene
Concen: 13.625 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM017458.D
Acq: 01 Nov 2018 10:29

Instrument :
BNA_M
ClientSampleId :
A40D7

Tgt Ion:228 Resp: 1560072
Ion Ratio Lower Upper
228 100
229 19.7 15.6 23.4
226 26.1 20.8 31.2

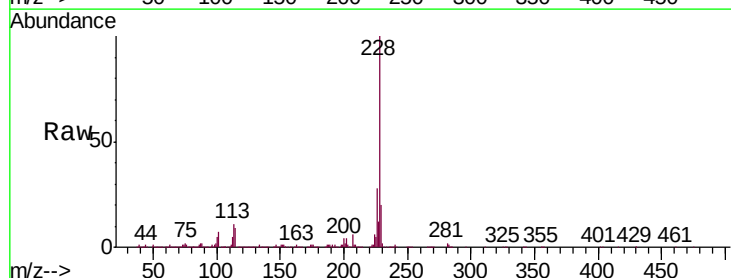


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

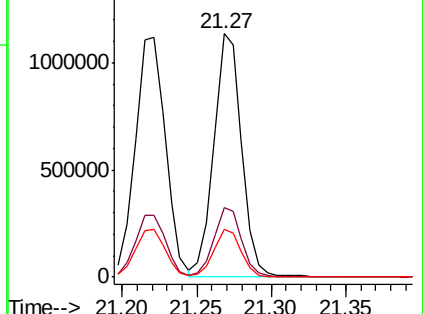
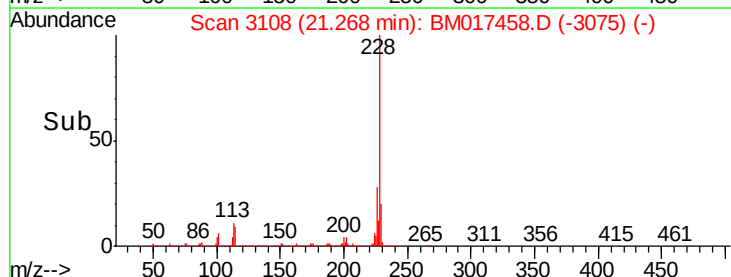


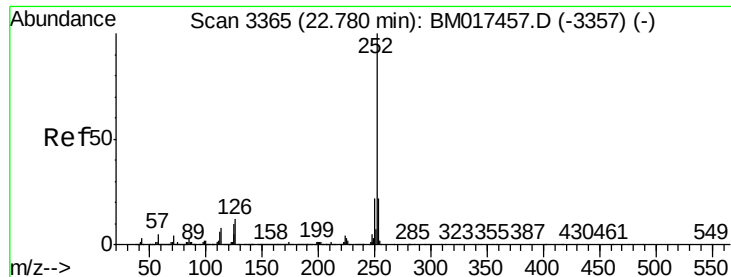
#85
Chrysene
Concen: 13.489 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM017458.D
Acq: 01 Nov 2018 10:29

Tgt Ion:228 Resp: 1468660
Ion Ratio Lower Upper
228 100
226 28.5 23.3 34.9
229 19.8 15.6 23.4



