

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

Manual Integrations
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Quant Time: Dec 17 02:25:01 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121
 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	97426m	30.16	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

					Ovalue
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
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
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
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

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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)
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

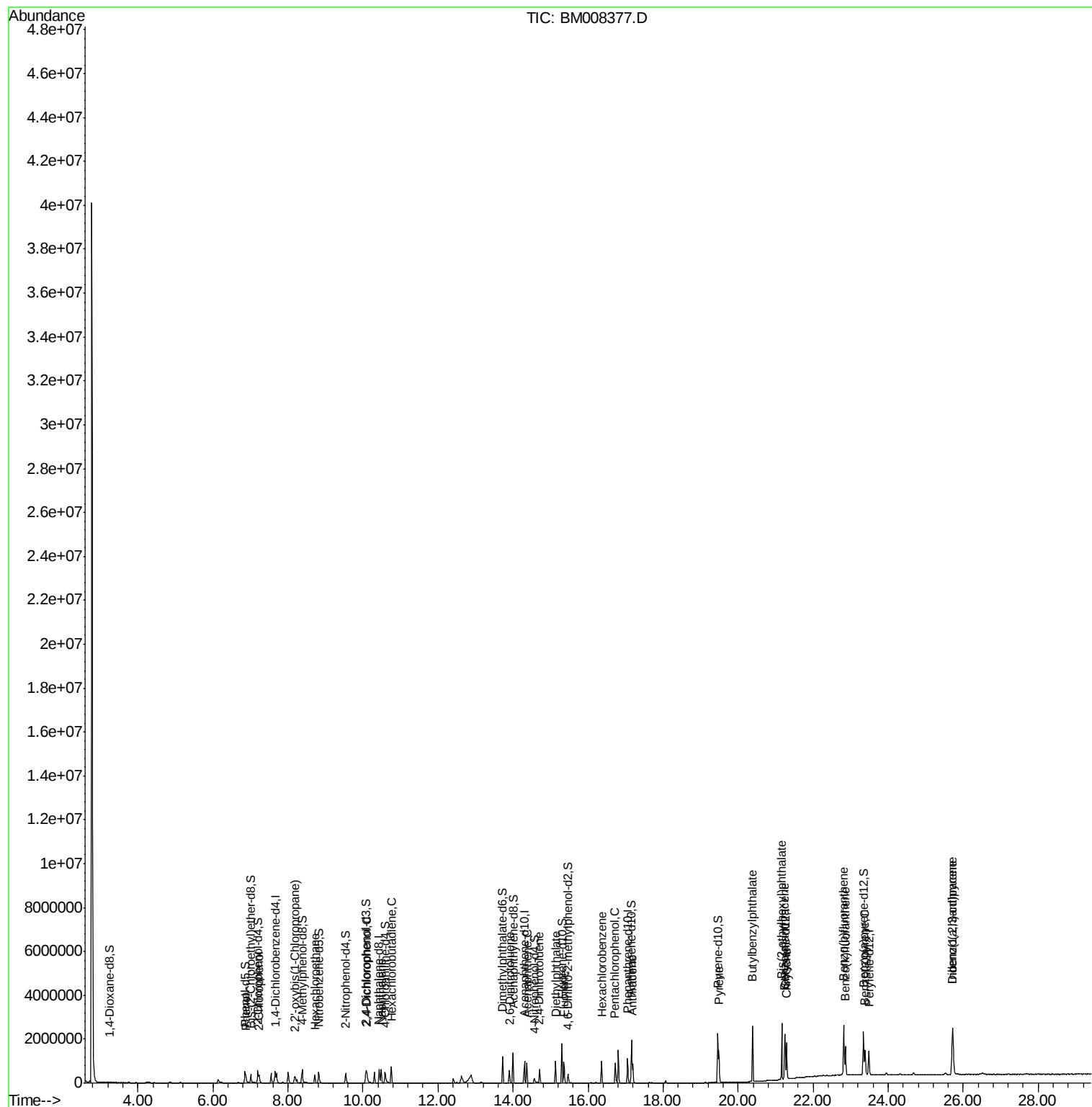
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Data File : BM008377.D
Acq On : 16 Dec 2016 17:25
Operator : UM/SJ
Sample : H6039-24
Misc :
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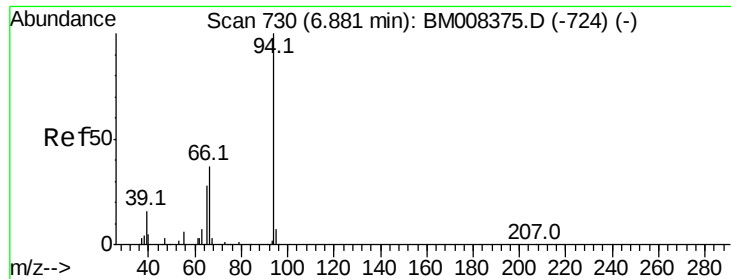
Instrument :
BNA_M
ClientSampleId :
DA8Q9

Quant Time: Dec 17 02:25:01 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
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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

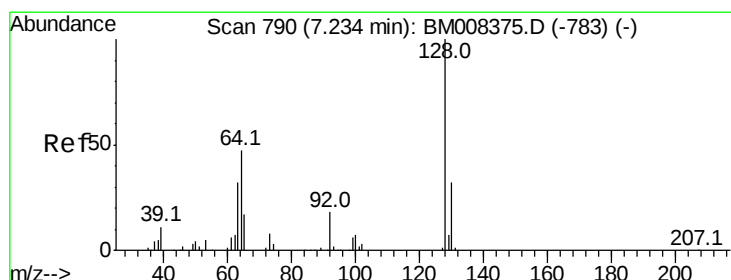
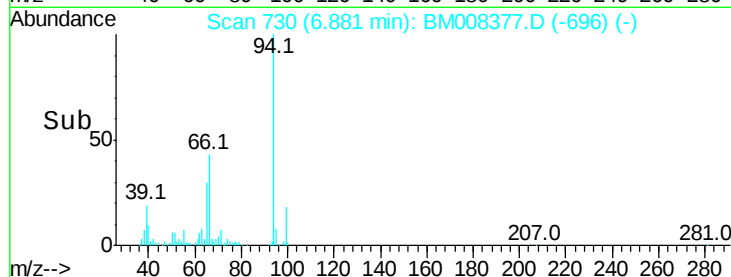
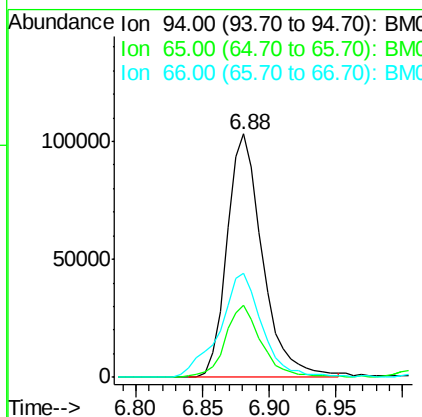
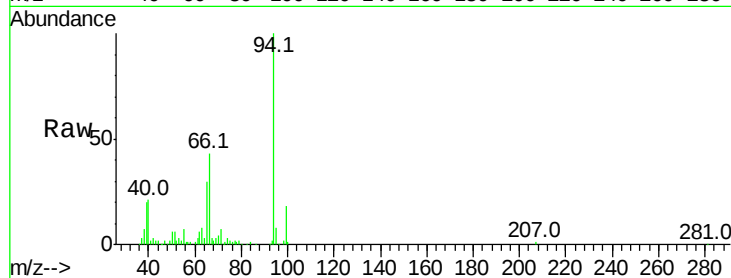
ClientSampleId :

DA8Q9

Tot Ion:	94	Resp:	191635
Ion Ratio	Lower	Upper	
94	100		
65	29.7	22.6	34.0
66	42.8	35.8	53.8

