

Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9F10

Quant Time: Dec 14 06:41:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 14 05:30:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	153285	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	714947	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.16	164	411143	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	913971	20.00	ng/ul	0.00
77) Chrysene-d12	21.14	240	671299	20.00	ng/ul	0.00
85) Perylene-d12	23.31	264	611912	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	12916	4.02	ng/uL	0.00
5) Phenol-d5	6.70	99	355383	24.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	192302	24.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	289207	24.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	270315	22.62	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	138092	23.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	164070	23.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	291616	24.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	63290	5.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	872872	24.00	ng/ul	0.00
46) Acenaphthylene-d8	13.85	160	1104385	24.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.41	143	120143	18.31	ng/ul	0.00
57) Fluorene-d10	15.17	176	762761	25.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.32	200	110151	15.82	ng/ul	0.00
70) Anthracene-d10	17.02	188	1170704	25.35	ng/ul	0.00
78) Pyrene-d10	19.33	212	1012938	31.47	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.17	264	823938	24.31	ng/ul	0.00

Target Compounds

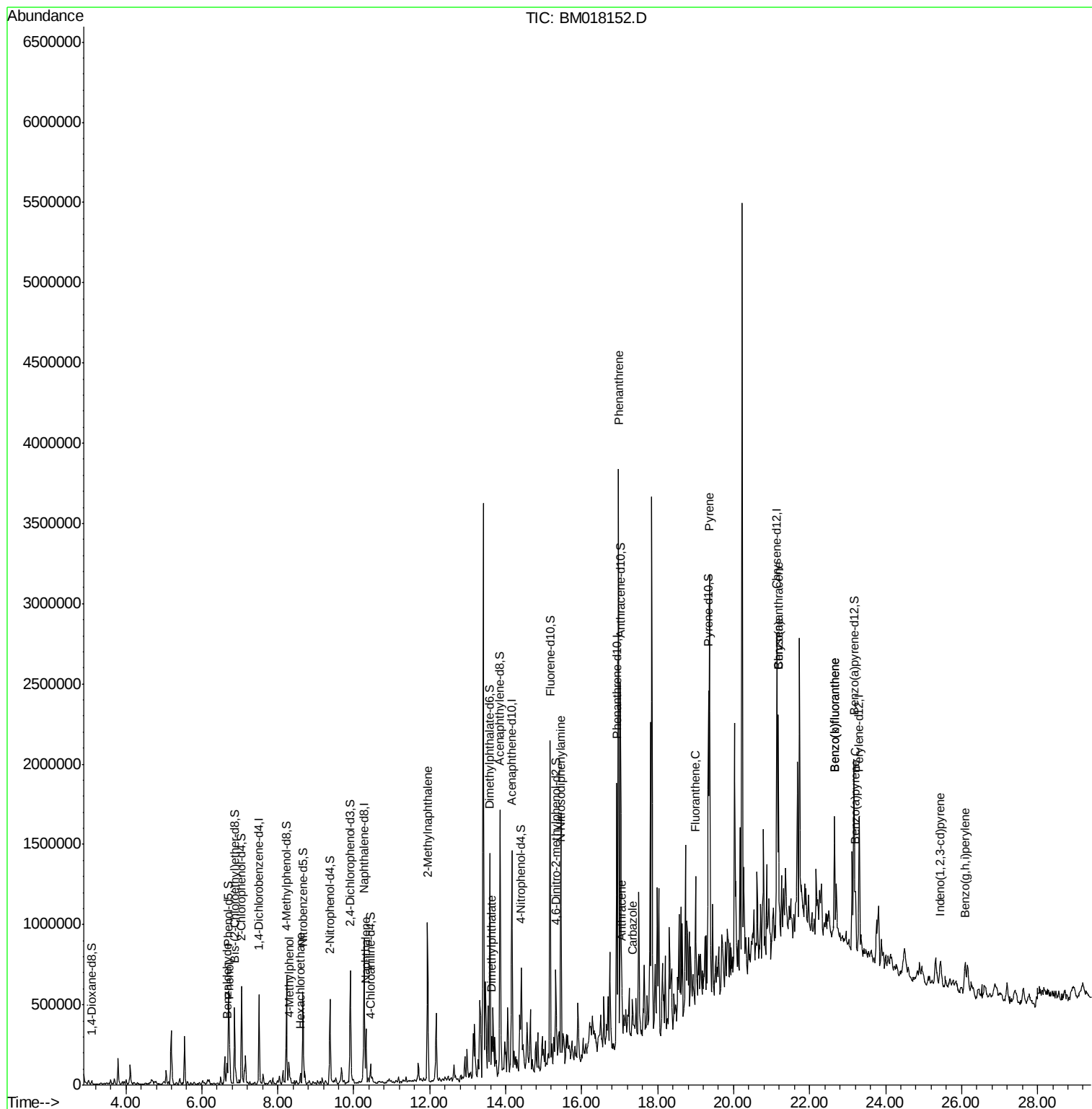
					Qvalue	
4) Benzaldehyde	6.66	77	9936	3.822	ng/ul#	1
6) Phenol	6.73	94	87968	6.073	ng/ul	99
16) 4-Methylphenol	8.29	108	47276	3.846	ng/ul	85
17) Hexachloroethane	8.59	117	6696	1.472	ng/ul#	6
28) Naphthalene	10.32	128	256952	6.680	ng/ul	96
34) 2-Methylnaphthalene	11.95	142	487452	17.079	ng/ul	99
44) Dimethylphthalate	13.63	163	127918	3.694	ng/ul	99
64) N-Nitrosodiphenylamine	15.44	169	35293	1.180	ng/ul#	51
69) Phenanthrene	16.97	178	2112021	39.585	ng/ul	100
71) Anthracene	17.06	178	173945	3.168	ng/ul	98
74) Carbazole	17.34	167	93222	1.866	ng/ul#	89
76) Fluoranthene	19.00	202	293450	4.742	ng/ul	97
79) Pyrene	19.37	202	1543325	38.428	ng/ul	100
82) Benzo(a)anthracene	21.18	228	825834	19.438	ng/ul	95
84) Chrysene	21.18	228	825834	20.831	ng/ul	97
87) Benzo(b)fluoranthene	22.66	252	202876	5.563	ng/ul#	90
88) Benzo(k)fluoranthene	22.66	252	202876	5.590	ng/ul#	90
90) Benzo(a)pyrene	23.21	252	251225	6.985	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.44	276	115133	2.821	ng/ul	93
93) Benzo(g,h,i)perylene	26.10	276	231001	6.791	ng/ul	94

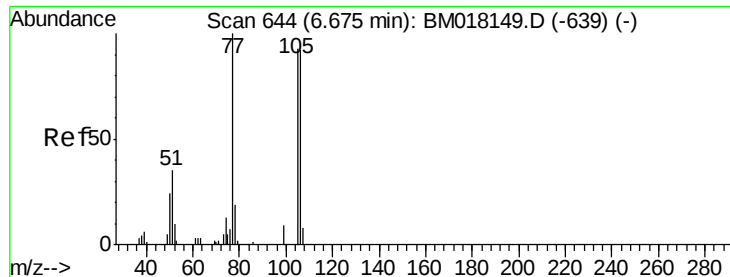
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.822 ng/ul

RT: 6.66 min Scan# 642

Delta R.T. -0.01 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

Instrument :

BNA_M

ClientSampleId :

