

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM122017\
 Data File : BM013524.D
 Acq On : 20 Dec 2017 10:16
 Operator : SJ/JU
 Sample : I6775-07MEDL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 15:11:50 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	168453	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	775667	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	471356	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1050018	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	942837	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	815982	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	780	0.23	ng/uL	0.00
5) Phenol-d5	6.85	99	22798	1.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	14610	1.76	ng/ul	0.01
9) 2-Chlorophenol-d4	7.21	132	19075	1.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	19317	1.55	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	9512	1.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	9257	1.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	18219	1.34	ng/ul	0.02
29) 4-Chloroaniline-d4	10.56	131	599	0.05	ng/ul	-0.03
43) Dimethylphthalate-d6	13.73	166	72405	1.73	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	86994	1.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	3152	0.43	ng/ul	0.04
57) Fluorene-d10	15.31	176	64969	1.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	1778	0.27	ng/ul	0.01
70) Anthracene-d10	17.16	188	96237	1.83	ng/ul	0.00
76) Pyrene-d10	19.46	212	94186	2.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	71357	1.72	ng/ul	0.00

Target Compounds

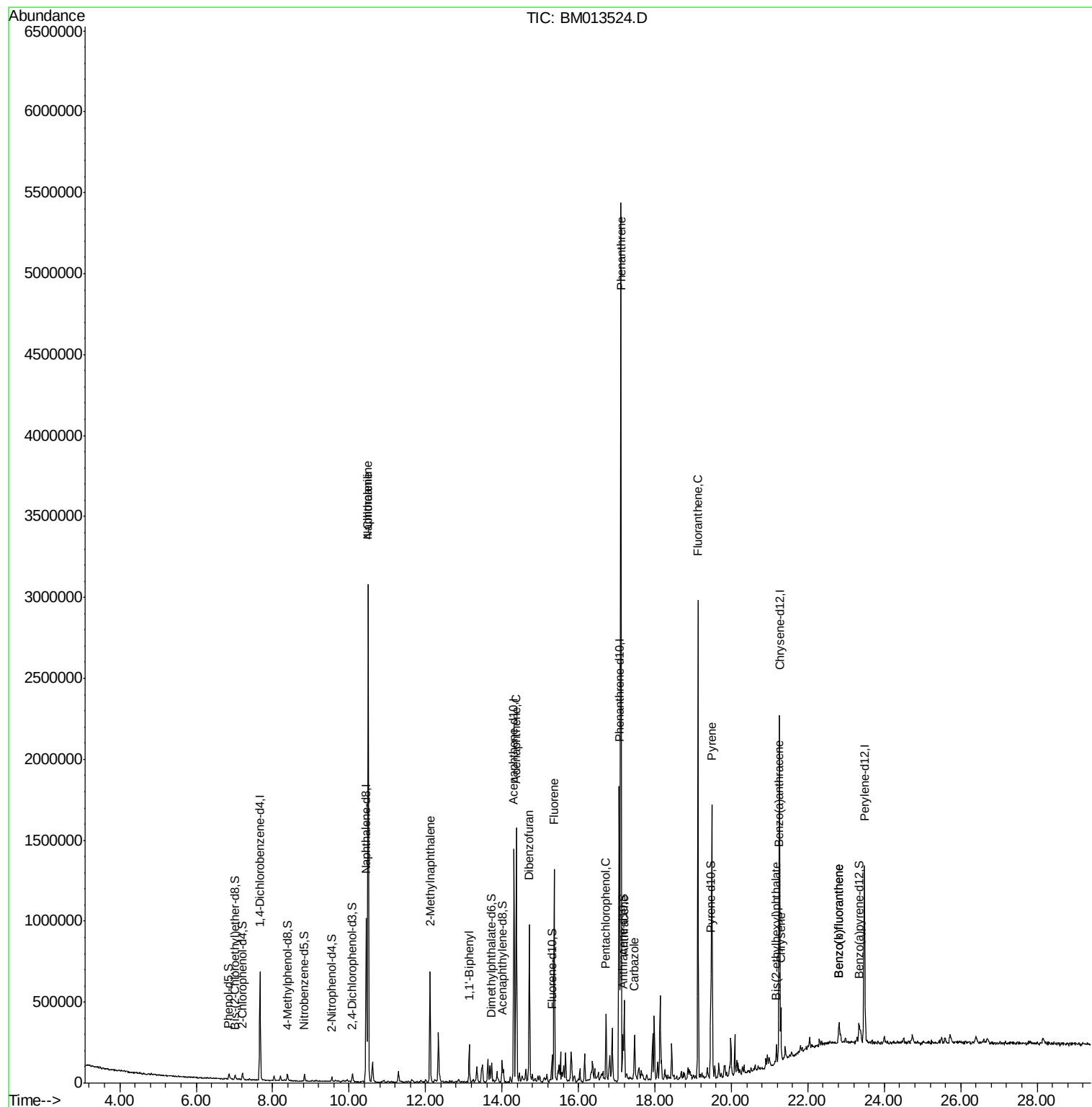
					Ovalue	
28) Naphthalene	10.50	128	2325409	58.270	ng/ul	99
30) 4-Chloroaniline	10.50	127	303476	25.140	ng/ul#	19
34) 2-Methylnaphthalene	12.12	142	298410	9.947	ng/ul	97
40) 1,1'-Biphenyl	13.14	154	104930	2.634	ng/ul#	95
49) Acenaphthene	14.37	153	591345	18.123	ng/ul	97
53) Dibenzofuran	14.72	168	544689	11.307	ng/ul	99
58) Fluorene	15.37	166	563933	14.151	ng/ul	97
68) Pentachlorophenol	16.72	266	65608	8.333	ng/ul	97
69) Phenanthrene	17.11	178	3167824	53.104	ng/ul	99
71) Anthracene	17.20	178	311213	5.104	ng/ul	95
72) Carbazole	17.47	167	150779	2.875	ng/ul	99
74) Fluoranthene	19.13	202	1665398	22.781	ng/ul#	93
77) Pyrene	19.49	202	1073133	18.735	ng/ul#	94
80) Benzo(a)anthracene	21.24	228	204832	3.424	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.17	149	40627	1.204	ng/ul	98
82) Chrysene	21.29	228	179825	3.240	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	91348	1.661	ng/ul#	94
86) Benzo(k)fluoranthene	22.82	252	91348	1.765	ng/ul#	96