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#10

2-Chlorophenol

Concen: 19.81 ng/ul

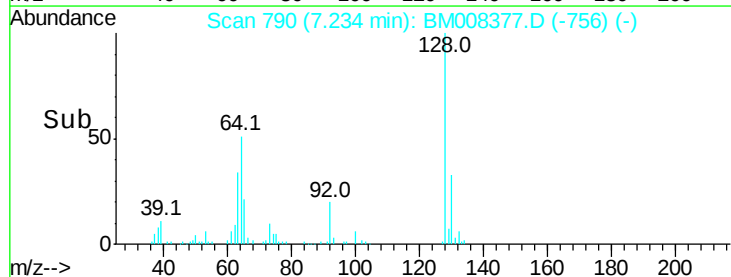
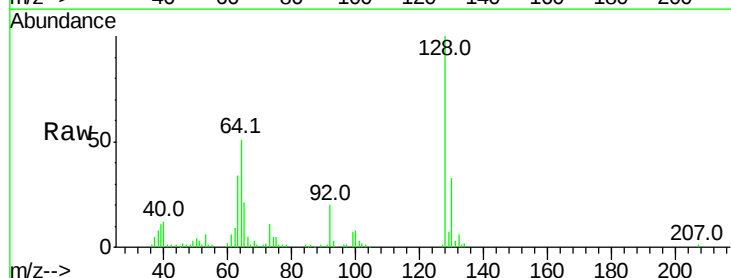
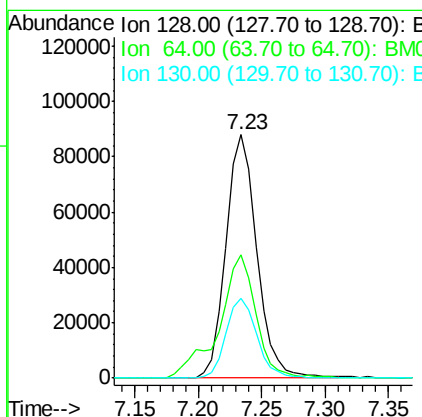
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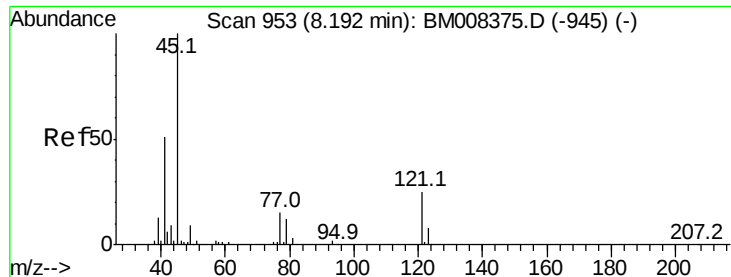
Delta R.T. 0.00 min

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





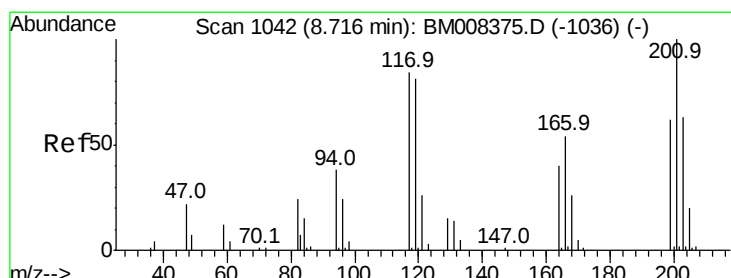
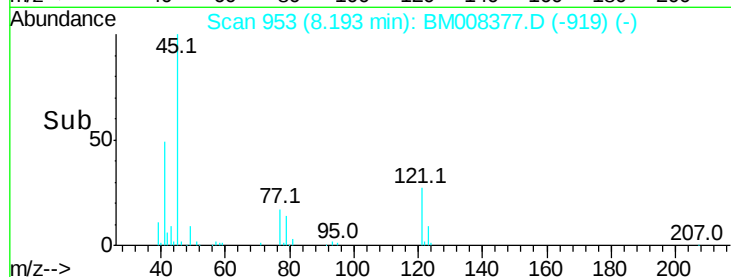
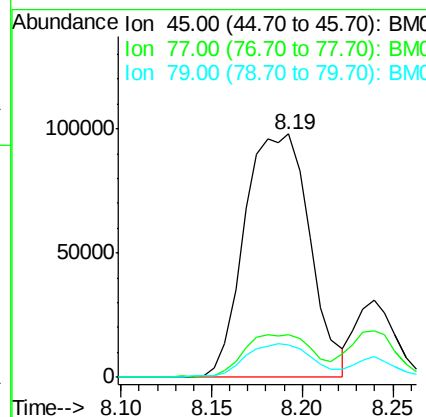
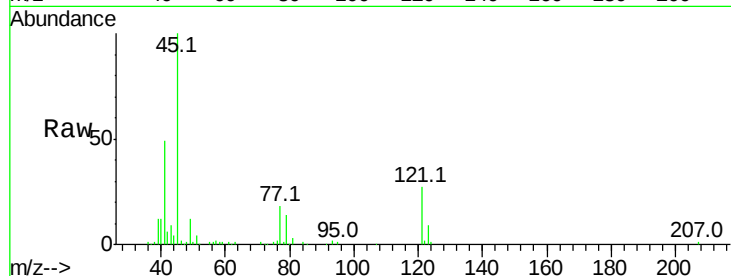
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 28.03 ng/ul
RT: 8.19 min Scan# 953
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Instrument :
BNA_M
ClientSampleId :
DA8Q9

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

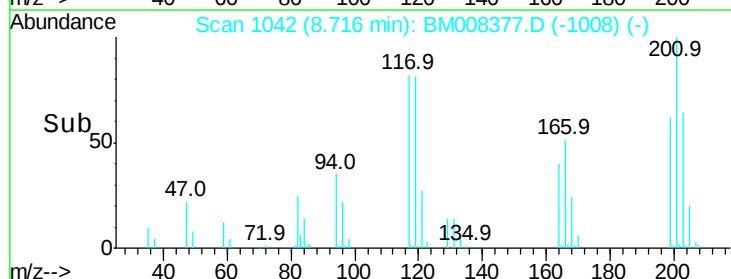
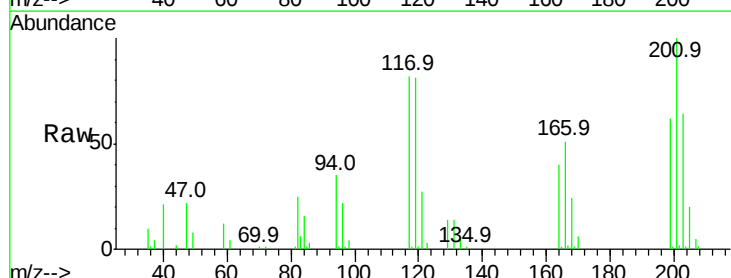
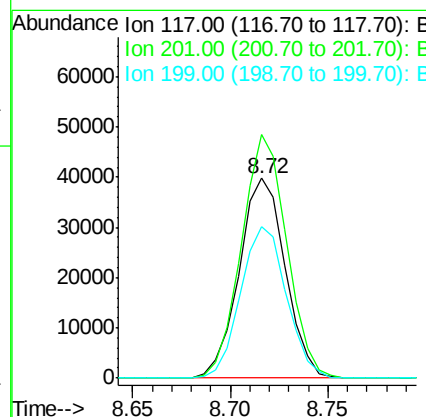
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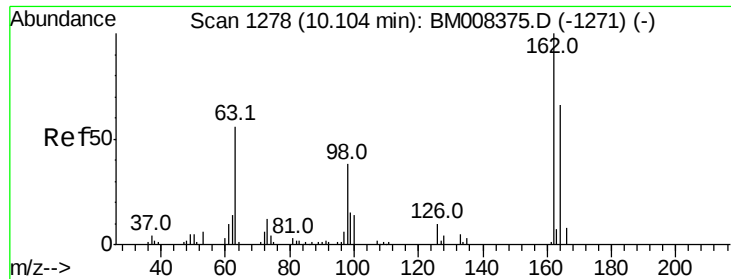
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#17
Hexachloroethane
Concen: 19.00 ng/ul
RT: 8.72 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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





