

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121716\
 Data File : BM008377.D
 Acq On : 16 Dec 2016 17:25
 Operator : UM/SJ
 Sample : H6039-24
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8Q9

Quant Time: Dec 17 02:17:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 02:12:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	127486	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	497200	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	329895	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	660493	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	848928	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	850882	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	16321	6.02	ng/uL	0.00
5) Phenol-d5	6.85	99	322735	32.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	185800	32.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	254812	34.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	258215	33.71	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	124803	34.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	140973	35.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	251360	34.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	312090	37.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	801426	36.55	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	962723	37.15	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	80292	24.85	ng/ul	0.01
57) Fluorene-d10	15.30	176	675530	35.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	114320	29.08	ng/ul	0.00
70) Anthracene-d10	17.16	188	1094058	38.02	ng/ul	0.00
76) Pyrene-d10	19.46	212	1283628	39.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1334476	37.35	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.88	94	191635	18.66	ng/ul	97
10) 2-Chlorophenol	7.23	128	148926	19.81	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.19	45	244355	28.03	ng/ul	99
17) Hexachloroethane	8.72	117	65107	19.00	ng/ul	90
27) 2,4-Dichlorophenol	10.10	162	140518	19.11	ng/ul	95
28) Naphthalene	10.49	128	478246	20.32	ng/ul	99
30) 4-Chloroaniline	10.49	127	62162	7.37	ng/ul#	14
31) Hexachlorobutadiene	10.76	225	172545	28.87	ng/ul	97
45) 2,6-Dinitrotoluene	13.90	165	131138	31.32	ng/ul	94
49) Acenaphthene	14.37	153	371990	20.52	ng/ul	100
54) 2,4-Dinitrotoluene	14.71	165	189673	30.25	ng/ul#	69
56) Diethylphthalate	15.13	149	546087	25.54	ng/ul	100
58) Fluorene	15.36	166	436596	20.12	ng/ul	99
66) Hexachlorobenzene	16.36	284	204846	24.93	ng/ul	95
68) Pentachlorophenol	16.73	266	190065	42.76	ng/ul	96
69) Phenanthrene	17.19	178	631493	18.66	ng/ul	99
71) Anthracene	17.19	178	632200	18.40	ng/ul	99
77) Pyrene	19.49	202	927579	22.25	ng/ul	98
78) Butylbenzylphthalate	20.39	149	712141	47.64	ng/ul	98
80) Benzo(a)anthracene	21.24	228	915719	20.87	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.16	149	847337	38.70	ng/ul	100
82) Chrysene	21.30	228	930404	22.05	ng/ul	100
85) Benzo(b)fluoranthene	22.82	252	1607365	35.00	ng/ul	100

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QLast Update : Sat Dec 17 02:12:55 2016
Response via : Initial Calibration

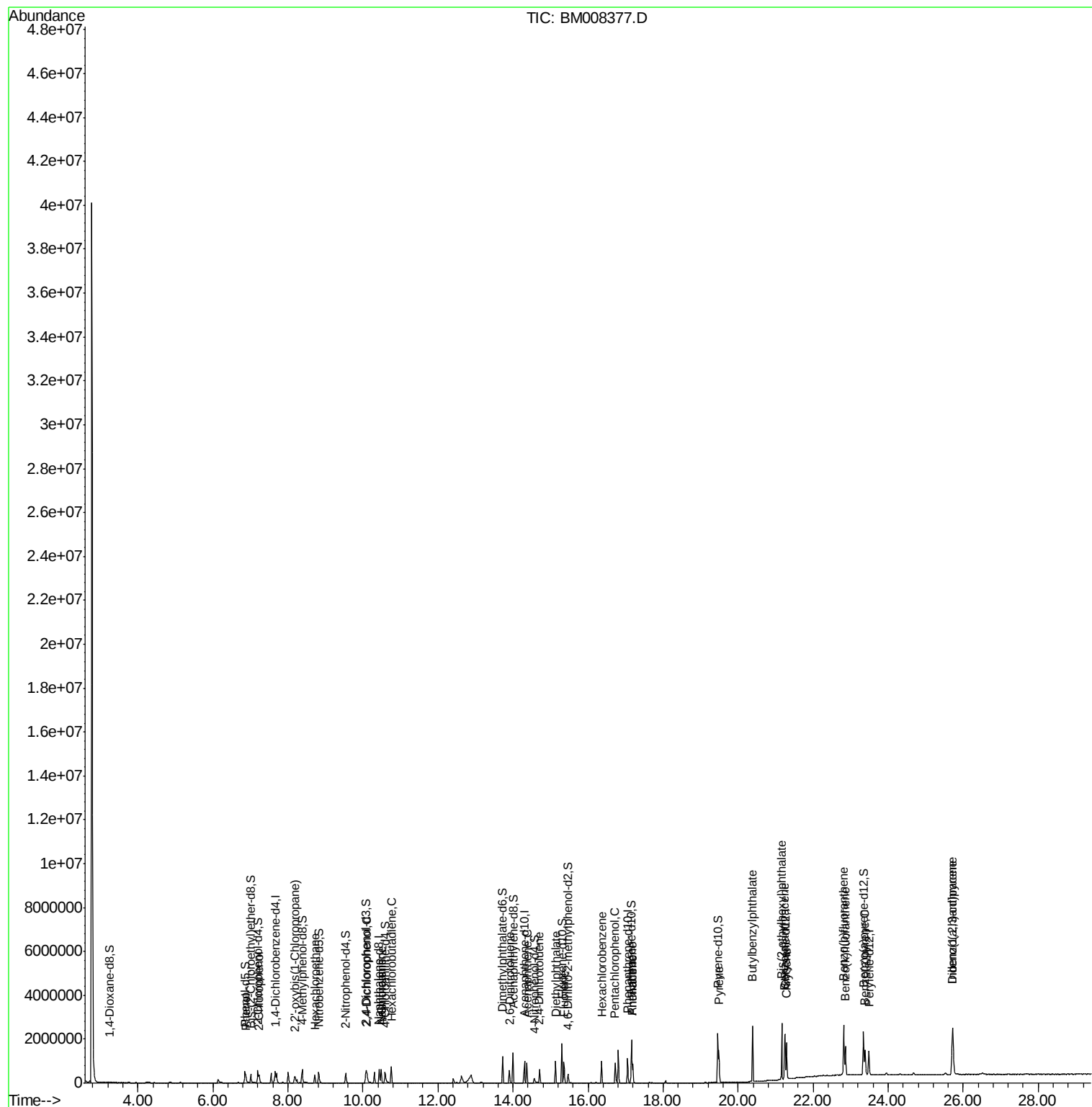
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	22.86	252	950142	21.62	ng/ul	99
88) Benzo(a)pyrene	23.39	252	895766	20.24	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.72	276	1627884	30.30	ng/ul	99
90) Dibenzo(a,h)anthracene	25.73	278	1206158	26.73	ng/ul	100

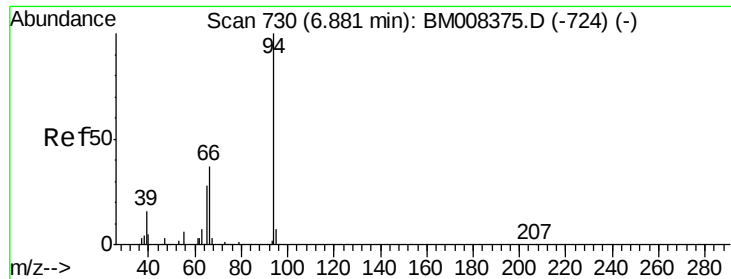
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 18.66 ng/ul

RT: 6.88 min Scan# 730

Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

Instrument :

BNA_M

ClientSampleId :

DA8Q9

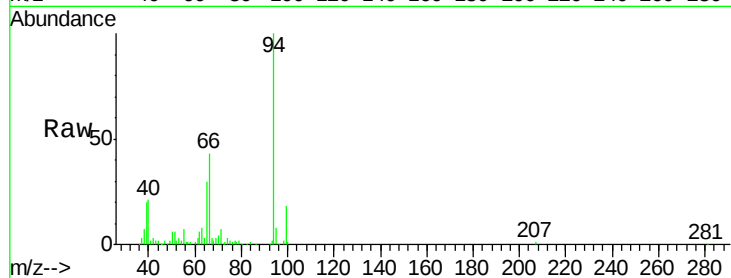
Tgt Ion: 94 Resp: 191635

Ion Ratio Lower Upper

94 100

65 29.7 22.6 34.0

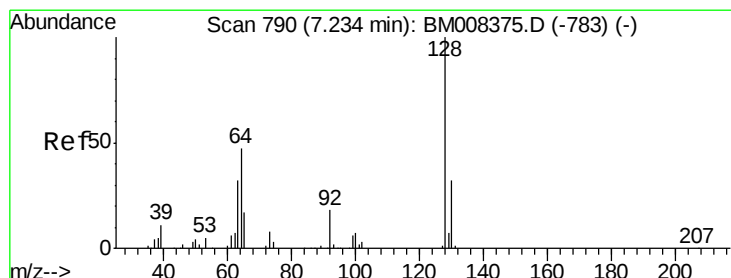
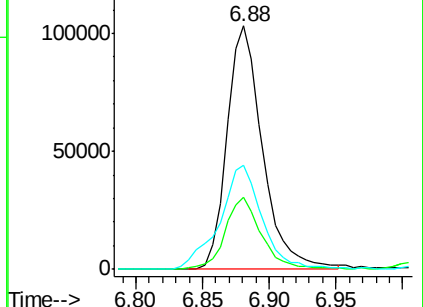
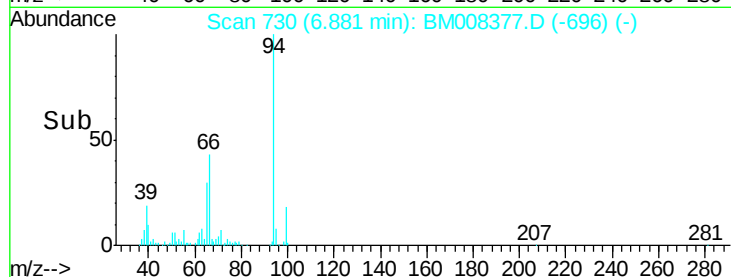
66 42.8 35.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BM008377.D (-696) (-)