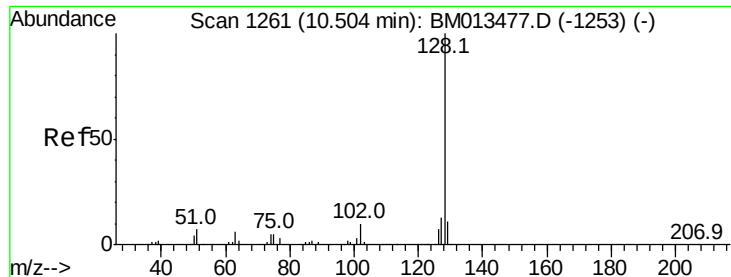
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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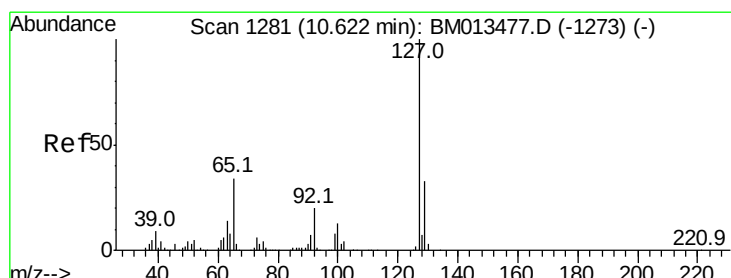
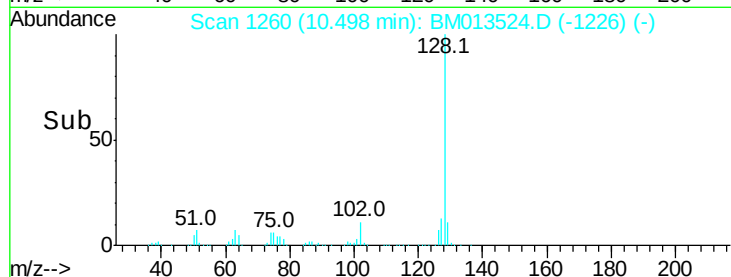
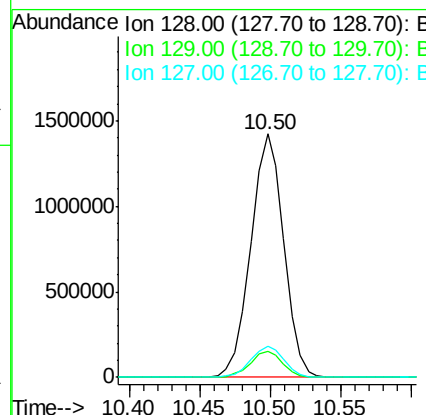
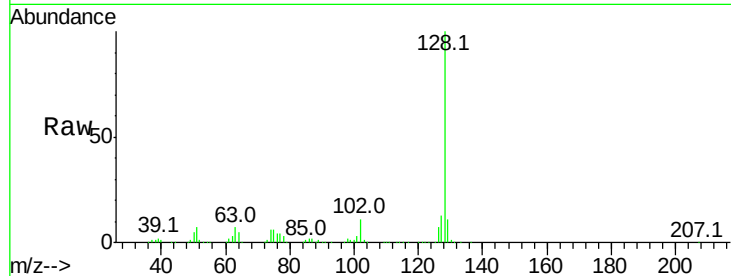




#28
Naphthalene
Concen: 58.270 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM013524.D
Acq: 20 Dec 2017 10:16

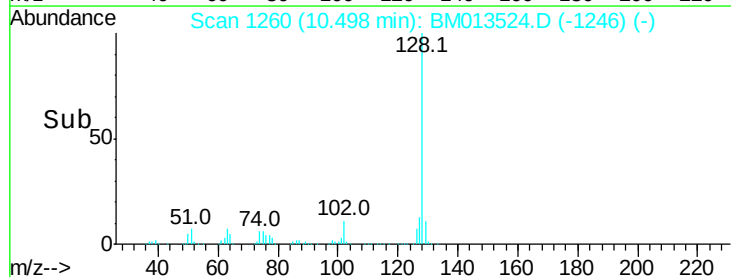
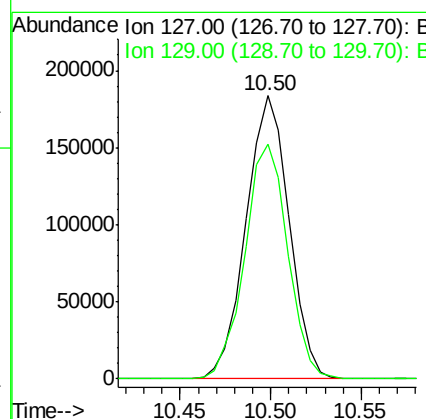
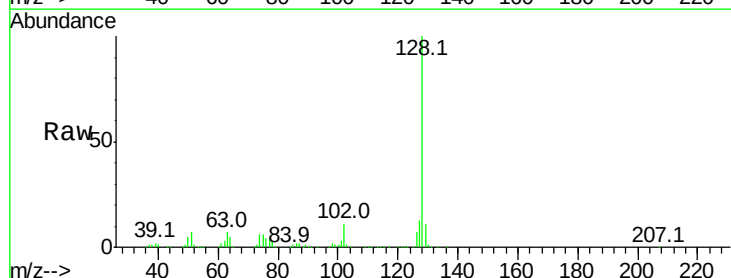
Instrument :
BNA_M
ClientSampleId :

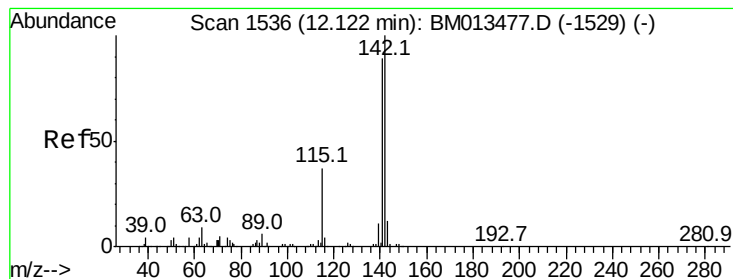
Tot Ion:128 Resp: 2325409
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.9 10.6 16.0



#30
4-Chloroaniline
Concen: 25.140 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013524.D
Acq: 20 Dec 2017 10:16

Tgt Ion:127 Resp: 303476
Ion Ratio Lower Upper
127 100
129 83.0 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 9.947 ng/ul

RT: 12.12 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Instrument :

BNA_M

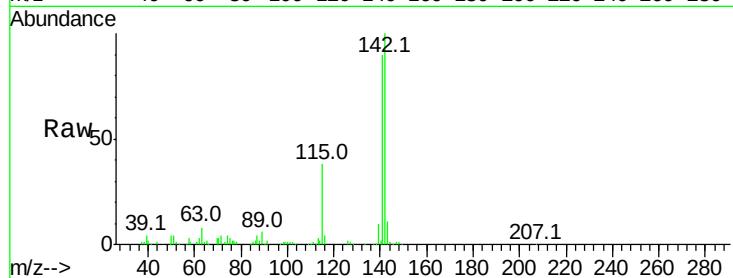
ClientSampleId :