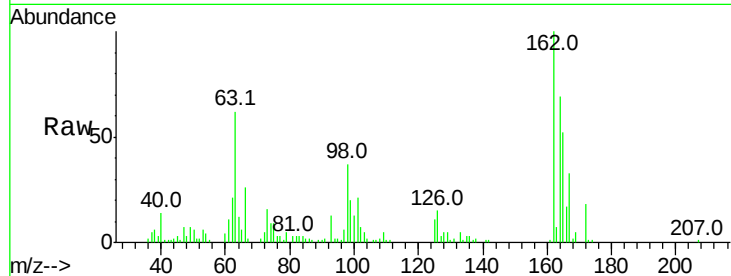
#27
 2,4-Dichlorophenol
 Concen: 19.11 ng/ul
 RT: 10.10 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Instrument :
 BNA_M
 ClientSampleID :
 DA8Q9

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

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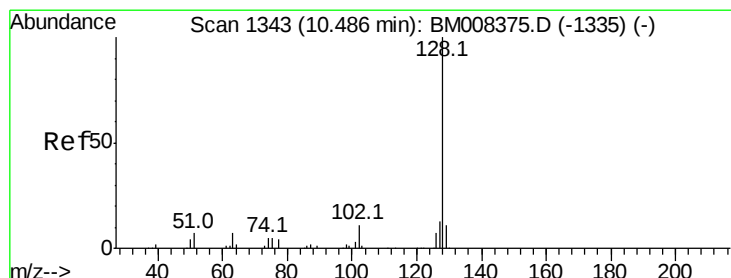
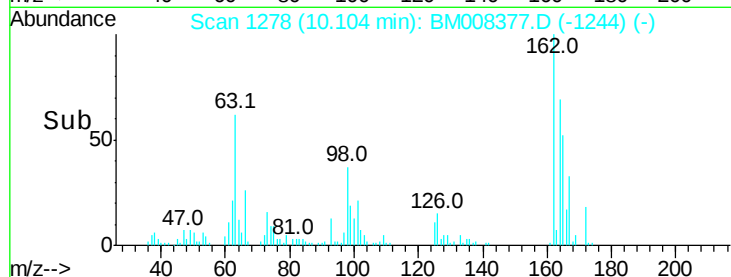
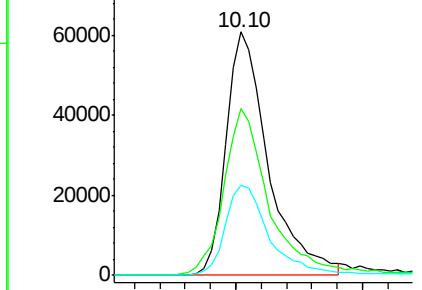


Abundance

Ion 162.00 (161.70 to 162.70): E

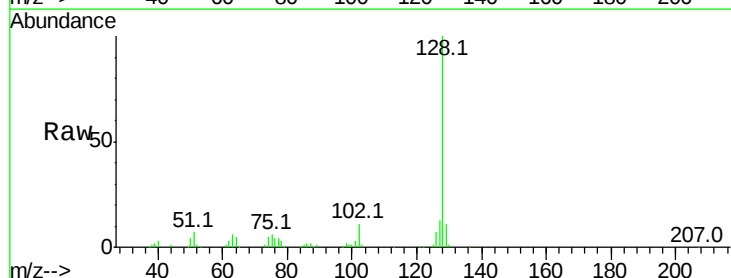
Ion 164.00 (163.70 to 164.70): E

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

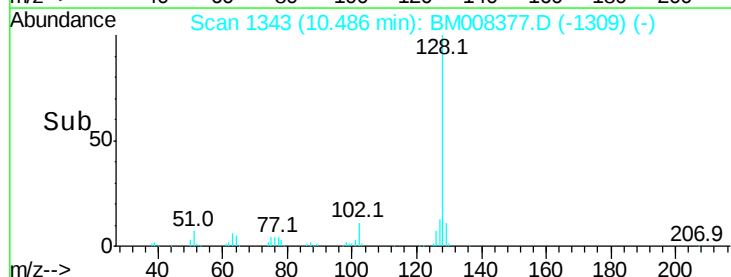
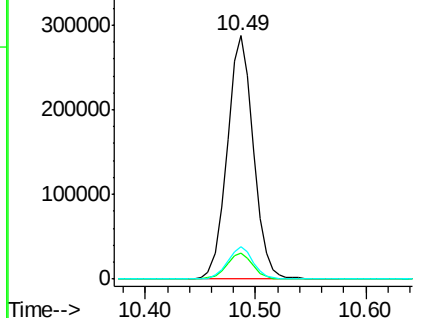


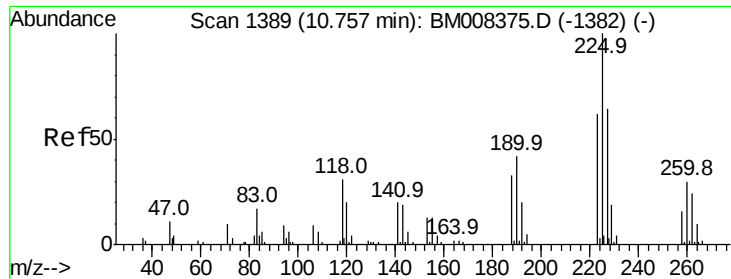
Abundance

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





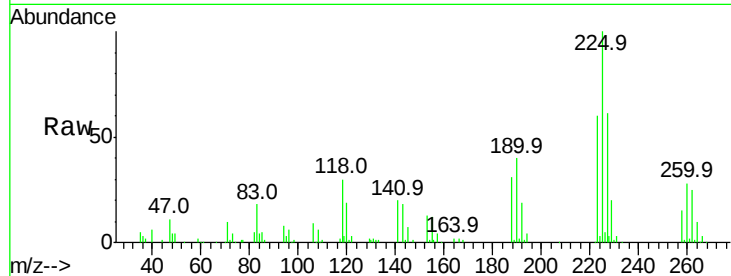
#31
Hexachlorobutadiene
Concen: 28.87 ng/ul
RT: 10.76 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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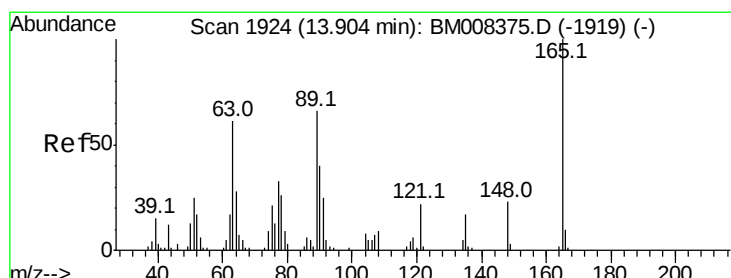
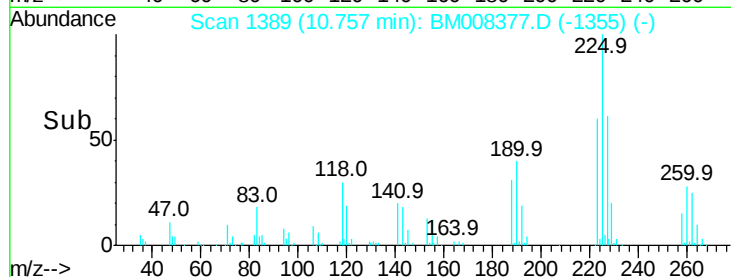
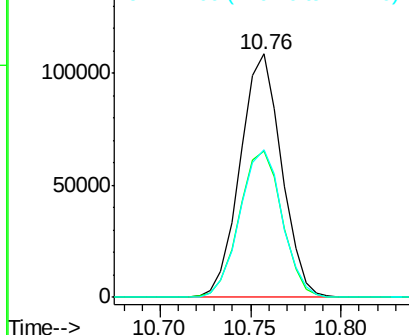
Tot Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	60.4	47.7	71.5
227	60.7	51.0	76.6