Ion 65.00 (64.70 to 65.70): BM008377.D (-696) (-)

Ion 66.00 (65.70 to 66.70): BM008377.D (-696) (-)



#10

2-Chlorophenol

Concen: 19.81 ng/ul

RT: 7.23 min Scan# 790

Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

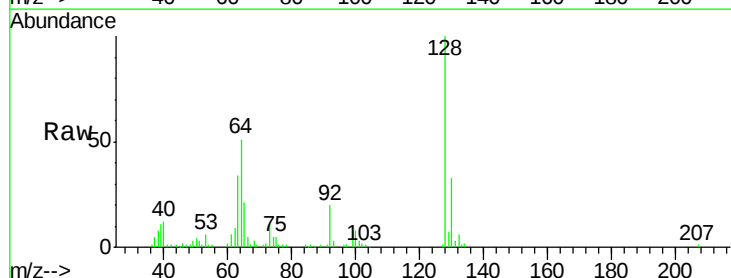
Tgt Ion: 128 Resp: 148926

Ion Ratio Lower Upper

128 100

64 50.6 40.0 60.0

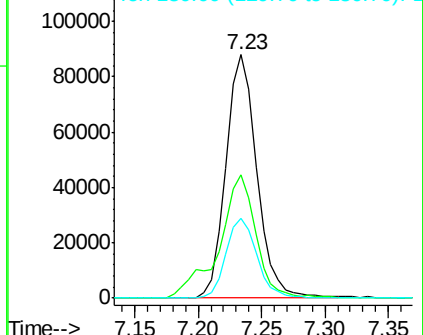
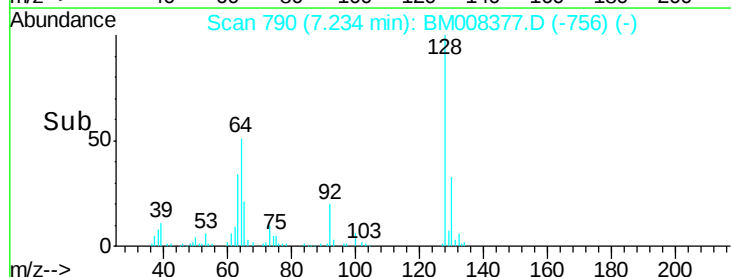
130 32.7 25.6 38.4

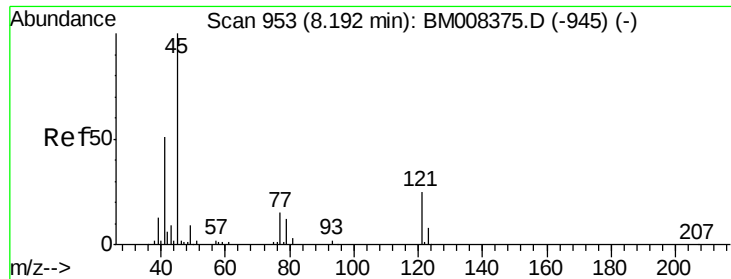


Abundance Ion 128.00 (127.70 to 128.70): BM008377.D (-756) (-)

Ion 64.00 (63.70 to 64.70): BM008377.D (-756) (-)

Ion 130.00 (129.70 to 130.70): BM008377.D (-756) (-)

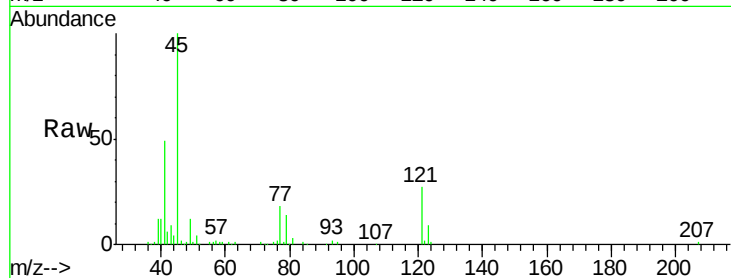




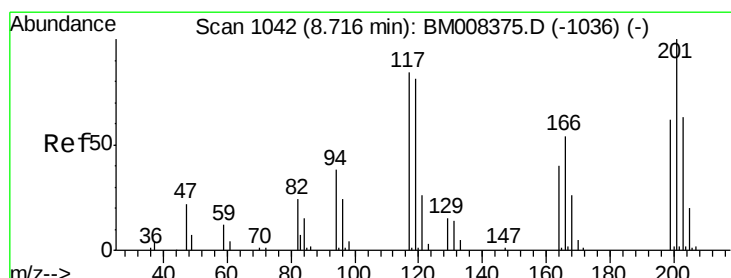
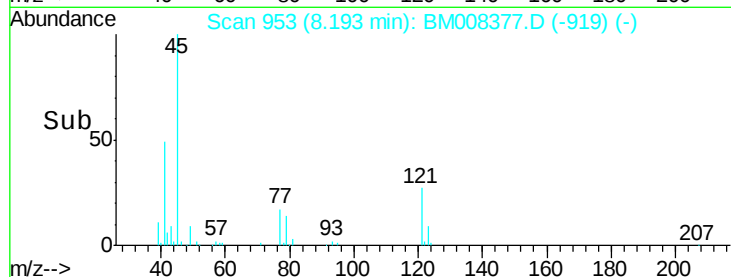
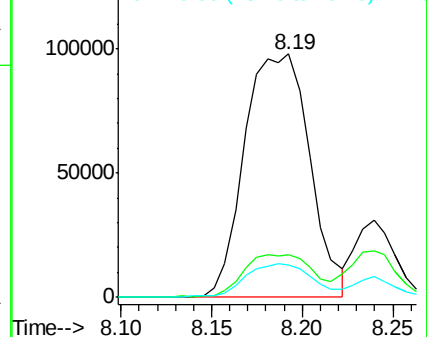
#12
2,2'-oxybis(1-Chloropropane)
Concen: 28.03 ng/ul
RT: 8.19 min Scan# 953
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Instrument :
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DA8Q9

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.8	14.4	21.6
79	13.6	11.1	16.7

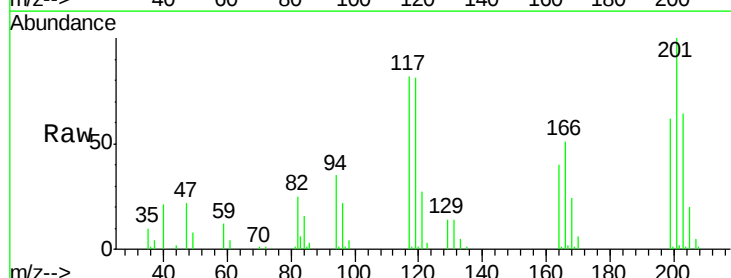


Abundance Ion 45.00 (44.70 to 45.70): BM008377.D (-919) (-)

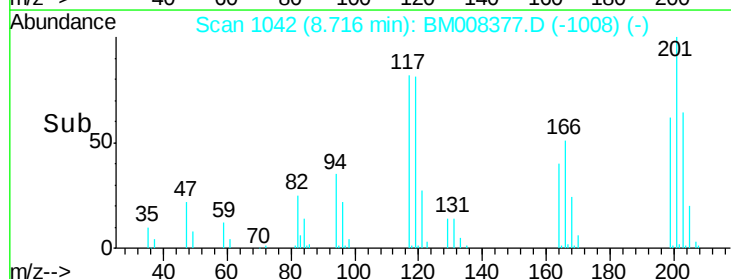
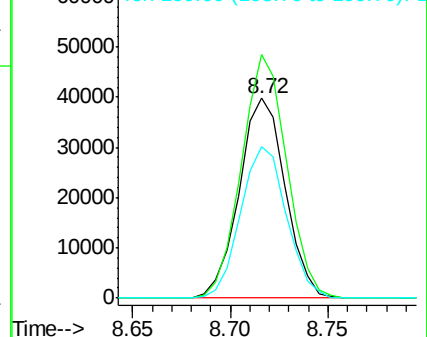


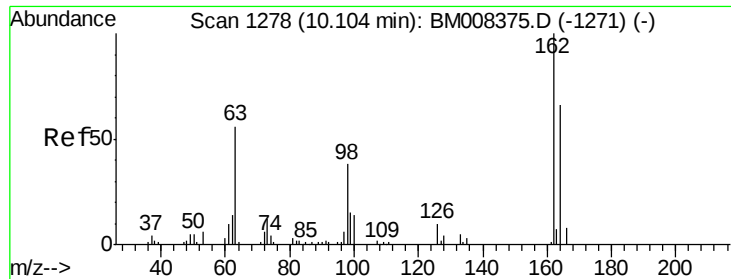
#17
Hexachloroethane
Concen: 19.00 ng/ul
RT: 8.72 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	121.8	88.1	132.1
199	75.5	54.9	82.3



Abundance Ion 117.00 (116.70 to 117.70): BM008377.D (-1008) (-)

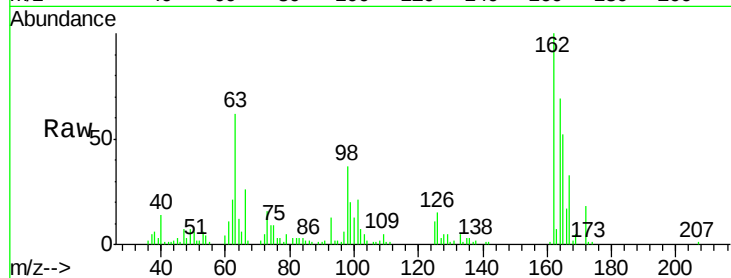




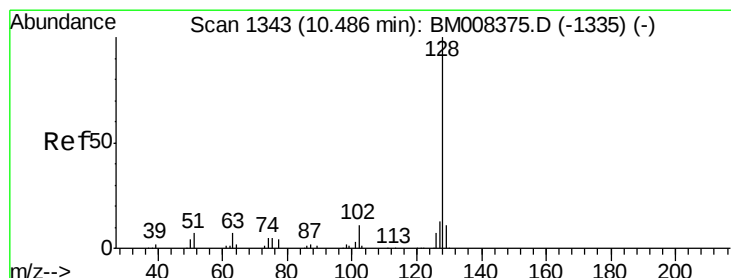
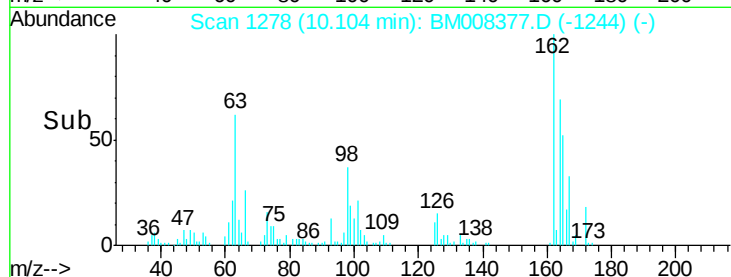
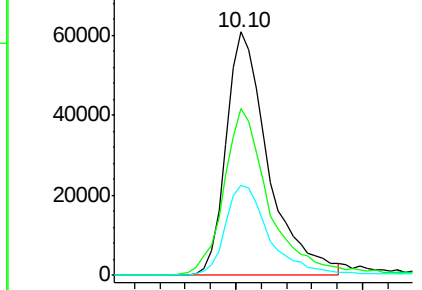
#27
 2,4-Dichlorophenol
 Concen: 19.11 ng/ul
 RT: 10.10 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