Tot Ion:142 Resp: 298410

Ion Ratio Lower Upper

142 100

141 90.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

200000

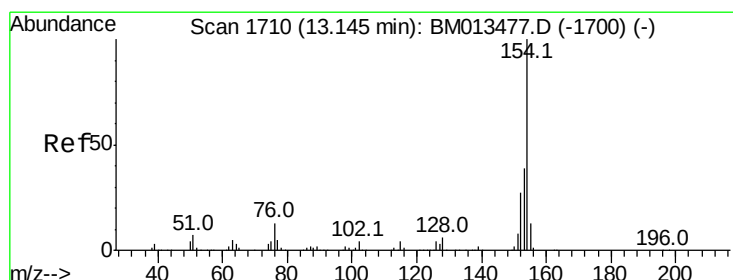
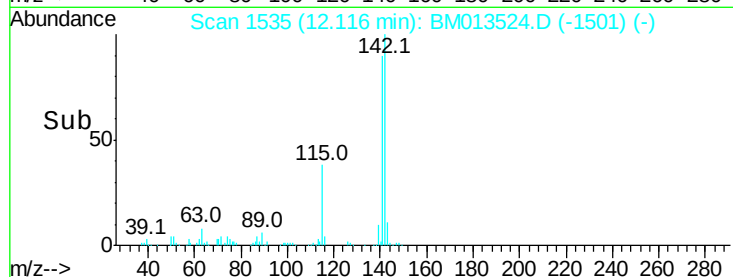
150000

100000

50000

0

Time--> 12.05 12.10 12.15



#40

1,1'-Biphenyl

Concen: 2.634 ng/ul

RT: 13.14 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

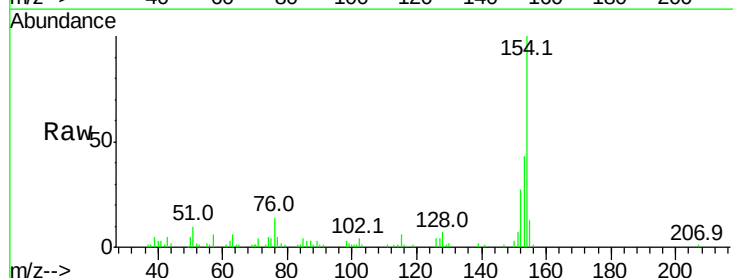
Tgt Ion:154 Resp: 104930

Ion Ratio Lower Upper

154 100

153 42.9 32.6 48.8

76 14.3 8.5 12.7#



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

13.14

80000

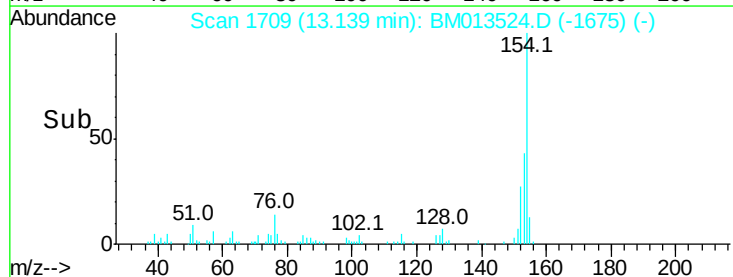
60000

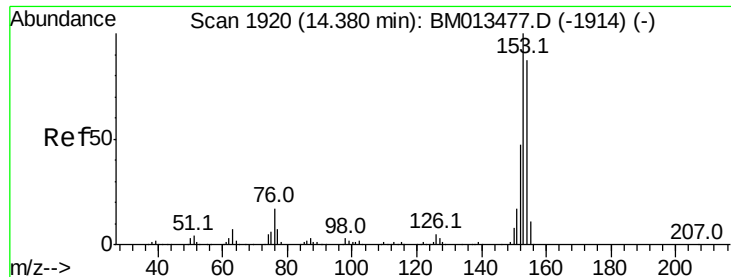
40000

20000

0

Time--> 13.10 13.15 13.20





#49

Acenaphthene

Concen: 18.123 ng/ul

RT: 14.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Instrument :

BNA_M

ClientSampleId :

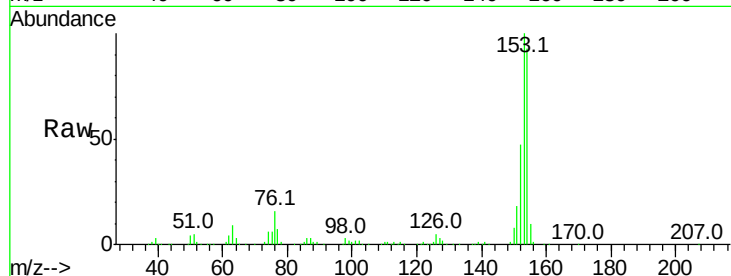
Tot Ion:153 Resp: 591345

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

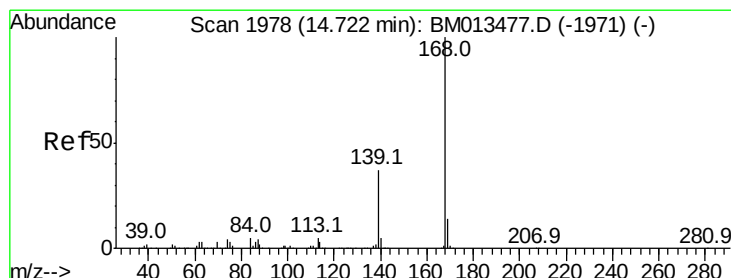
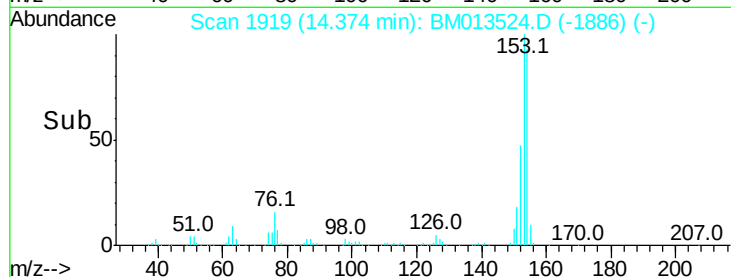
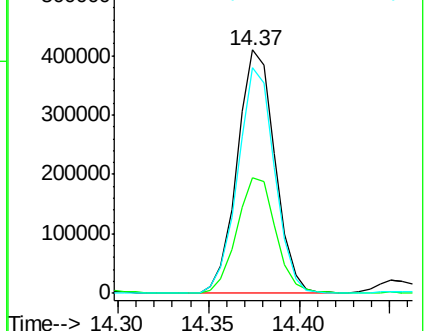
154 92.6 70.4 105.6