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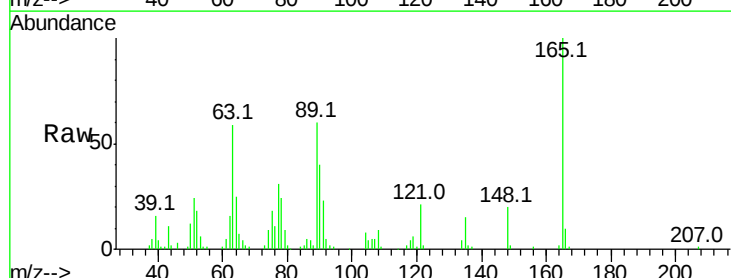


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

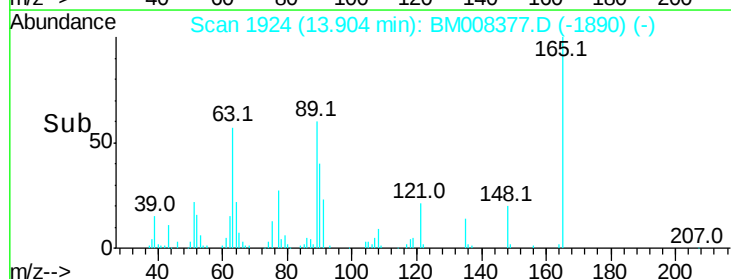
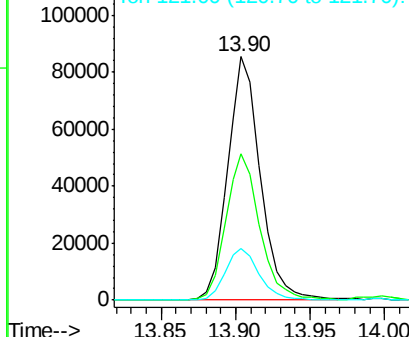


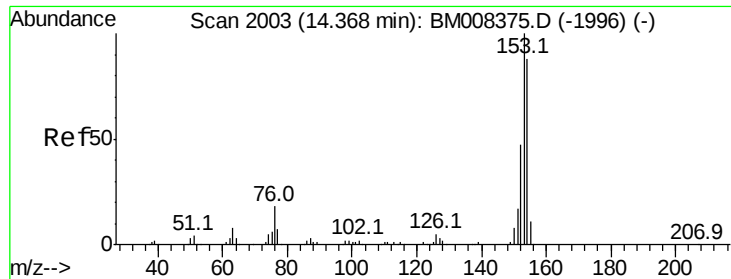
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2,6-Dinitrotoluene
Concen: 31.32 ng/ul
RT: 13.90 min Scan# 1924
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM
Ion 121.00 (120.70 to 121.70): E





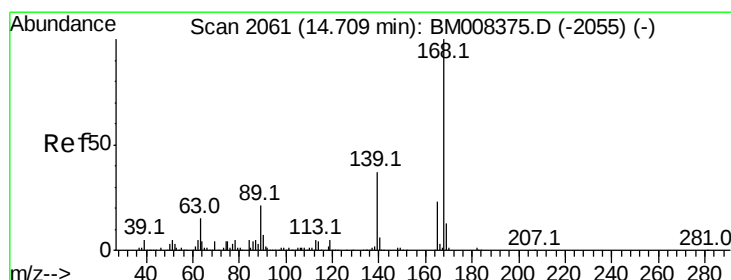
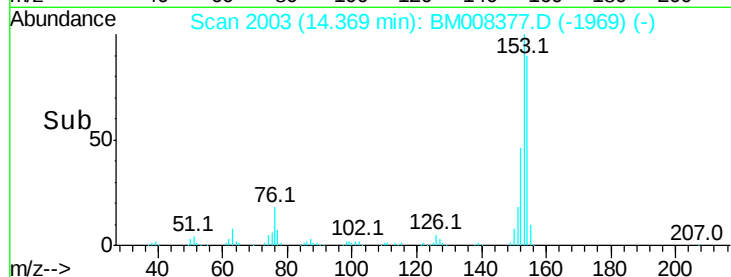
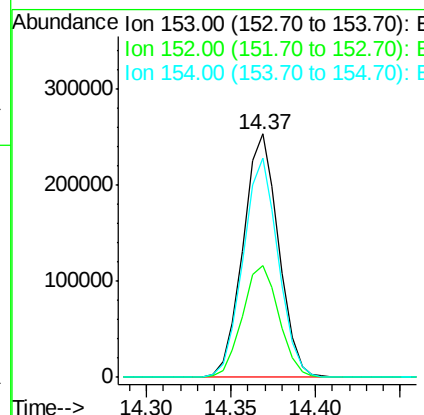
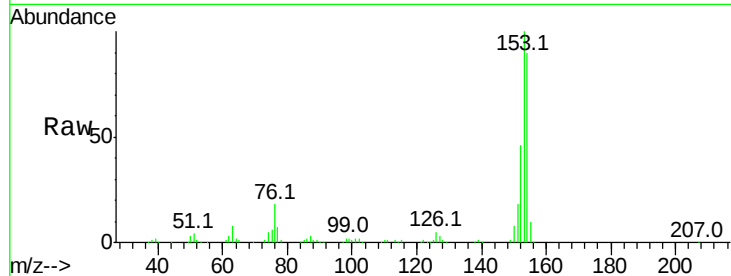
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Acenaphthene
Concen: 20.52 ng/ul
RT: 14.37 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Instrument :
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Tot Ion	Ratio	Lower	Upper
153	100		
152	45.7	36.6	54.8
154	89.9	71.4	107.2

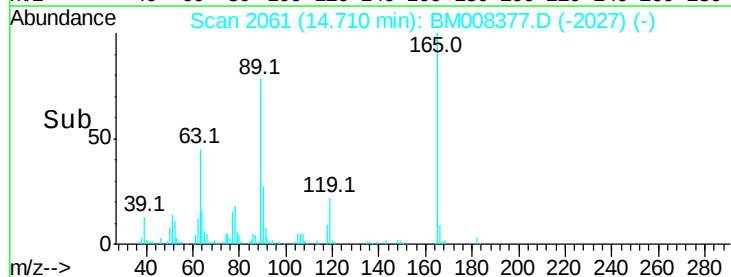
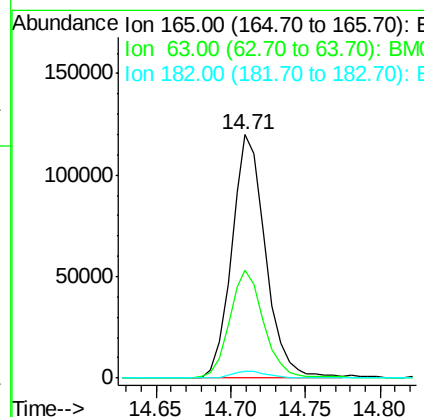
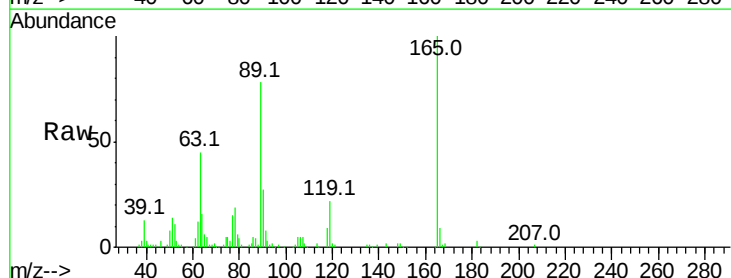
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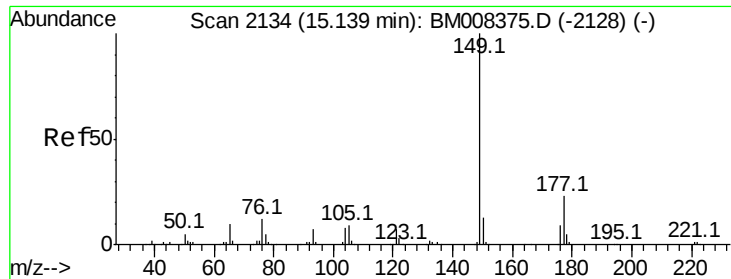
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#54
2,4-Dinitrotoluene
Concen: 30.25 ng/ul
RT: 14.71 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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





