

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112018\
 Data File : BM017701.D
 Acq On : 20 Nov 2018 12:15
 Operator : MJ/SJ
 Sample : J6002-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 20 13:26:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 20 01:04:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	185293	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	836946	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	503580	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	1172115	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1402475	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1385588	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	17424	4.30	ng/uL	0.00
5) Phenol-d5	6.78	99	466788	27.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	274681	26.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	360056	27.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	349529	25.28	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	178354	27.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	205983	27.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	388491	27.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	445523	37.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	1419669	32.49	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	1635909	30.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	214914	27.05	ng/ul	0.00
57) Fluorene-d10	15.25	176	1230433	32.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	206719	24.67	ng/ul	0.00
70) Anthracene-d10	17.10	188	1998627	34.25	ng/ul	0.00
78) Pyrene-d10	19.40	212	2322345	34.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.25	264	2624411	34.92	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.81	94	867439	51.353	ng/ul 97
20) Nitrobenzene	8.79	77	655132	40.602	ng/ul 99
21) Isophorone	9.31	82	1634306	54.446	ng/ul 99
28) Naphthalene	10.42	128	2518032	57.744	ng/ul 99
30) 4-Chloroaniline	10.42	127	326667	26.608	ng/ul# 1
34) 2-Methylnaphthalene	12.04	142	1447572	44.469	ng/ul 100
38) 2,4,6-Trichlorophenol	12.66	196	711174	65.123	ng/ul 98
39) 2,4,5-Trichlorophenol	12.66	196	569309	48.745	ng/ul 100
40) 1,1'-Biophenyl	13.07	154	1628177	39.277	ng/ul 100
44) Dimethylphthalate	13.71	163	152418	3.601	ng/ul 99
47) Acenaphthylene	13.96	152	1346908	27.273	ng/ul 100
53) Dibenzofuran	14.65	168	2611601	51.852	ng/ul 99
56) Diethylphthalate	15.09	149	1828679	41.933	ng/ul 99
66) Hexachlorobenzene	16.30	284	542983	36.472	ng/ul 95
67) Atrazine	16.65	200	99564	7.438	ng/ul# 36
68) Pentachlorophenol	16.65	266	597643	64.526	ng/ul 99
71) Anthracene	17.13	178	3309357	48.277	ng/ul 100
74) Carbazole	17.42	167	3555114	58.858	ng/ul 100
76) Fluoranthene	19.07	202	3738497	47.418	ng/ul 99
82) Benzo(a)anthracene	21.19	228	3220701	37.024	ng/ul 100
83) Bis(2-ethylhexyl)phthalate	21.13	149	2531559	46.961	ng/ul 100
84) Chrysene	21.19	228	3220701	39.589	ng/ul 96
86) Di-n-octyl phthalate	21.99	149	4729013	48.729	ng/ul 100

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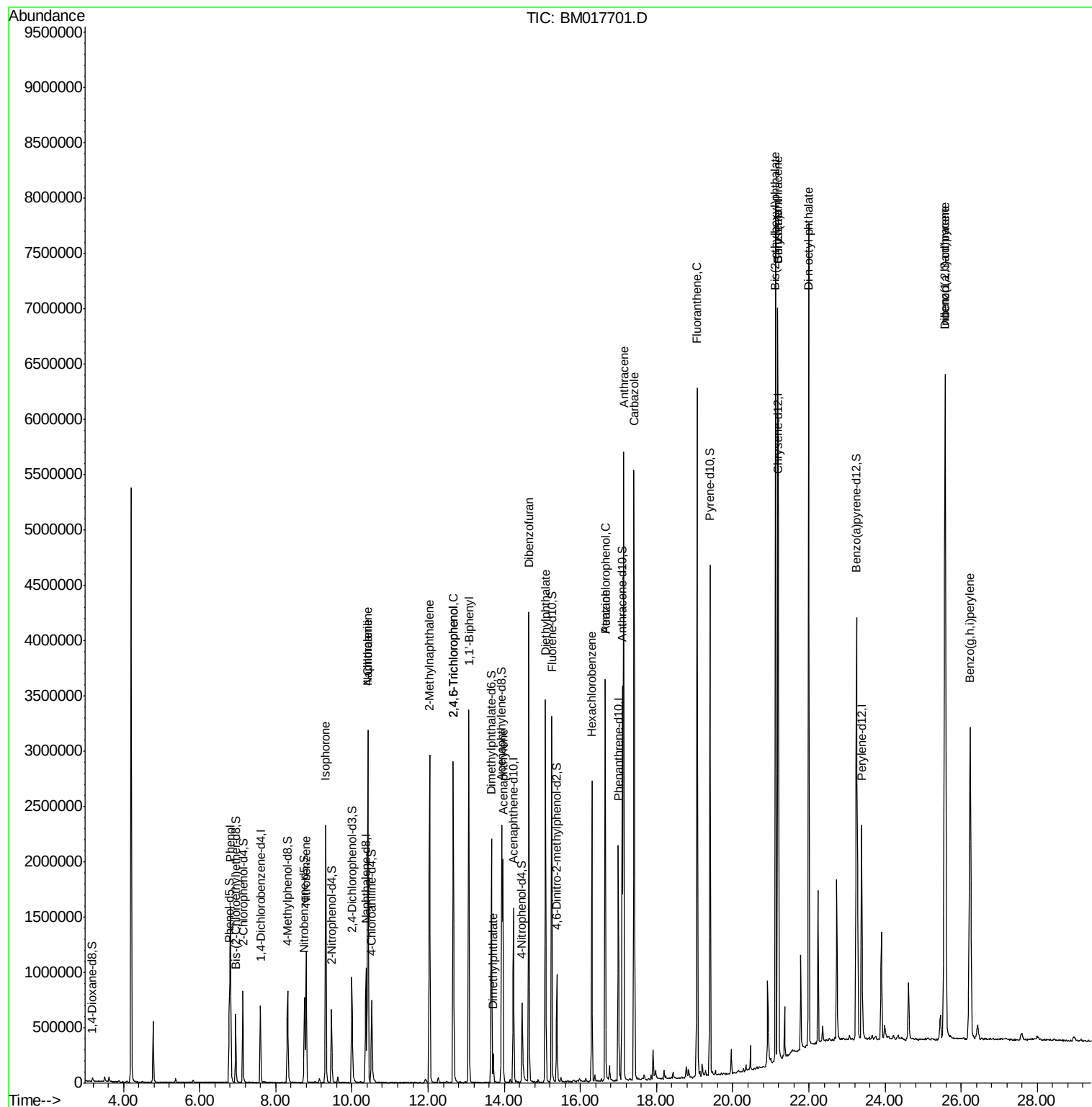
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.57	276	3964459	45.810	ng/ul	98
92) Dibenzo(a,h)anthracene	25.59	278	3533322	48.357	ng/ul	99
93) Benzo(g,h,i)perylene	26.23	276	3409059	48.740	ng/ul	100

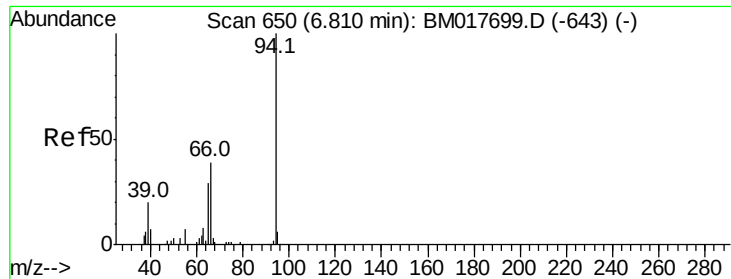
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
ClientSampleId :

Quant Time: Nov 20 13:26:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 20 01:04:58 2018
Response via : Initial Calibration





#6

Phenol

Concen: 51.353 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

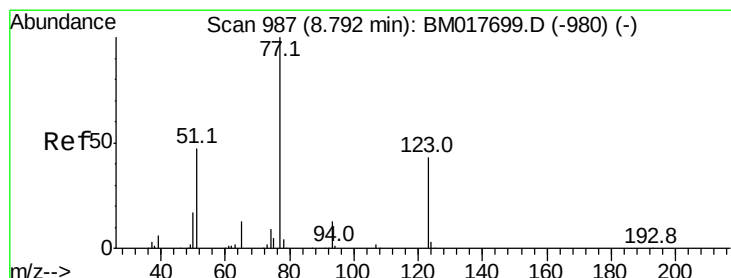
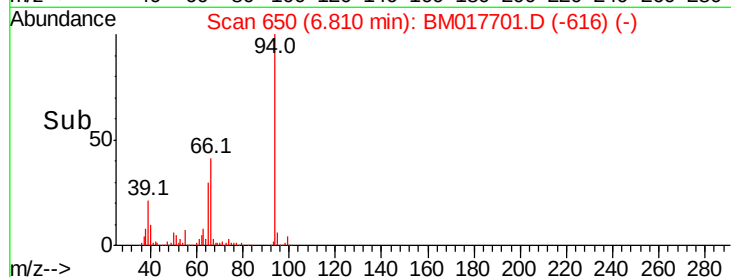
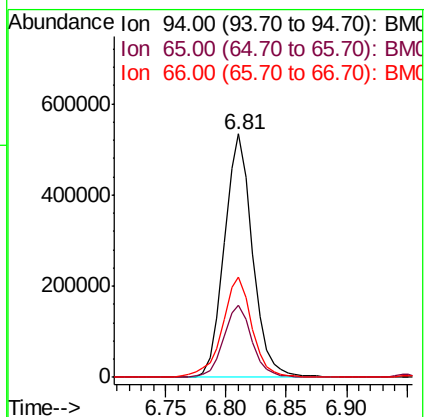
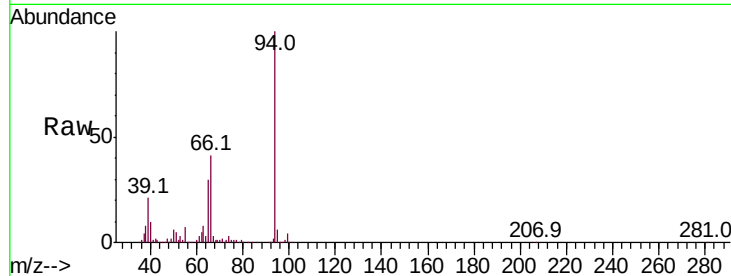
Tot Ion: 94 Resp: 867439