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



#53

Dibenzofuran

Concen: 11.307 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM013524.D

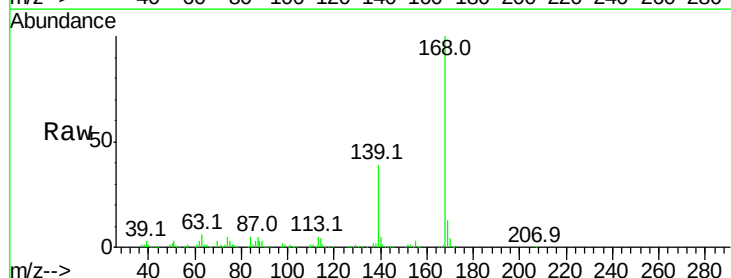
Acq: 20 Dec 2017 10:16

Tgt Ion:168 Resp: 544689

Ion Ratio Lower Upper

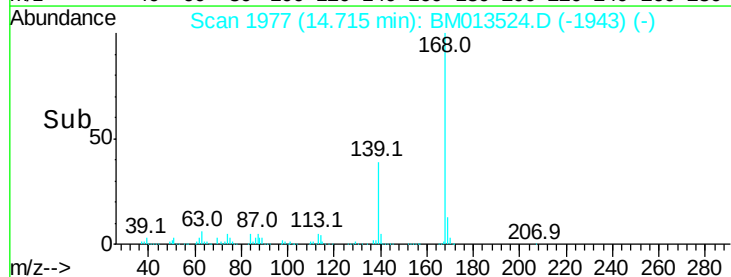
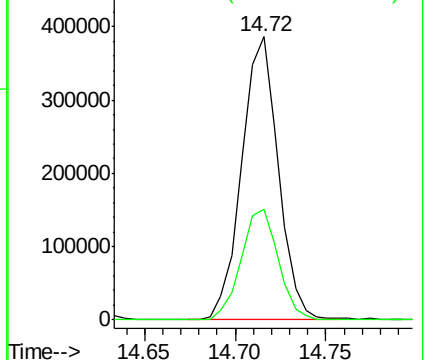
168 100

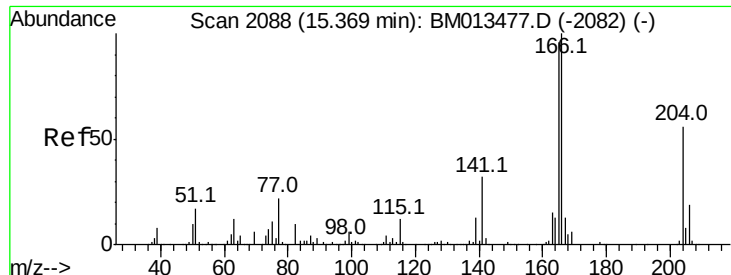
139 39.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

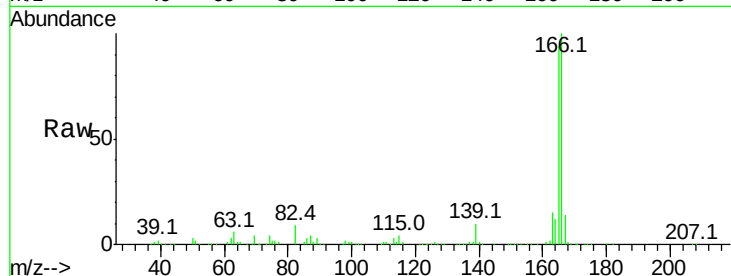




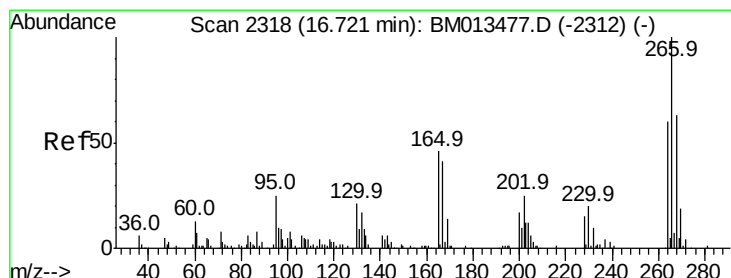
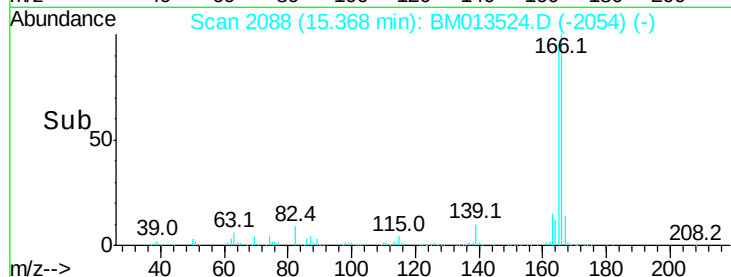
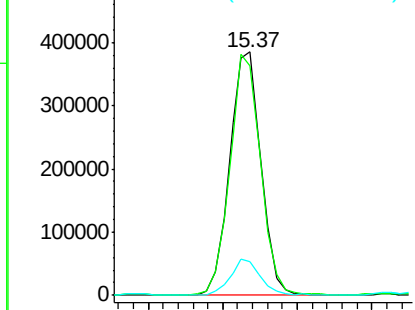
#58
 Fluorene
 Concen: 14.151 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: BM013524.D
 Acq: 20 Dec 2017 10:16

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.4	77.9	116.9
167	13.8	10.6	16.0

