

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091918\
 Data File : BM016790.D
 Acq On : 19 Sep 2018 10:25
 Operator : SJ/JU
 Sample : J4900-09
 Misc : PE
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A3Z92

Quant Time: Sep 20 02:11:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 20 01:54:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	362768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	1638751	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	893319	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.12	188	1807528	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	1504211	20.00	ng/ul	0.00
86) Perylene-d12	23.54	264	1392756	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	41613	4.91	ng/uL	0.00
5) Phenol-d5	6.90	99	947544	30.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	581440	30.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	773575	30.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	782397	33.05	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	377075	35.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	365238	37.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	822146	33.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	1088471	36.24	ng/ul	0.00
44) Dimethylphthalate-d6	13.78	166	2393802	33.37	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	3070825	33.14	ng/ul	0.00
52) 4-Nitrophenol-d4	14.57	143	378418	32.15	ng/ul	0.01
58) Fluorene-d10	15.36	176	2068515	33.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.48	200	255948	34.49	ng/ul	0.00
71) Anthracene-d10	17.21	188	2991203	34.30	ng/ul	0.00
79) Pyrene-d10	19.51	212	2860387	39.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	2609114	35.91	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.93	94	1670800	54.703	ng/ul	97
10) 2-Chlorophenol	7.29	128	1396367	55.671	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.26	45	792076	21.300	ng/ul	98
17) Hexachloroethane	8.80	117	524967	53.286	ng/ul	92
27) 2,4-Dichlorophenol	10.15	162	1351008	56.525	ng/ul	98
28) Naphthalene	10.56	128	4392001	52.122	ng/ul	99
31) Hexachlorobutadiene	10.84	225	801121	49.657	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.55	216	2210871	72.063	ng/ul	98
46) 2,6-Dinitrotoluene	13.95	165	825016	76.625	ng/ul	96
50) Acenaphthene	14.43	153	3647904	58.594	ng/ul	99
55) 2,4-Dinitrotoluene	14.73	165	1007866	63.658	ng/ul	99
57) Diethylphthalate	15.20	149	4013964	57.797	ng/ul	98
59) Fluorene	15.42	166	4066368	57.947	ng/ul	99
67) Hexachlorobenzene	16.42	284	1422371	64.627	ng/ul#	93
69) Pentachlorophenol	16.76	266	794076	66.720	ng/ul	97
72) Anthracene	17.24	178	5355541	51.956	ng/ul	98
80) Pyrene	19.54	202	6417536	69.482	ng/ul#	86
81) Butylbenzylphthalate	20.46	149	2113173	61.865	ng/ul	96
83) Benzo(a)anthracene	21.29	228	4147699	44.541	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.23	149	2937282	54.717	ng/ul	98
85) Chrysene	21.34	228	4086050	47.051	ng/ul	99
88) Benzo(b)fluoranthene	22.87	252	3919297	47.015	ng/ul#	96
89) Benzo(k)fluoranthene	22.91	252	3138312	39.205	ng/ul#	97

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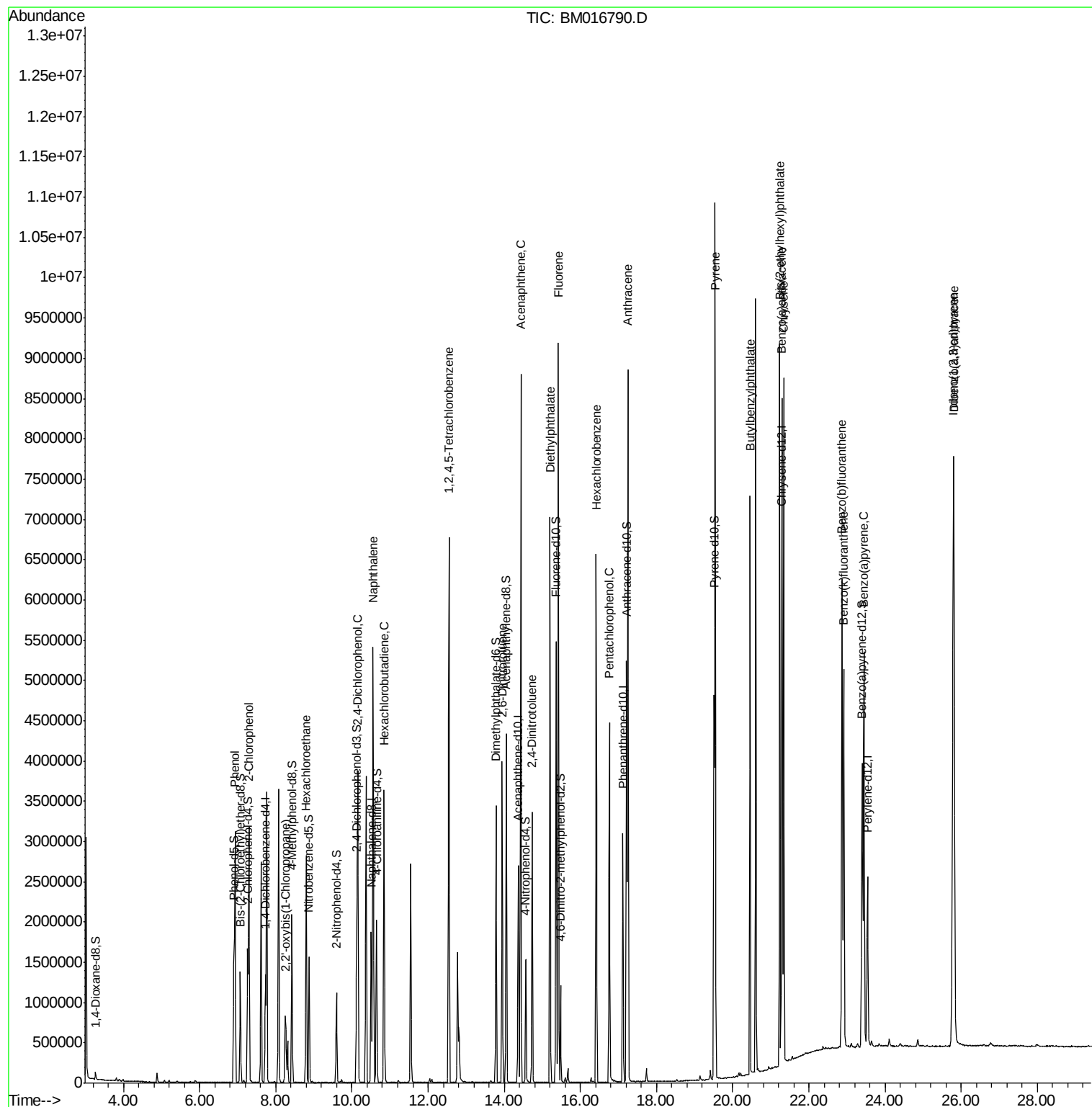
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.44	252	3539062	44.538	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.79	276	5447004	57.464	ng/ul#	86
93) Dibenzo(a,h)anthracene	25.81	278	5070481	63.946	ng/ul#	95

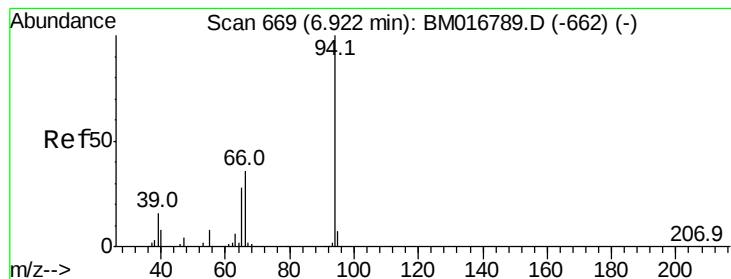
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
ClientSampled :
A3Z92

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Response via : Initial Calibration





#6

Phenol

Concen: 54.703 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. 0.01 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

Instrument :

BNA_M

ClientSampled :

A3Z92

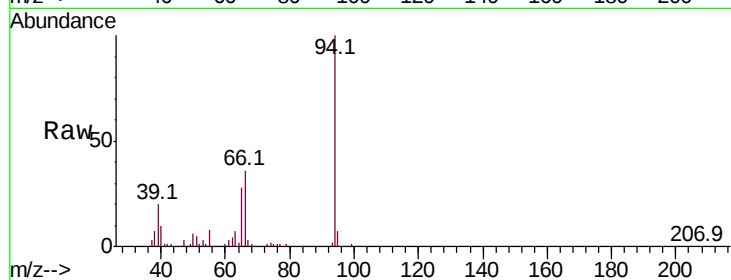
Tot Ion: 94 Resp: 1670800

Ion Ratio Lower Upper

94 100

65 27.7 23.0 34.6

66 36.3 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BM016790.D (-635) (-)

Ion 65.00 (64.70 to 65.70): BM016790.D (-635) (-)

Ion 66.00 (65.70 to 66.70): BM016790.D (-635) (-)

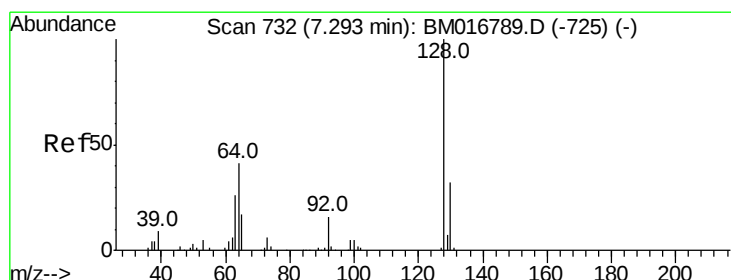
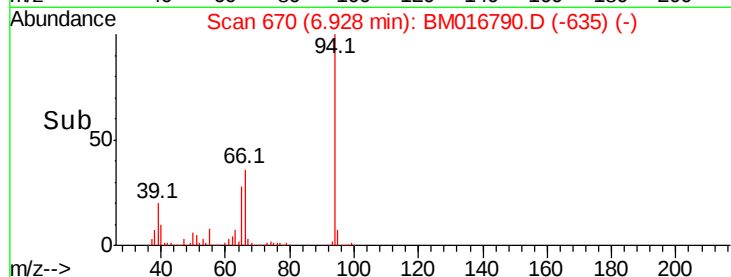
6.93