F9F10

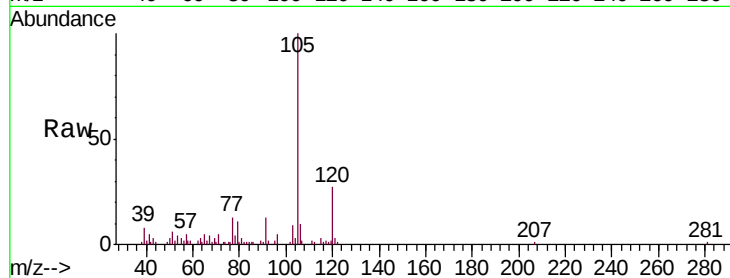
Tgt Ion: 77 Resp: 9936

Ion Ratio Lower Upper

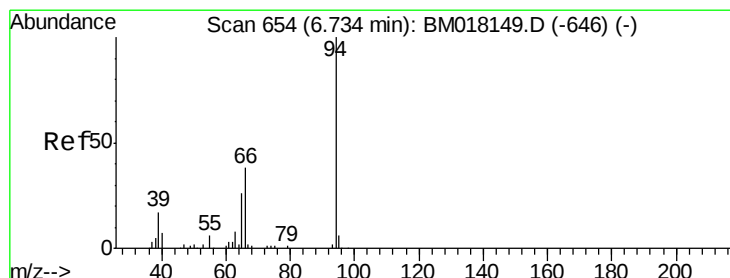
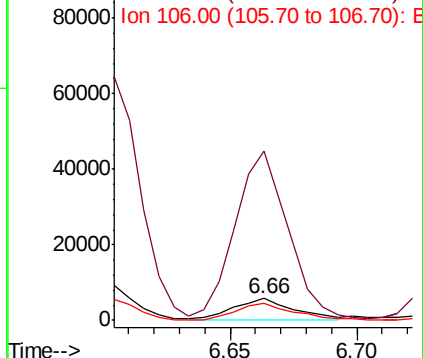
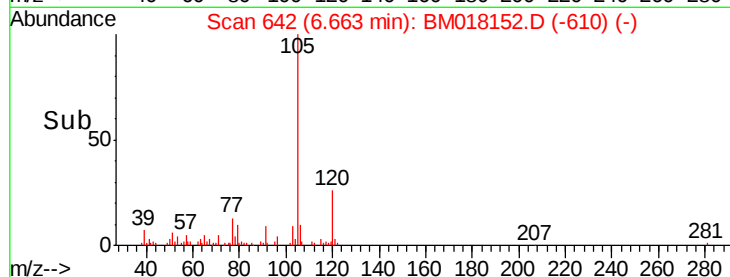
77 100

105 776.4 77.8 116.8#

106 78.0 81.7 122.5#



Abundance Ion 77.00 (76.70 to 77.70): BM018152.D (-610) (-)



#6

Phenol

Concen: 6.073 ng/ul

RT: 6.73 min Scan# 654

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

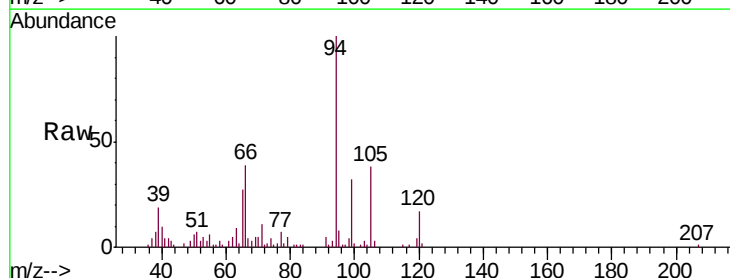
Tgt Ion: 94 Resp: 87968

Ion Ratio Lower Upper

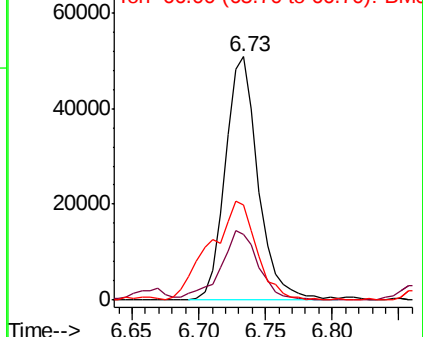
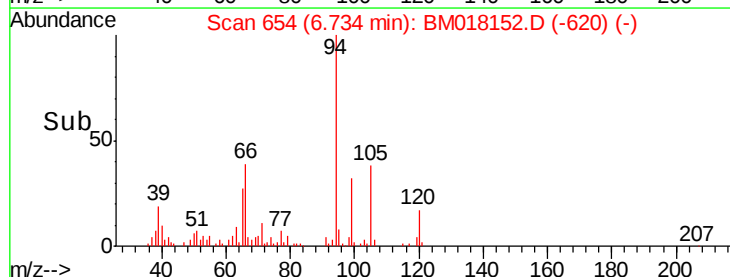
94 100

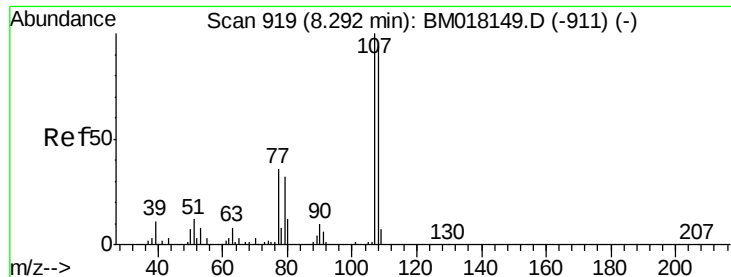
65 27.2 22.0 33.0

66 39.0 30.3 45.5



Abundance Ion 94.00 (93.70 to 94.70): BM018152.D (-620) (-)

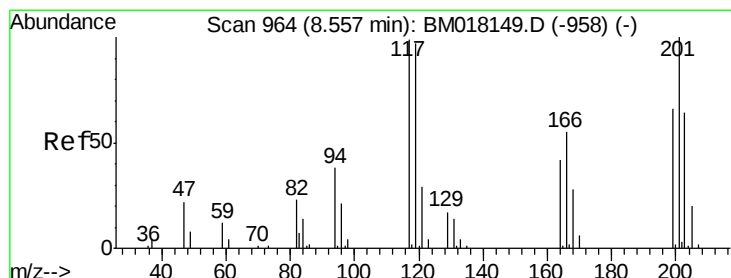
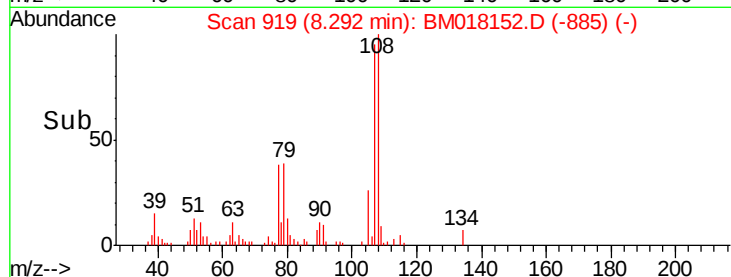
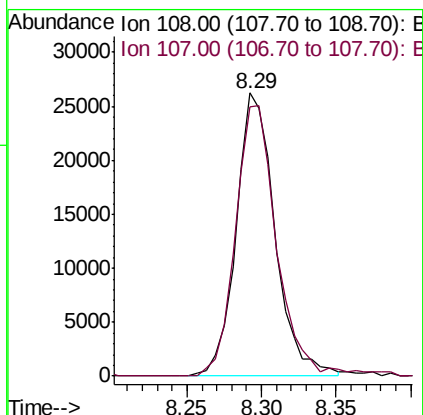
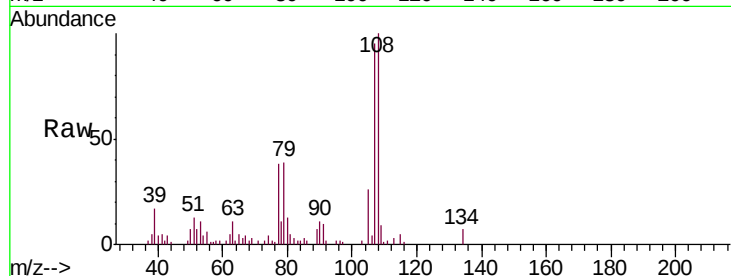