Ion Ratio Lower Upper

94 100

65 29.9 24.7 37.1

66 41.1 34.6 51.8



#20

Nitrobenzene

Concen: 40.602 ng/ul

RT: 8.79 min Scan# 987

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

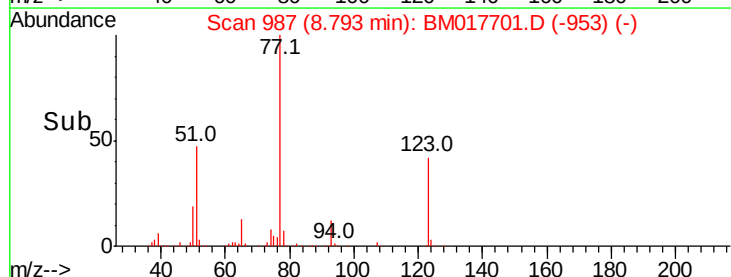
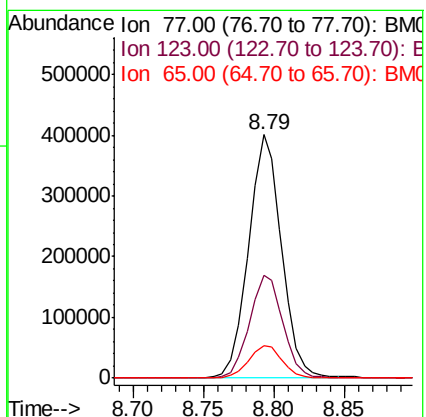
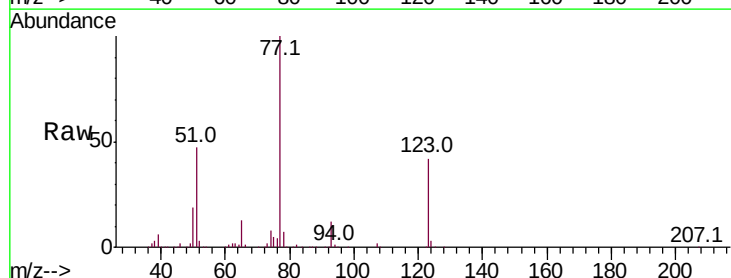
Tgt Ion: 77 Resp: 655132

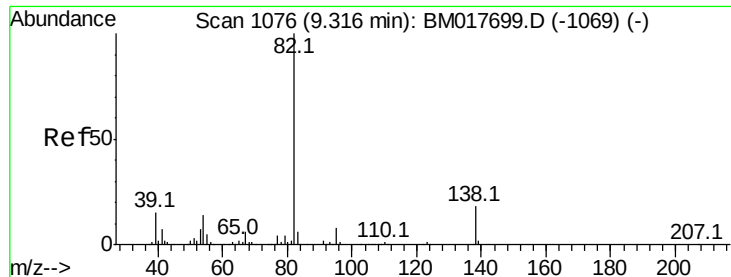
Ion Ratio Lower Upper

77 100

123 42.3 33.1 49.7

65 13.3 11.0 16.6





#21

Isophorone

Concen: 54.446 ng/ul

RT: 9.31 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

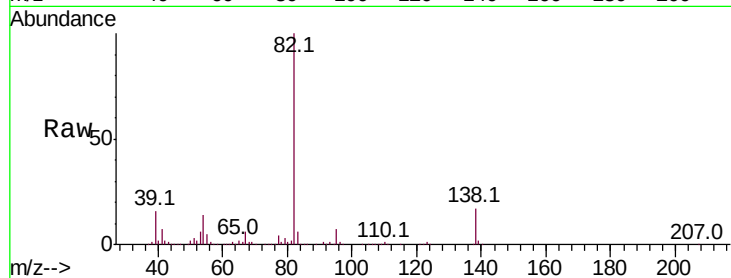
Tot Ion: 82 Resp: 1634306

Ion Ratio Lower Upper

82 100

95 7.5 6.1 9.1

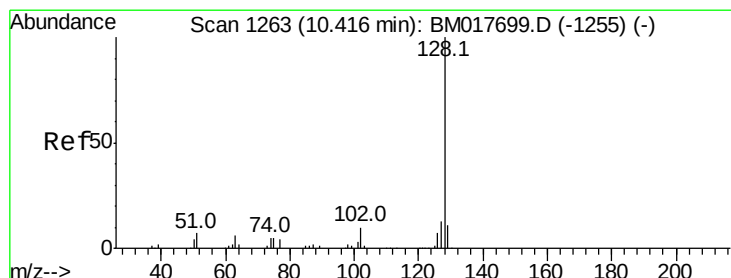
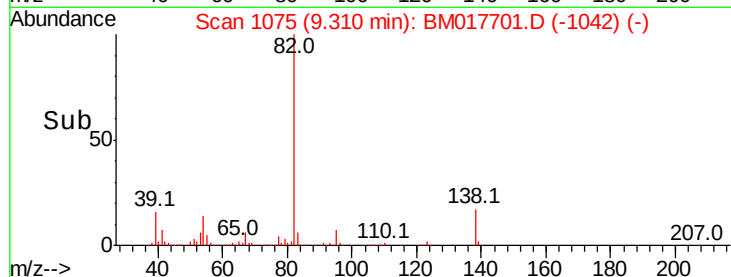
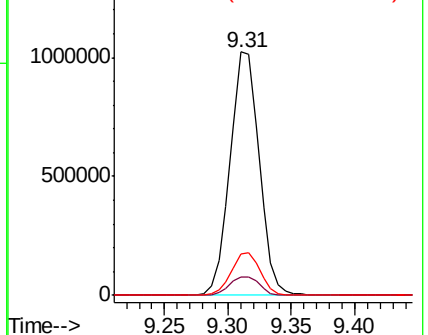
138 17.1 14.2 21.2



Abundance Ion 82.00 (81.70 to 82.70): BM017699.D (-1069) (-)

Ion 95.00 (94.70 to 95.70): BM017699.D (-1069) (-)

Ion 138.00 (137.70 to 138.70): BM017699.D (-1069) (-)



#28

Naphthalene

Concen: 57.744 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

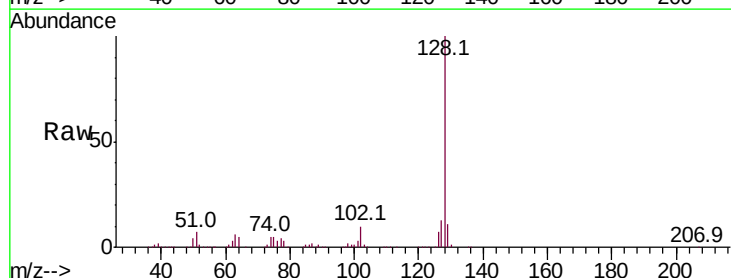
Tgt Ion:128 Resp: 2518032

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

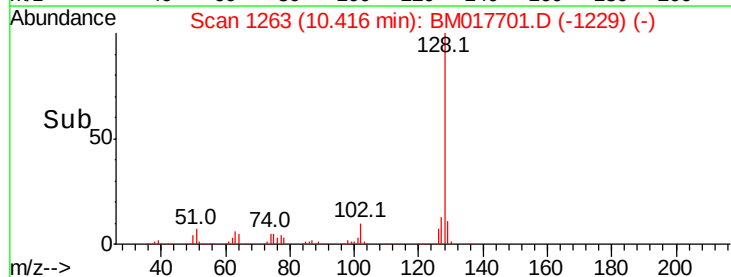
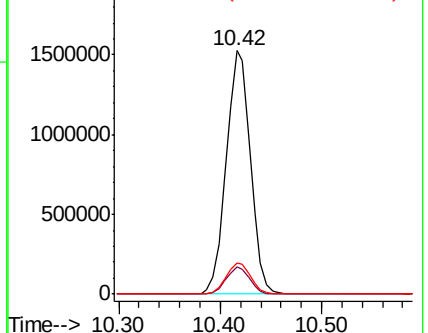
127 13.0 10.8 16.2

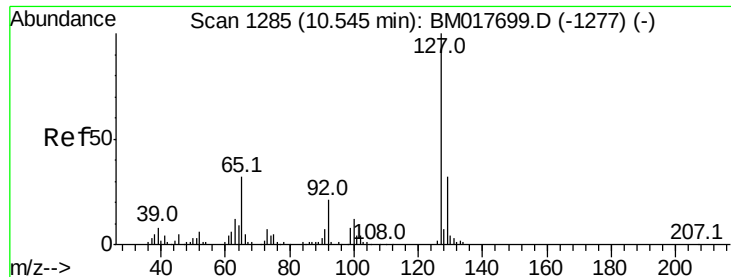


Abundance Ion 128.00 (127.70 to 128.70): BM017699.D (-1255) (-)

Ion 129.00 (128.70 to 129.70): BM017699.D (-1255) (-)