1000000

500000

0

Time-->



#10

2-Chlorophenol

Concen: 55.671 ng/ul

RT: 7.29 min Scan# 732

Delta R.T. -0.00 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

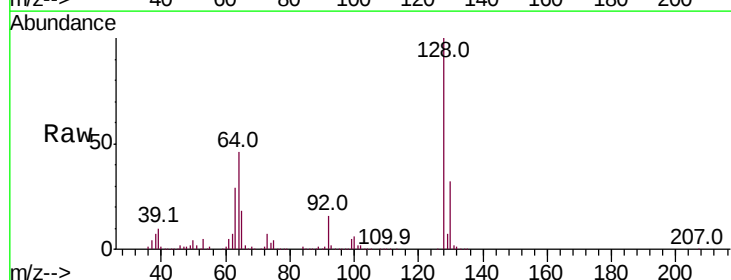
Tgt Ion:128 Resp: 1396367

Ion Ratio Lower Upper

128 100

64 45.6 39.8 59.6

130 32.1 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): BM016790.D (-698) (-)

Ion 64.00 (63.70 to 64.70): BM016790.D (-698) (-)

Ion 130.00 (129.70 to 130.70): BM016790.D (-698) (-)

7.29

1200000

1000000

800000

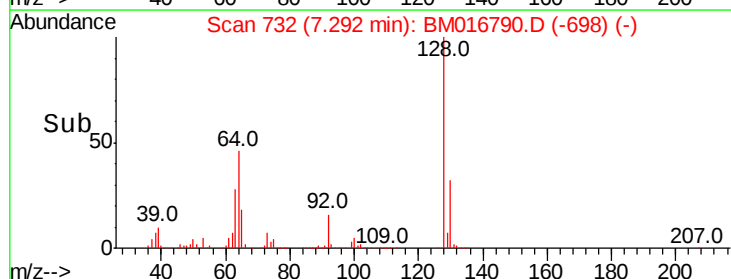
600000

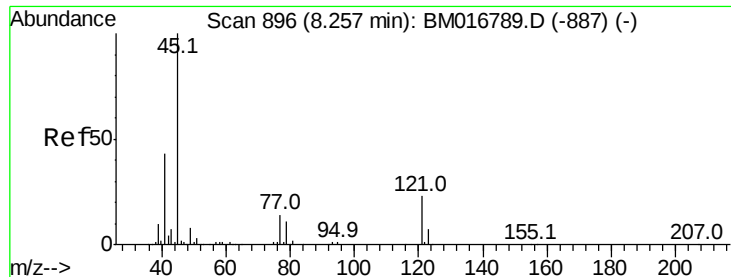
400000

200000

0

Time-->

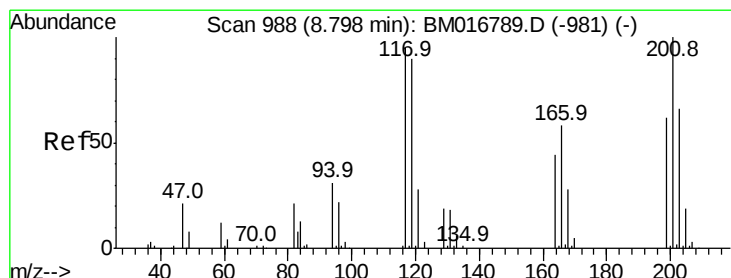
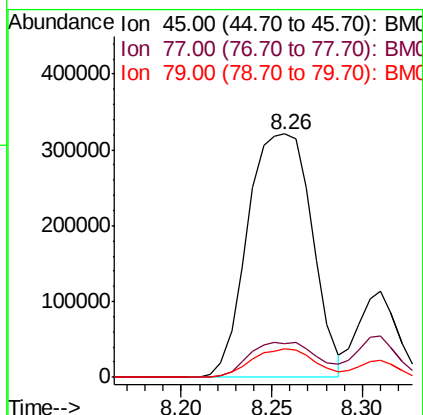
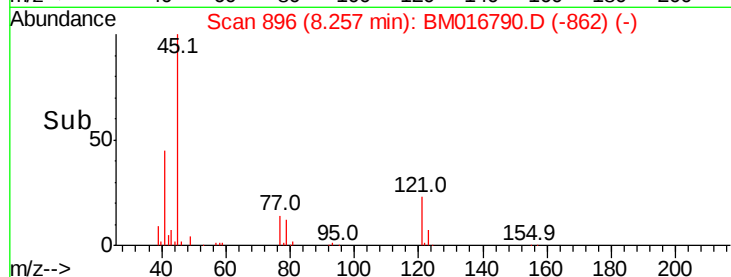
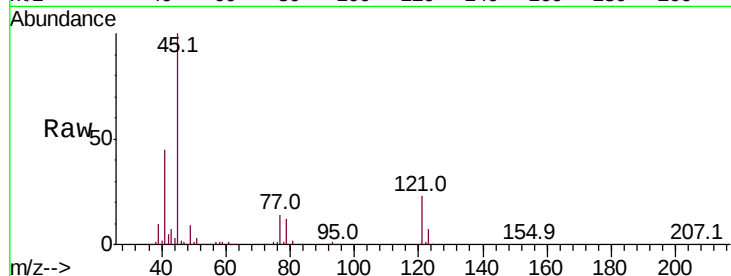




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 21.300 ng/ul
RT: 8.26 min Scan# 896
Delta R.T. -0.00 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

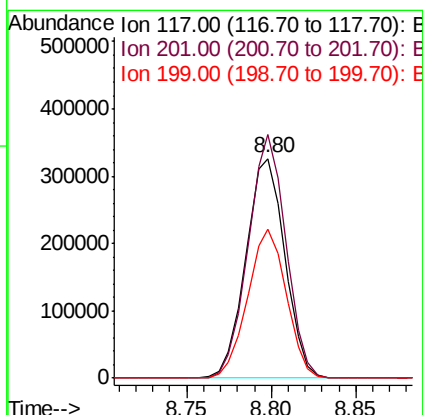
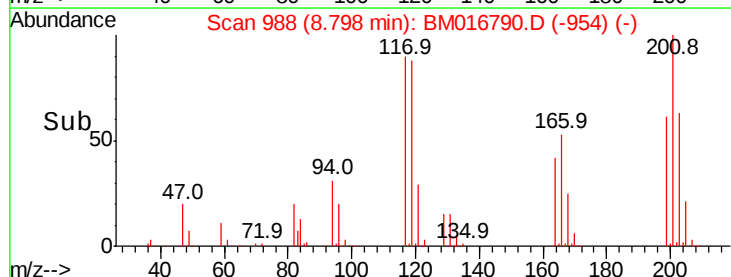
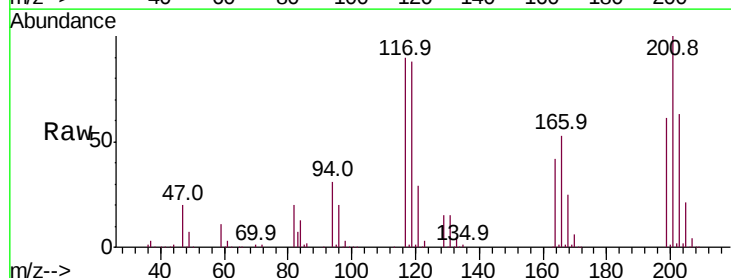
Instrument :
BNA_M
ClientSampleId :
A3Z92

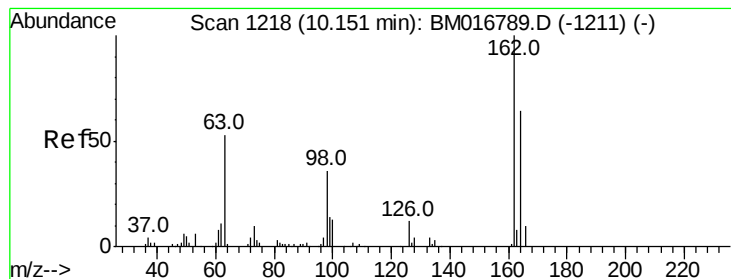
Tot Ion: 45 Resp: 792076
Ion Ratio Lower Upper
45 100
77 14.0 12.5 18.7
79 11.8 9.4 14.2



#17
Hexachloroethane
Concen: 53.286 ng/ul
RT: 8.80 min Scan# 988
Delta R.T. -0.00 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

Tgt Ion: 117 Resp: 524967
Ion Ratio Lower Upper
117 100
201 110.7 96.1 144.1
199 67.9 59.7 89.5





#27

2,4-Dichlorophenol

Concen: 56.525 ng/ul

RT: 10.15 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

Instrument :

BNA_M

ClientSampleId :