#16
4-Methylphenol
Concen: 3.846 ng/ul
RT: 8.29 min Scan# 919
Delta R.T. -0.00 min
Lab File: BM018152.D
Acq: 14 Dec 2018 05:12

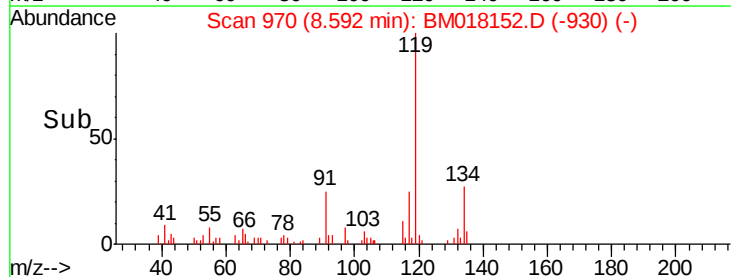
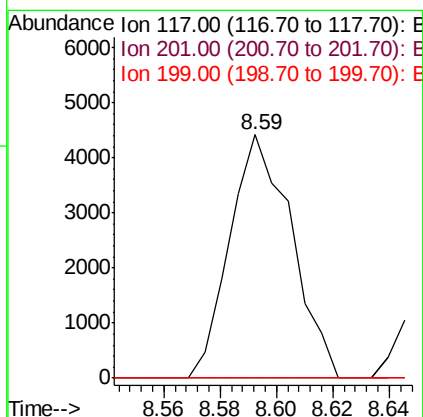
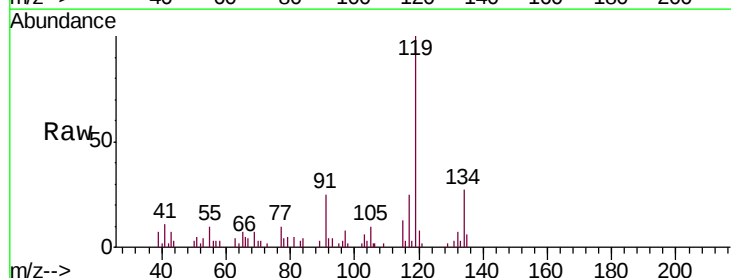
Instrument :
BNA_M
ClientSampleId :
F9F10

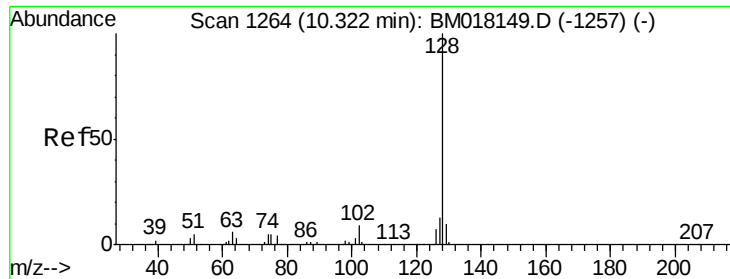
Tgt Ion:108 Resp: 47276
Ion Ratio Lower Upper
108 100
107 95.3 88.7 133.1



#17
Hexachloroethane
Concen: 1.472 ng/ul
RT: 8.59 min Scan# 970
Delta R.T. 0.04 min
Lab File: BM018152.D
Acq: 14 Dec 2018 05:12

Tgt Ion:117 Resp: 6696
Ion Ratio Lower Upper
117 100
201 0.0 82.7 124.1#
199 0.0 50.7 76.1#





#28

Naphthalene

Concen: 6.680 ng/ul

RT: 10.32 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

Instrument :

BNA_M

ClientSampleId :

F9F10

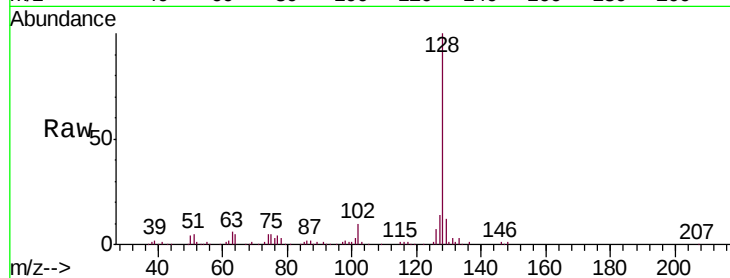
Tgt Ion:128 Resp: 256952

Ion Ratio Lower Upper

128 100

129 11.7 8.2 12.4

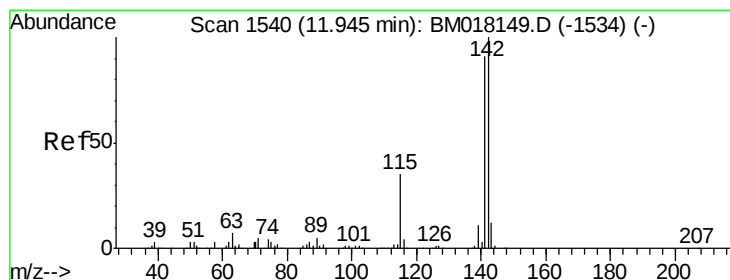
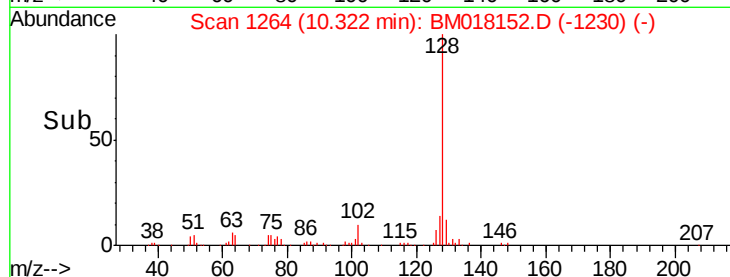
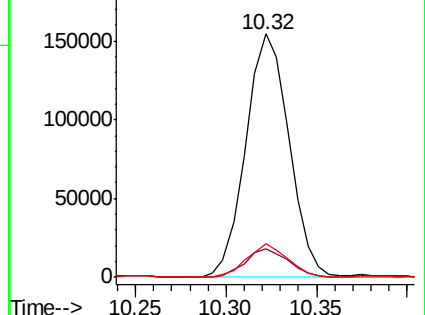
127 13.9 9.7 14.5



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



#34

2-Methylnaphthalene

Concen: 17.079 ng/ul

RT: 11.95 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM018152.D

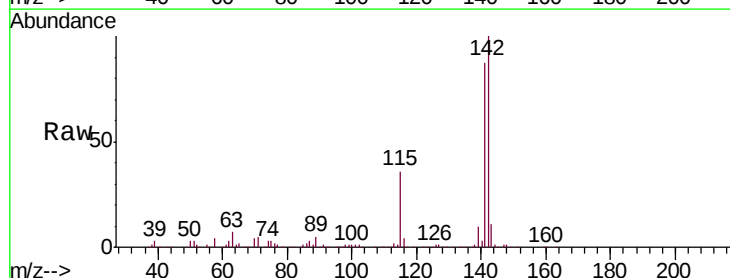
Acq: 14 Dec 2018 05:12

Tgt Ion:142 Resp: 487452

Ion Ratio Lower Upper

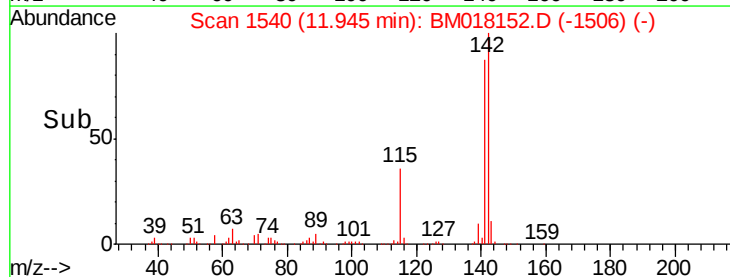
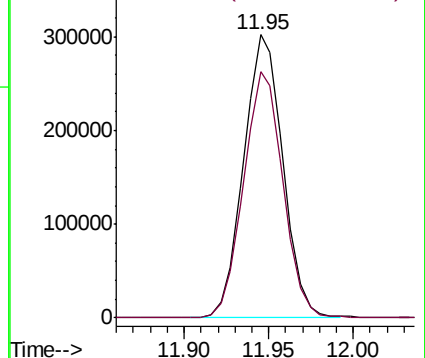
142 100