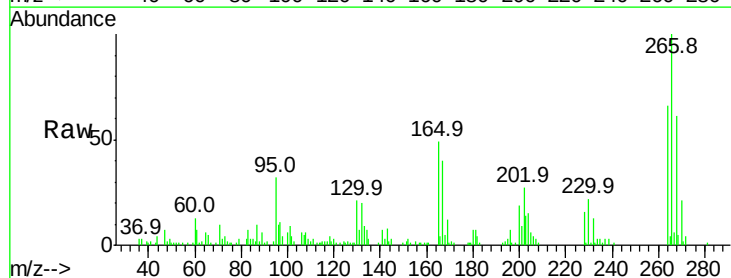


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

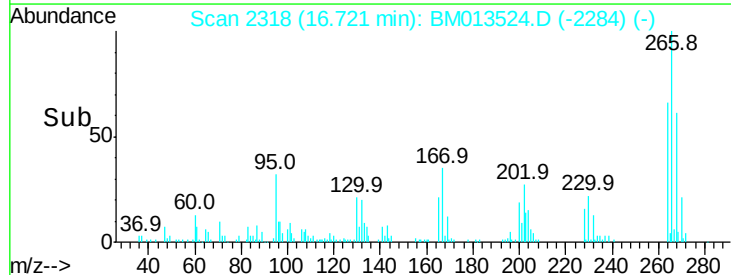
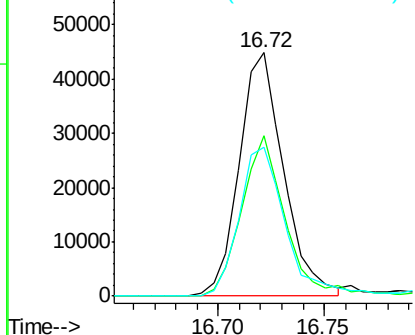


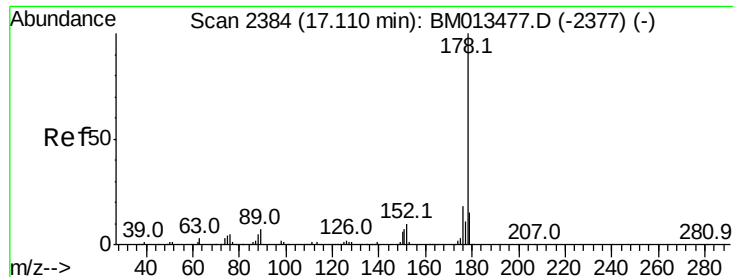
#68
 Pentachlorophenol
 Concen: 8.333 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BM013524.D
 Acq: 20 Dec 2017 10:16

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.7	49.3	73.9
268	66.2	52.6	78.8



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





#69

Phenanthrene

Concen: 53.104 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

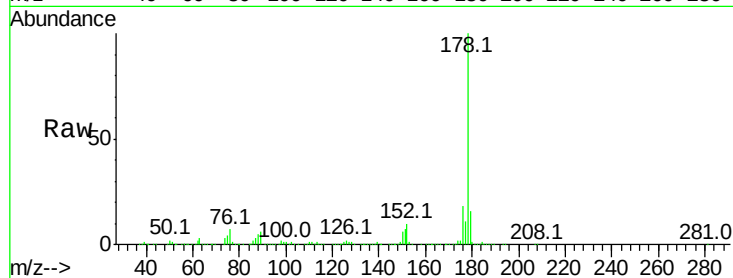
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 3167824

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.3	14.9	22.3

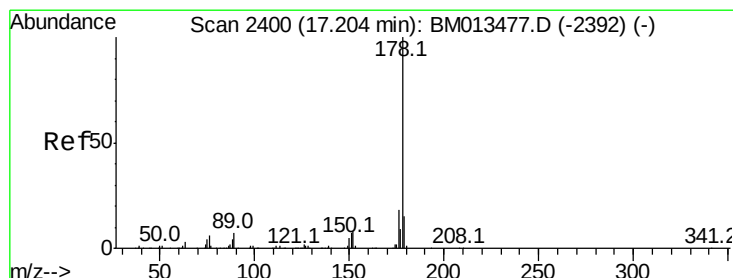
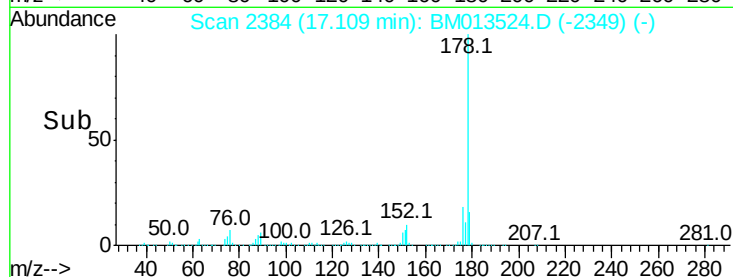
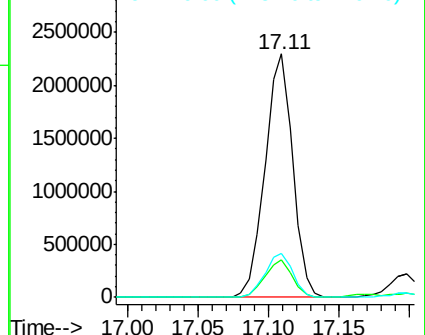


Abundance

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



#71

Anthracene

Concen: 5.104 ng/ul

RT: 17.20 min Scan# 2399

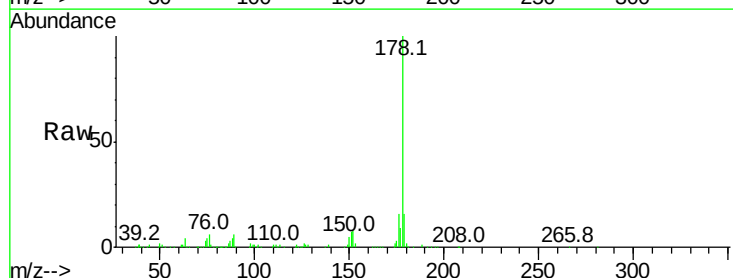
Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Tgt Ion:178 Resp: 311213

Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.7	17.5
176	16.0	14.6	21.8

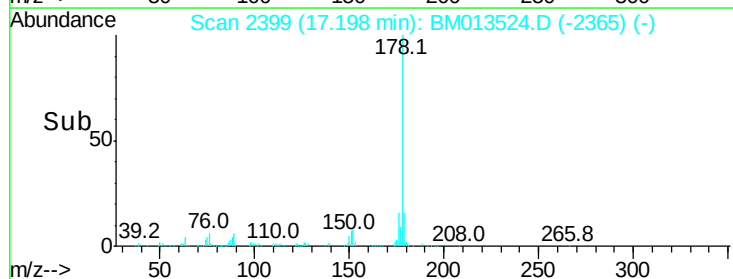
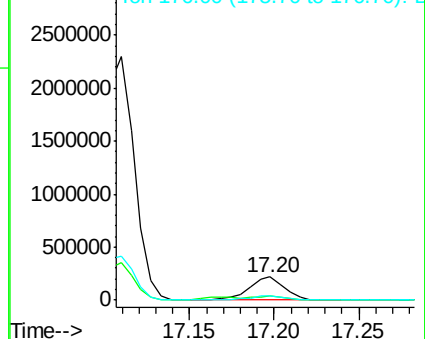