A3Z92

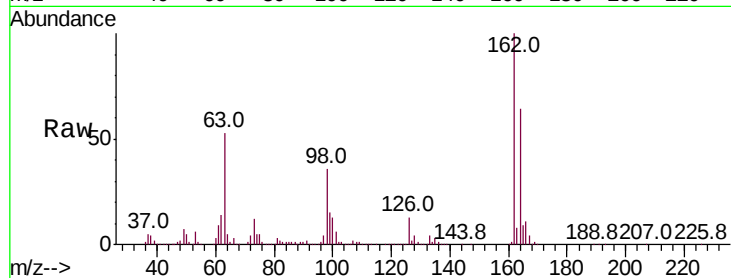
Tot Ion:162 Resp: 1351008

Ion Ratio Lower Upper

162 100

164 64.4 52.0 78.0

98 35.6 26.6 39.8

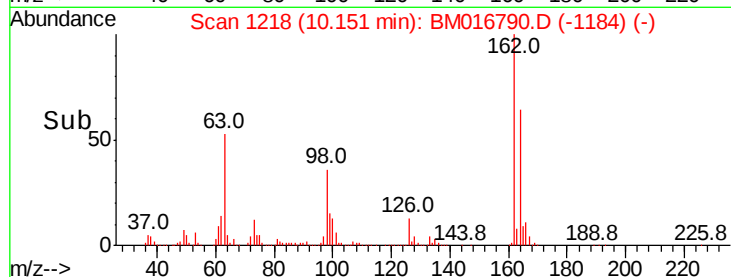


Abundance Ion 162.00 (161.70 to 162.70): E

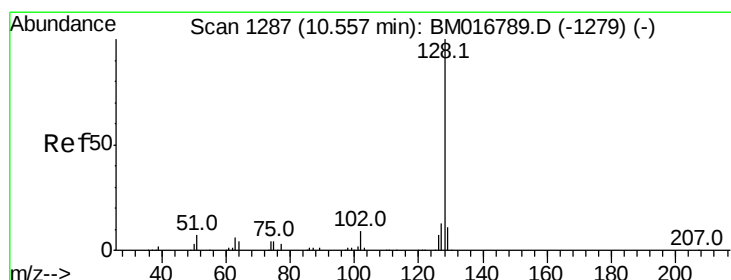
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B

Time-->



Time-->



#28

Naphthalene

Concen: 52.122 ng/ul

RT: 10.56 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

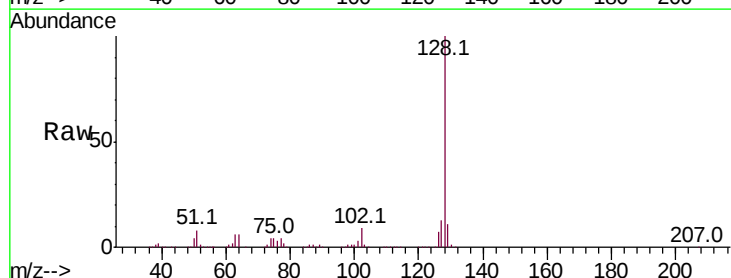
Tgt Ion:128 Resp: 4392001

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 13.1 10.8 16.2

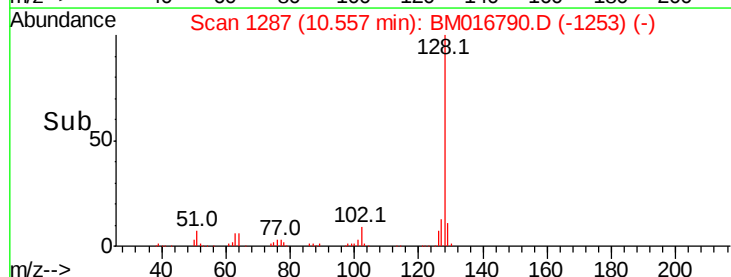


Abundance Ion 128.00 (127.70 to 128.70): E

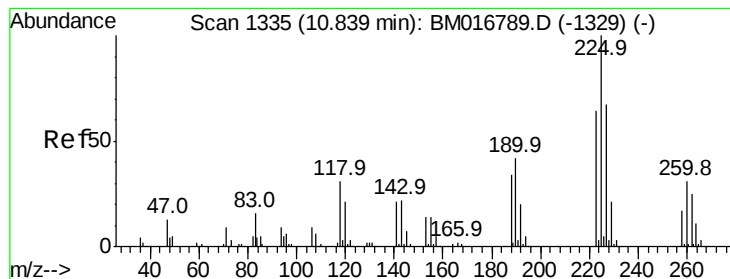
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#31

Hexachlorobutadiene

Concen: 49.657 ng/ul

RT: 10.84 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

Instrument :

BNA_M

ClientSampleId :

A3Z92

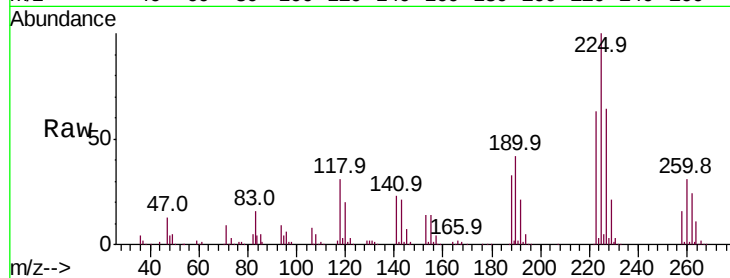
Tot Ion:225 Resp: 801121

Ion Ratio Lower Upper

225 100

223 62.5 48.1 72.1

227 63.9 52.1 78.1

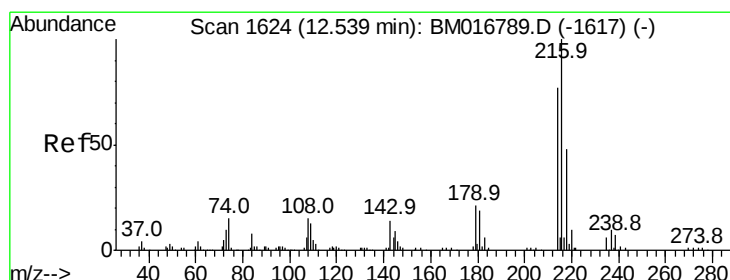
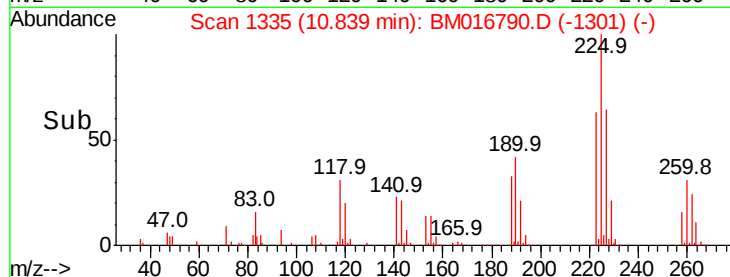
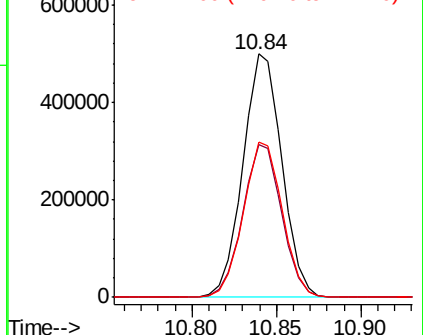


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

1,2,4,5-Tetrachlorobenzene

Concen: 72.063 ng/ul

RT: 12.55 min Scan# 1625

Delta R.T. 0.01 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

Tgt Ion:216 Resp: 2210871

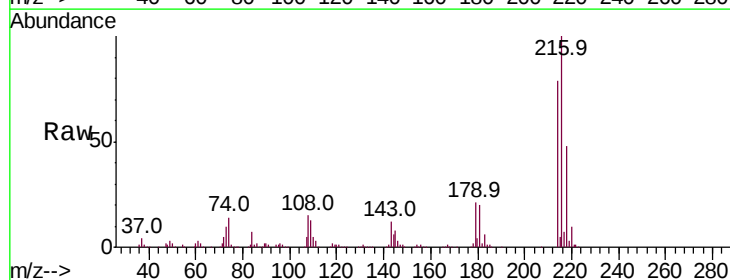
Ion Ratio Lower Upper

216 100

214 79.1 64.1 96.1

179 20.6 14.5 21.7

108 15.3 10.4 15.6



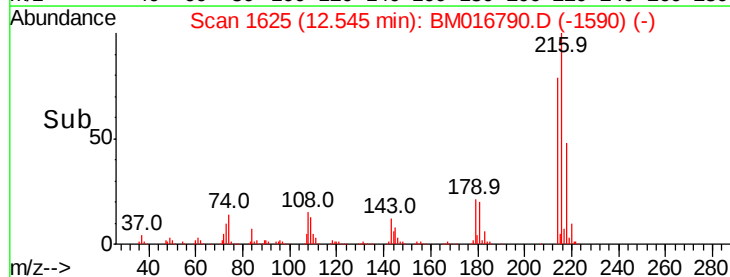
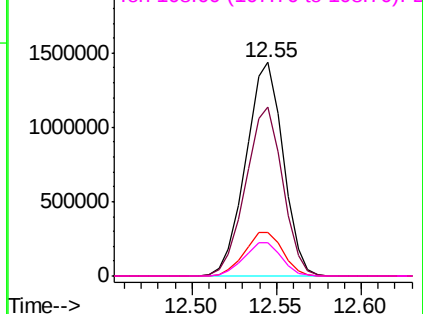
Abundance

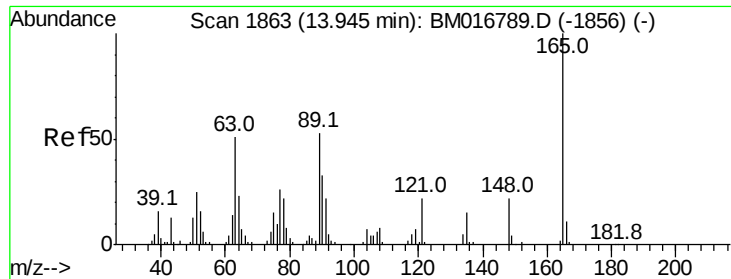
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