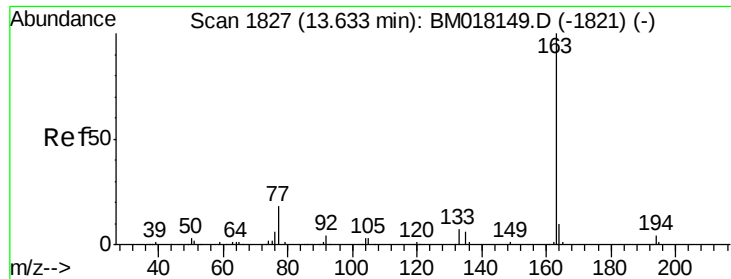
141 87.1 69.0 103.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

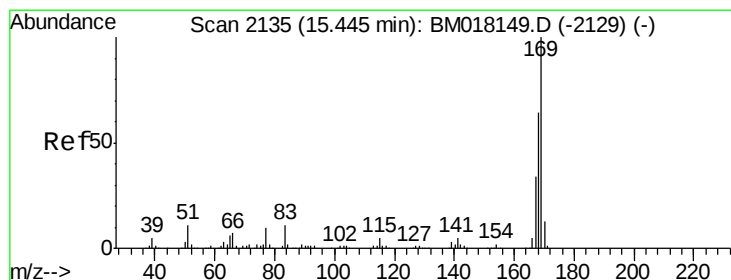
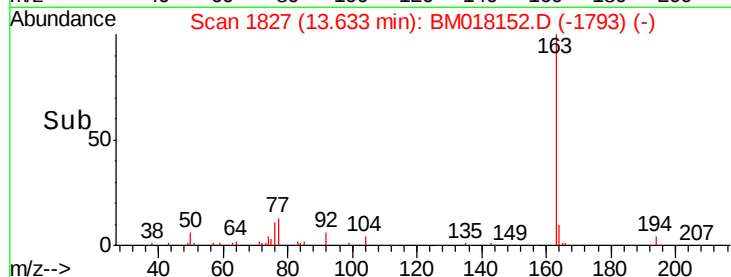
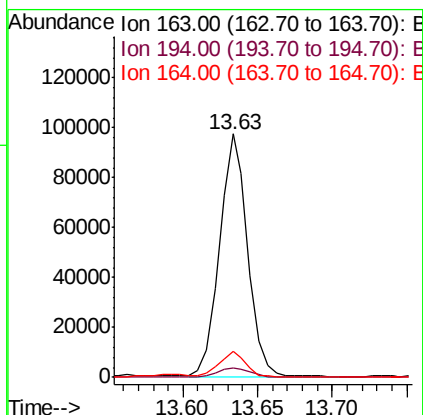
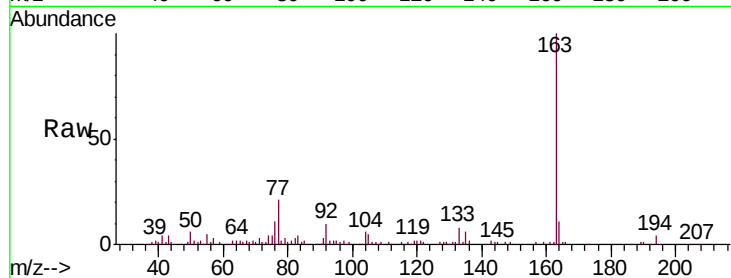




#44
Dimethylphthalate
Concen: 3.694 ng/ul
RT: 13.63 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM018152.D
Acq: 14 Dec 2018 05:12

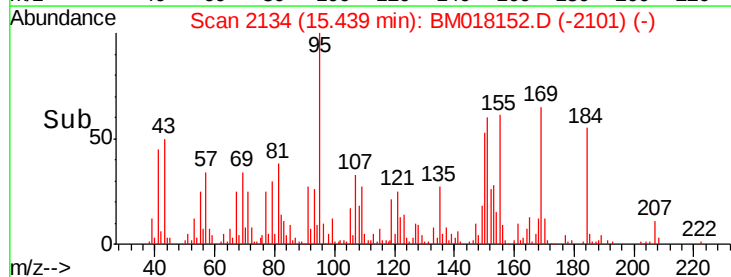
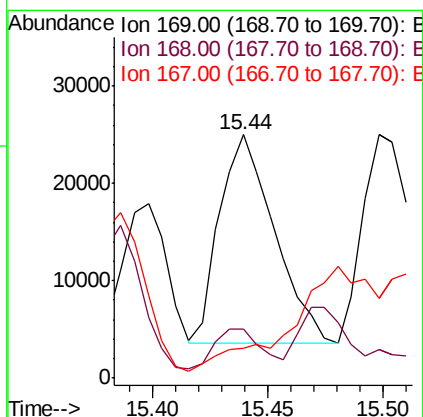
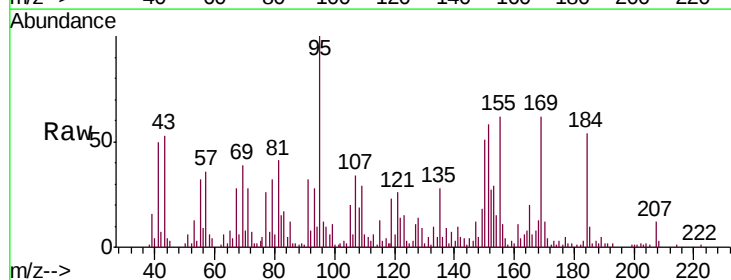
Instrument :
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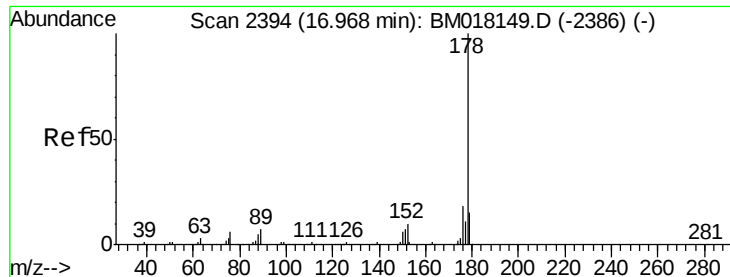
Tgt Ion:163 Resp: 127918
Ion Ratio Lower Upper
163 100
194 3.9 3.7 5.5
164 10.7 8.2 12.4



#64
N-Nitrosodiphenylamine
Concen: 1.180 ng/ul
RT: 15.44 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BM018152.D
Acq: 14 Dec 2018 05:12

Tgt Ion:169 Resp: 35293
Ion Ratio Lower Upper
169 100
168 20.4 50.7 76.1#
167 12.4 26.5 39.7#





#69

Phenanthrene

Concen: 39.585 ng/ul

RT: 16.97 min Scan# 2394

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

Instrument :

BNA_M

ClientSampleId :