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Tgt Ion:	162	Resp:	140518
Ion	Ratio	Lower	Upper
162	100		
164	68.7	50.4	75.6
98	37.2	29.1	43.7

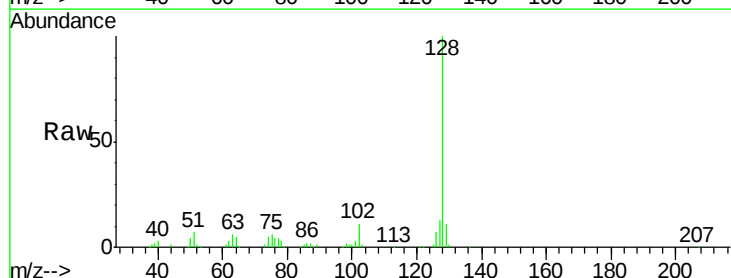


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

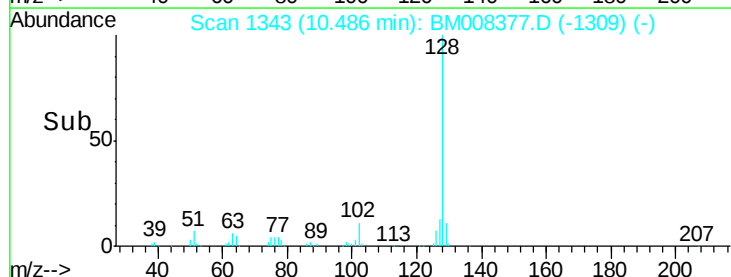
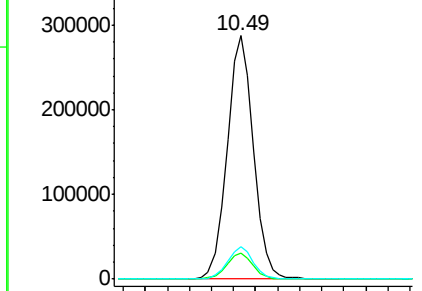


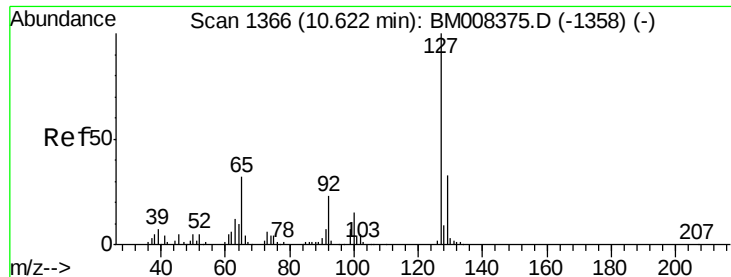
#28
 Naphthalene
 Concen: 20.32 ng/ul
 RT: 10.49 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Tgt Ion:	128	Resp:	478246
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.2	10.4	15.6



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

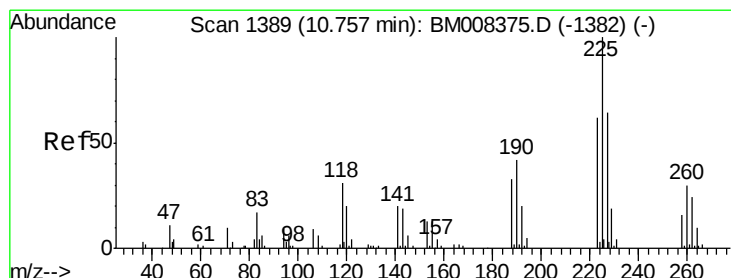
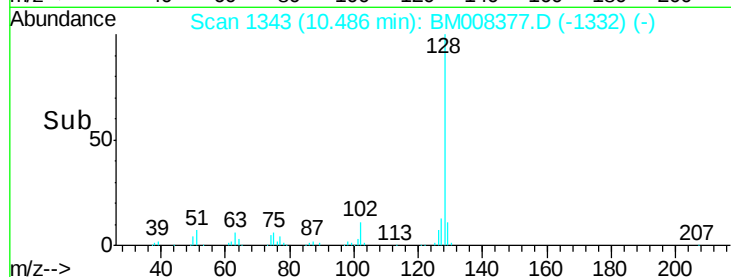
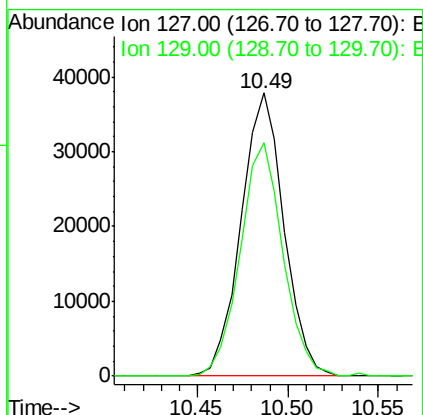
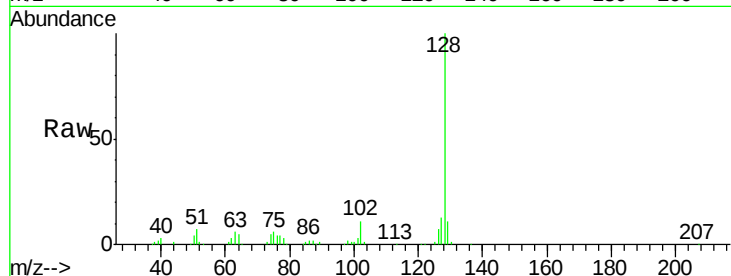




#30
4-Chloroaniline
Concen: 7.37 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.14 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

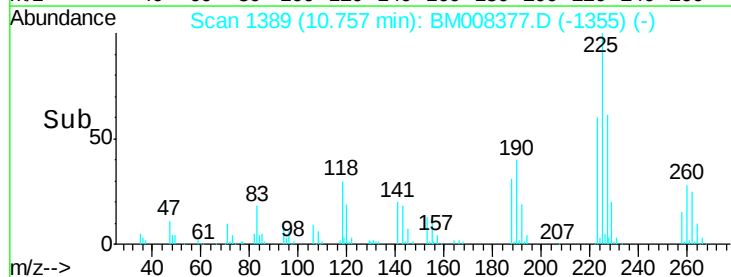
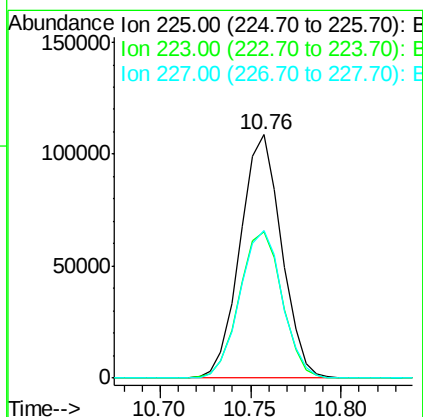
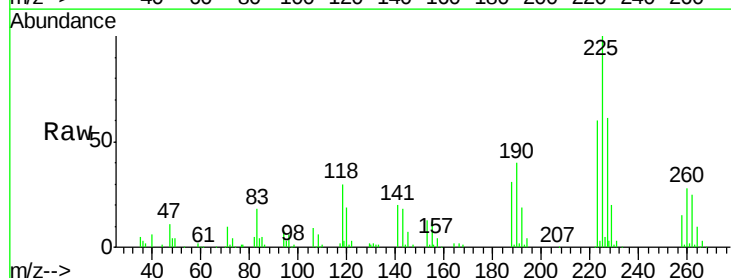
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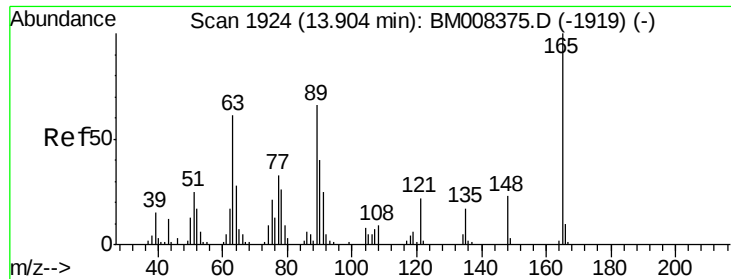
Tgt Ion:127 Resp: 62162
Ion Ratio Lower Upper
127 100
129 82.7 26.8 40.2#



#31
Hexachlorobutadiene
Concen: 28.87 ng/ul
RT: 10.76 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Tgt Ion:225 Resp: 172545
Ion Ratio Lower Upper
225 100
223 60.4 47.7 71.5
227 60.7 51.0 76.6