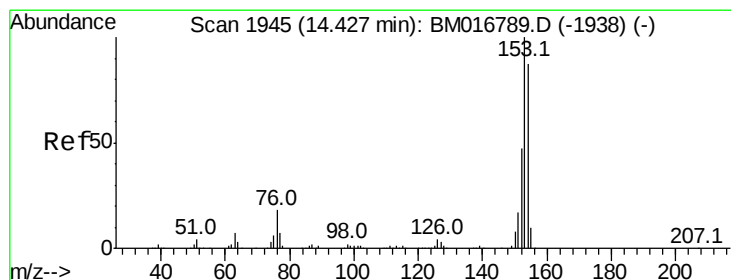
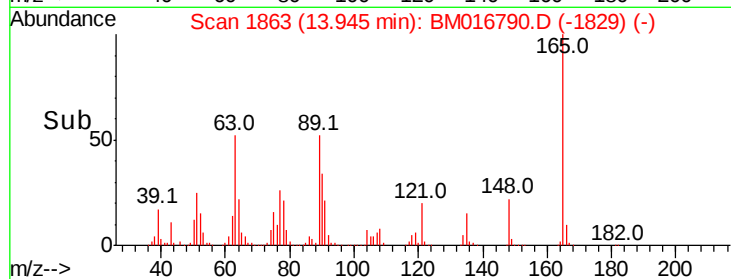
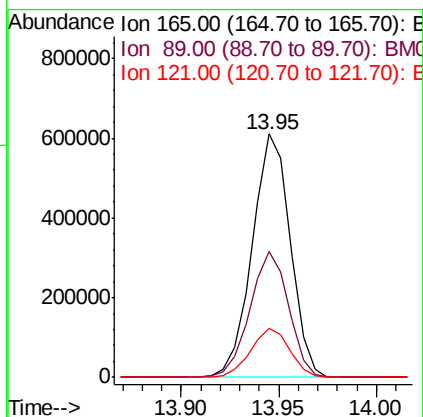
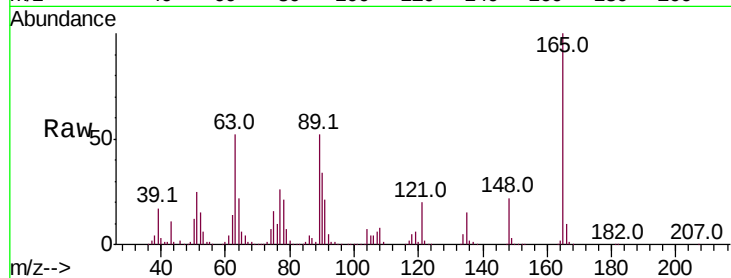




#46
 2,6-Dinitrotoluene
 Concen: 76.625 ng/ul
 RT: 13.95 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

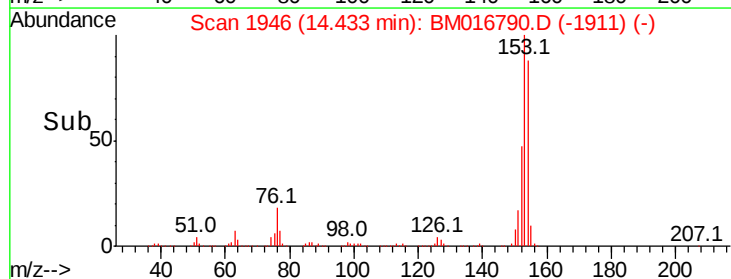
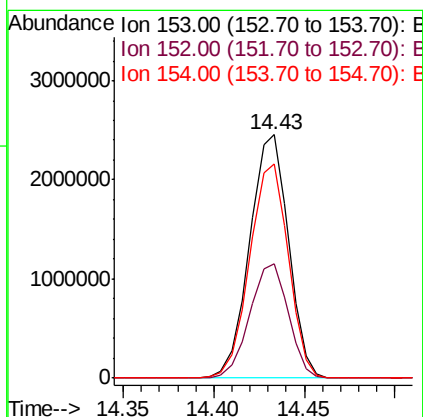
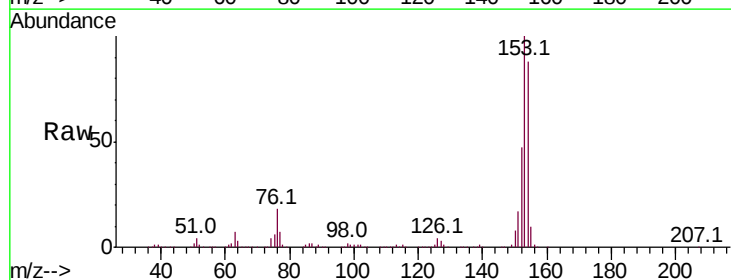
Instrument :
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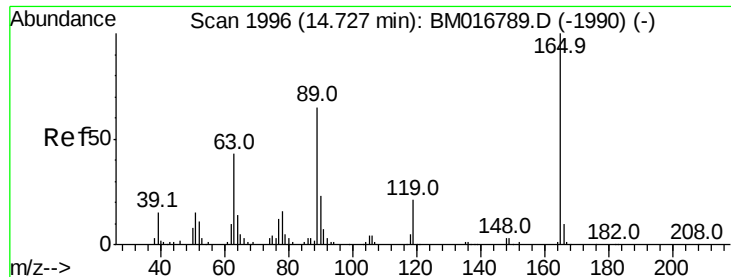
Tot Ion	Ratio	Lower	Upper
165	100		
89	51.7	43.8	65.8
121	20.4	17.8	26.6



#50
 Acenaphthene
 Concen: 58.594 ng/ul
 RT: 14.43 min Scan# 1946
 Delta R.T. 0.01 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.9	56.9
154	88.1	69.8	104.6

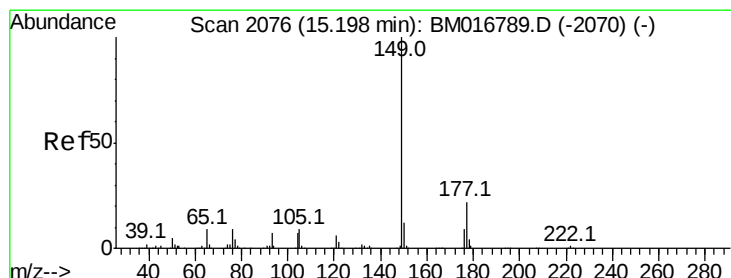
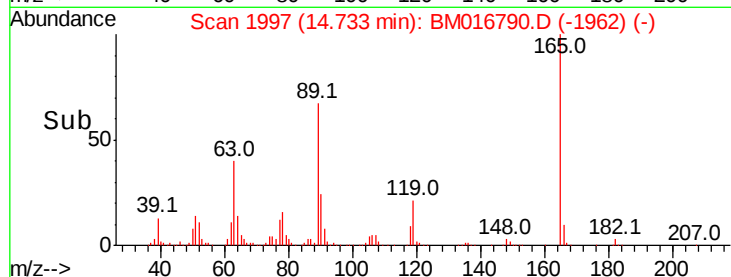
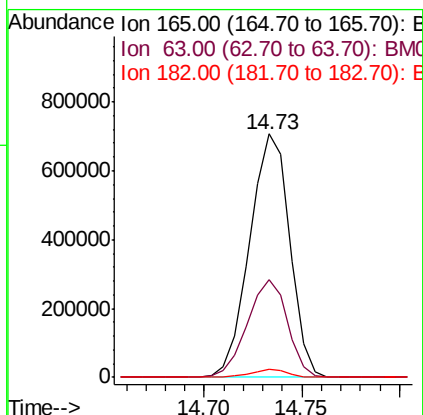
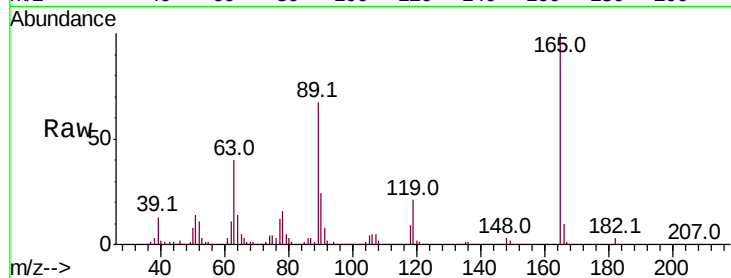




#55
 2,4-Dinitrotoluene
 Concen: 63.658 ng/ul
 RT: 14.73 min Scan# 1997
 Delta R.T. 0.01 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