F9F10

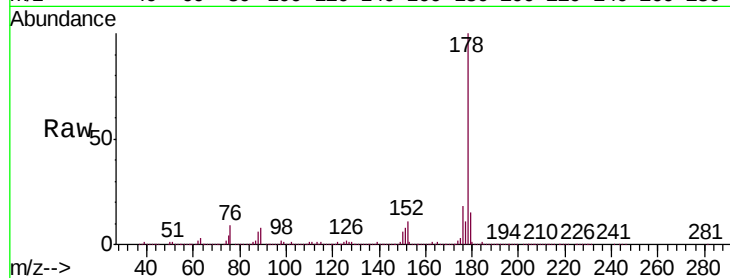
Tgt Ion:178 Resp: 2112021

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

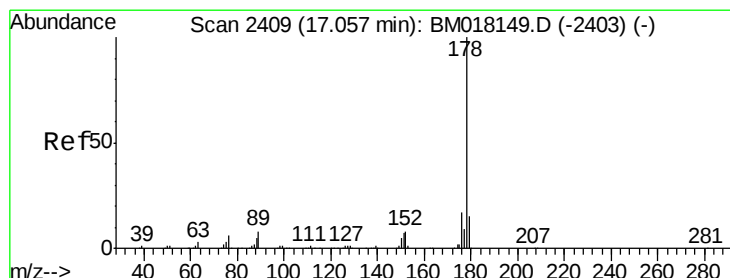
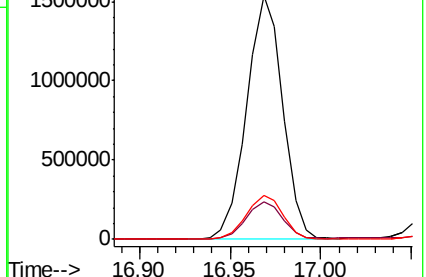
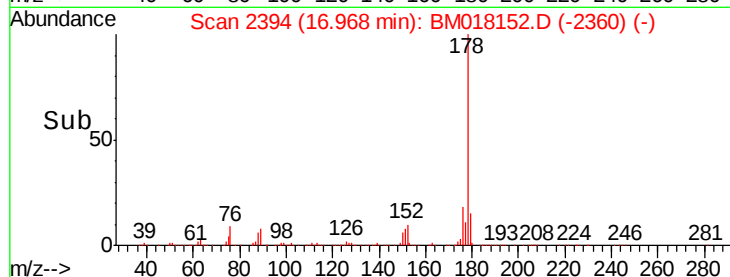
176 17.9 14.3 21.5



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



#71

Anthracene

Concen: 3.168 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

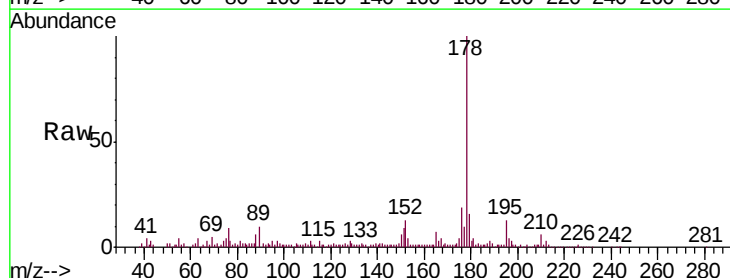
Tgt Ion:178 Resp: 173945

Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

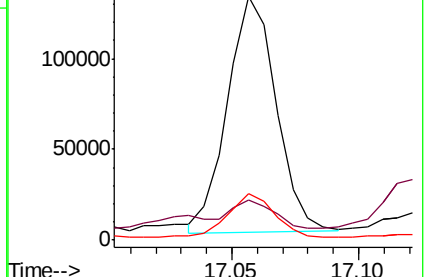
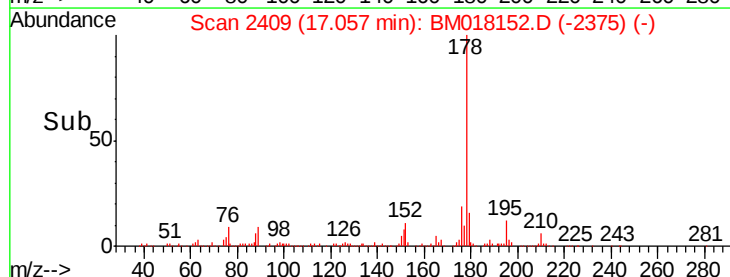
176 19.1 14.1 21.1

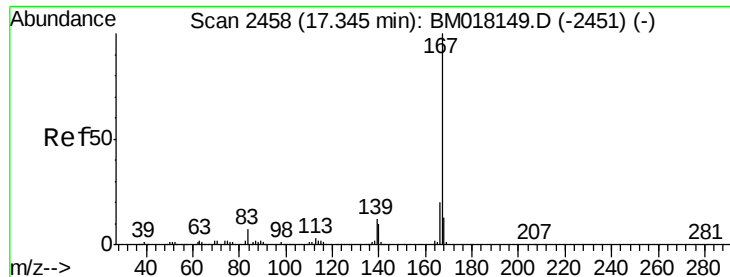


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.866 ng/ul

RT: 17.34 min Scan# 2457

Delta R.T. -0.01 min

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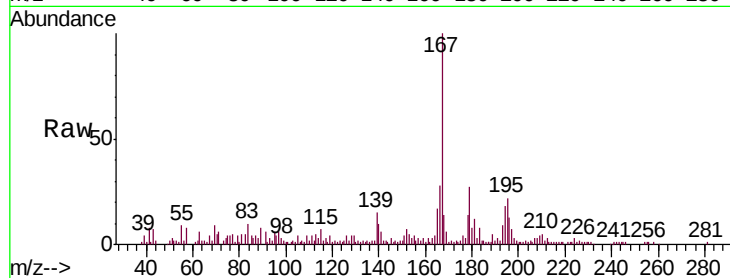
Tgt Ion:167 Resp: 93222

Ion Ratio Lower Upper

167 100

166 27.7 16.6 24.8#

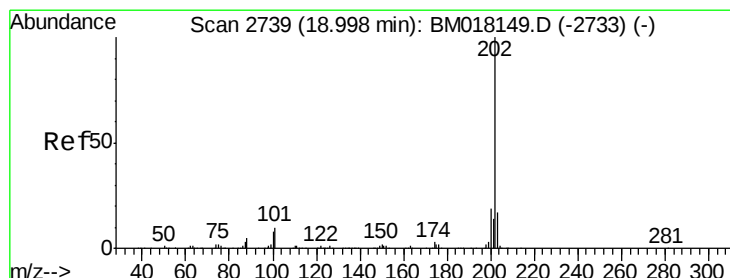
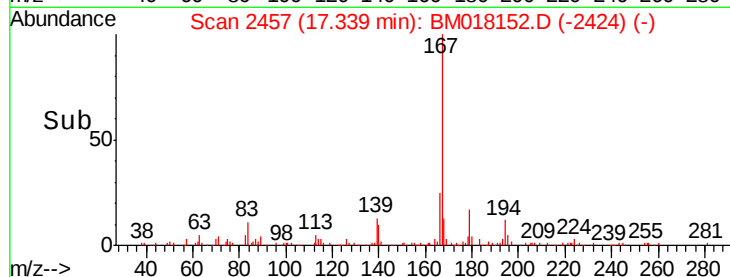
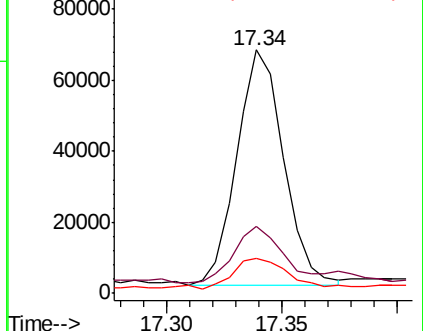
139 14.6 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 4.742 ng/ul