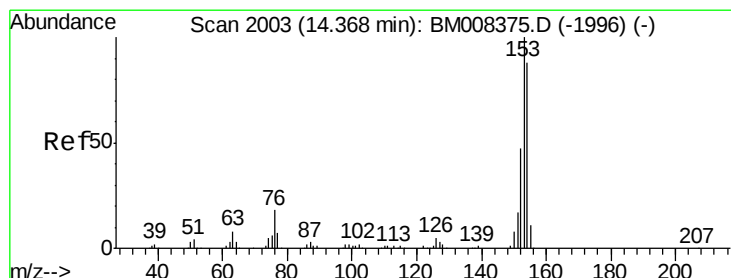
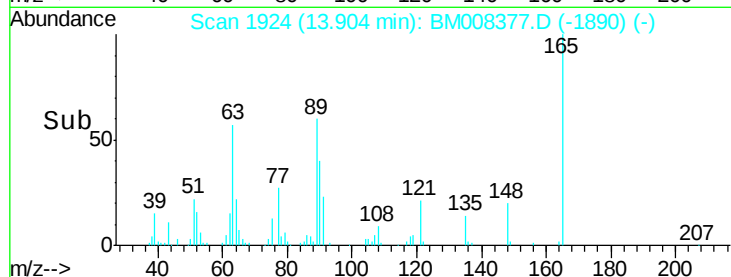
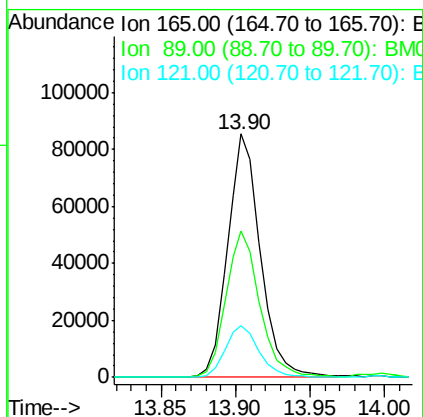
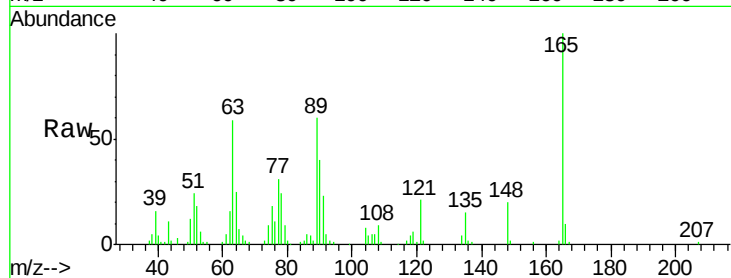




#45
 2,6-Dinitrotoluene
 Concen: 31.32 ng/ul
 RT: 13.90 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

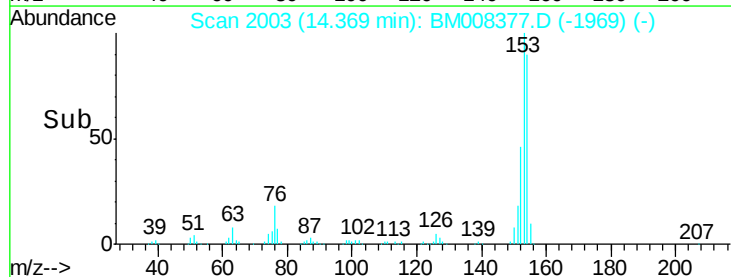
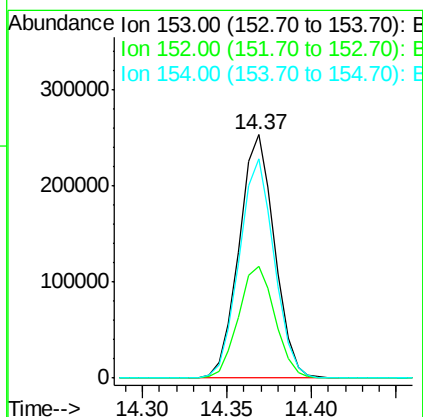
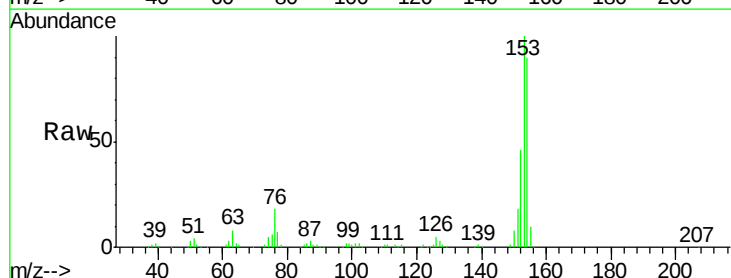
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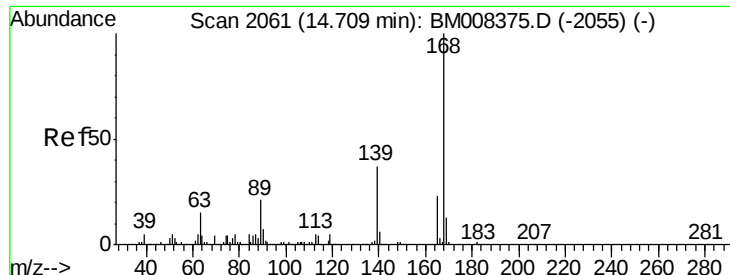
Tgt Ion:165 Resp: 131138
 Ion Ratio Lower Upper
 165 100
 89 60.2 52.0 78.0
 121 21.0 18.6 27.8



#49
 Acenaphthene
 Concen: 20.52 ng/ul
 RT: 14.37 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Tgt Ion:153 Resp: 371990
 Ion Ratio Lower Upper
 153 100
 152 45.7 36.6 54.8
 154 89.9 71.4 107.2

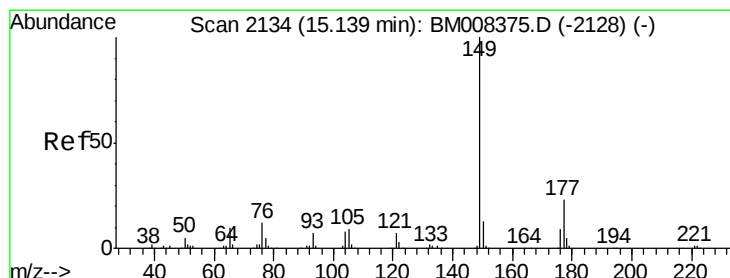
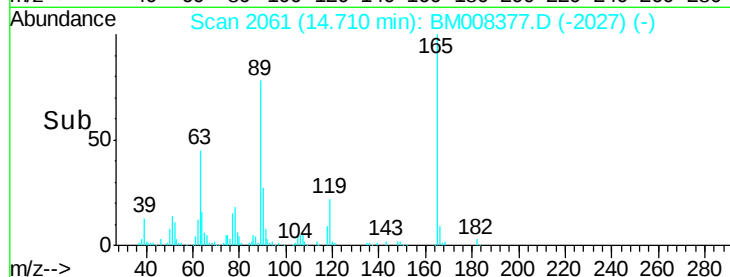
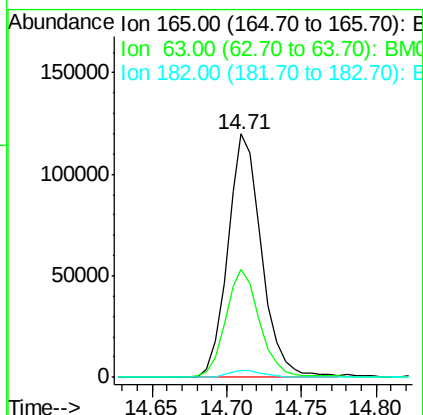
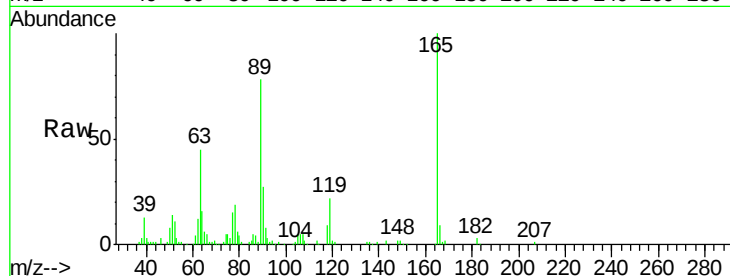




#54
2,4-Dinitrotoluene
Concen: 30.25 ng/ul
RT: 14.71 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

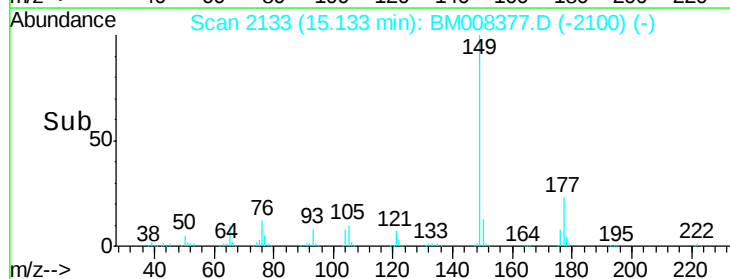
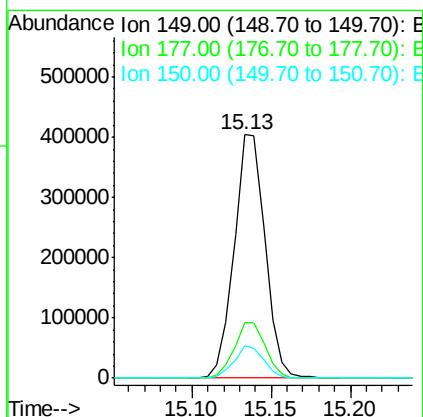
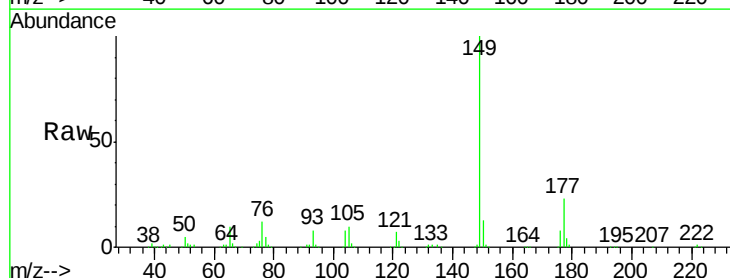
Instrument :
BNA_M
ClientSampleId :
DA8Q9