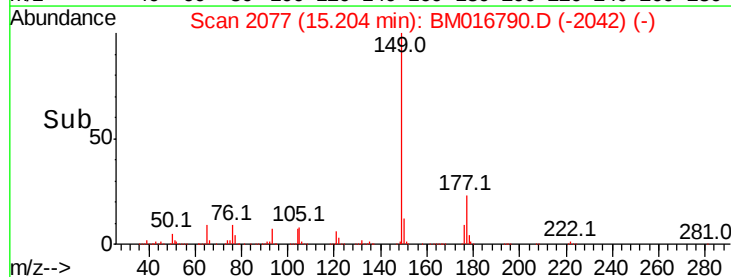
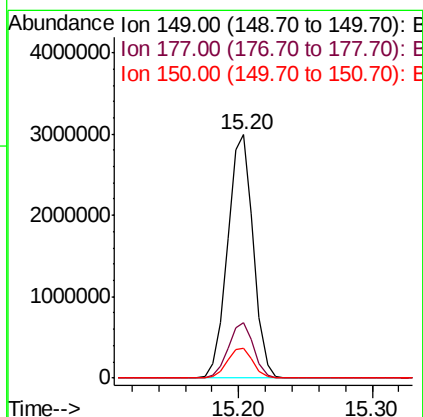
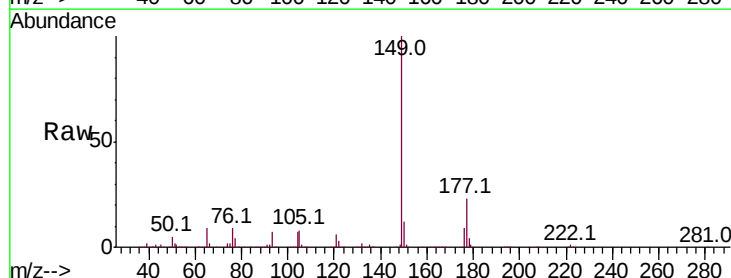
Instrument :
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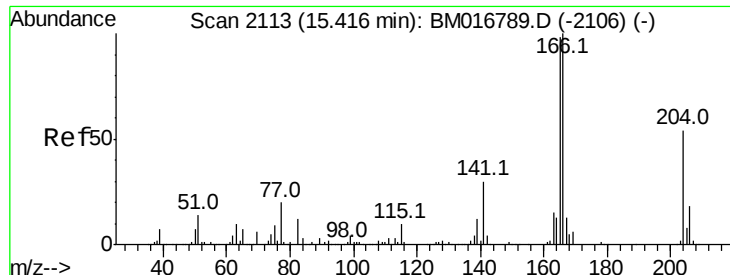
Tot Ion:165 Resp: 1007866
 Ion Ratio Lower Upper
 165 100
 63 40.1 31.4 47.0
 182 3.4 2.7 4.1



#57
 Diethylphthalate
 Concen: 57.797 ng/ul
 RT: 15.20 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

Tgt Ion:149 Resp: 4013964
 Ion Ratio Lower Upper
 149 100
 177 23.0 19.3 28.9
 150 12.4 10.6 15.8





#59

Fluorene

Concen: 57.947 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

Instrument :

BNA_M

ClientSampleId :

A3Z92

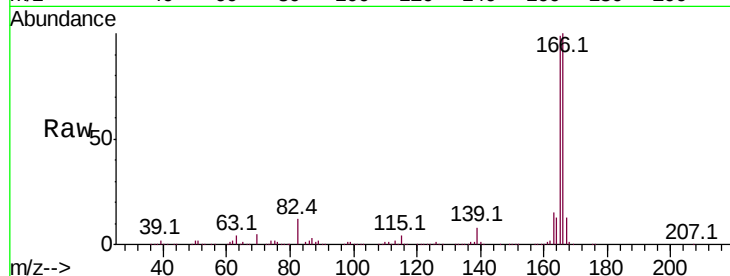
Tot Ion:166 Resp: 4066368

Ion Ratio Lower Upper

166 100

165 98.5 78.4 117.6

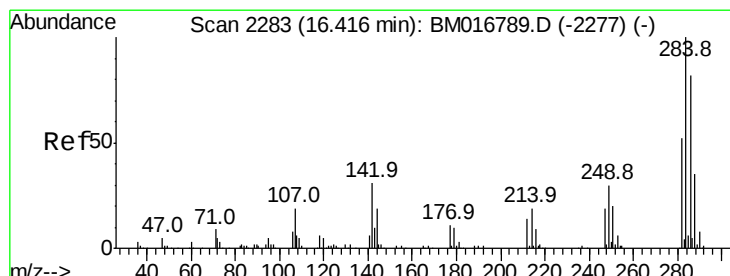
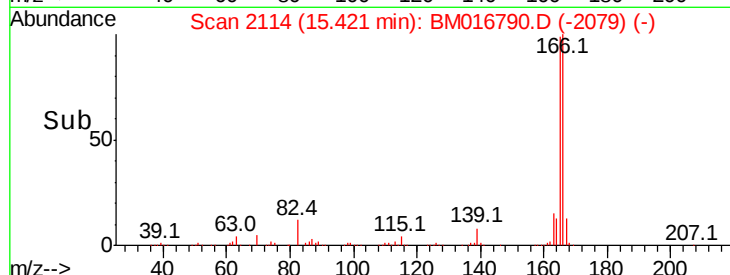
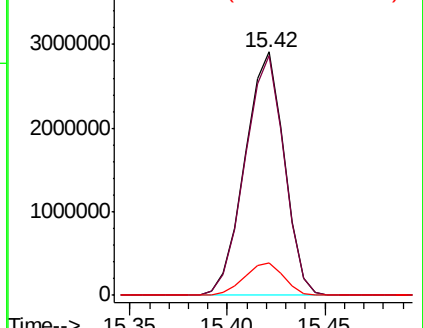
167 13.3 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#67

Hexachlorobenzene

Concen: 64.627 ng/ul

RT: 16.42 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

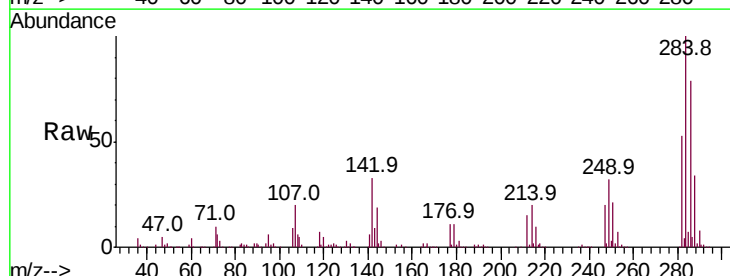
Tgt Ion:284 Resp: 1422371

Ion Ratio Lower Upper

284 100

142 33.2 21.3 31.9#

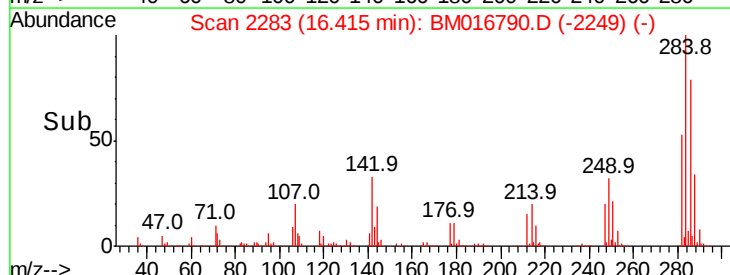
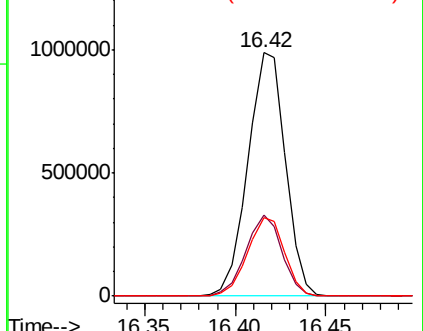
249 32.1 26.3 39.5

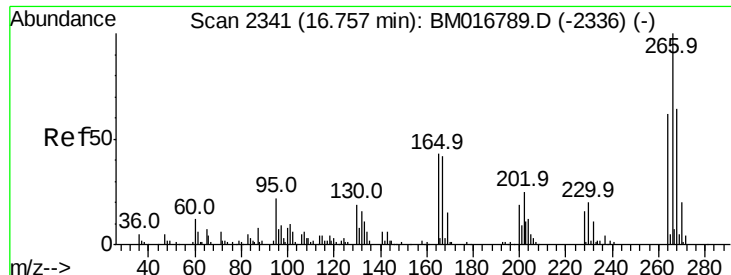


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

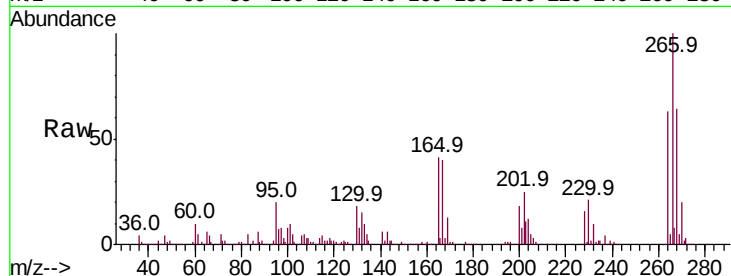




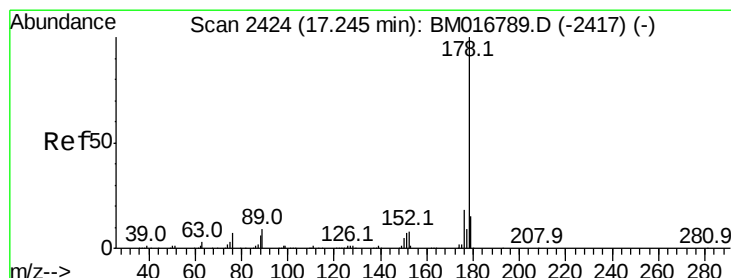
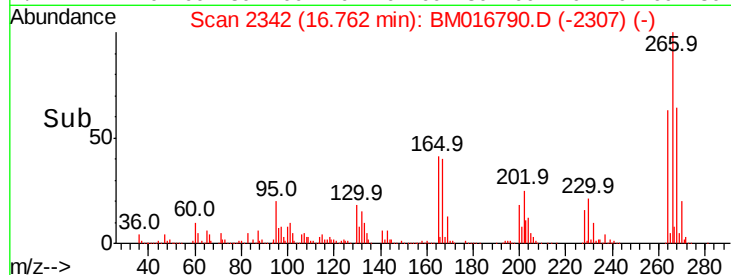
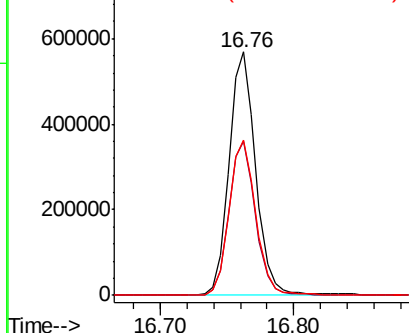
#69
 Pentachlorophenol
 Concen: 66.720 ng/ul
 RT: 16.76 min Scan# 2342
 Delta R.T. 0.01 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