RT: 19.00 min Scan# 2739

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

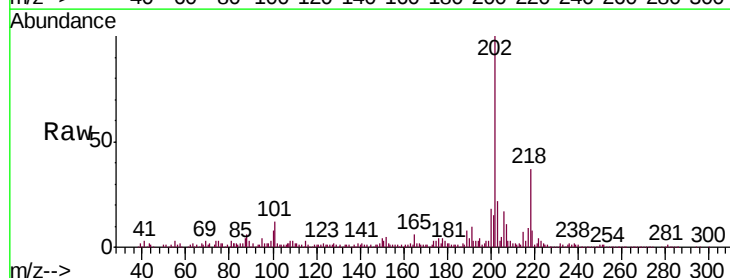
Tgt Ion:202 Resp: 293450

Ion Ratio Lower Upper

202 100

101 11.8 8.0 12.0

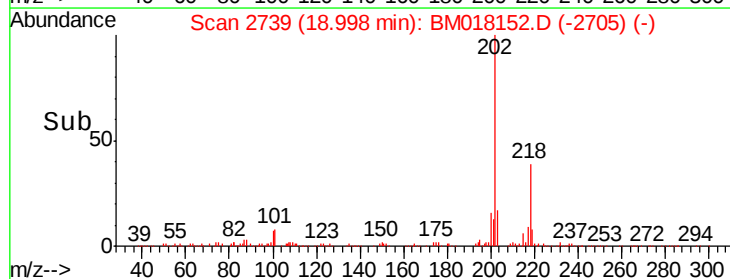
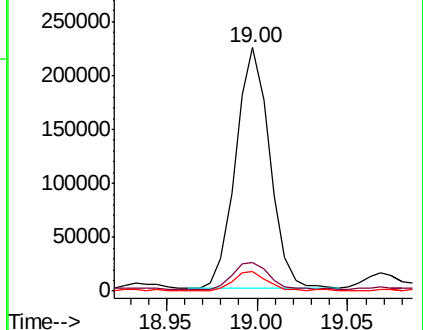
100 8.2 6.6 10.0

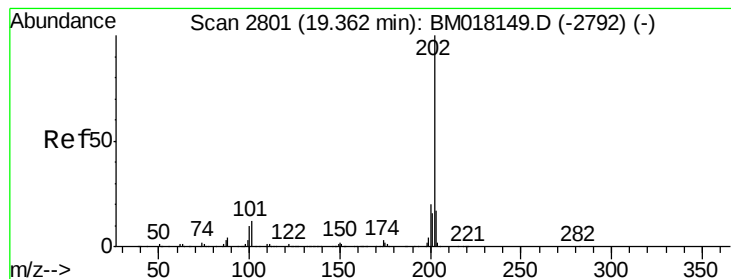


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 38.428 ng/ul

RT: 19.37 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BM018152.D

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Instrument :

BNA_M

ClientSampleId :

F9F10

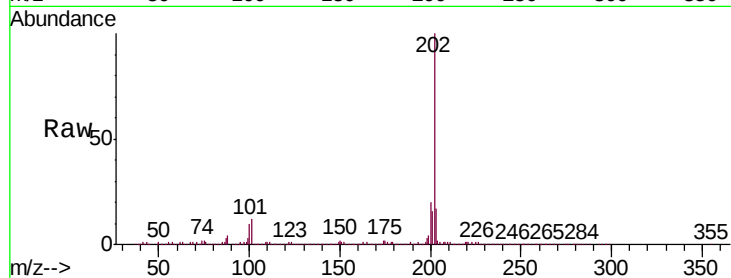
Tgt Ion:202 Resp: 1543325

Ion Ratio Lower Upper

202 100

101 12.1 9.6 14.4

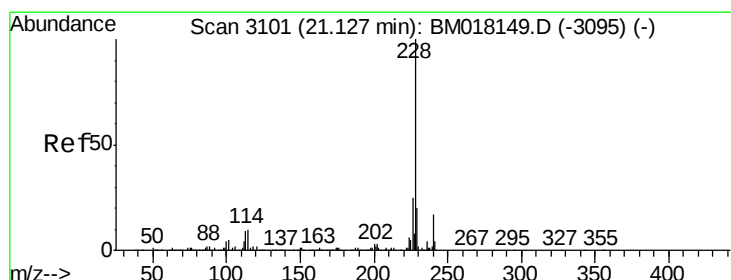
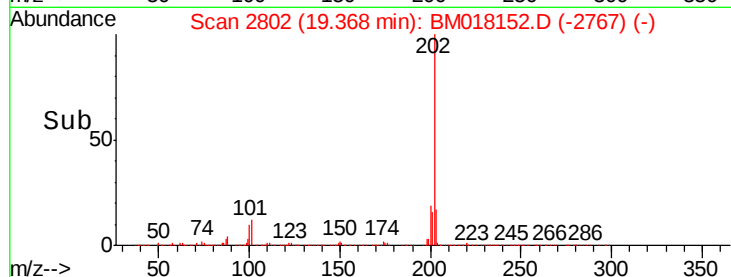
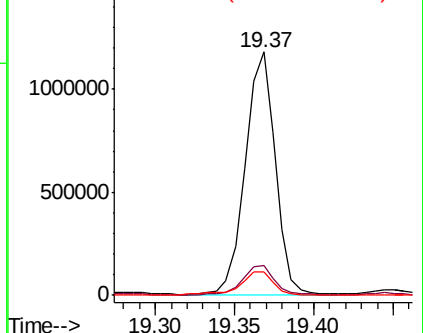
100 9.7 7.7 11.5



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: 19.438 ng/ul

RT: 21.18 min Scan# 3110

Delta R.T. 0.05 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

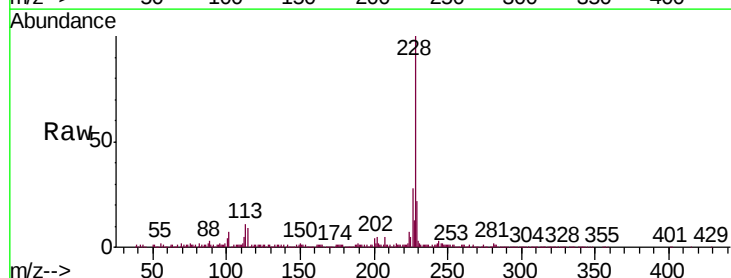
Tgt Ion:228 Resp: 825834

Ion Ratio Lower Upper

228 100

229 22.3 16.0 24.0

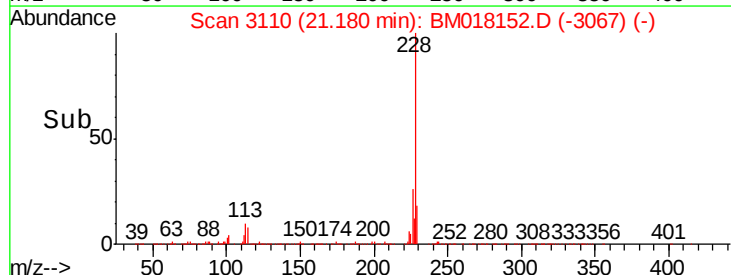
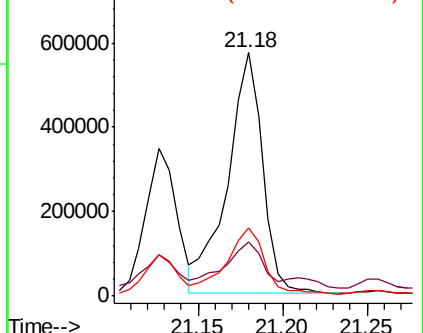
226 28.1 20.5 30.7