Ion 127.00 (126.70 to 127.70): BM017699.D (-1255) (-)

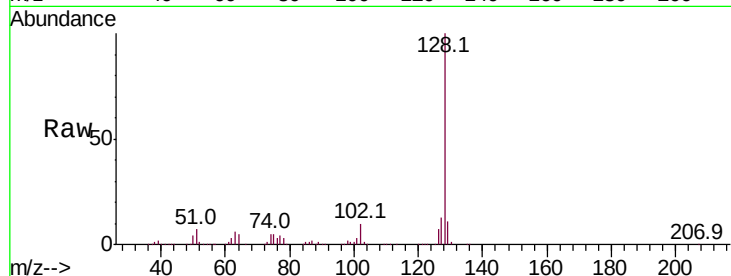




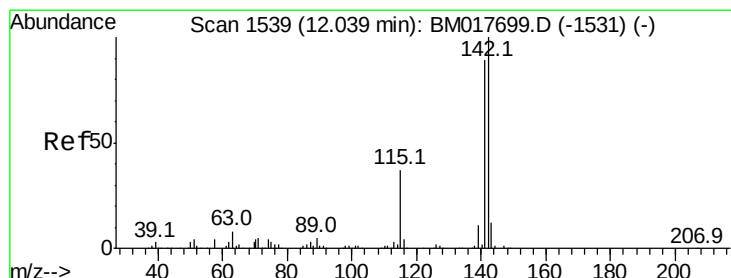
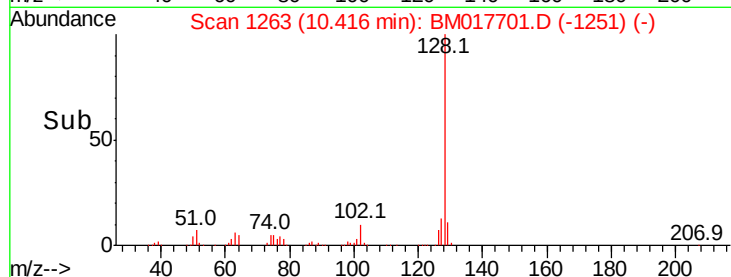
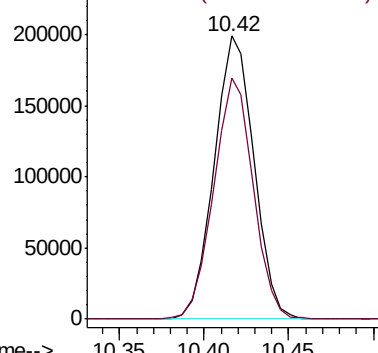
#30
4-Chloroaniline
Concen: 26.608 ng/ul
RT: 10.42 min Scan# 1263
Delta R.T. -0.13 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Instrument :
BNA_M
ClientSampleId :

Tot Ion:127 Resp: 326667
Ion Ratio Lower Upper
127 100
129 85.1 24.6 37.0#

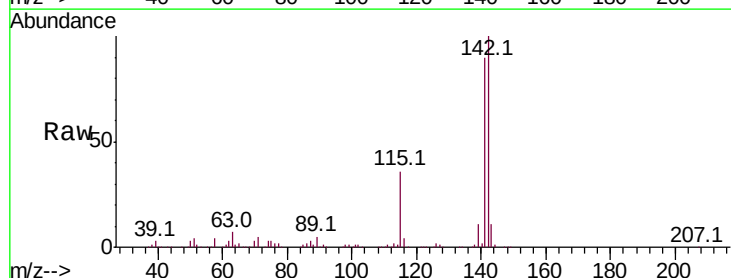


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

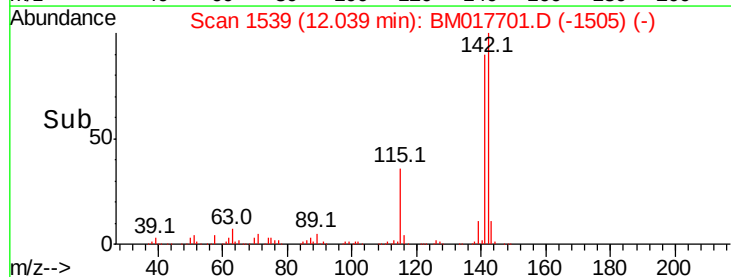
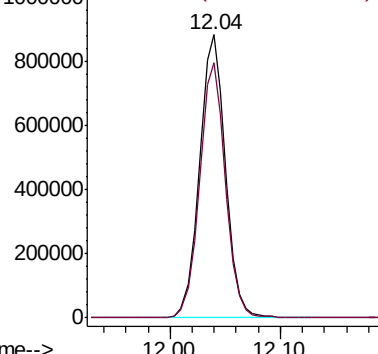


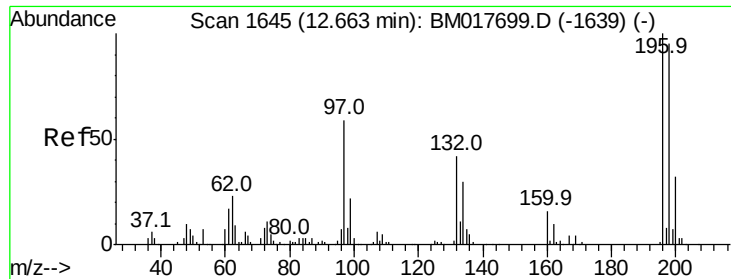
#34
2-Methylnaphthalene
Concen: 44.469 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. 0.00 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Tgt Ion:142 Resp: 1447572
Ion Ratio Lower Upper
142 100
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

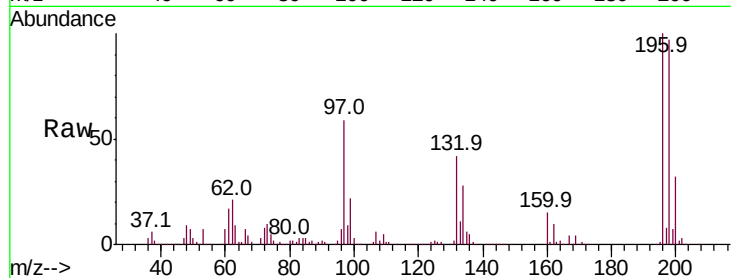




#38
 2,4,6-Trichlorophenol
 Concen: 65.123 ng/ul
 RT: 12.66 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.9	112.3
200	31.6	25.4	38.2

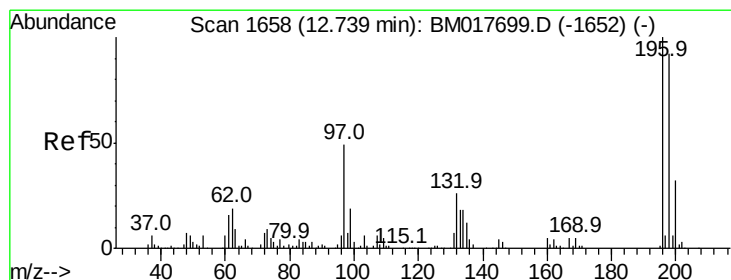
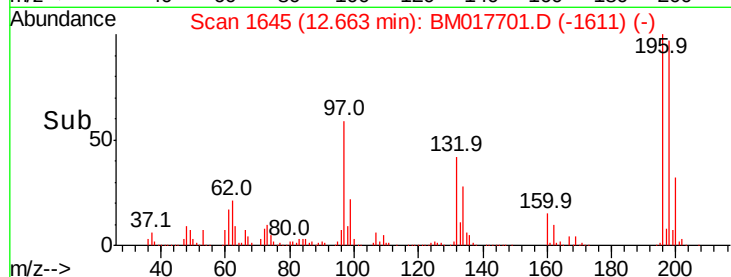
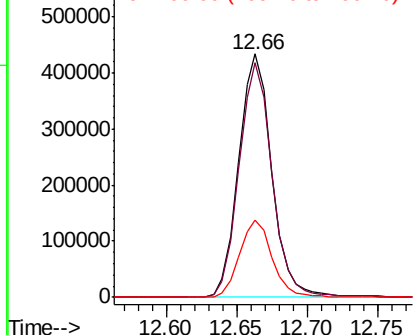


Abundance

Ion 196.00 (195.70 to 196.70): E

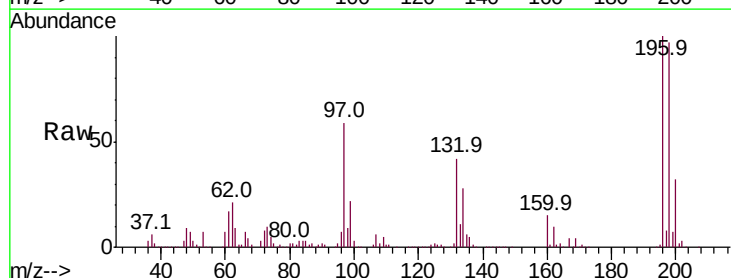
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#39
 2,4,5-Trichlorophenol
 Concen: 48.745 ng/ul
 RT: 12.66 min Scan# 1645
 Delta R.T. -0.08 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.2	115.8
200	31.6	25.8	38.8