Instrument :
 BNA_M
 ClientSampleId :
 A3Z92

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.2	48.2	72.4
268	63.7	52.3	78.5

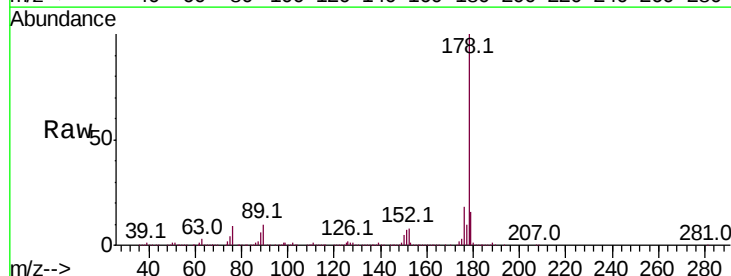


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

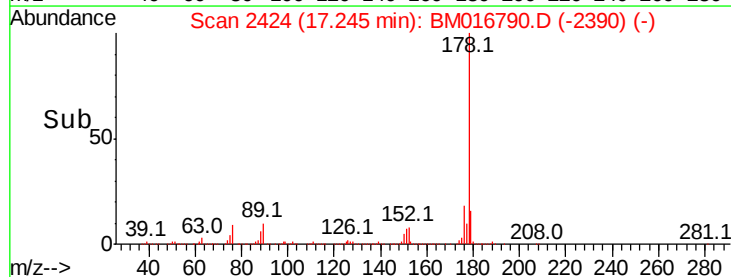
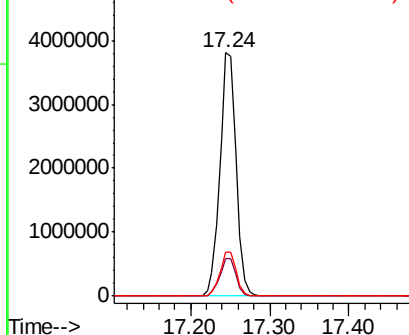


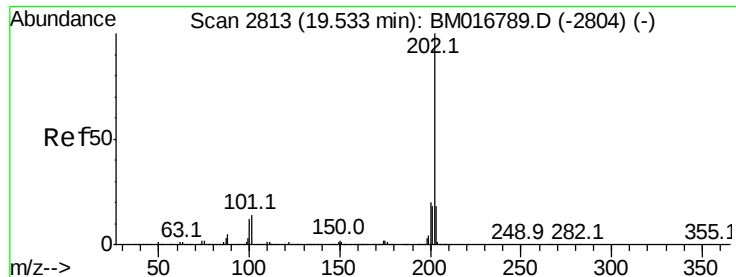
#72
 Anthracene
 Concen: 51.956 ng/ul
 RT: 17.24 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.3	15.4	23.0



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

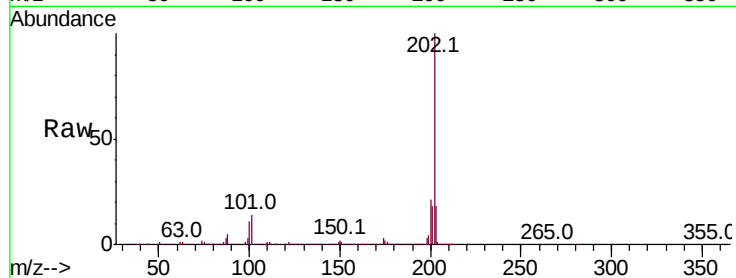




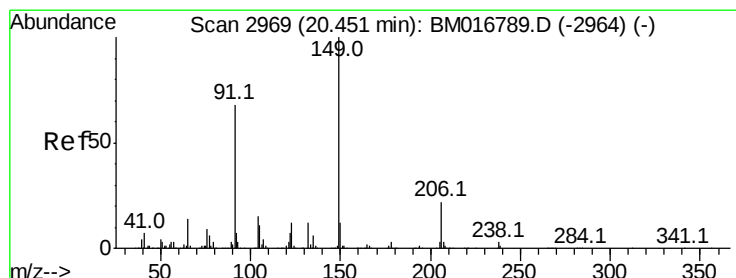
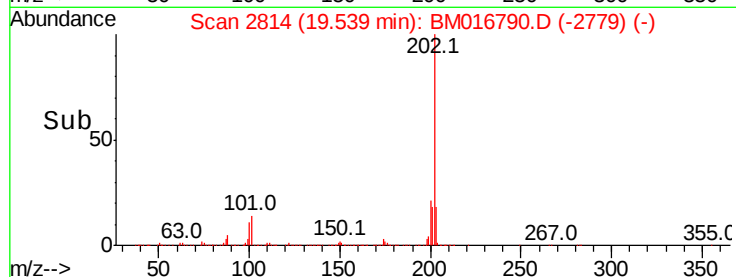
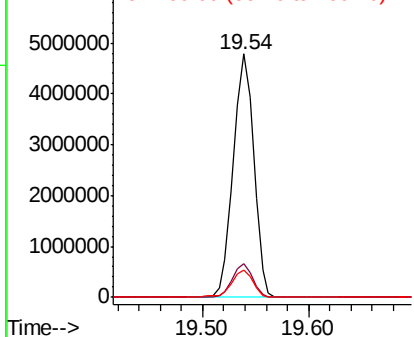
#80
Pvrene
Concen: 69.482 ng/ul
RT: 19.54 min Scan# 2814
Delta R.T. 0.01 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

Instrument :
BNA_M
ClientSampleId :
A3Z92

Tot Ion:202 Resp: 6417536
Ion Ratio Lower Upper
202 100
101 13.9 6.9 10.3#
100 11.3 5.6 8.4#

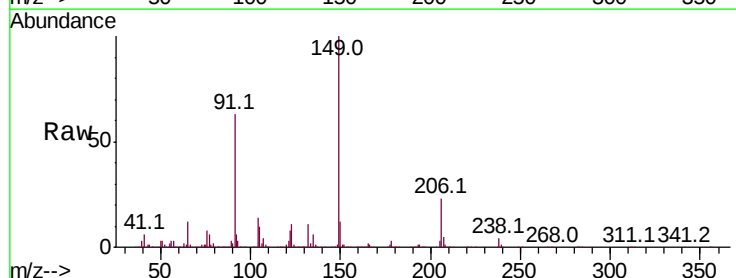


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

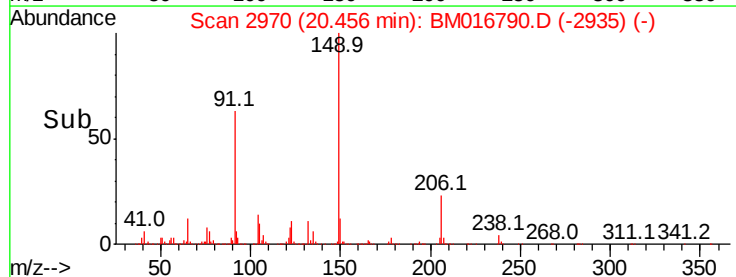
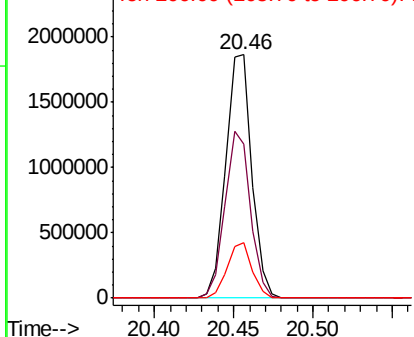


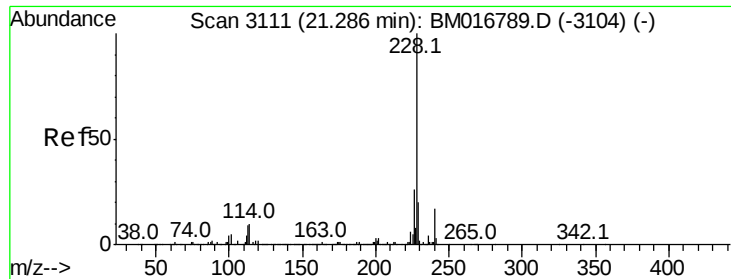
#81
Butylbenzylphthalate
Concen: 61.865 ng/ul
RT: 20.46 min Scan# 2970
Delta R.T. 0.01 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

Tgt Ion:149 Resp: 2113173
Ion Ratio Lower Upper
149 100
91 63.2 53.4 80.0
206 22.9 19.3 28.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E