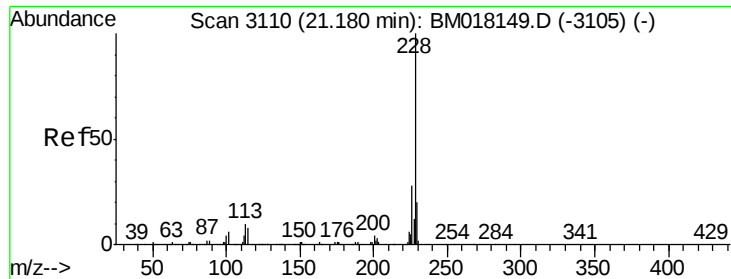


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 20.831 ng/ul

RT: 21.18 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

Instrument :

BNA_M

ClientSampleId :

F9F10

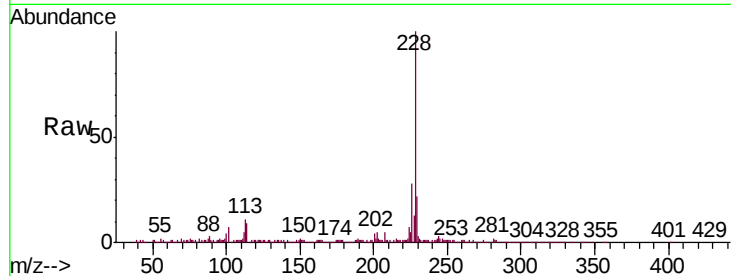
Tgt Ion:228 Resp: 825834

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

229 22.3 15.5 23.3

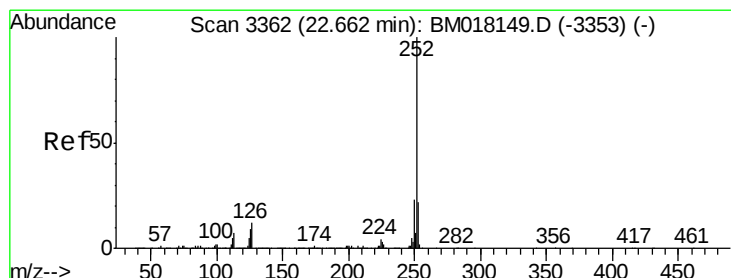
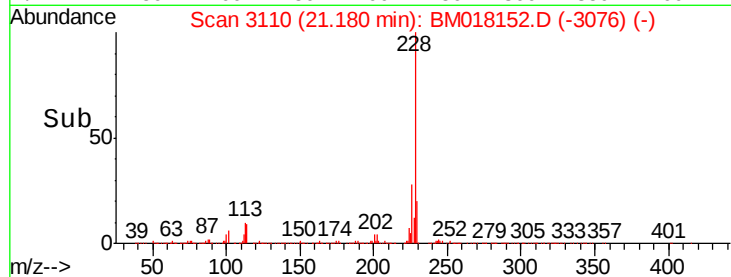
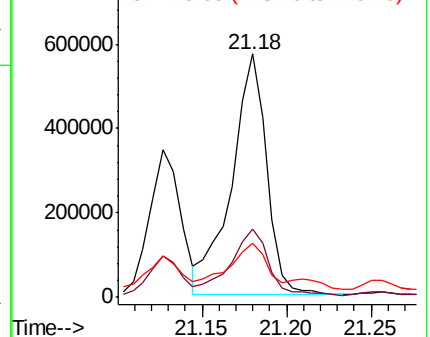


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 5.563 ng/ul

RT: 22.66 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

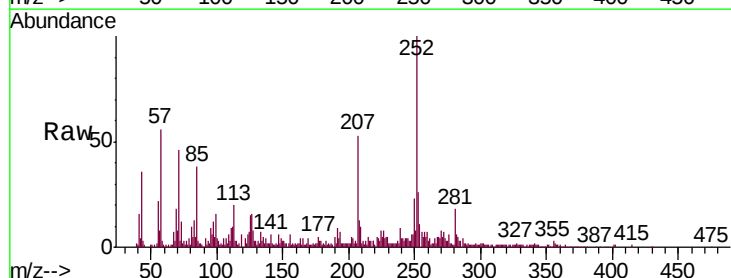
Tgt Ion:252 Resp: 202876

Ion Ratio Lower Upper

252 100

253 25.5 17.3 25.9

125 15.2 7.8 11.6#

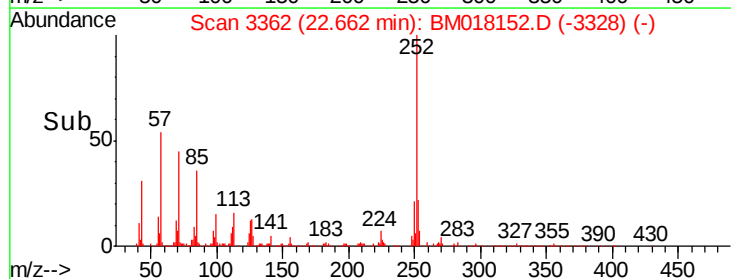
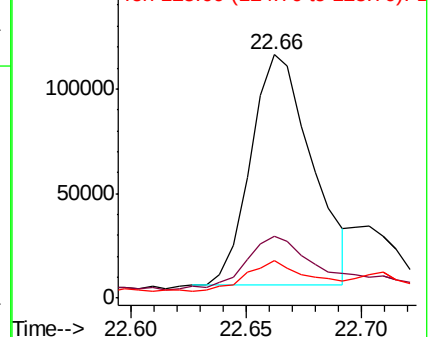


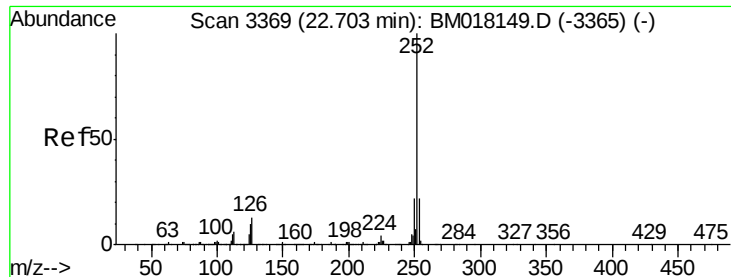
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 5.590 ng/ul

RT: 22.66 min Scan# 3362

Delta R.T. -0.04 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

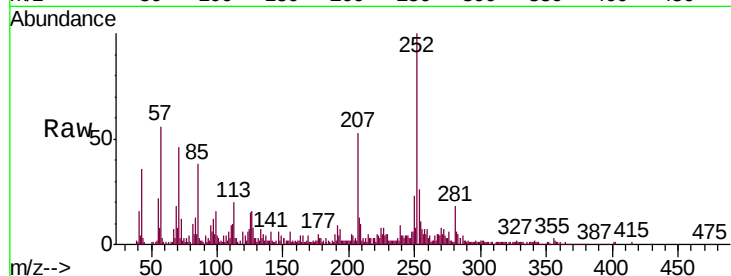
Instrument :

BNA_M

ClientSampleId :