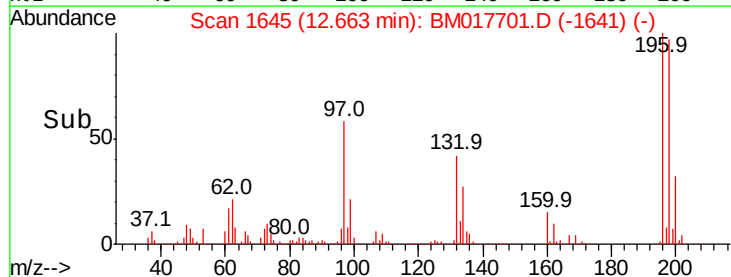
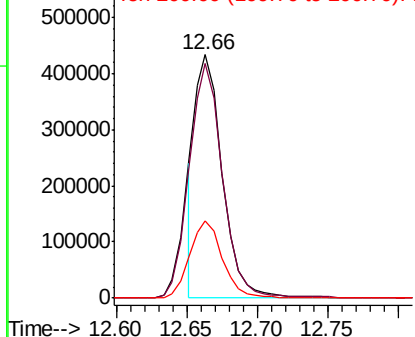


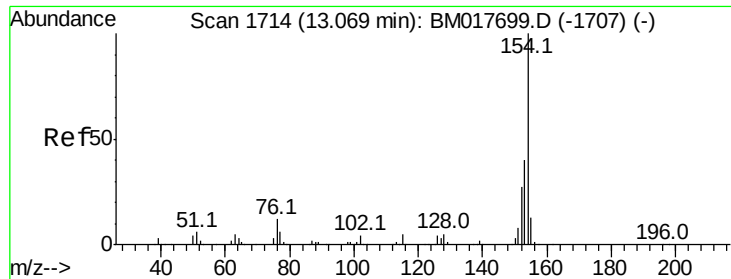
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

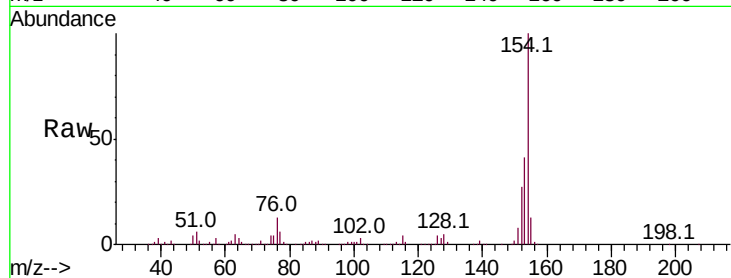




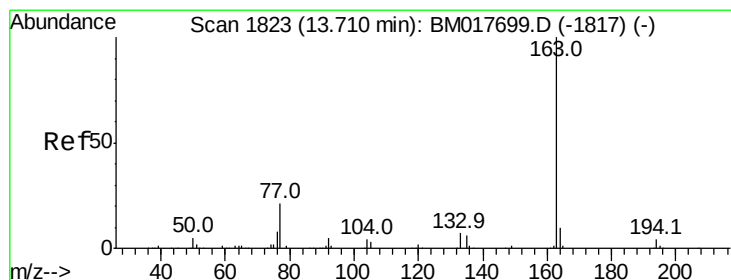
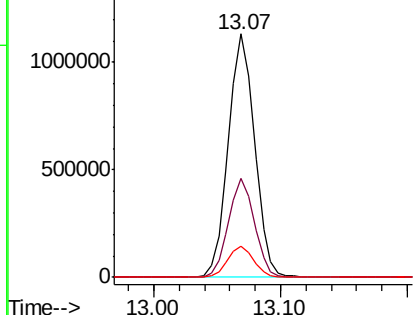
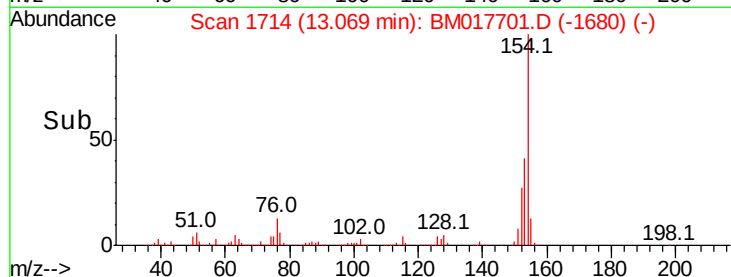
#40
1,1'-Biphenyl
Concen: 39.277 ng/ul
RT: 13.07 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Instrument :
BNA_M
ClientSampled :

Tot Ion:154 Resp: 1628177
Ion Ratio Lower Upper
154 100
153 40.6 32.5 48.7
76 12.6 10.6 15.8

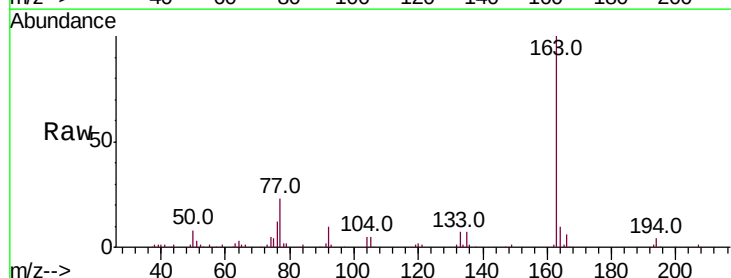


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

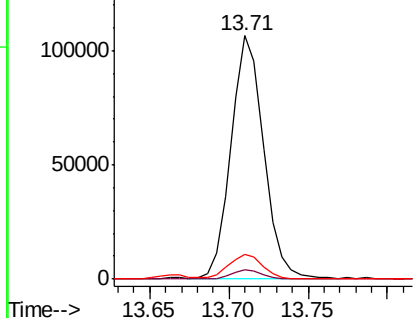
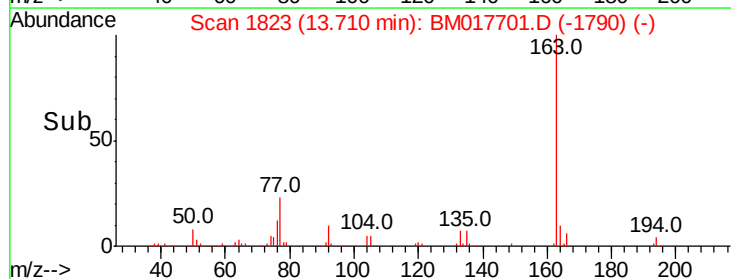


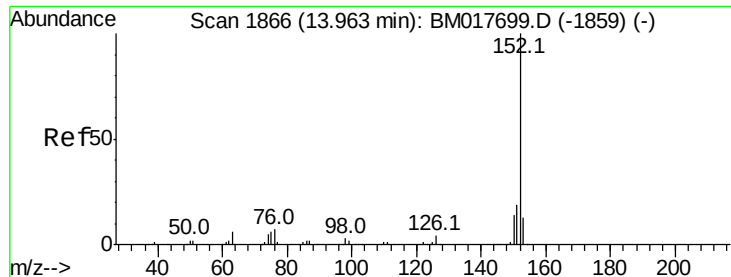
#44
Dimethylphthalate
Concen: 3.601 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Tgt Ion:163 Resp: 152418
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 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





#47

Acenaphthylene

Concen: 27.273 ng/ul

RT: 13.96 min Scan# 1866

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

Instrument :

BNA_M

ClientSampleId :

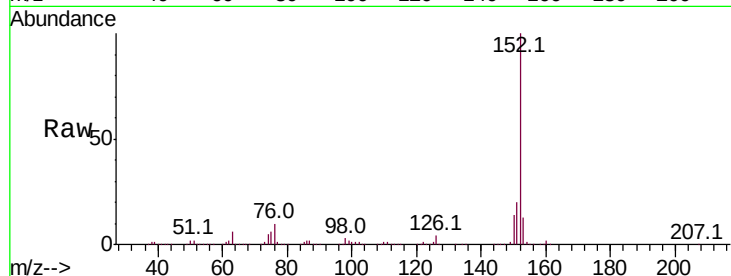
Tot Ion:152 Resp: 1346908

Ion Ratio Lower Upper

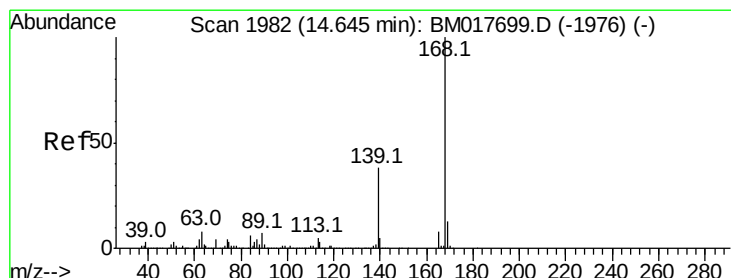
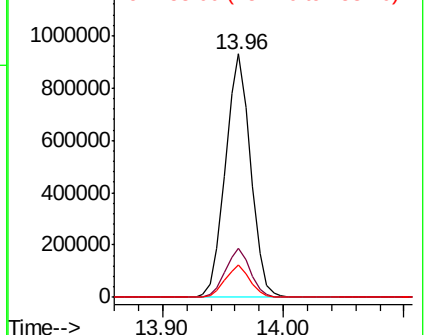
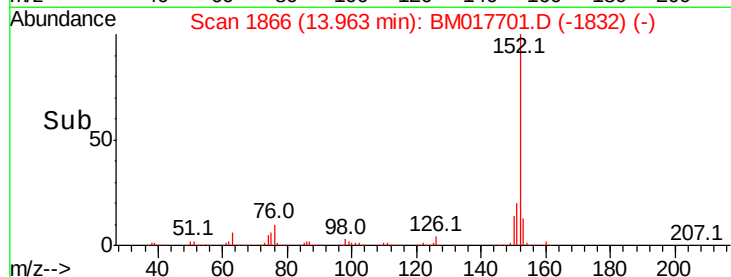
152 100