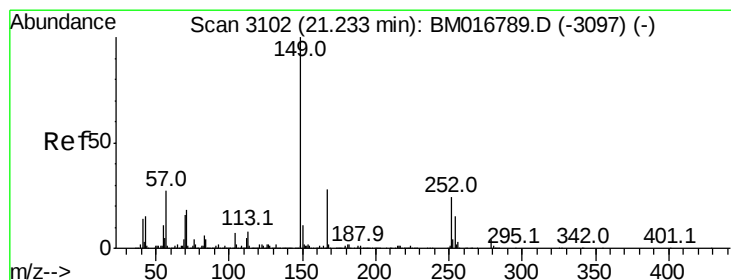
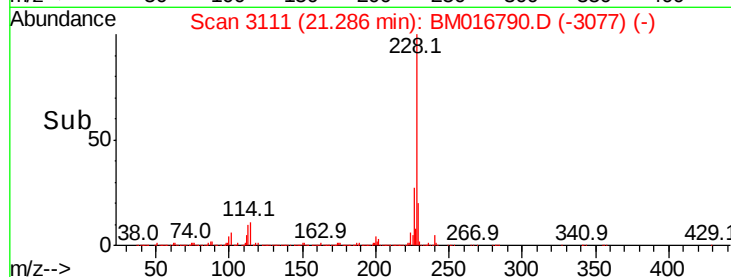
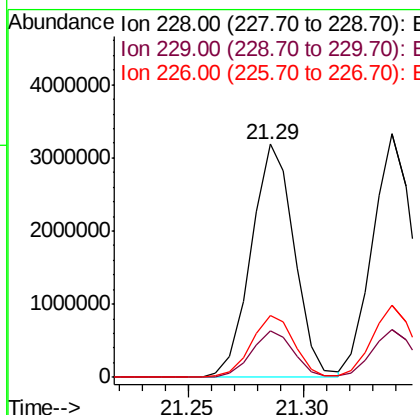
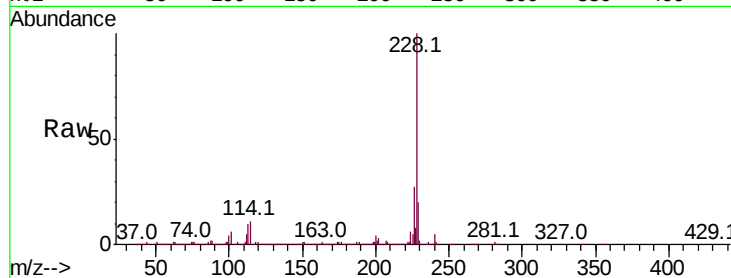




#83
Benzo(a)anthracene
Concen: 44.541 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

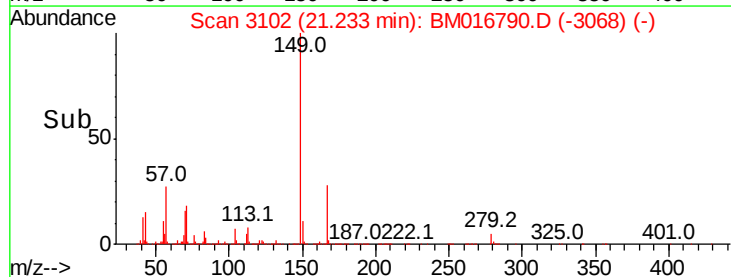
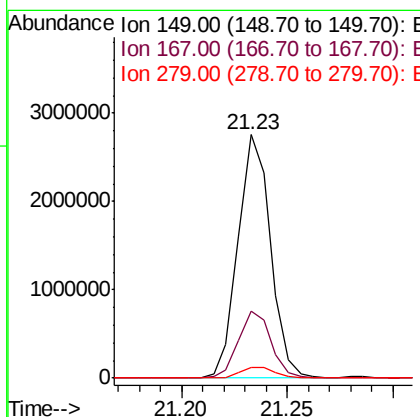
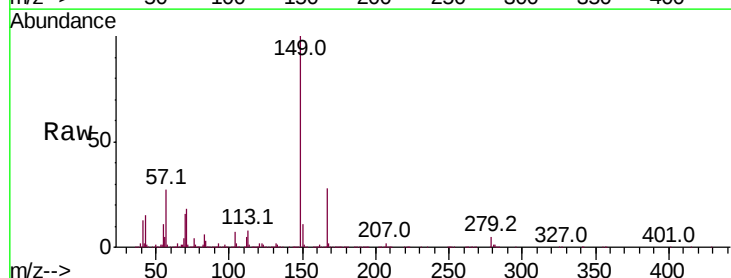
Instrument :
BNA_M
ClientSampleId :
A3Z92

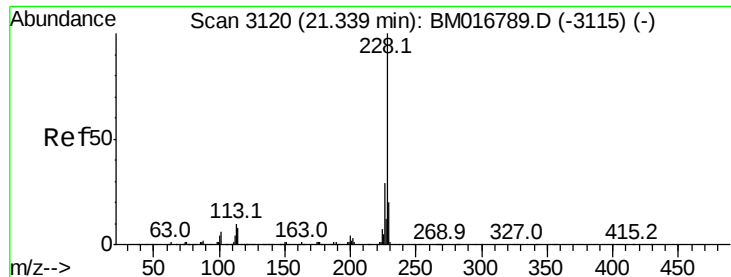
Tot Ion:228 Resp: 4147699
Ion Ratio Lower Upper
228 100
229 19.7 16.0 24.0
226 26.8 21.8 32.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 54.717 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

Tgt Ion:149 Resp: 2937282
Ion Ratio Lower Upper
149 100
167 27.8 23.0 34.6
279 4.6 4.3 6.5



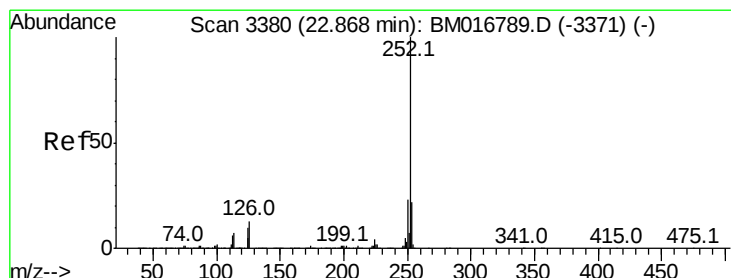
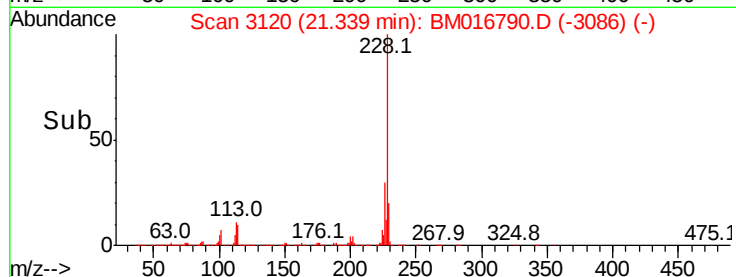
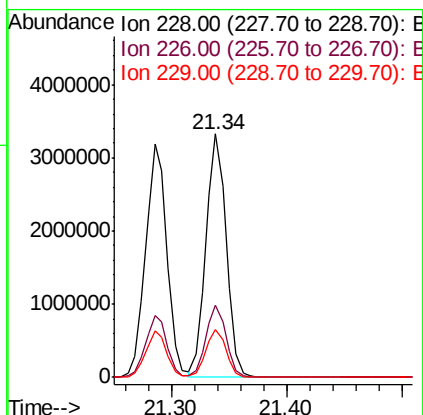
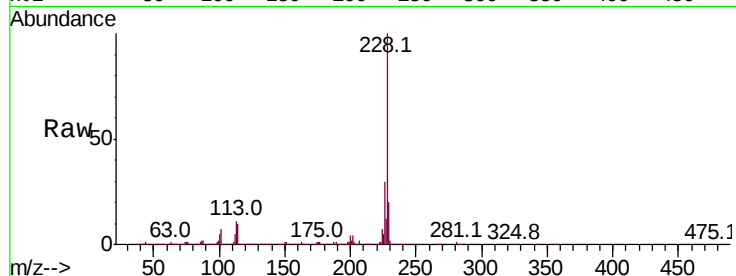


#85
 Chrysene
 Concen: 47.051 ng/ul
 RT: 21.34 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

Instrument :
 BNA_M
 ClientSampleId :
 A3Z92

Tot Ion:228 Resp: 4086050

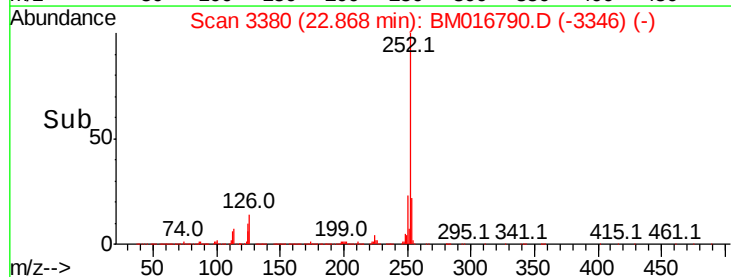
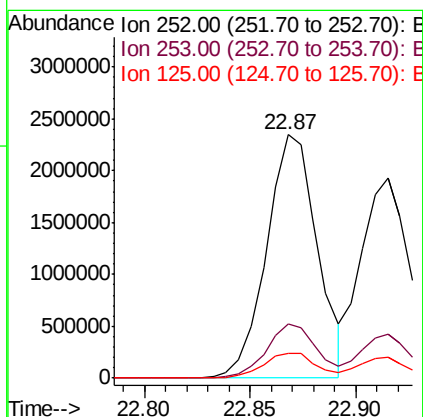
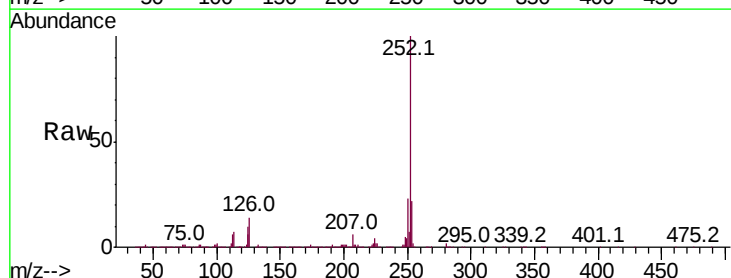
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.1	36.1
229	19.5	16.0	24.0

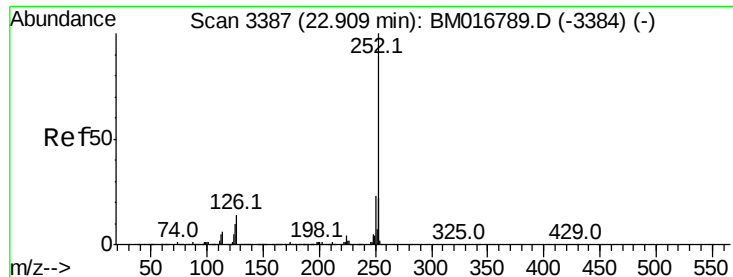


#88
 Benzo(b)fluoranthene
 Concen: 47.015 ng/ul
 RT: 22.87 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: BM016790.D
 Acq: 19 Sep 2018 10:25