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





#88

Benzo(b)fluoranthene

Concen: 45.955 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

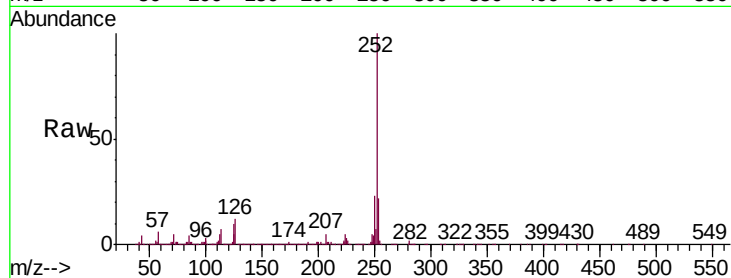
Tgt Ion:252 Resp: 4909402

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

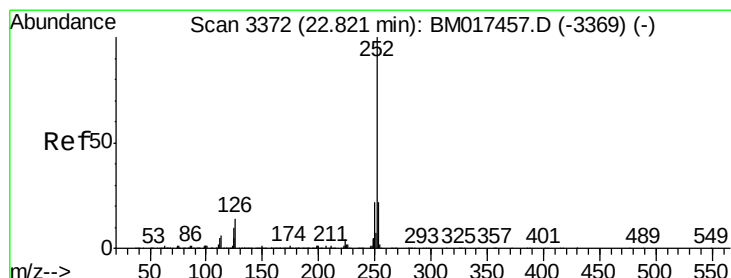
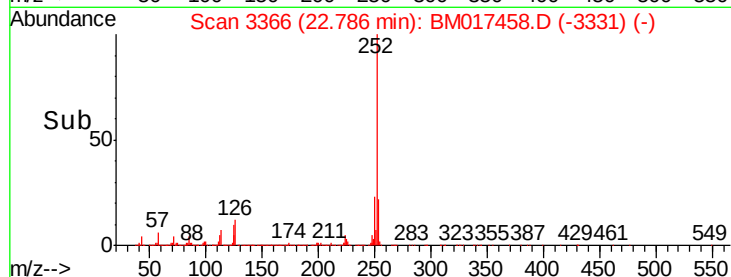
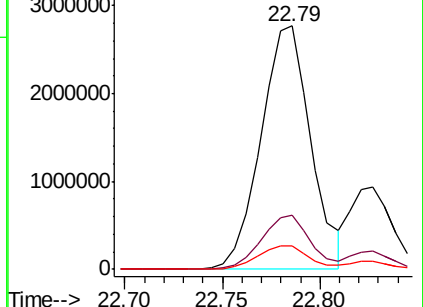
125 9.8 7.2 10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 13.367 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. 0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

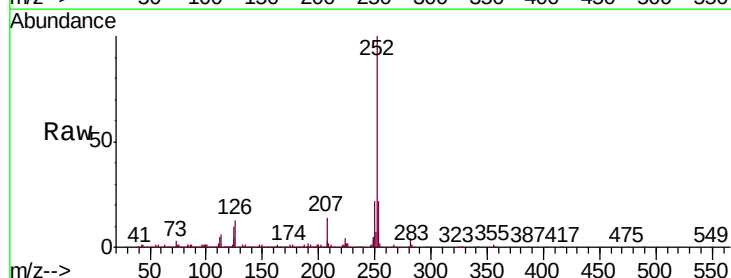
Tgt Ion:252 Resp: 1394869

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

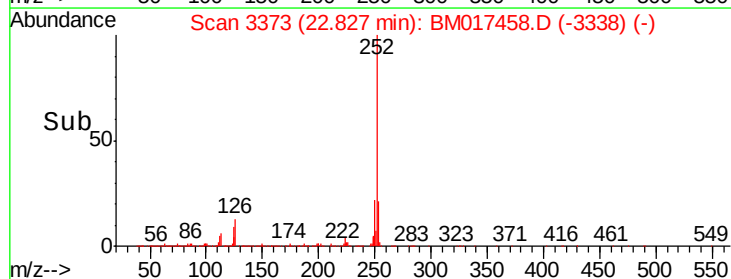
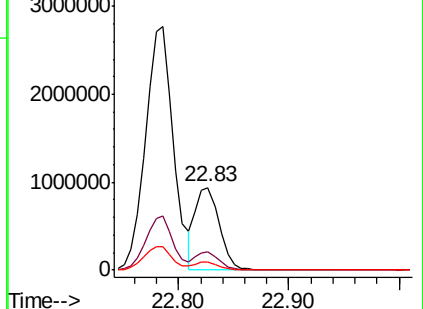
125 9.5 7.8 11.6

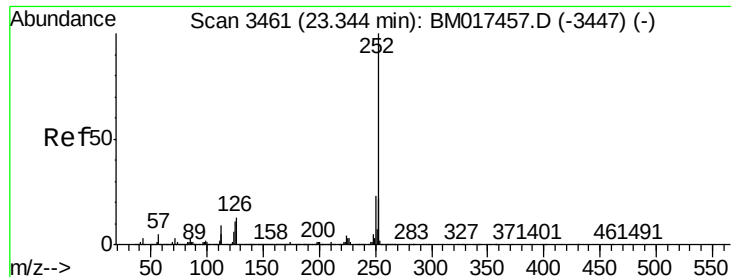


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 11.505 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.00 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