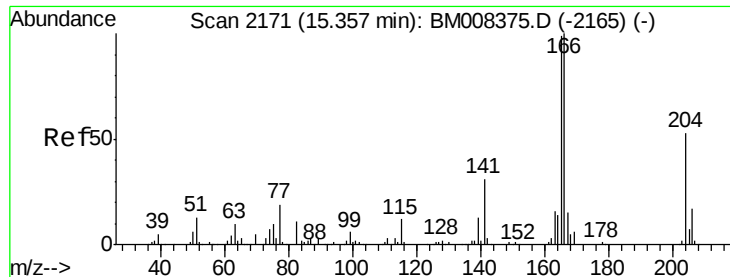
Tgt Ion:165 Resp: 189673
Ion Ratio Lower Upper
165 100
63 44.5 56.8 85.2#
182 2.7 2.3 3.5



#56
Diethylphthalate
Concen: 25.54 ng/ul
RT: 15.13 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Tgt Ion:149 Resp: 546087
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 13.2 10.6 15.8





#58

Fluorene

Concen: 20.12 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

Instrument :

BNA_M

ClientSampleId :

DA8Q9

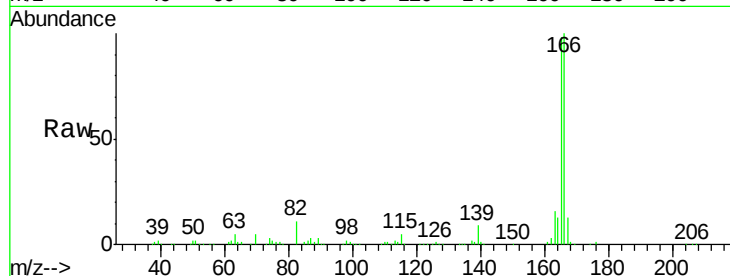
Tgt Ion:166 Resp: 436596

Ion Ratio Lower Upper

166 100

165 98.1 79.3 118.9

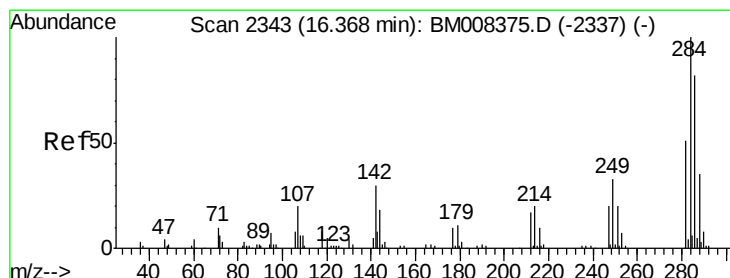
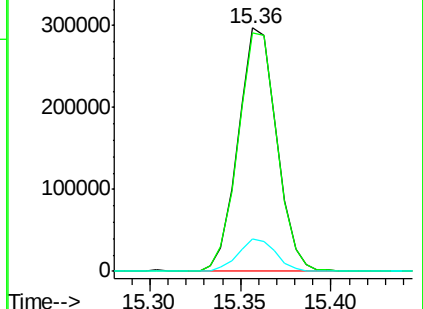
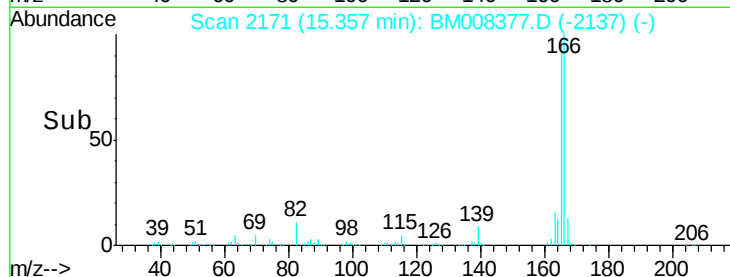
167 13.2 10.7 16.1



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



#66

Hexachlorobenzene

Concen: 24.93 ng/ul

RT: 16.36 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

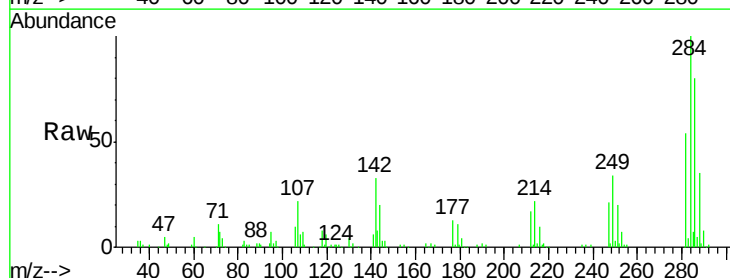
Tgt Ion:284 Resp: 204846

Ion Ratio Lower Upper

284 100

142 33.2 24.8 37.2

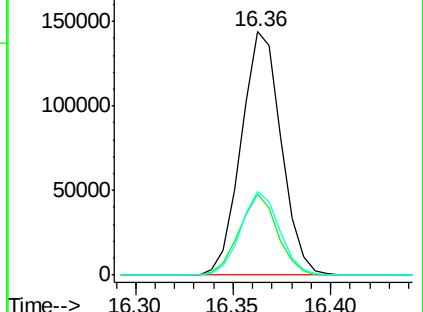
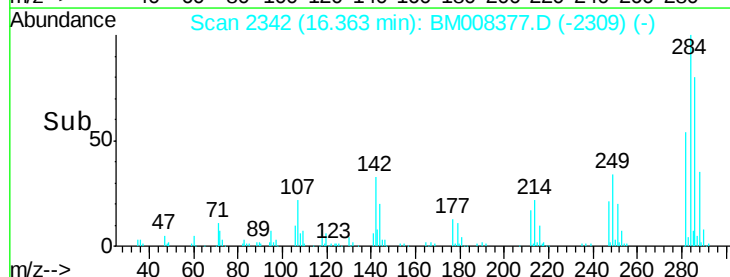
249 34.2 25.1 37.7

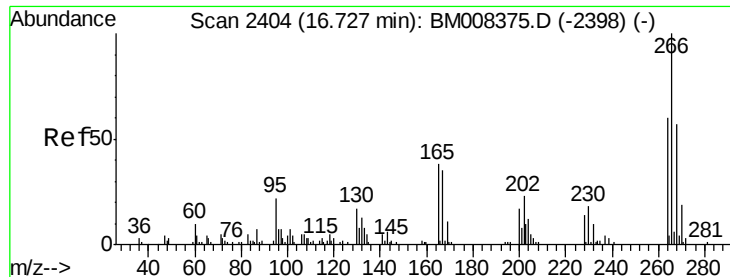


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

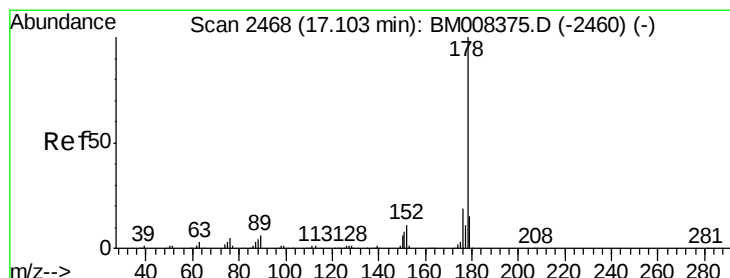
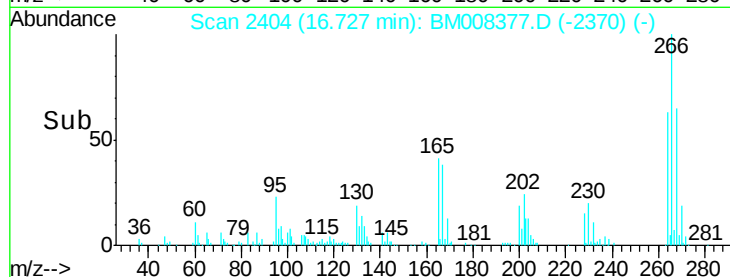
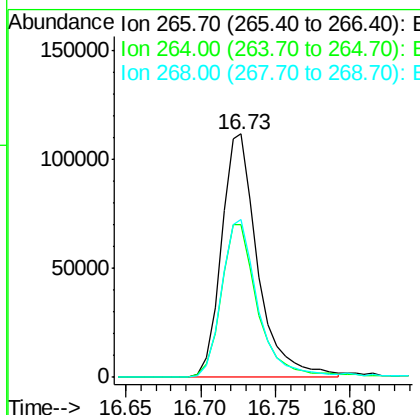
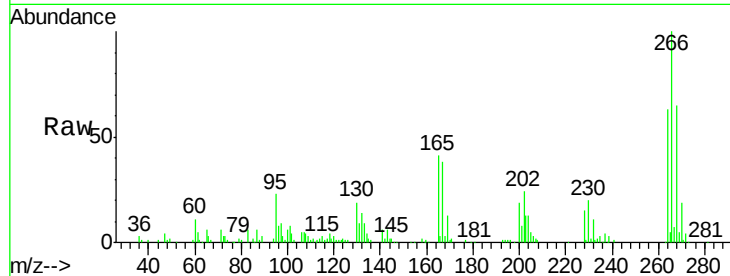




#68
 Pentachlorophenol
 Concen: 42.76 ng/ul
 RT: 16.73 min Scan# 2404
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

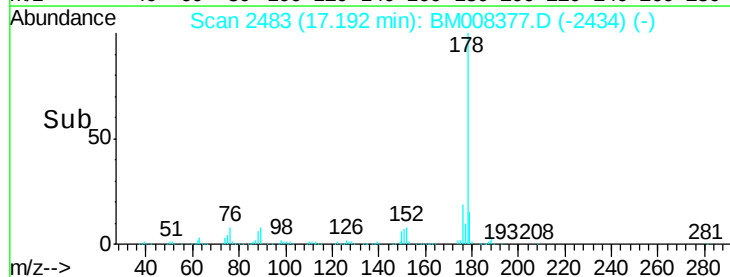
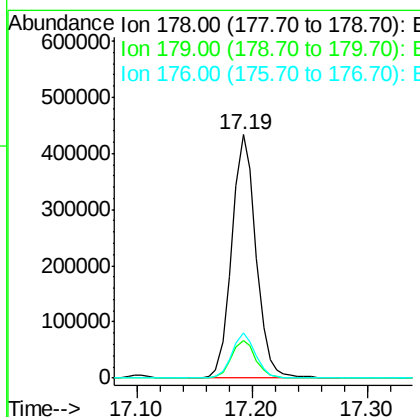
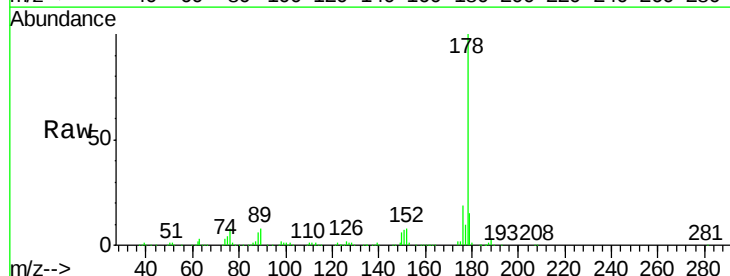
Instrument :
 BNA_M
 ClientSampleId :
 DA8Q9