F9F10

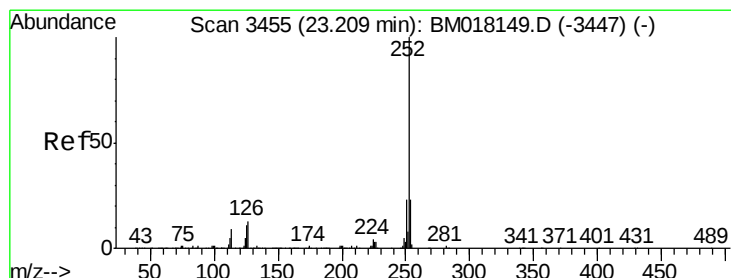
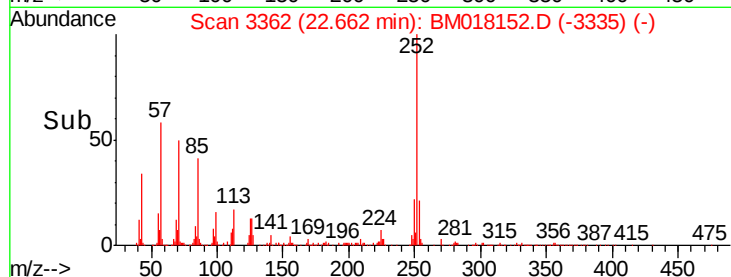
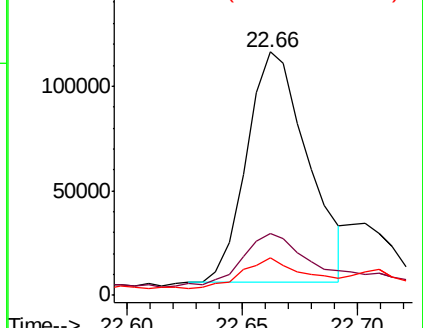
Tgt Ion:	252	Resp:	202876
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.4	26.0
125	15.2	7.8	11.8#



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



#90

Benzo(a)pyrene

Concen: 6.985 ng/ul

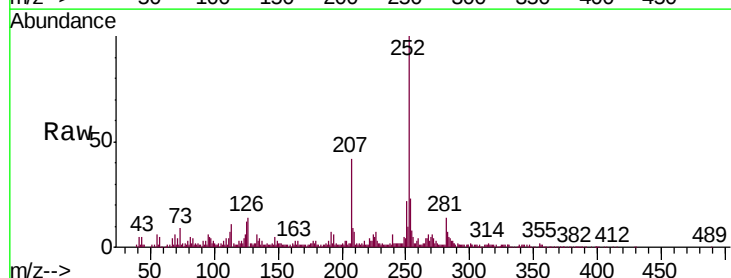
RT: 23.21 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

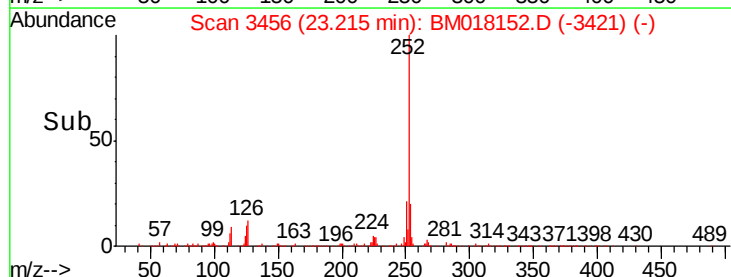
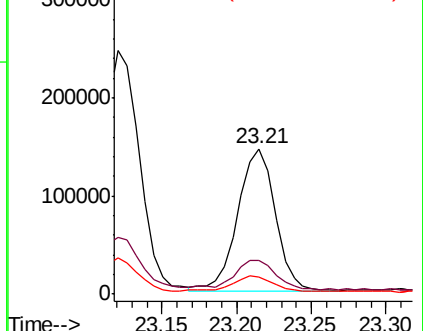
Tgt Ion:	252	Resp:	251225
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	12.0	9.0	13.4

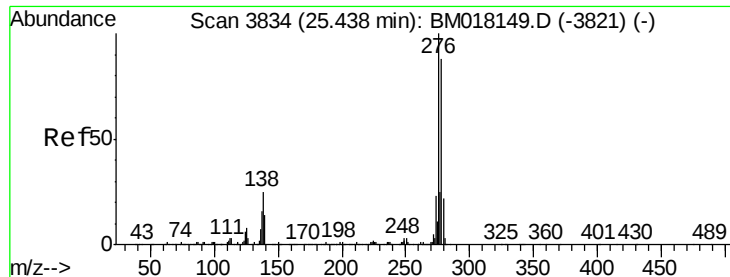


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 2.821 ng/ul

RT: 25.44 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

Instrument :

BNA_M

ClientSampleId :

F9F10

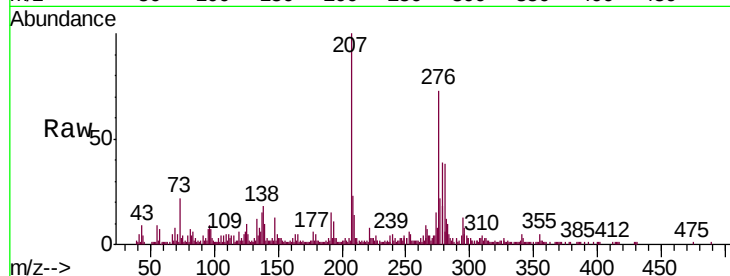
Tgt Ion:276 Resp: 115133

Ion Ratio Lower Upper

276 100

138 24.8 18.6 28.0

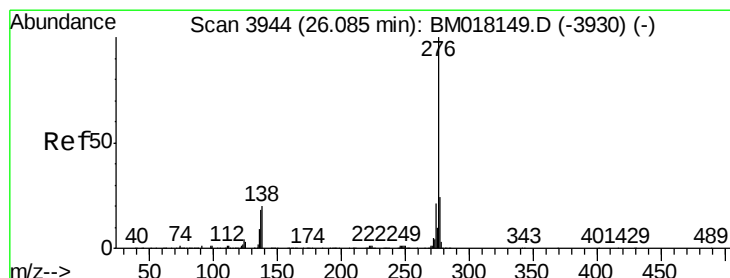
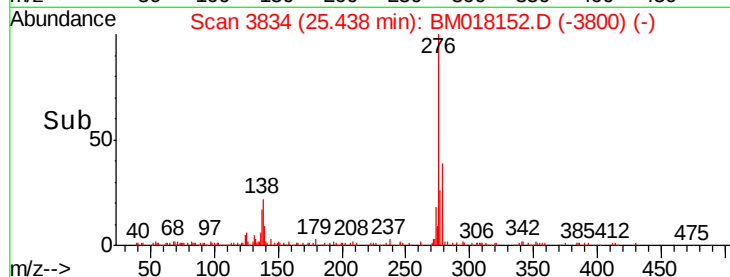
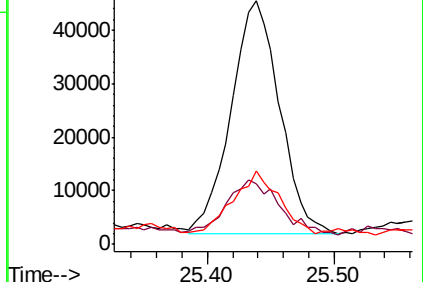
277 30.1 20.1 30.1



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

Benzo(g,h,i)perylene

Concen: 6.791 ng/ul

RT: 26.10 min Scan# 3946

Delta R.T. 0.01 min

Lab File: BM018152.D

Acq: 14 Dec 2018 05:12

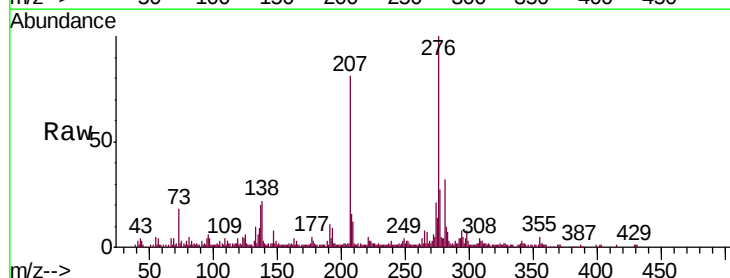
Tgt Ion:276 Resp: 231001

Ion Ratio Lower Upper

276 100

138 21.6 15.4 23.2

277 26.6 19.0 28.4



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