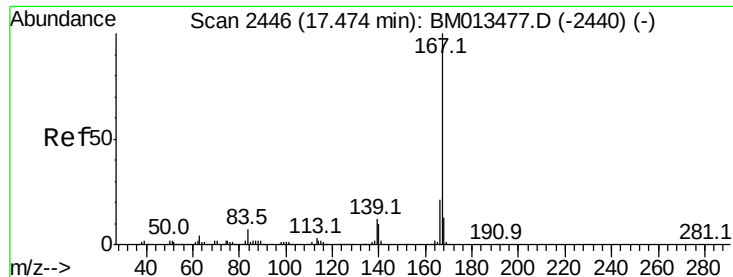
Abundance

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

Carbazole

Concen: 2.875 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Instrument :

BNA_M

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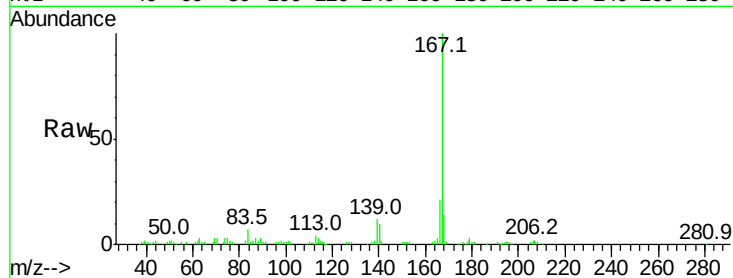
Tot Ion:167 Resp: 150779

Ion Ratio Lower Upper

167 100

166 21.2 17.1 25.7

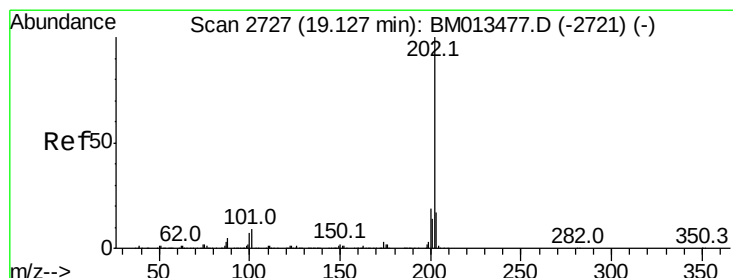
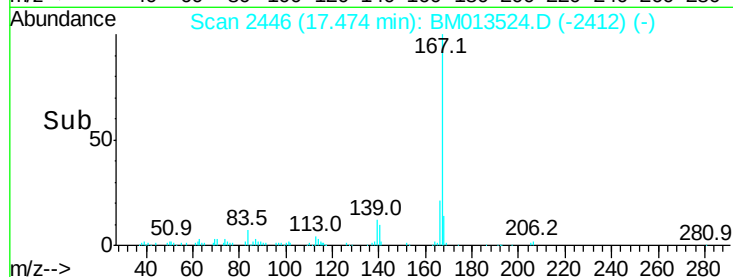
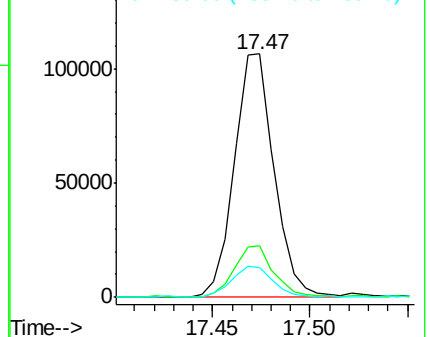
139 12.3 10.0 15.0



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



#74

Fluoranthene

Concen: 22.781 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

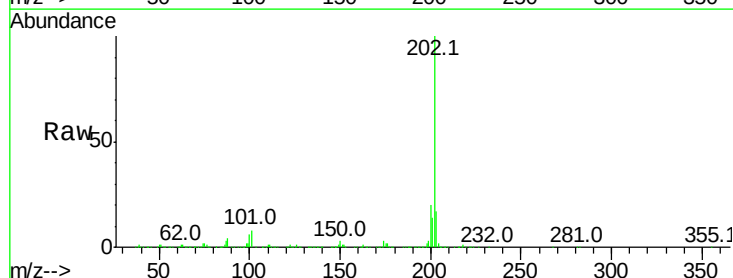
Tgt Ion:202 Resp: 1665398

Ion Ratio Lower Upper

202 100

101 8.1 4.6 7.0#

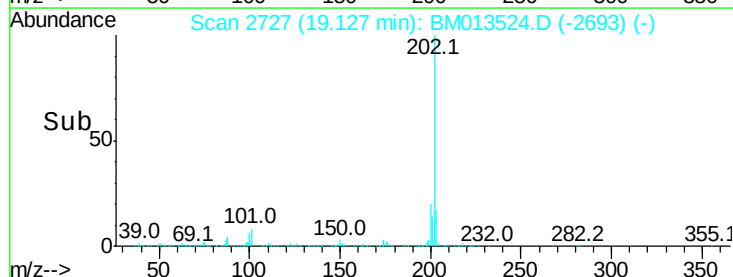
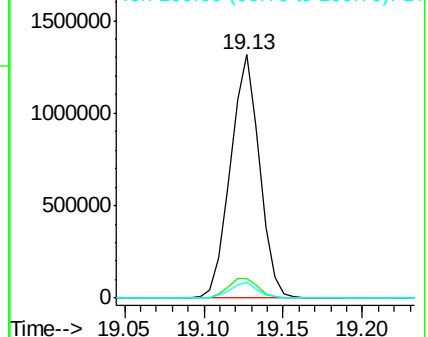
100 6.5 3.4 5.2#

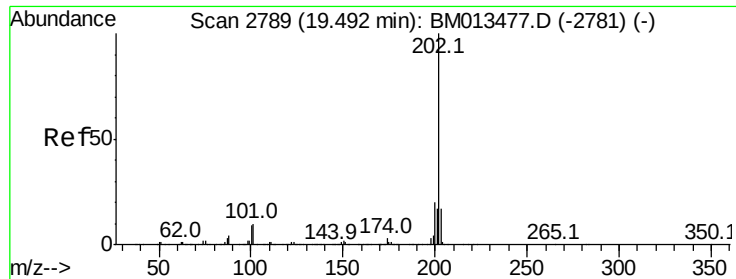


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 18.735 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Instrument :

BNA_M

ClientSampled :