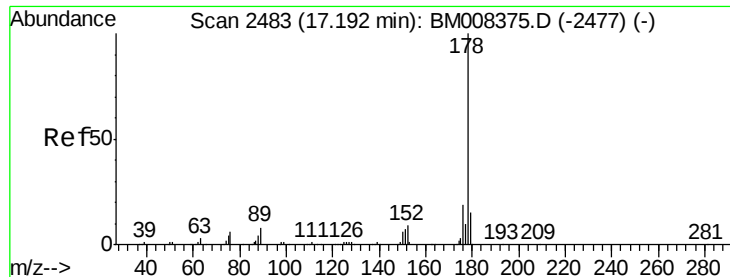
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	47.9	71.9
268	64.8	49.0	73.6



#69
 Phenanthrene
 Concen: 18.66 ng/ul
 RT: 17.19 min Scan# 2483
 Delta R.T. 0.09 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.5	14.6	21.8

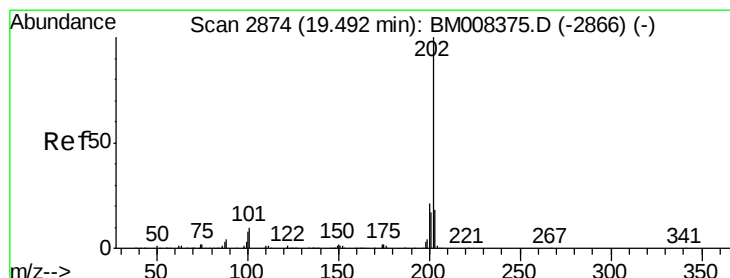
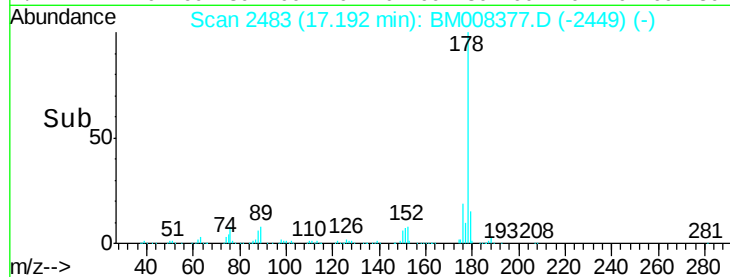
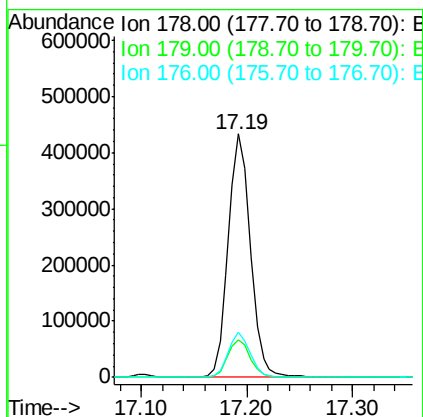
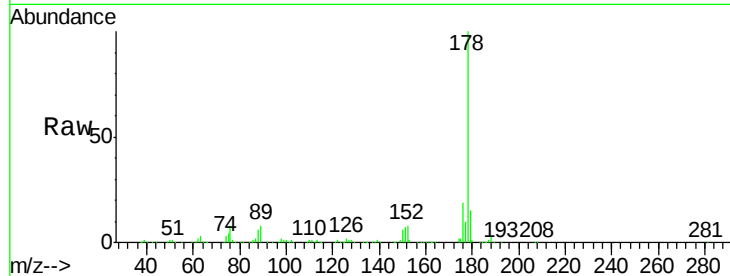




#71
 Anthracene
 Concen: 18.40 ng/ul
 RT: 17.19 min Scan# 2483
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

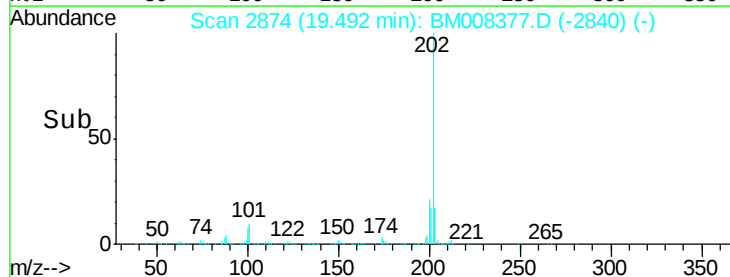
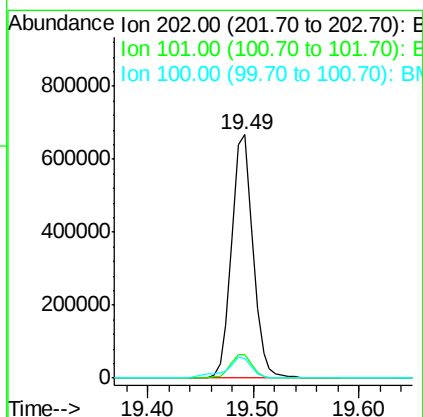
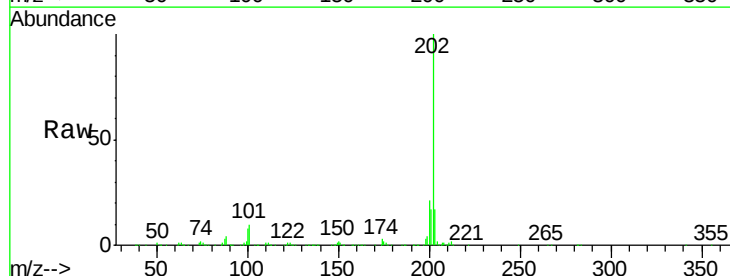
Instrument :
 BNA_M
 ClientSampleId :
 DA8Q9

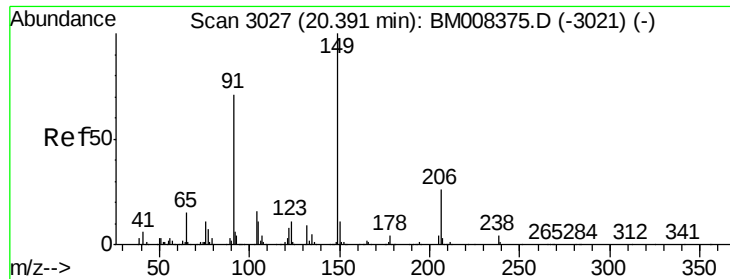
Tgt Ion:178 Resp: 632200
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.1 18.1
 176 18.5 14.3 21.5



#77
 Pyrene
 Concen: 22.25 ng/ul
 RT: 19.49 min Scan# 2874
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Tgt Ion:202 Resp: 927579
 Ion Ratio Lower Upper
 202 100
 101 9.8 8.2 12.4
 100 7.9 7.0 10.6

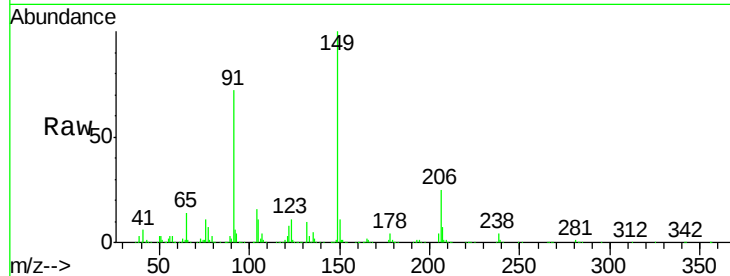




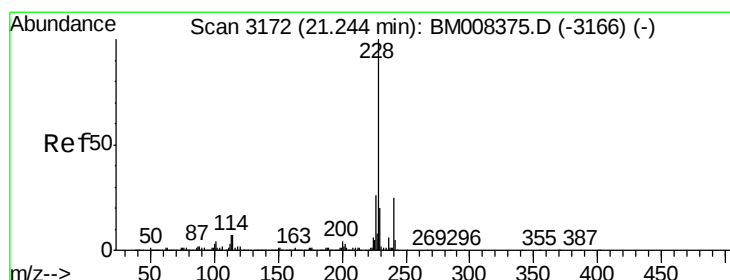
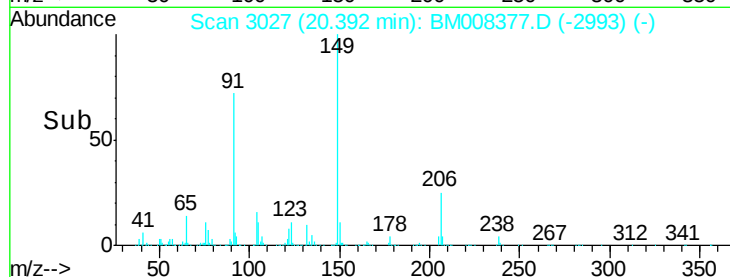
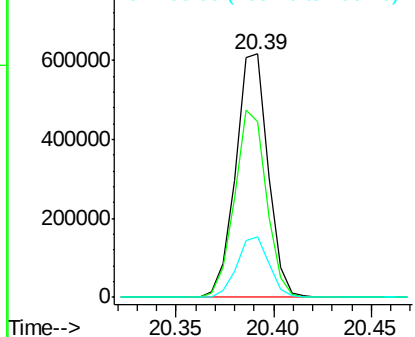
#78
Butylbenzylphthalate
Concen: 47.64 ng/ul
RT: 20.39 min Scan# 3027
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Instrument :
BNA_M
ClientSampleId :
DA8Q9

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.4	59.3	88.9
206	24.9	20.0	30.0