151 20.0 16.0 24.0

153 13.3 10.4 15.6



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



#53

Dibenzofuran

Concen: 51.852 ng/ul

RT: 14.65 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BM017701.D

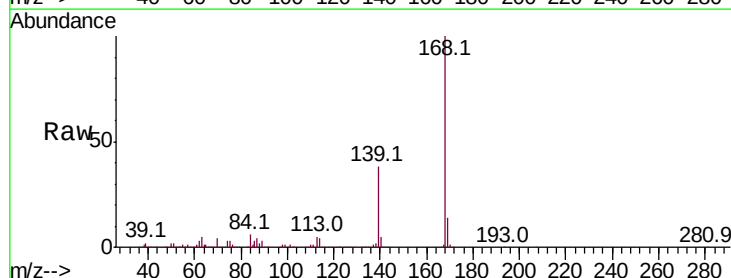
Acq: 20 Nov 2018 12:15

Tgt Ion:168 Resp: 2611601

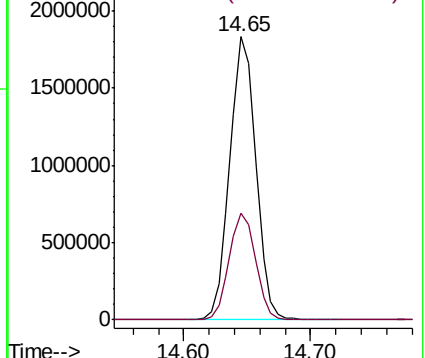
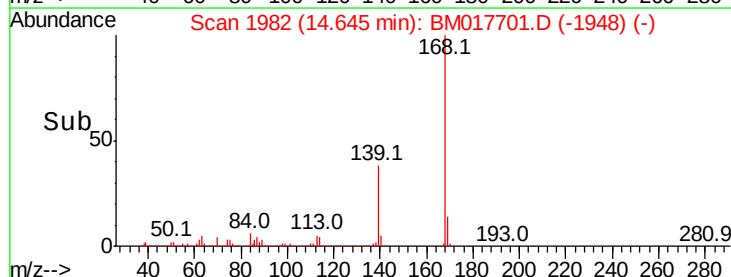
Ion Ratio Lower Upper

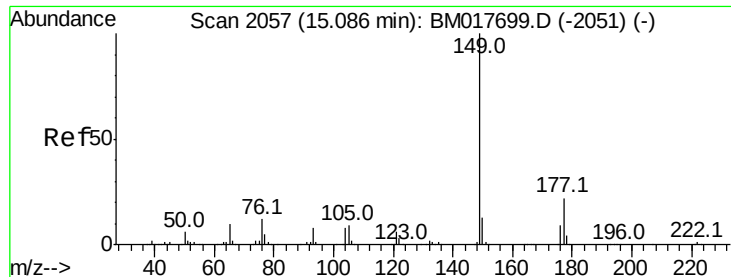
168 100

139 37.7 30.6 46.0



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

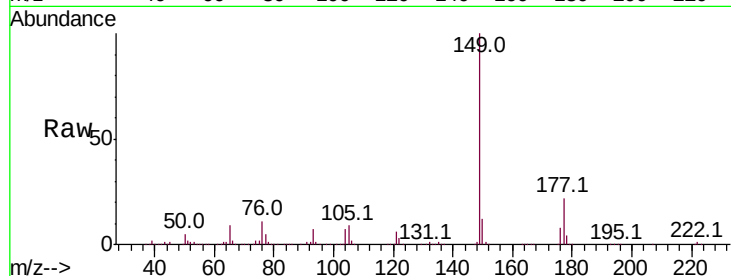




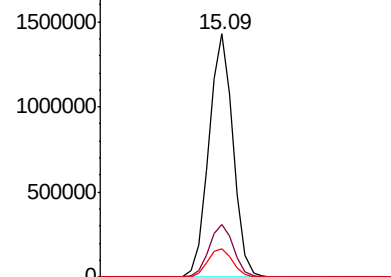
#56
Diethylphthalate
Concen: 41.933 ng/ul
RT: 15.09 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Instrument :
BNA_M
ClientSampleId :

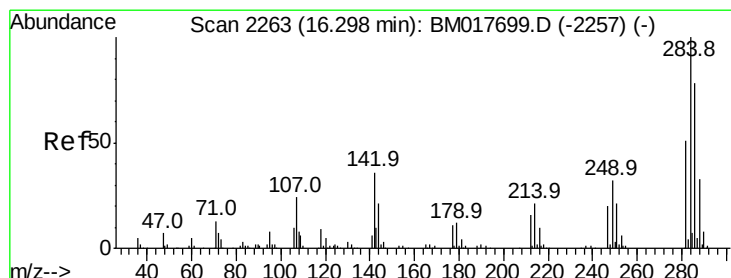
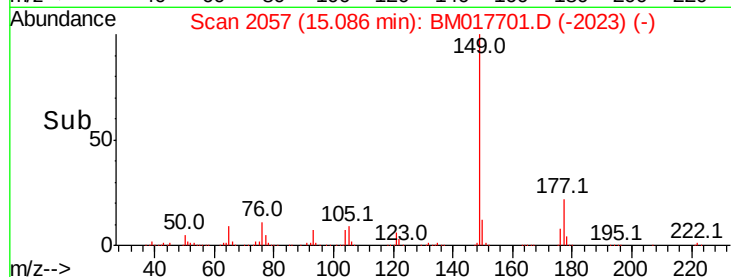
Tot Ion:149 Resp: 1828679
Ion Ratio Lower Upper
149 100
177 21.9 17.0 25.6
150 12.0 10.0 15.0



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

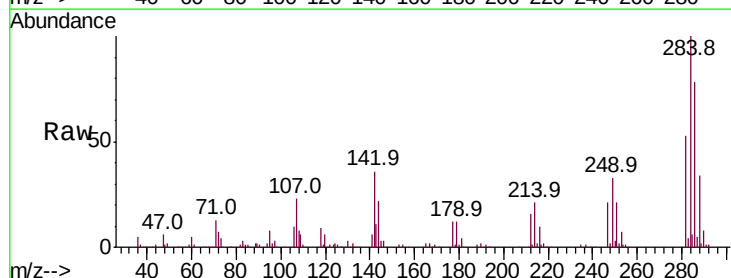


Time--> 15.00 15.10

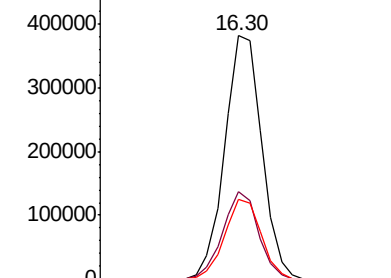


#66
Hexachlorobenzene
Concen: 36.472 ng/ul
RT: 16.30 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

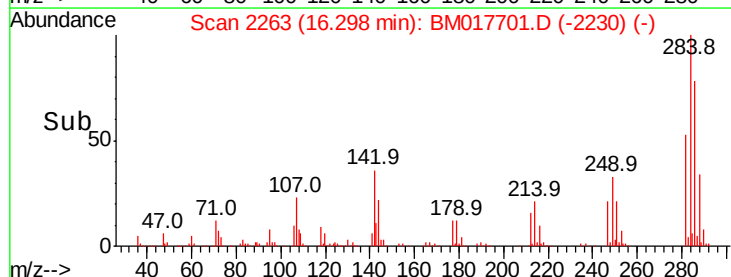
Tgt Ion:284 Resp: 542983
Ion Ratio Lower Upper
284 100
142 35.8 26.2 39.4
249 32.9 24.0 36.0

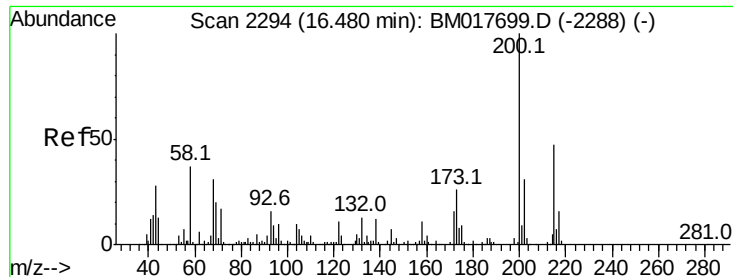


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time--> 16.25 16.30 16.35

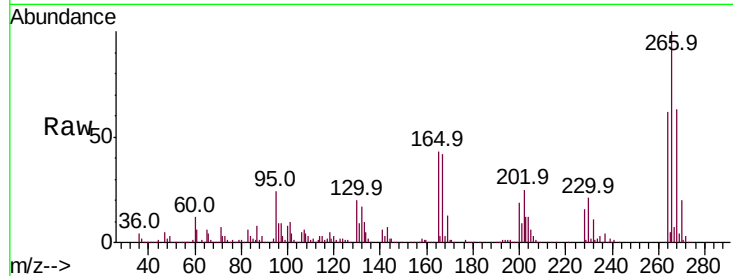




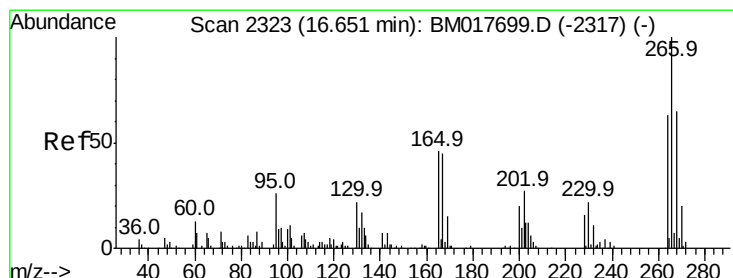
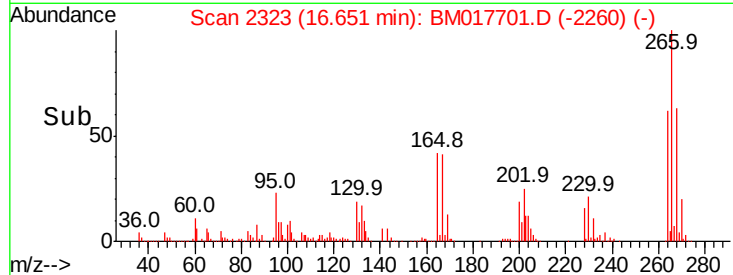
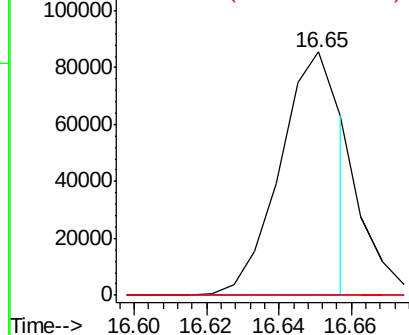
#67
 Atrazine
 Concen: 7.438 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. 0.17 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	21.0	31.6#
215	0.0	38.2	57.2#