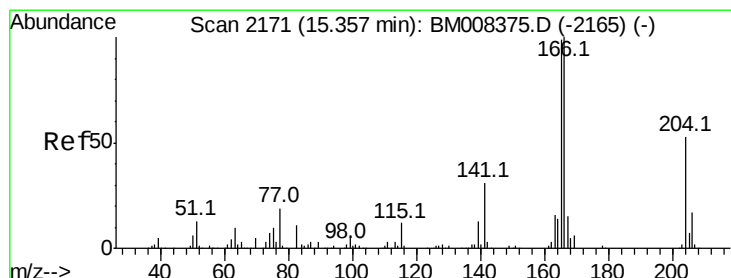
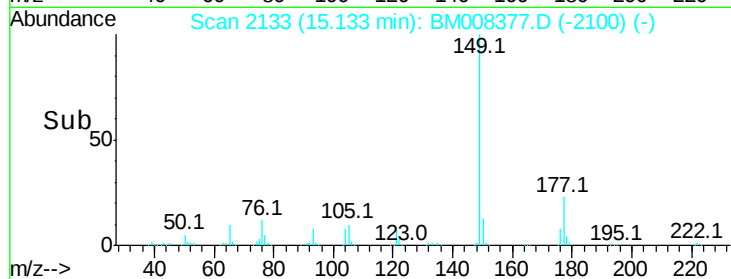
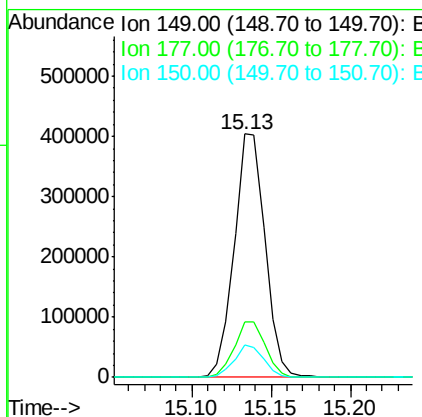
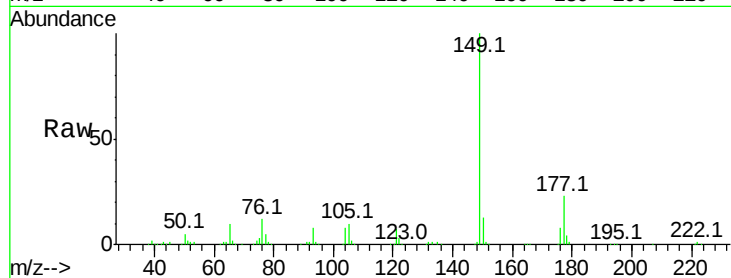
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Diethylphthalate
Concen: 25.54 ng/ul
RT: 15.13 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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

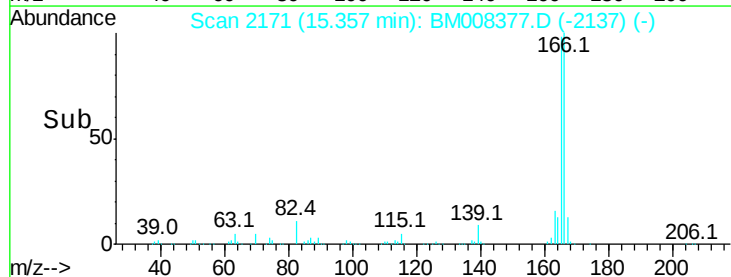
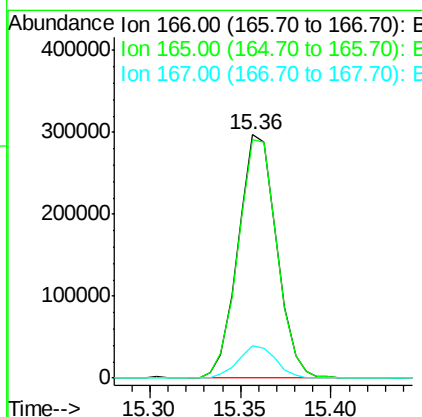
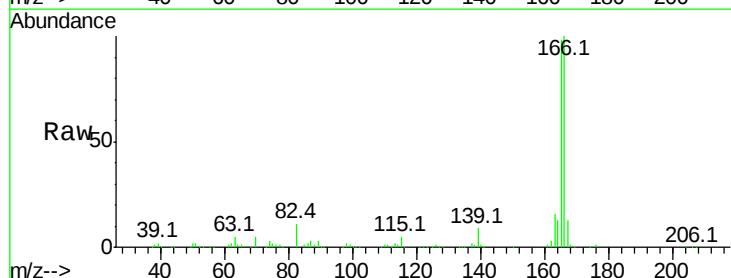
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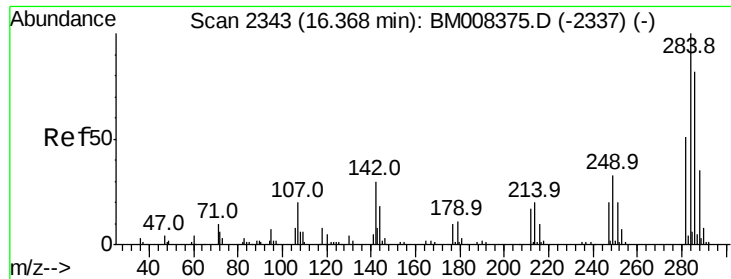
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#58
Fluorene
Concen: 20.12 ng/ul
RT: 15.36 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	436596		
165	98.1	79.3	118.9	
167	13.2	10.7	16.1	





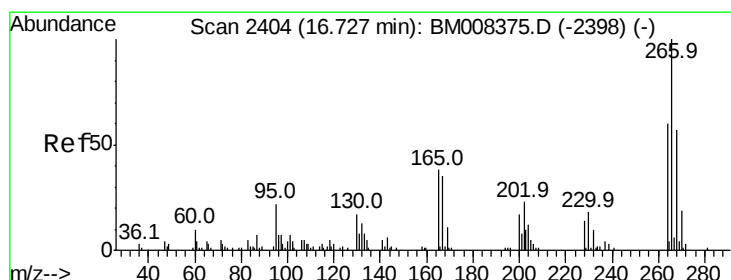
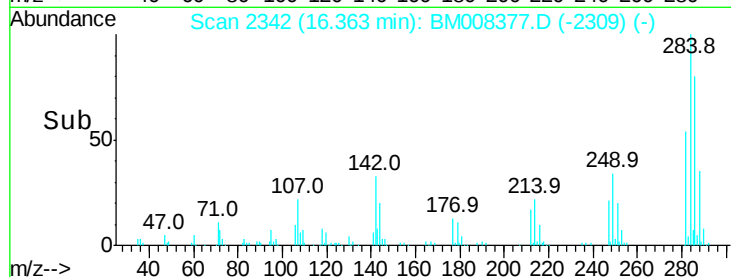
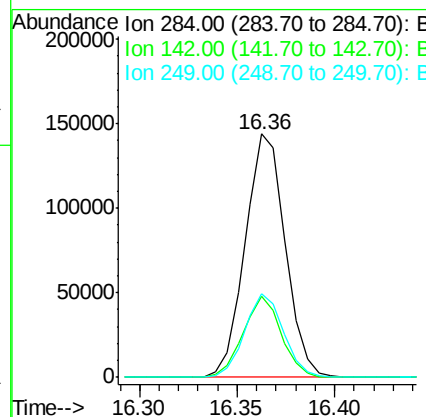
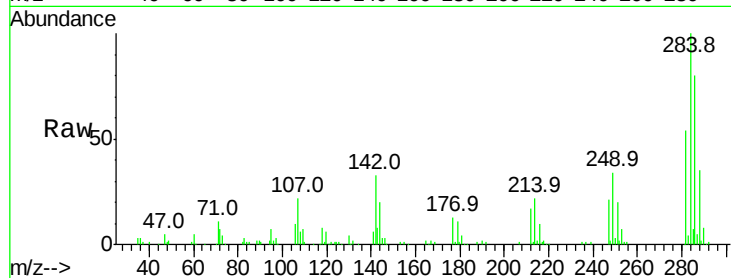
#66
Hexachlorobenzene
Concen: 24.93 ng/ul
RT: 16.36 min Scan# 2342
Delta R.T. -0.01 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Instrument :
BNA_M
ClientSampleId :
DA8Q9