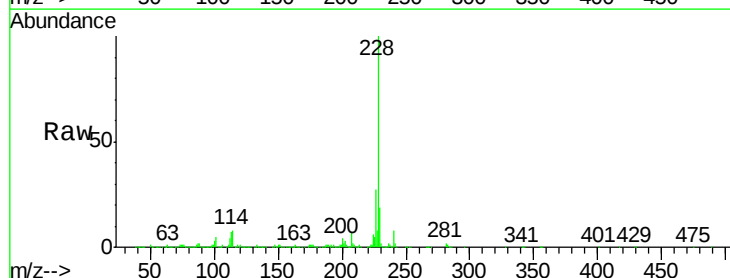


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E

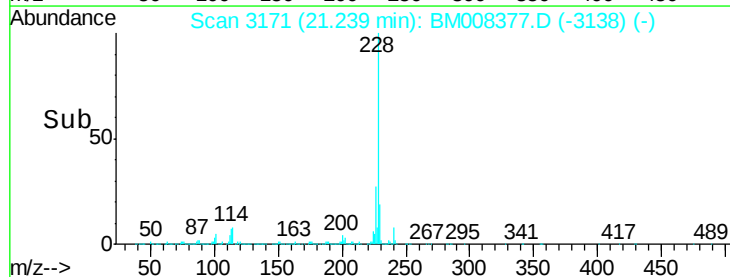
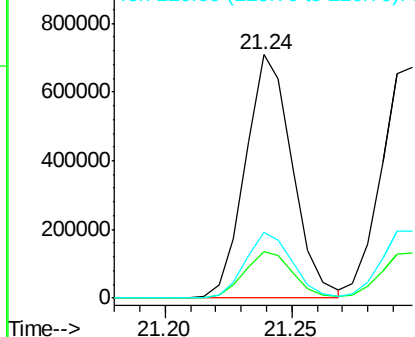


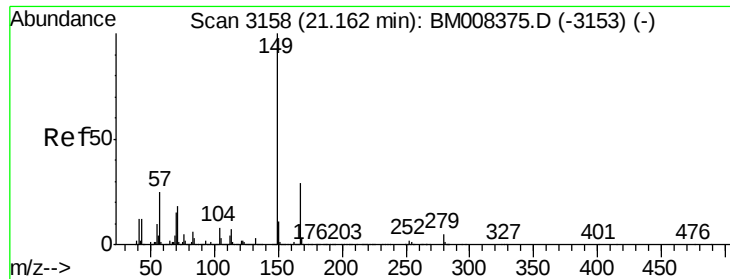
#80
Benzo(a)anthracene
Concen: 20.87 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.4	23.2
226	27.1	21.2	31.8



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

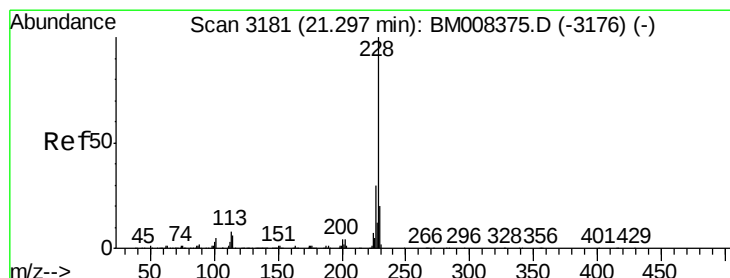
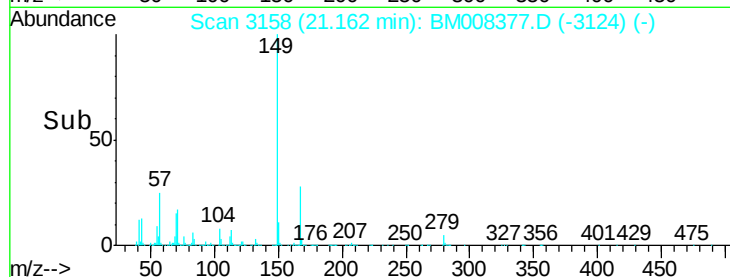
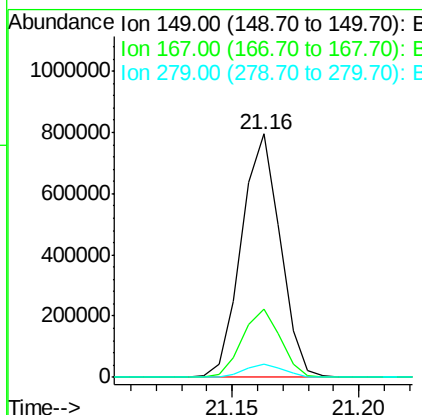
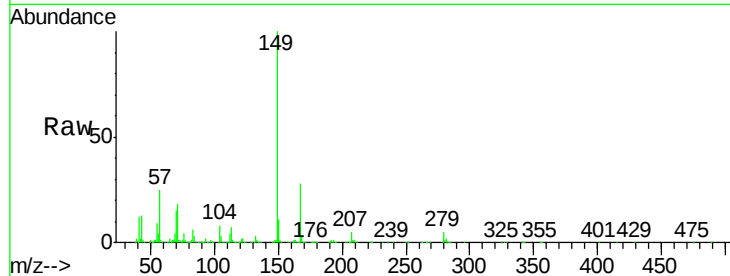




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 38.70 ng/ul
 RT: 21.16 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

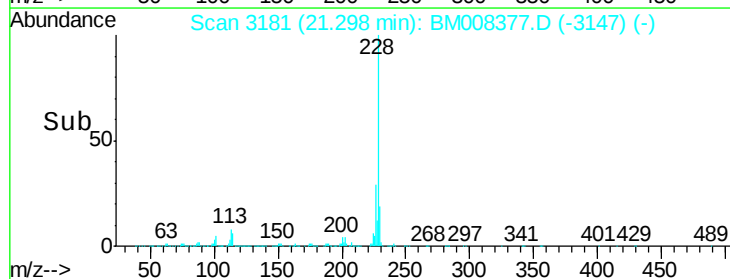
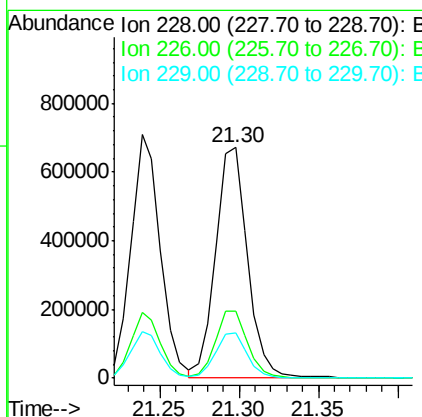
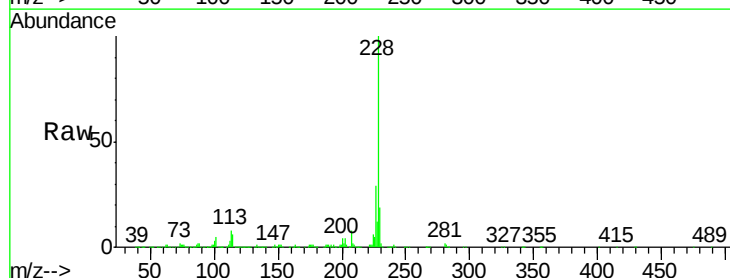
Instrument :
 BNA_M
 ClientSampleId :
 DA8Q9

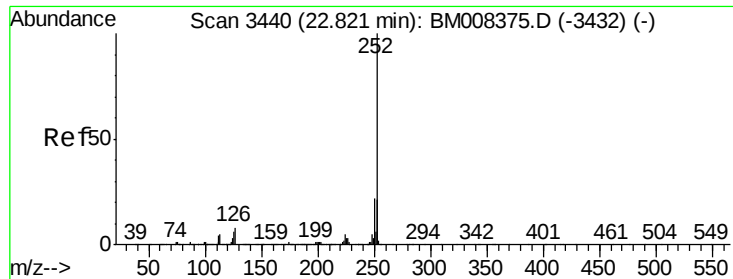
Tgt Ion:149 Resp: 847337
 Ion Ratio Lower Upper
 149 100
 167 28.3 22.6 34.0
 279 5.4 4.2 6.4



#82
 Chrysene
 Concen: 22.05 ng/ul
 RT: 21.30 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Tgt Ion:228 Resp: 930404
 Ion Ratio Lower Upper
 228 100
 226 29.2 23.1 34.7
 229 19.5 15.4 23.2





#85

Benzo(b)fluoranthene

Concen: 35.00 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. -0.01 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

Instrument :

BNA_M

ClientSampleId :

DA8Q9

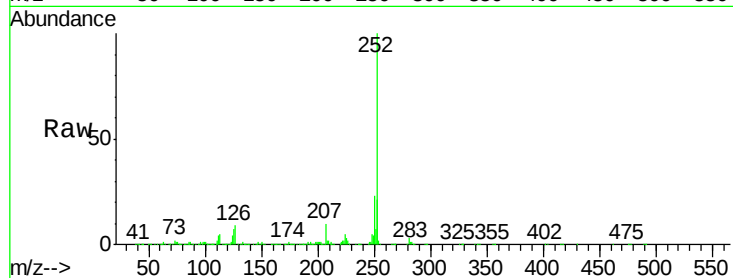
Tgt Ion:252 Resp: 1607365

Ion Ratio Lower Upper

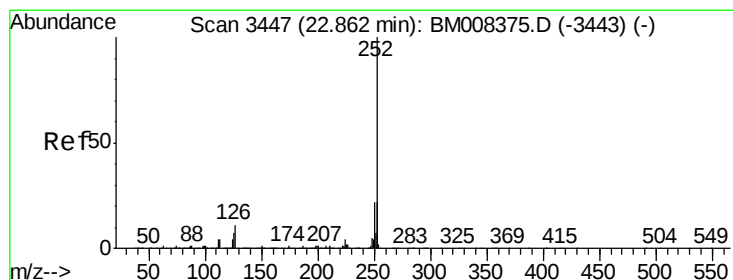
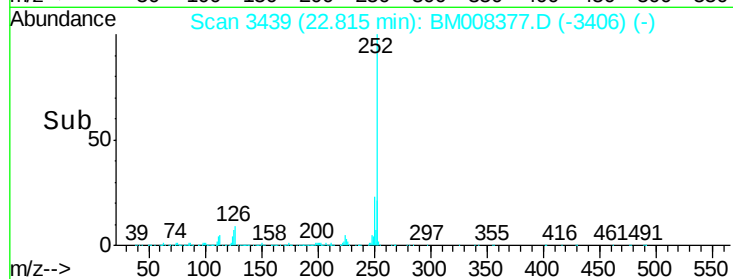
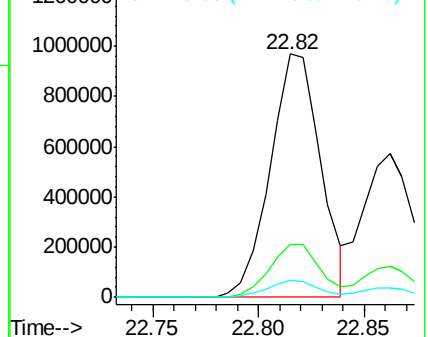
252 100