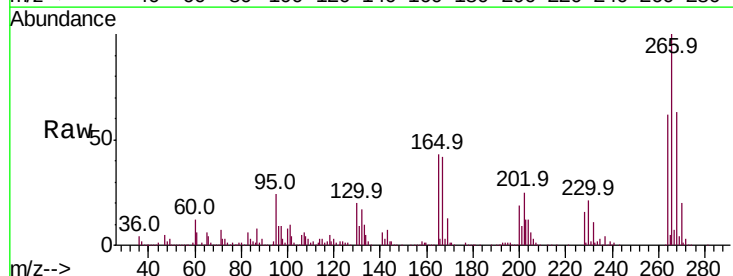


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

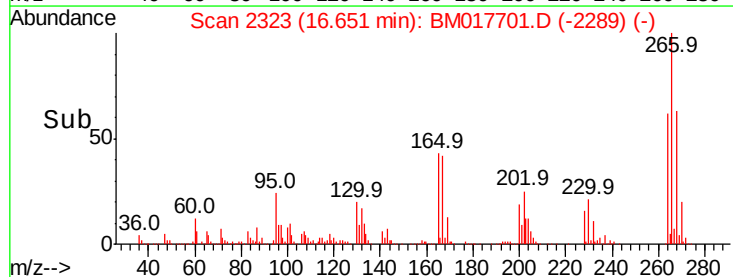
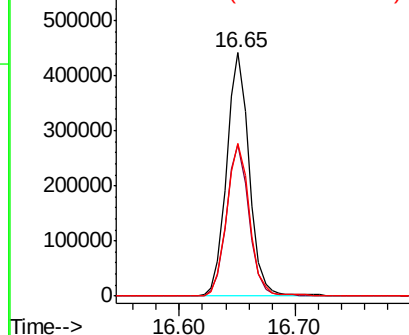


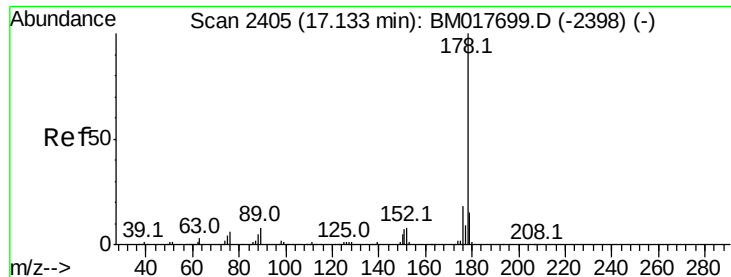
#68
 Pentachlorophenol
 Concen: 64.526 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.2	75.2
268	62.6	49.8	74.8



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



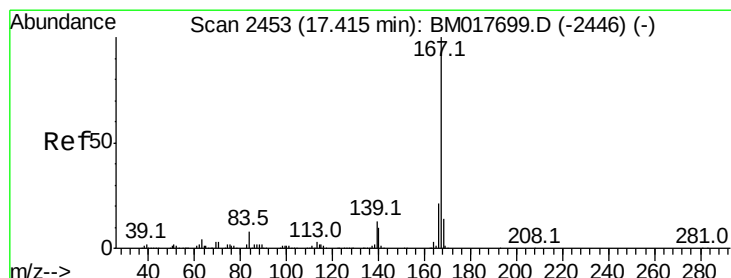
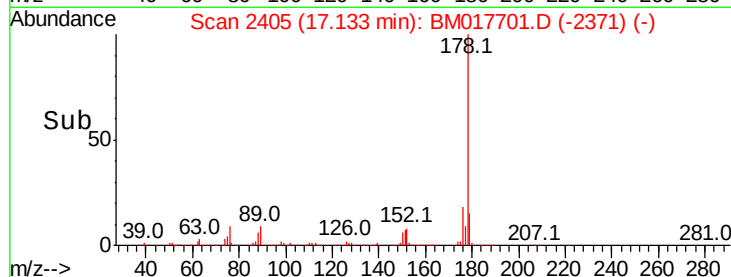
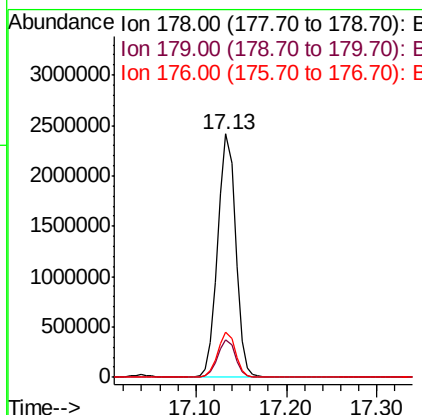
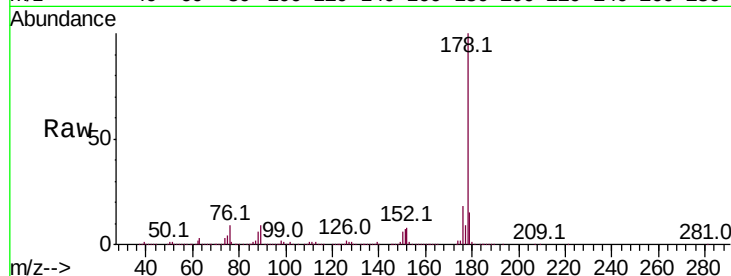


#71
 Anthracene
 Concen: 48.277 ng/ul
 RT: 17.13 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 3309357

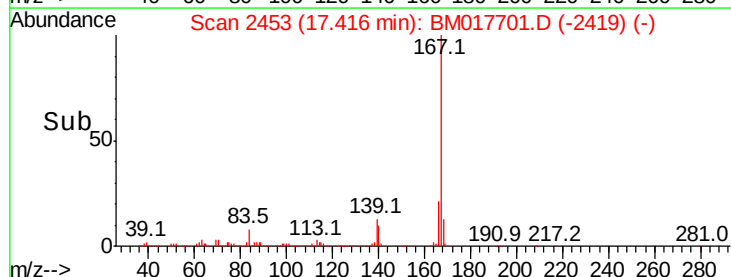
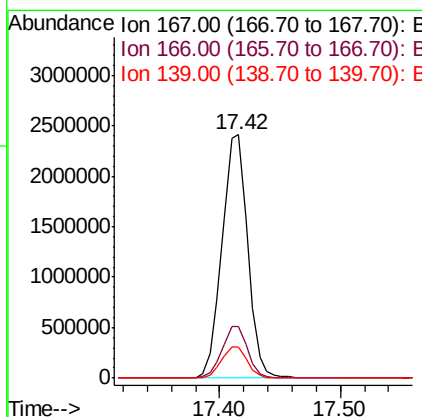
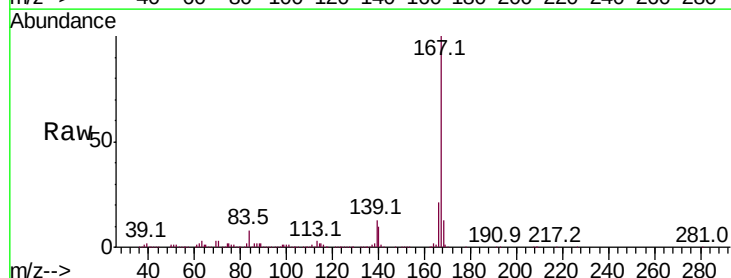
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.4	14.8	22.2

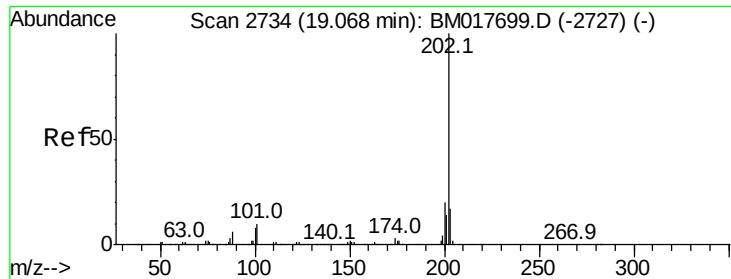


#74
 Carbazole
 Concen: 58.858 ng/ul
 RT: 17.42 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Tgt Ion:167 Resp: 3555114