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	33.2	24.8	37.2
249	34.2	25.1	37.7

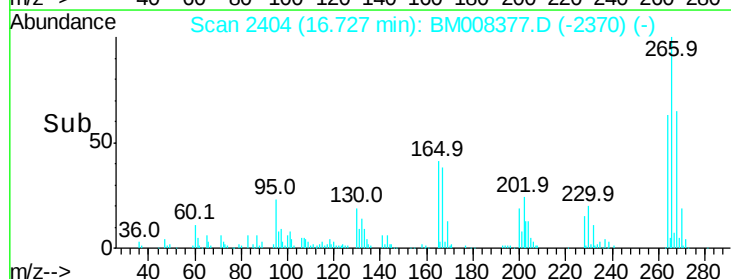
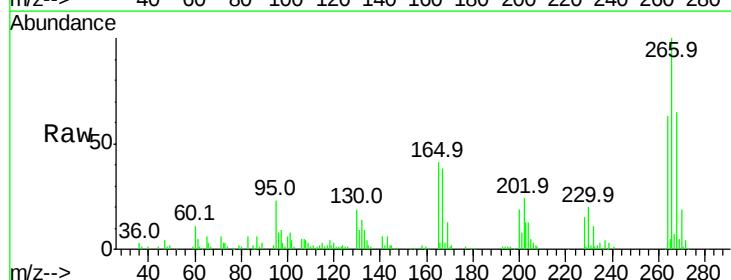
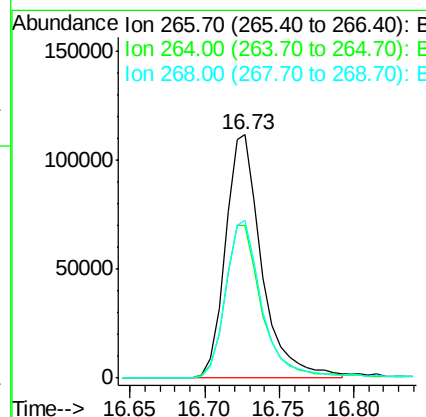
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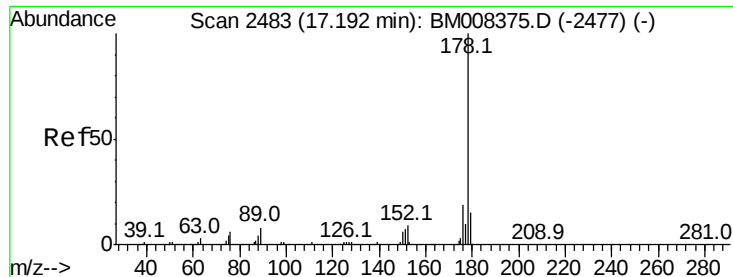
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#68
Pentachlorophenol
Concen: 42.76 ng/ul
RT: 16.73 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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





#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

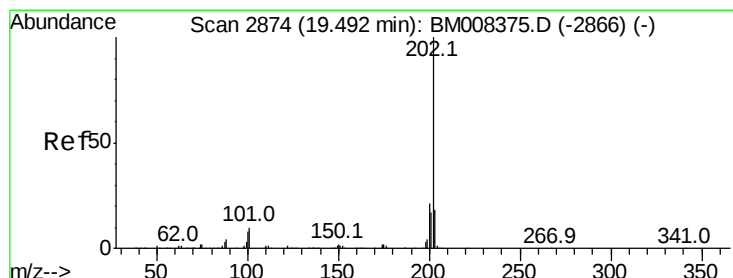
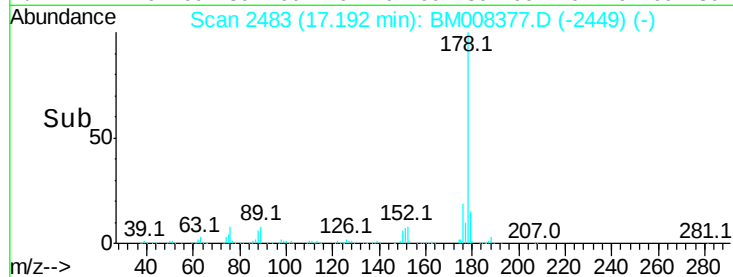
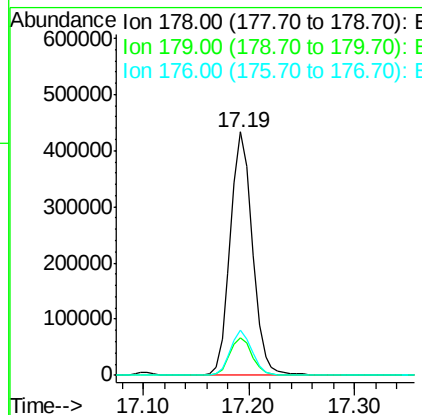
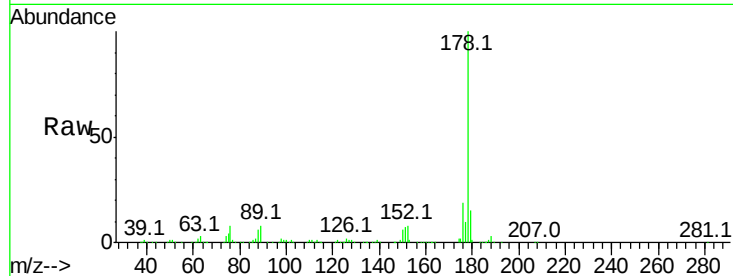
ClientSampleId :