253 21.5 17.1 25.7

125 6.9 5.4 8.2



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



#86

Benzo(k)fluoranthene

Concen: 21.62 ng/ul

RT: 22.86 min Scan# 3447

Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

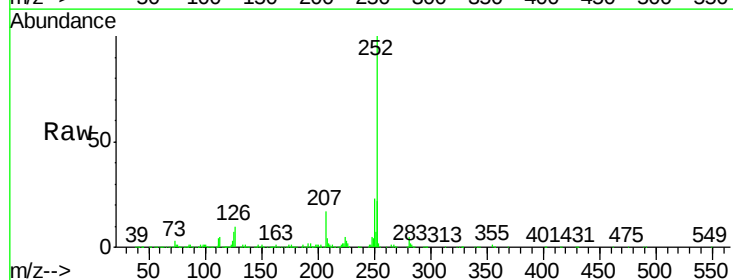
Tgt Ion:252 Resp: 950142

Ion Ratio Lower Upper

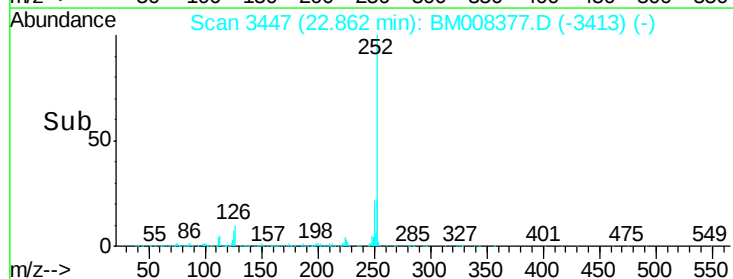
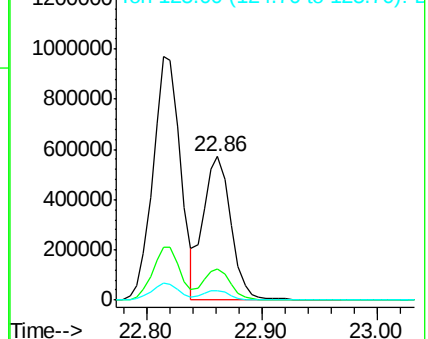
252 100

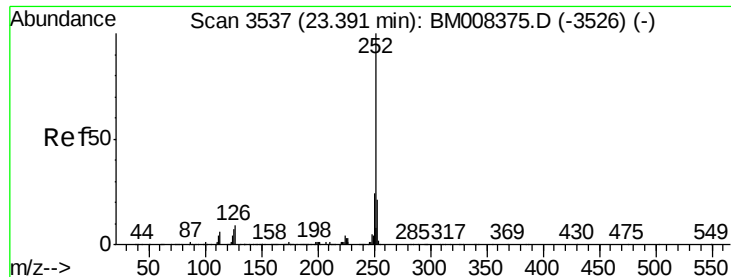
253 21.9 17.6 26.4

125 6.6 5.8 8.6



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(a)pyrene

Concen: 20.24 ng/ul

RT: 23.39 min Scan# 3536

Delta R.T. -0.01 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

Instrument :

BNA_M

ClientSampleId :

DA8Q9

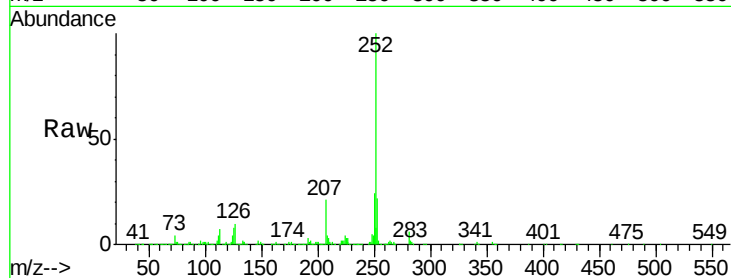
Tgt Ion:252 Resp: 895766

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 7.6 6.6 9.8

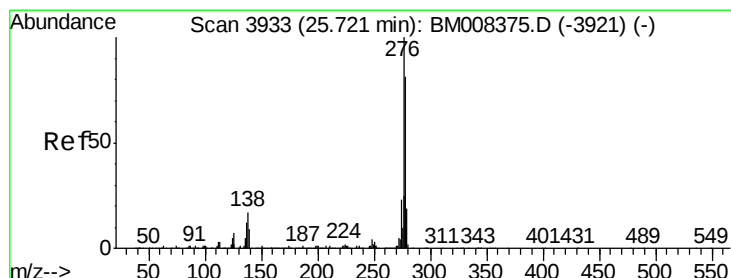
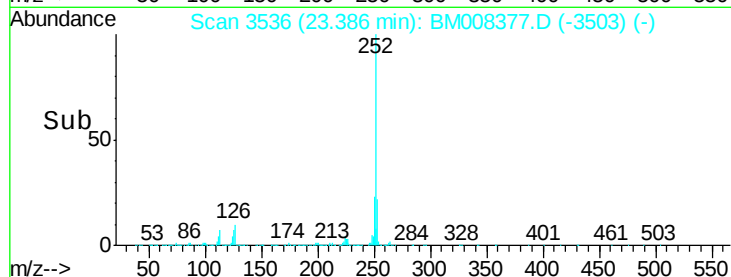
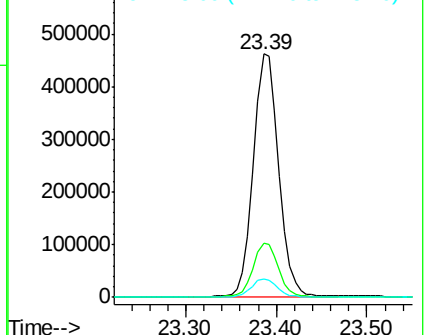


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 30.30 ng/ul

RT: 25.72 min Scan# 3933

Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

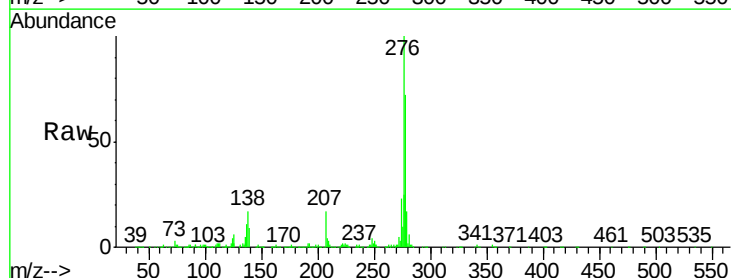
Tgt Ion:276 Resp: 1627884

Ion Ratio Lower Upper

276 100

138 17.2 13.4 20.2

277 25.0 19.7 29.5

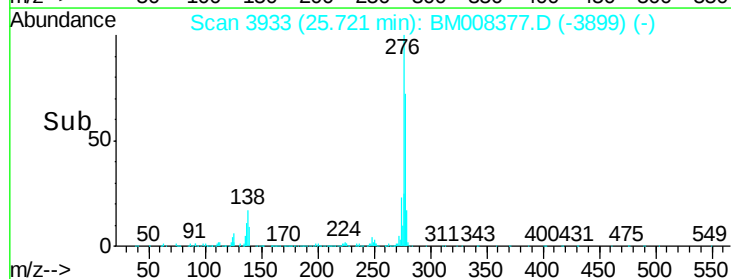
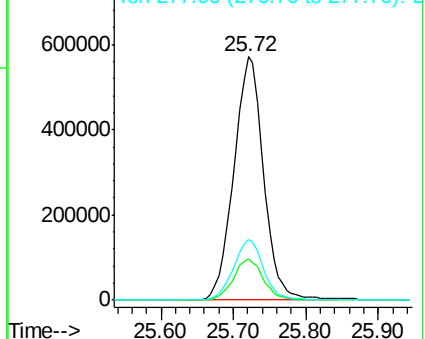


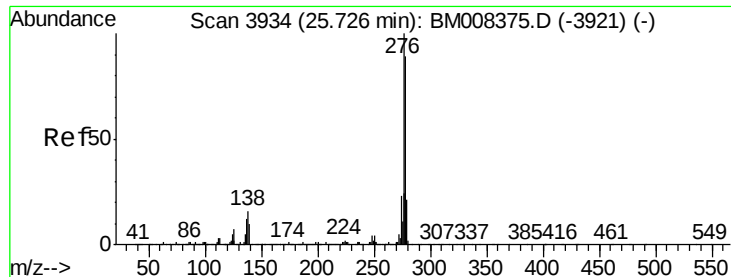
Abundance

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





#90

Dibenzo(a,h)anthracene

Concen: 26.73 ng/ul

RT: 25.73 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

Instrument :

BNA_M

ClientSampleId :

DA8Q9

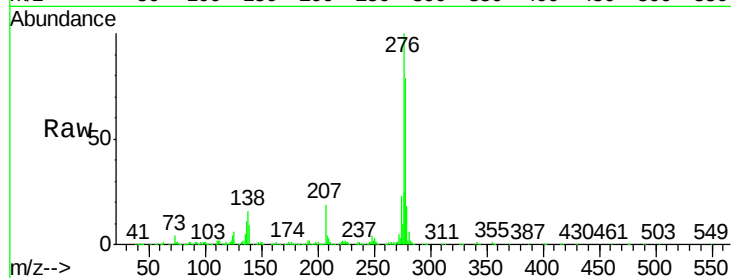
Tgt Ion:278 Resp: 1206158

Ion Ratio Lower Upper

278 100

139 11.7 9.4 14.0

279 23.0 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