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.9	10.5	15.7



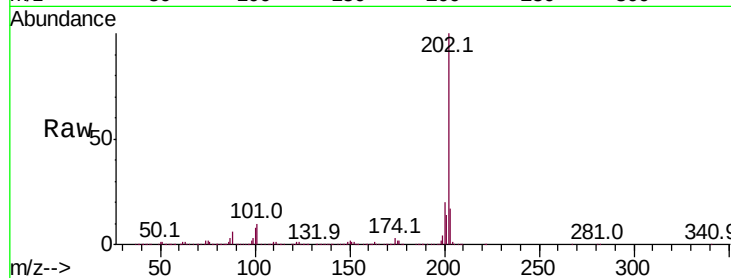


#76
 Fluoranthene
 Concen: 47.418 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

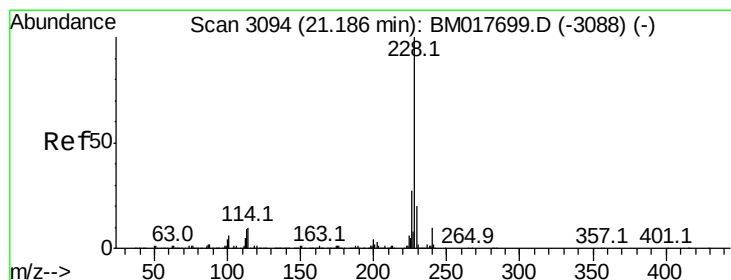
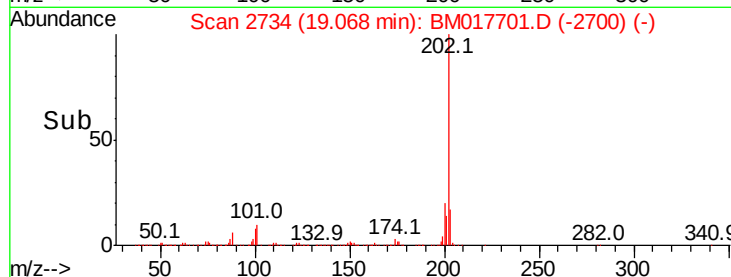
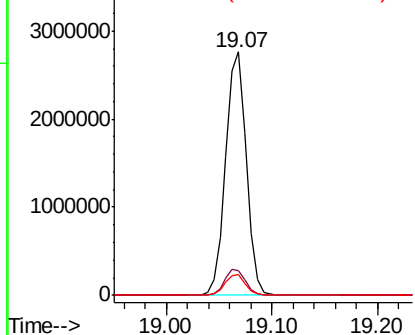
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 3738497

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.4	12.6
100	8.4	6.6	9.8



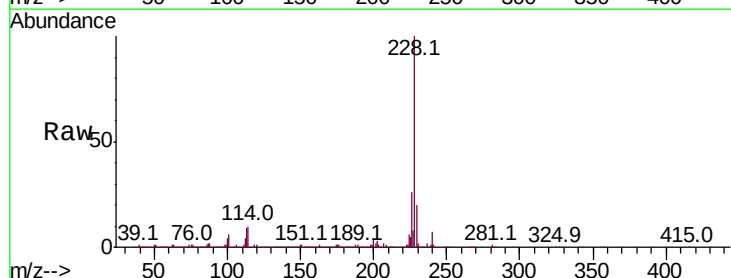
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



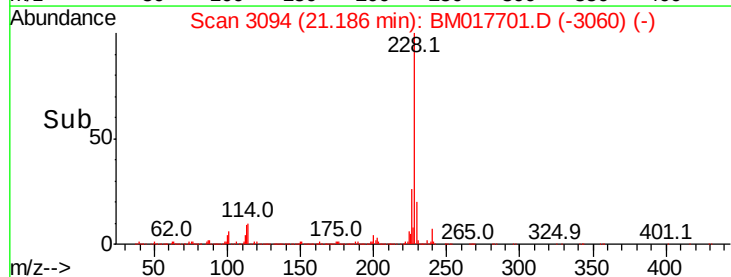
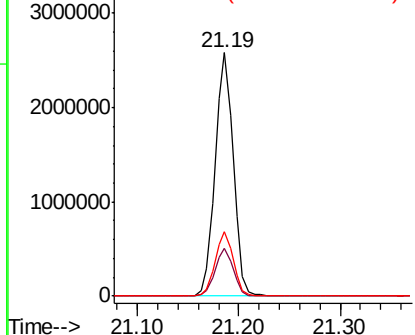
#82
 Benzo(a)anthracene
 Concen: 37.024 ng/ul
 RT: 21.19 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

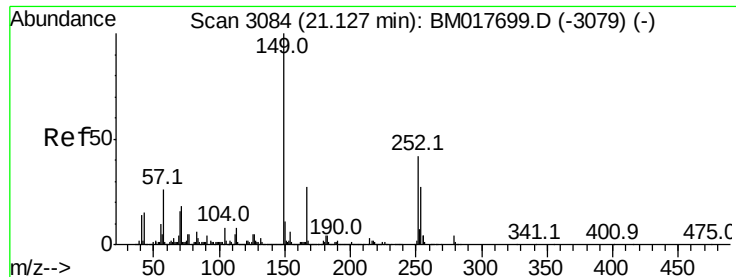
Tgt Ion:228 Resp: 3220701

Ion	Ratio	Lower	Upper
228	100		
229	19.7	16.0	24.0
226	26.3	21.0	31.6



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.961 ng/ul

RT: 21.13 min Scan# 3084

Delta R.T. 0.00 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

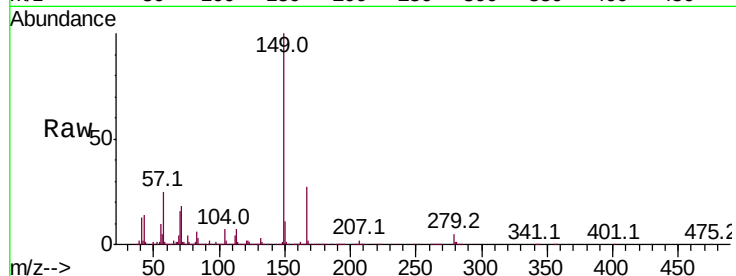
Instrument :

BNA_M

ClientSampled :

Tot Ion:149 Resp: 2531559

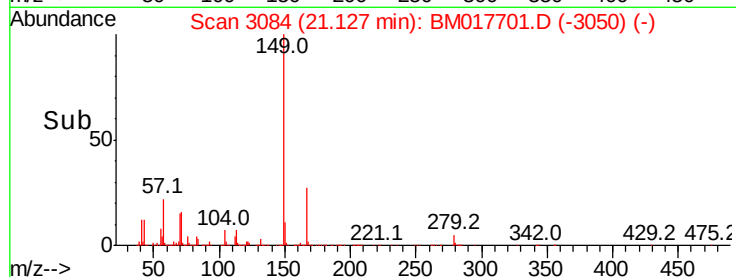
Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.7	3.6	5.4



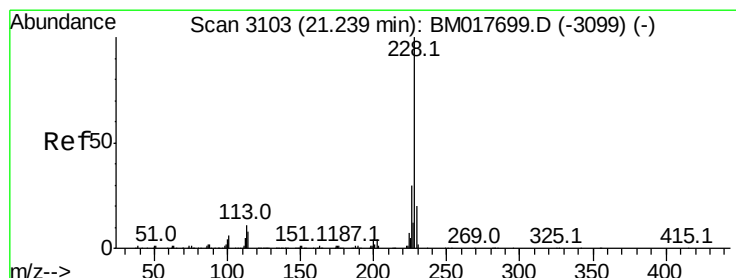
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#84

Chrysene

Concen: 39.589 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.05 min

Lab File: BM017701.D

Acq: 20 Nov 2018 12:15

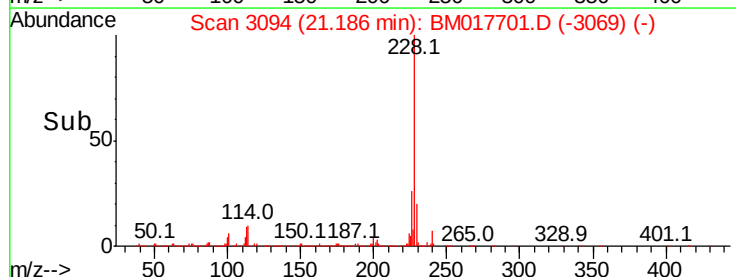
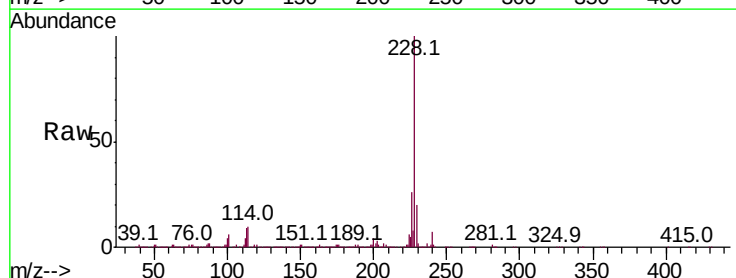
Tgt Ion:228 Resp: 3220701

Ion	Ratio	Lower	Upper
228	100		
226	26.3	23.7	35.5
229	19.7	15.8	23.8

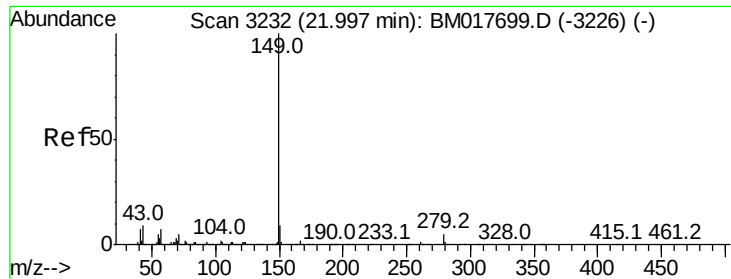
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