Tgt Ion:252 Resp: 3919297

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	10.3	4.9	7.3#





#89

Benzo(k)fluoranthene

Concen: 39.205 ng/ul

RT: 22.91 min Scan# 3388

Delta R.T. 0.01 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

Instrument :

BNA_M

ClientSampleId :

A3Z92

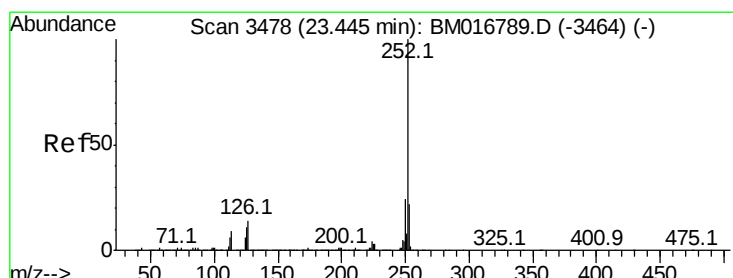
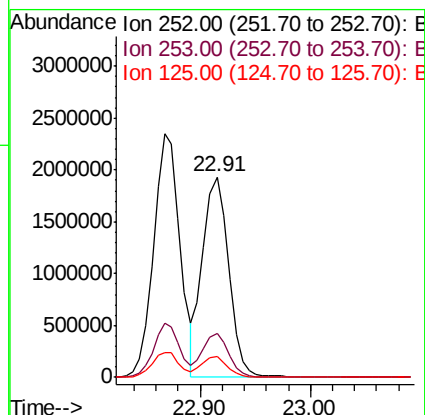
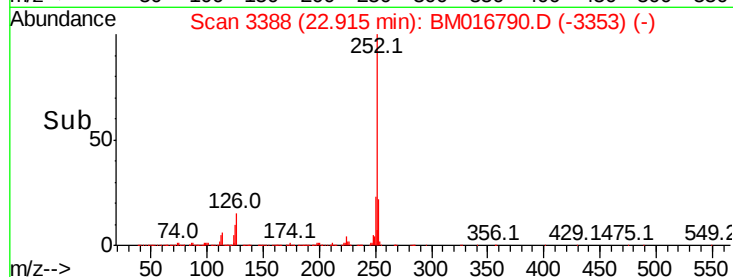
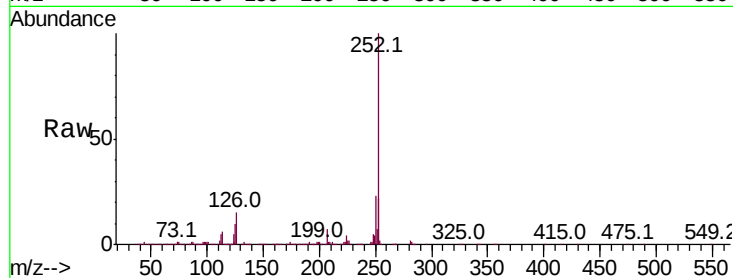
Tot Ion:252 Resp: 3138312

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 10.3 5.4 8.0#



#91

Benzo(a)pyrene

Concen: 44.538 ng/ul

RT: 23.44 min Scan# 3478

Delta R.T. -0.00 min

Lab File: BM016790.D

Acq: 19 Sep 2018 10:25

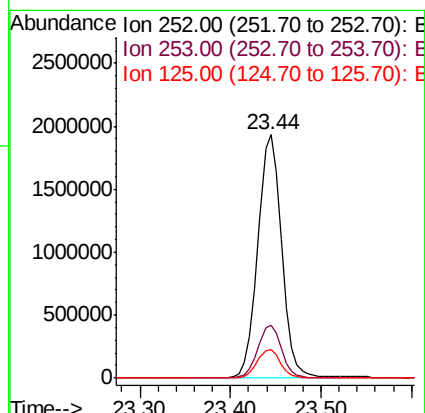
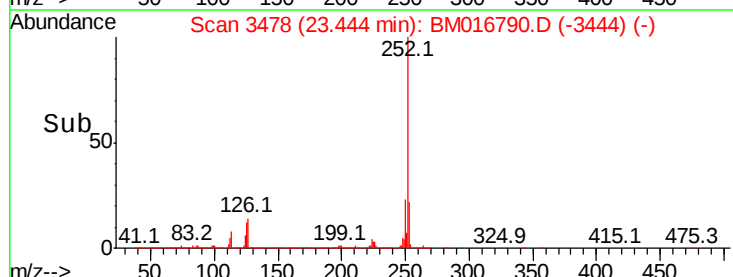
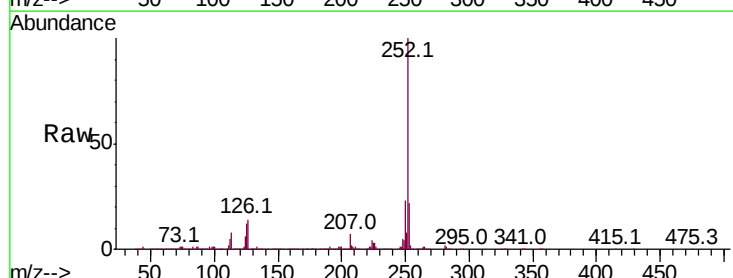
Tgt Ion:252 Resp: 3539062

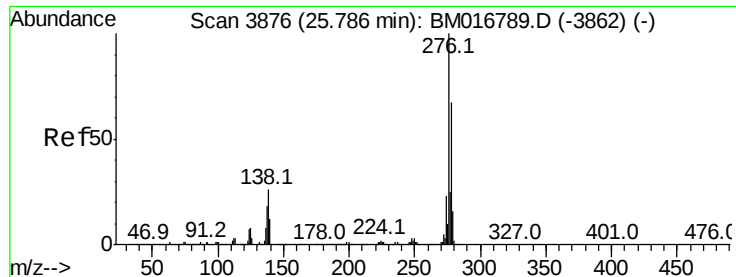
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 11.9 5.8 8.6#



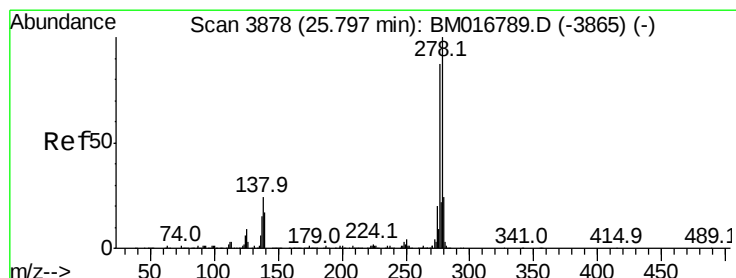
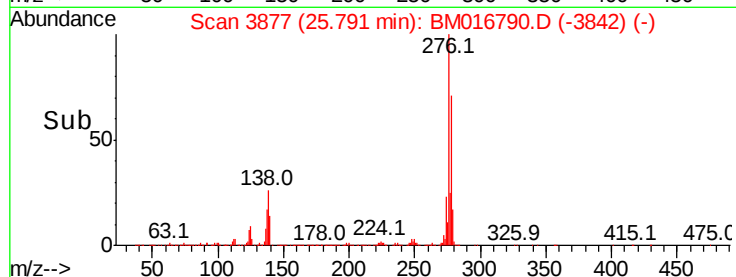
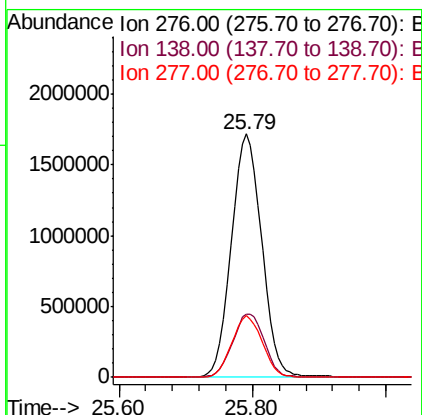
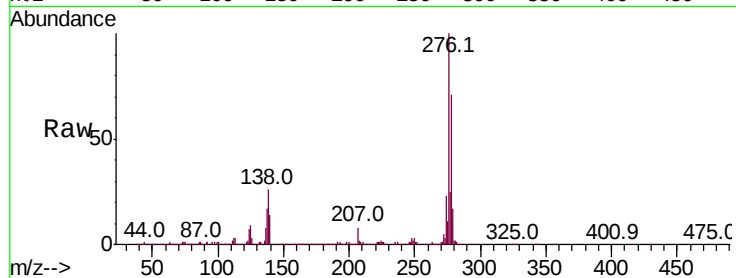


#92

Indeno(1,2,3-cd)pyrene
Concen: 57.464 ng/ul
RT: 25.79 min Scan# 3877
Delta R.T. 0.01 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

Instrument :
BNA_M
ClientSampleId :
A3Z92

Tot Ion:276 Resp: 5447004
Ion Ratio Lower Upper
276 100
138 26.0 10.9 16.3#
277 25.4 18.9 28.3



#93

Dibenzo(a,h)anthracene
Concen: 63.946 ng/ul
RT: 25.81 min Scan# 3880
Delta R.T. 0.01 min
Lab File: BM016790.D
Acq: 19 Sep 2018 10:25

Tgt Ion:278 Resp: 5070481
Ion Ratio Lower Upper
278 100
139 16.3 9.0 13.4#
279 24.1 19.1 28.7