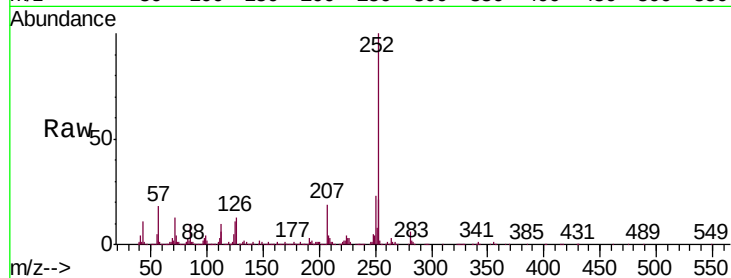
Tgt Ion:252 Resp: 1200711

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

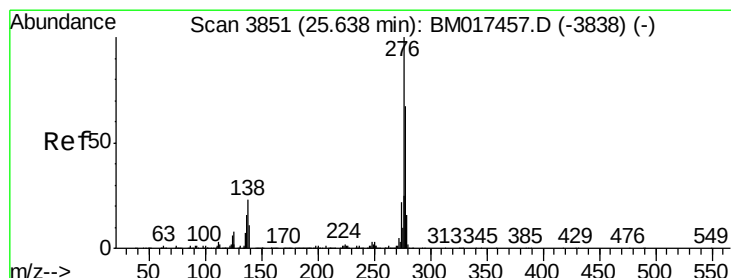
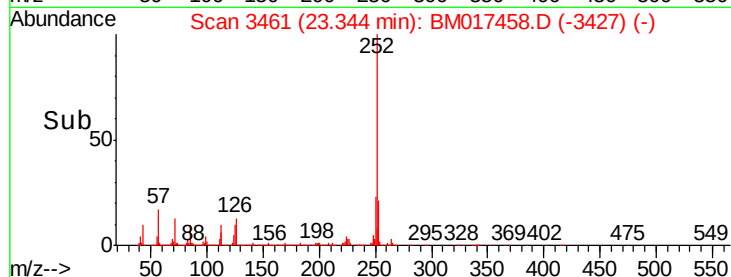
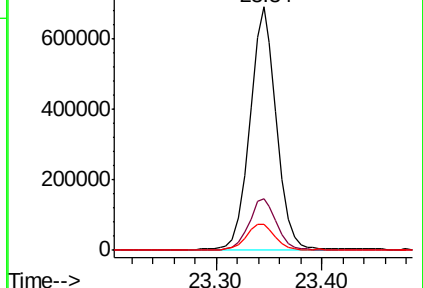
125 10.5 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 12.448 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. 0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

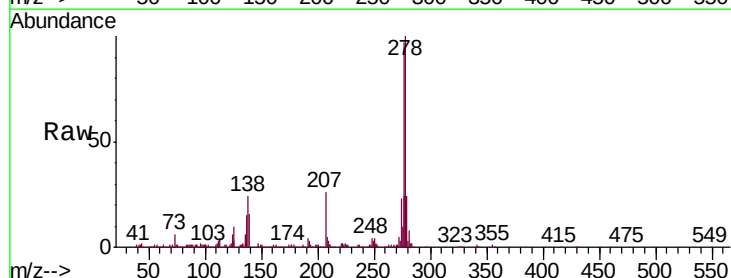
Tgt Ion:276 Resp: 1580712

Ion Ratio Lower Upper

276 100

138 25.1 18.1 27.1

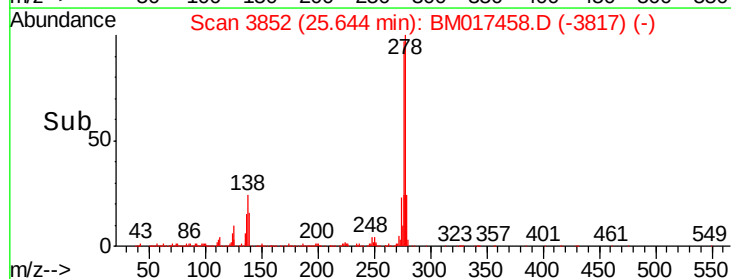
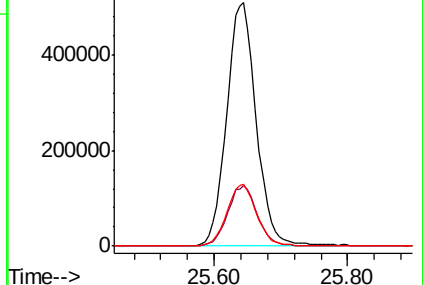
277 25.3 19.6 29.4