DA8Q9

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

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#77

Pyrene

Concen: 22.25 ng/ul

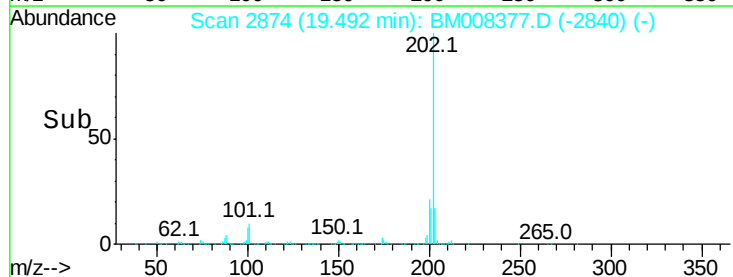
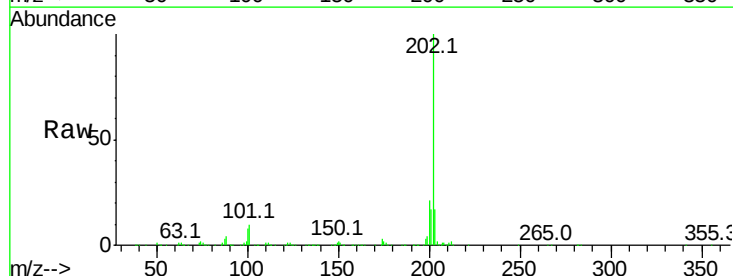
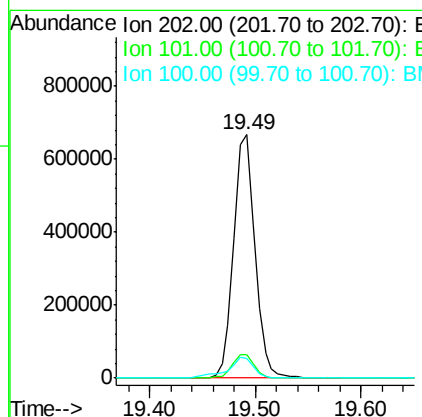
RT: 19.49 min Scan# 2874

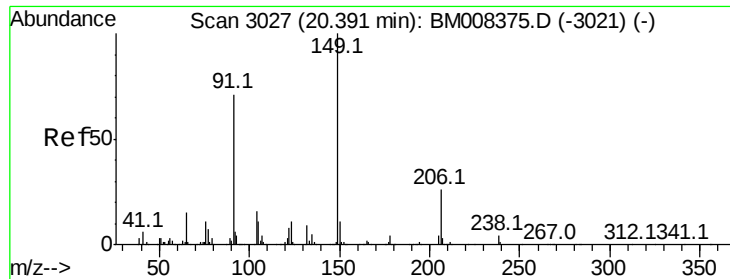
Delta R.T. 0.00 min

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





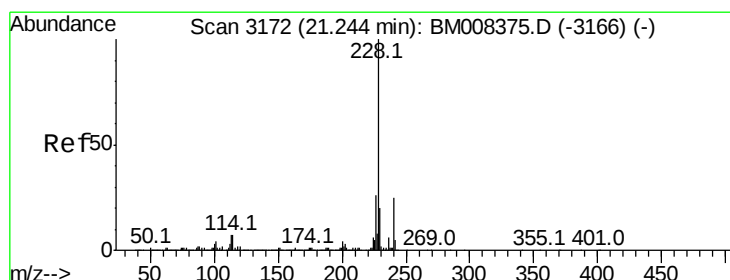
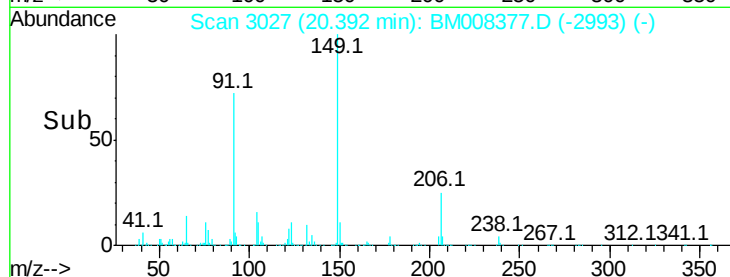
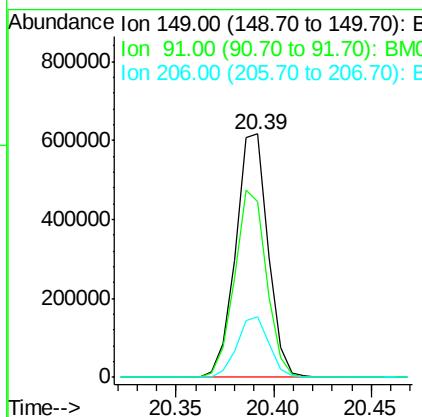
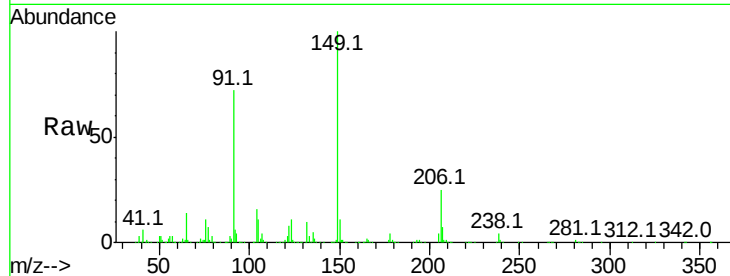
#78
Butylbenzylphthalate
Concen: 47.64 ng/ul
RT: 20.39 min Scan# 3027
Delta R.T. 0.00 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

Instrument :
BNA_M
ClientSampleId :
DA8Q9

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

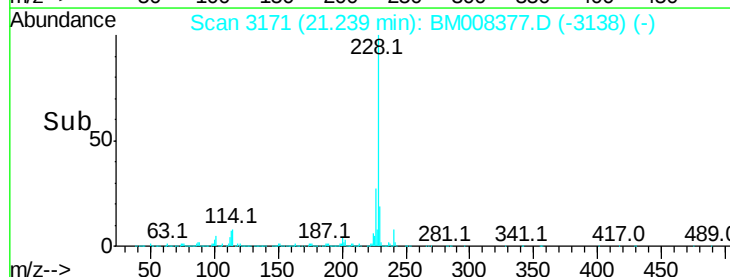
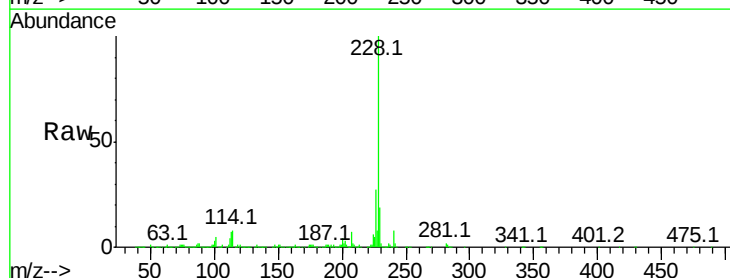
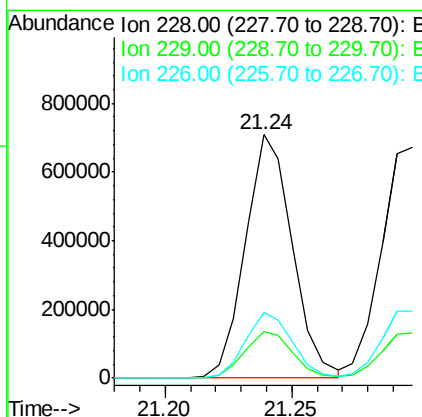
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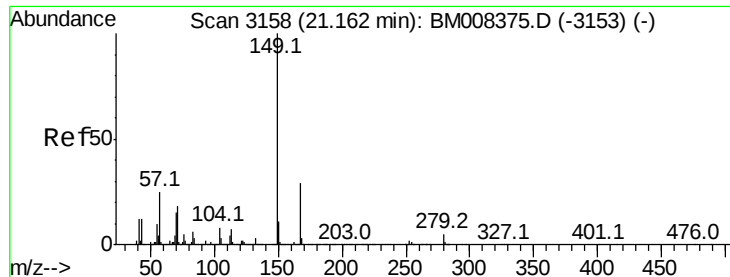
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#80
Benzo(a)anthracene
Concen: 20.87 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BM008377.D
Acq: 16 Dec 2016 17:25