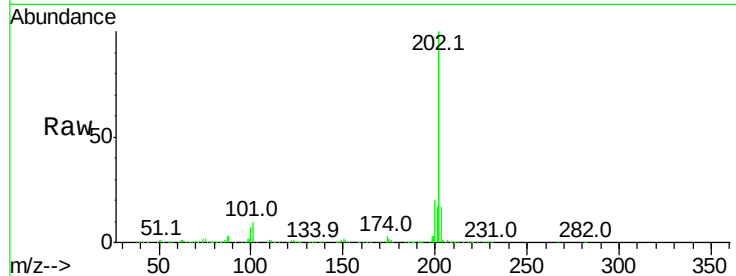
Tot Ion:202 Resp: 1073133

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

100 7.1 4.9 7.3

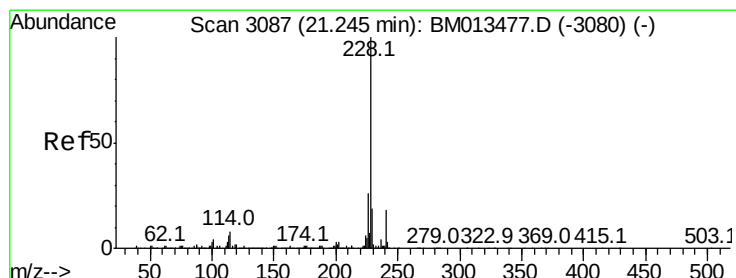
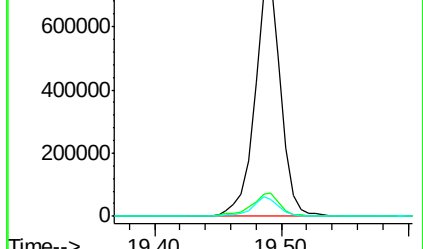
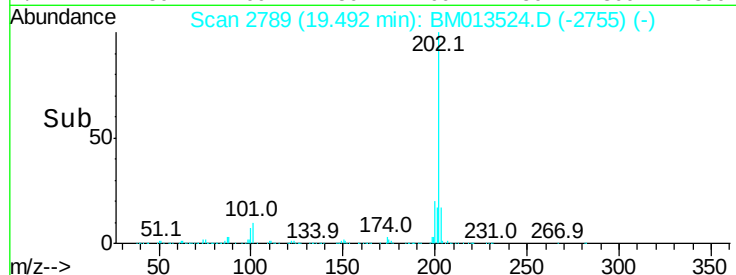


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 3.424 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

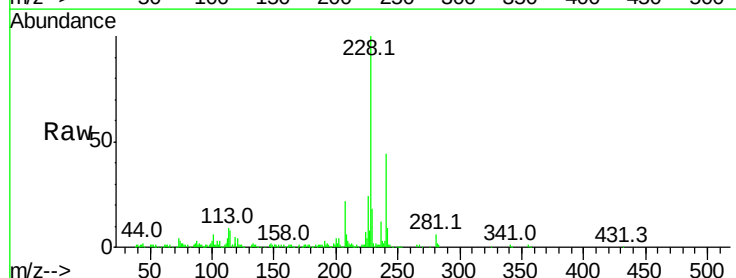
Tgt Ion:228 Resp: 204832

Ion Ratio Lower Upper

228 100

229 17.9 15.4 23.0

226 24.3 21.4 32.0

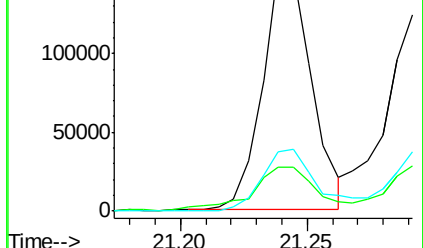
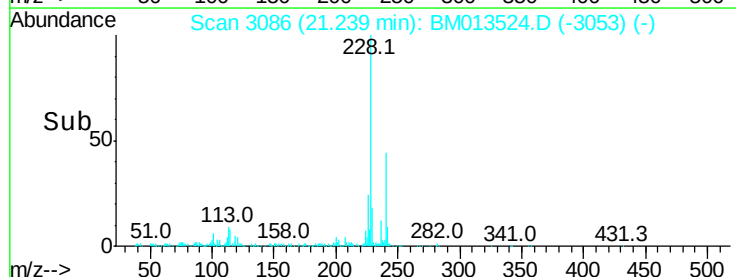


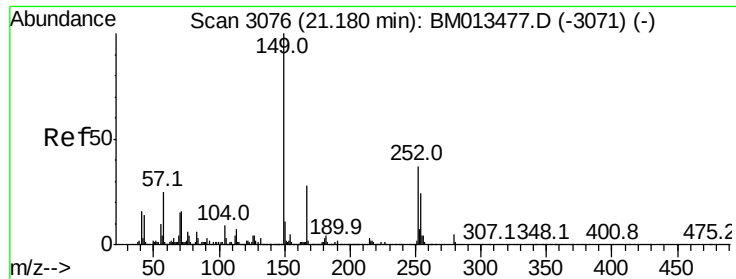
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.204 ng/ul

RT: 21.17 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Instrument :

BNA_M

ClientSampleId :

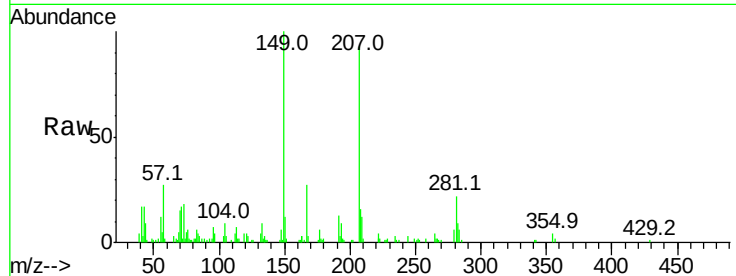
Tot Ion:149 Resp: 40627

Ion Ratio Lower Upper

149 100

167 27.1 22.8 34.2

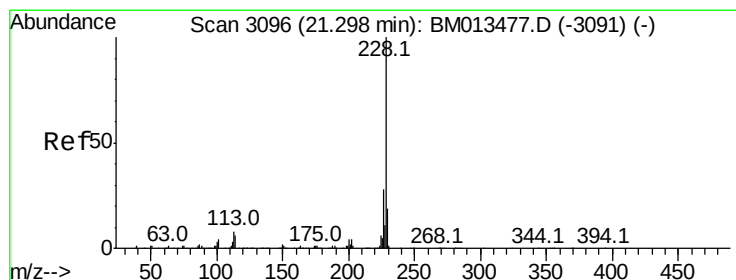
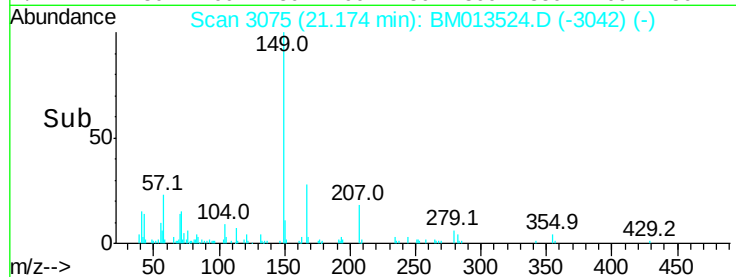
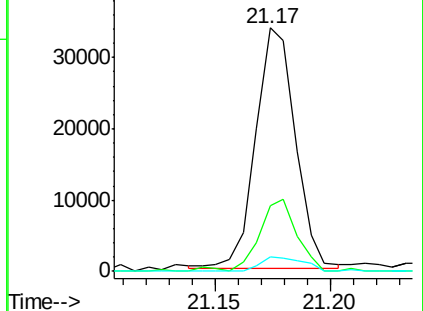
279 5.9 4.9 7.3