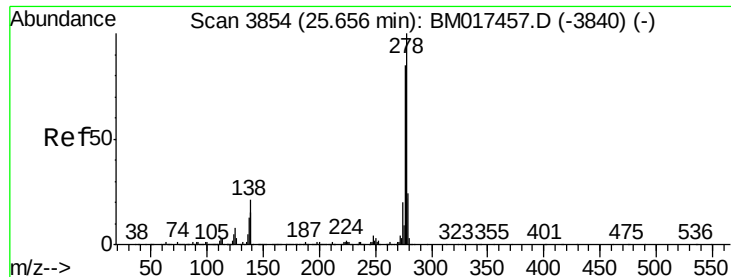


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 14.822 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

Instrument :

BNA_M

ClientSampleId :

A40D7

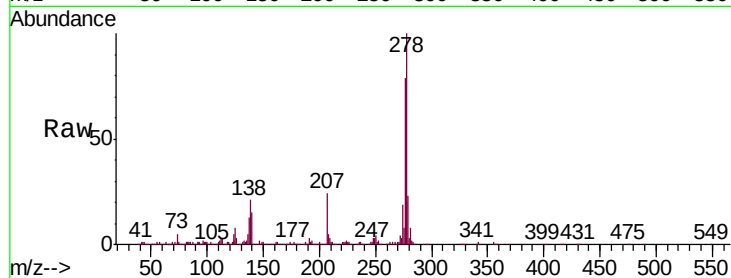
Tgt Ion:278 Resp: 1571669

Ion Ratio Lower Upper

278 100

139 15.2 12.7 19.1

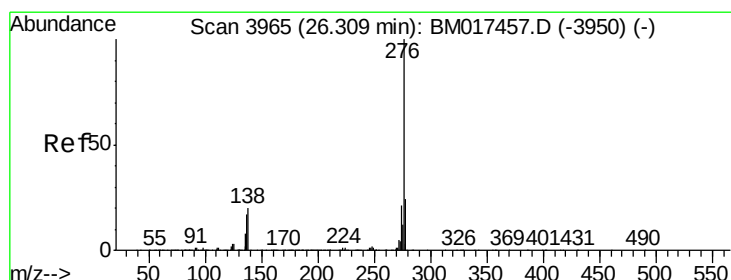
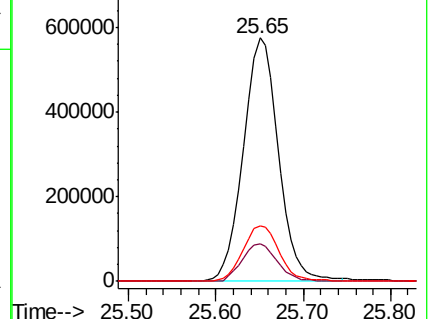
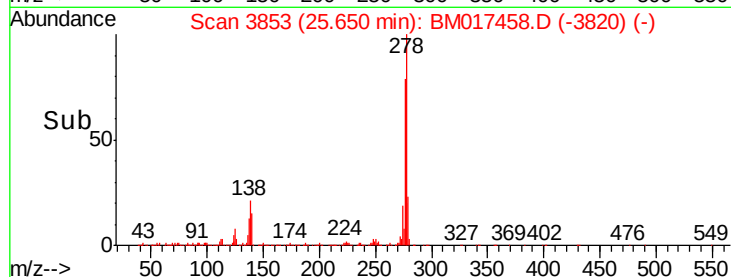
279 22.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 12.604 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. 0.01 min

Lab File: BM017458.D

Acq: 01 Nov 2018 10:29

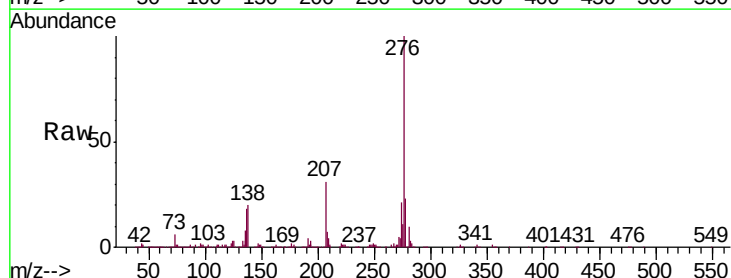
Tgt Ion:276 Resp: 1359645

Ion Ratio Lower Upper

276 100

138 19.9 16.6 25.0

277 23.3 18.9 28.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