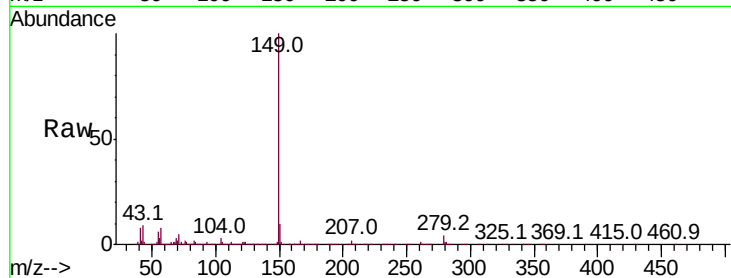
Time-->



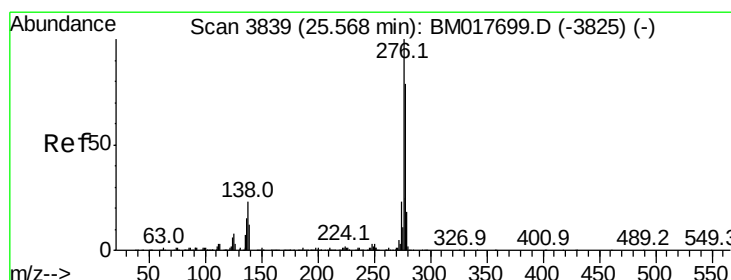
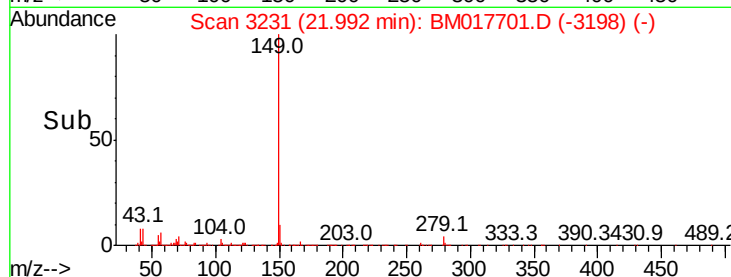
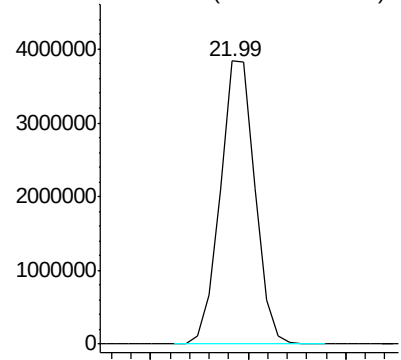
#86
 Di-n-octyl phthalate
 Concen: 48.729 ng/ul
 RT: 21.99 min Scan# 3231
 Delta R.T. -0.01 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:149 Resp: 4729013



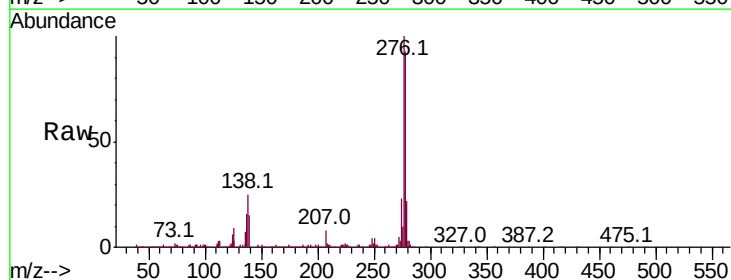
Abundance Ion 149.00 (148.70 to 149.70): E



#91
 Indeno(1,2,3-cd)pyrene
 Concen: 45.810 ng/ul
 RT: 25.57 min Scan# 3840
 Delta R.T. 0.01 min
 Lab File: BM017701.D
 Acq: 20 Nov 2018 12:15

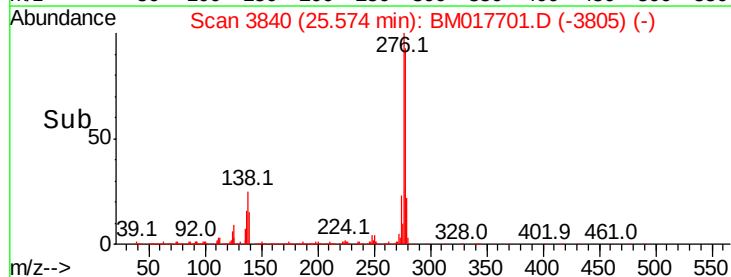
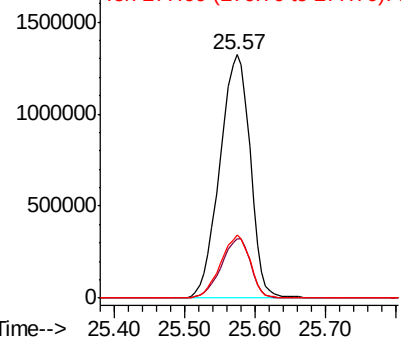
Tgt Ion:276 Resp: 3964459

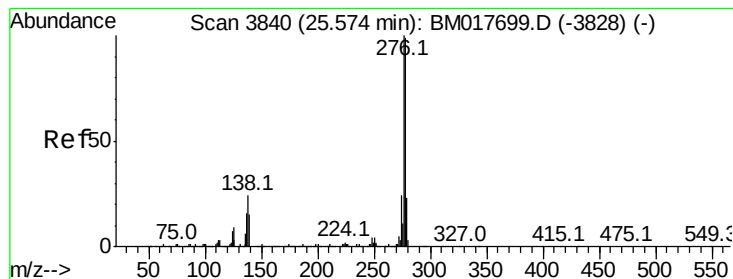
Ion	Ratio	Lower	Upper
276	100		
138	24.6	18.2	27.2
277	25.8	20.2	30.4



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



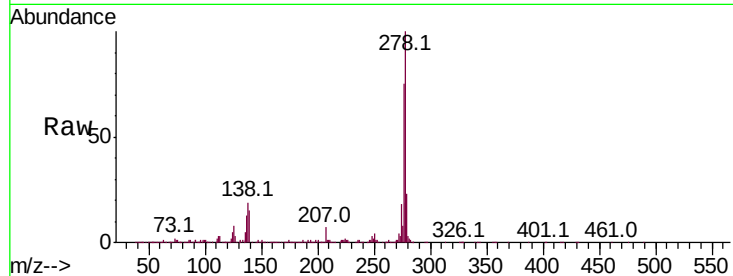


#92

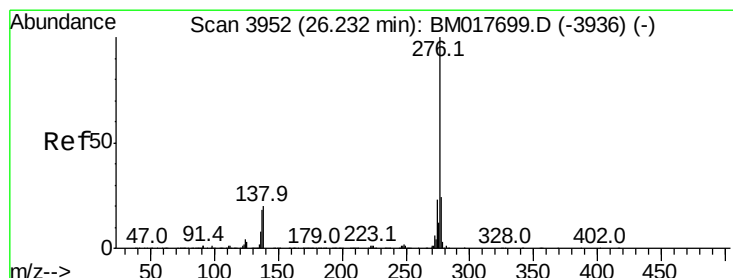
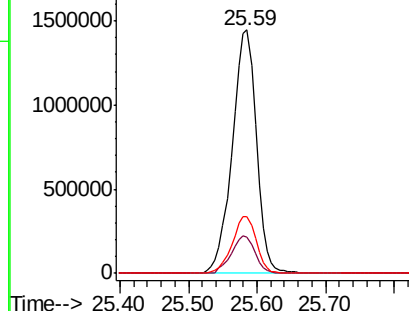
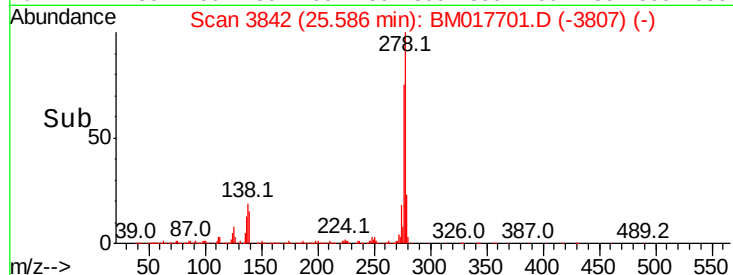
Dibenzo(a,h)anthracene
Concen: 48.357 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. 0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 3533322
Ion Ratio Lower Upper
278 100
139 14.8 11.5 17.3
279 23.2 18.9 28.3



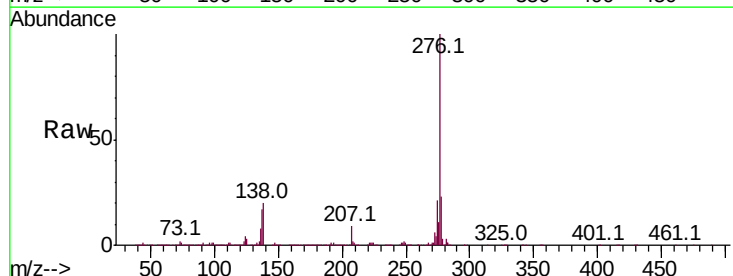
Abundance Ion 278.00 (277.70 to 278.70): E
2000000 Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene
Concen: 48.740 ng/ul
RT: 26.23 min Scan# 3952
Delta R.T. 0.01 min
Lab File: BM017701.D
Acq: 20 Nov 2018 12:15

Tgt Ion:276 Resp: 3409059
Ion Ratio Lower Upper
276 100
138 19.6 15.8 23.6
277 23.3 18.6 27.8



Abundance Ion 276.00 (275.70 to 276.70): E
1500000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