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



#82

Chrysene

Concen: 3.240 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

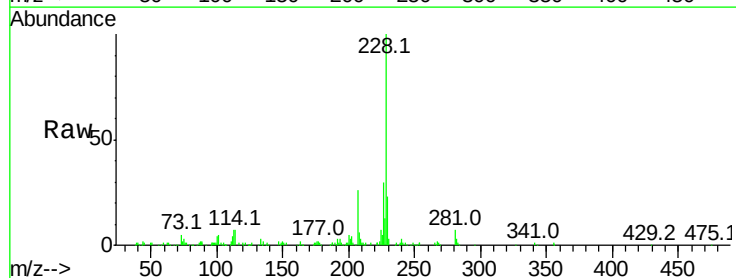
Tgt Ion:228 Resp: 179825

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

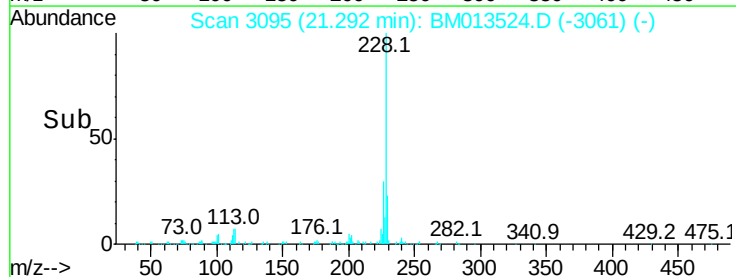
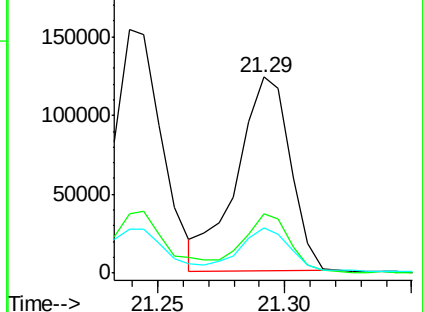
229 23.0 15.5 23.3

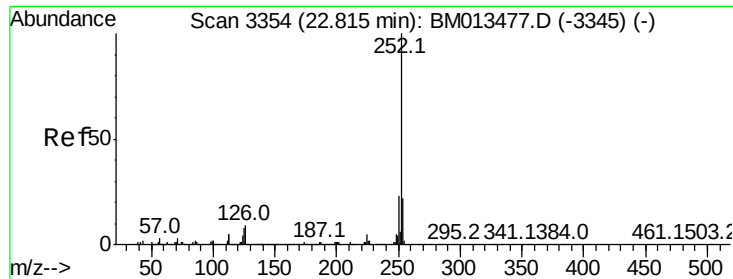


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.661 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Instrument :

BNA_M

ClientSampleId :

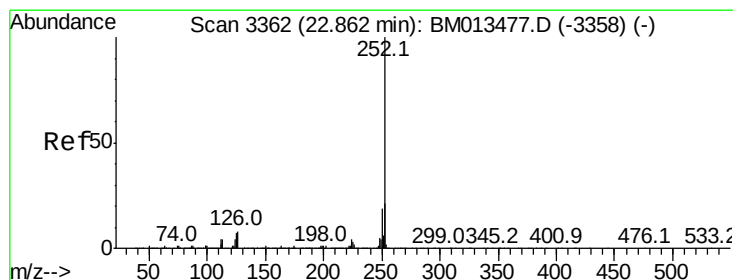
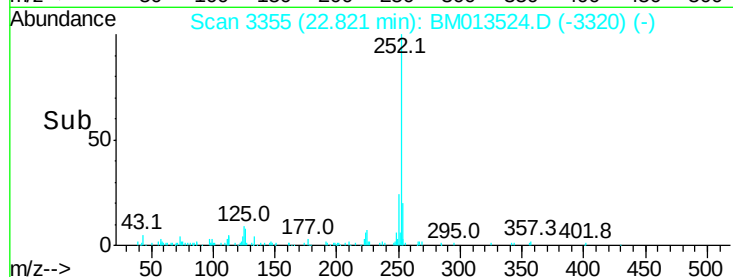
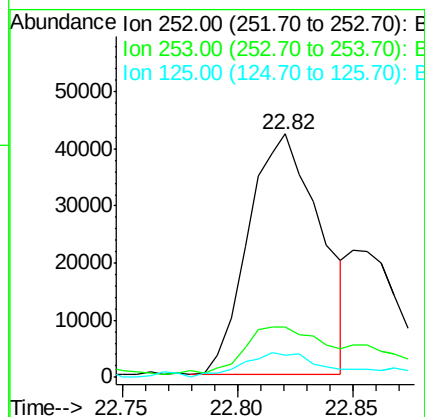
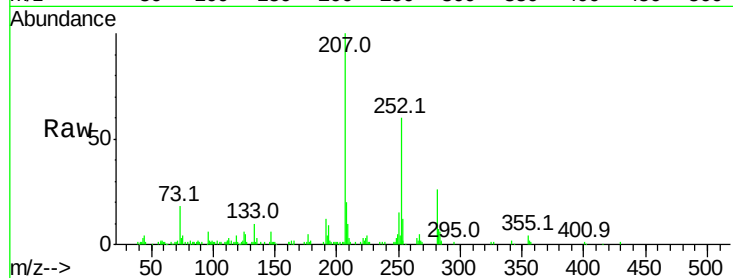
Tot Ion:252 Resp: 91348

Ion Ratio Lower Upper

252 100

253 20.6 17.9 26.9

125 9.2 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 1.765 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BM013524.D

Acq: 20 Dec 2017 10:16

Tgt Ion:252 Resp: 91348

Ion Ratio Lower Upper

252 100

253 20.6 17.1 25.7

125 9.2 3.4 5.2#