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





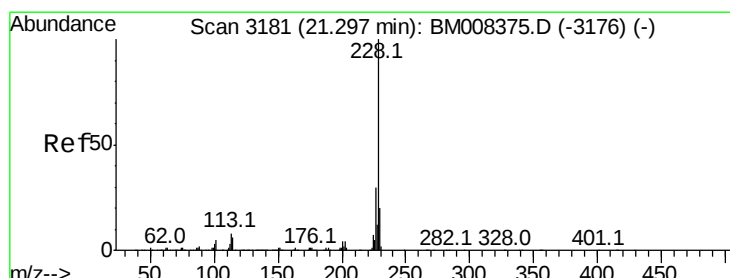
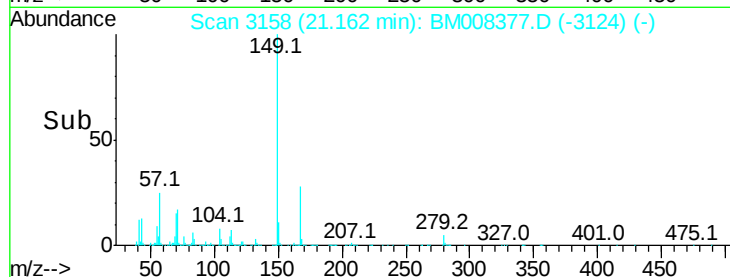
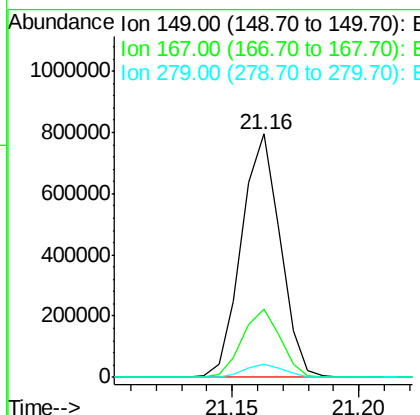
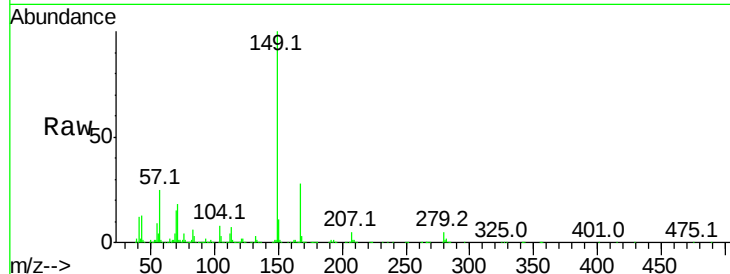
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 38.70 ng/ul
 RT: 21.16 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Instrument :
 BNA_M
 ClientSampleId :
 DA8Q9

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	34.0
279	5.4	4.2	6.4

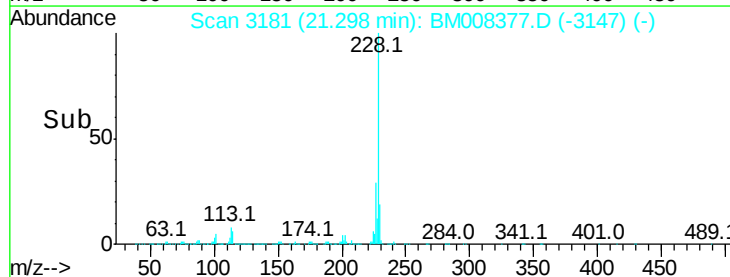
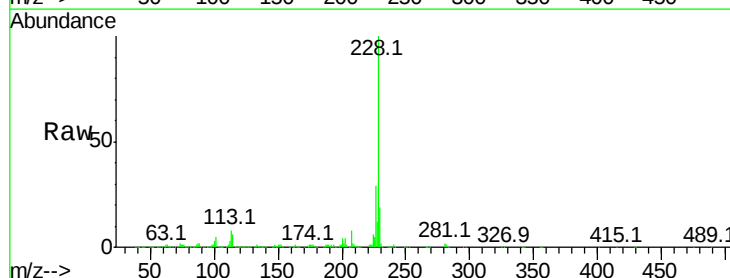
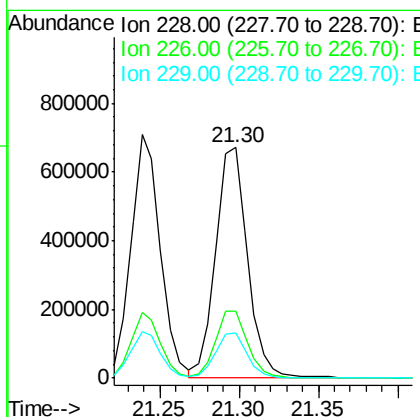
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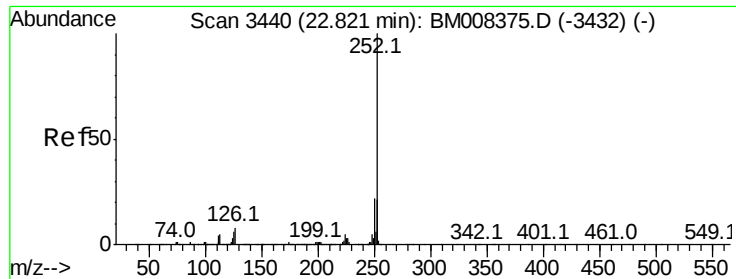
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#82
 Chrysene
 Concen: 22.05 ng/ul
 RT: 21.30 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BM008377.D
 Acq: 16 Dec 2016 17:25

Tgt Ion	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

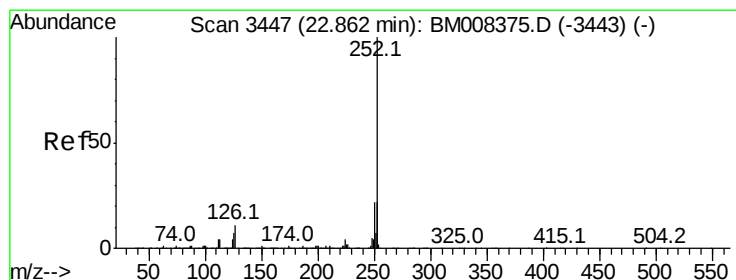
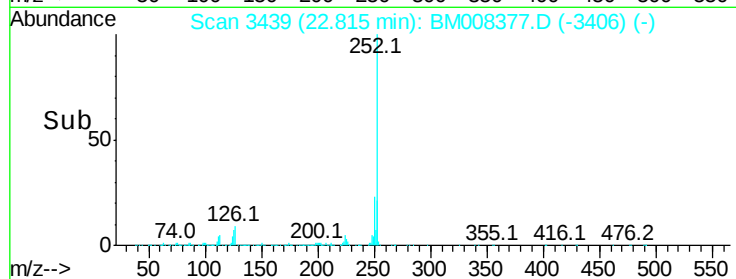
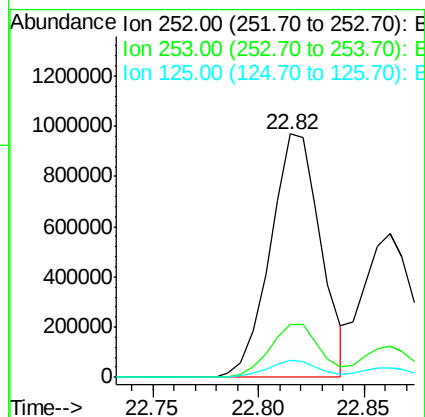
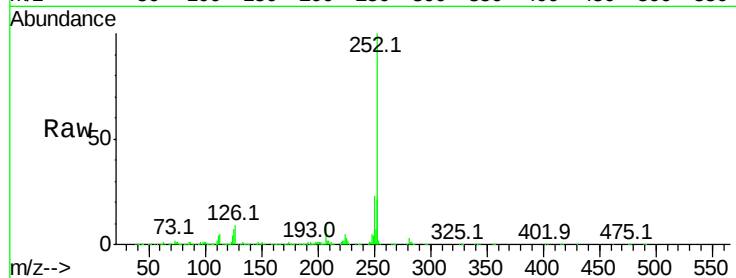
ClientSampleId :

DA8Q9

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	6.9	5.4	8.2

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#86

Benzo(k)fluoranthene

Concen: 21.62 ng/ul

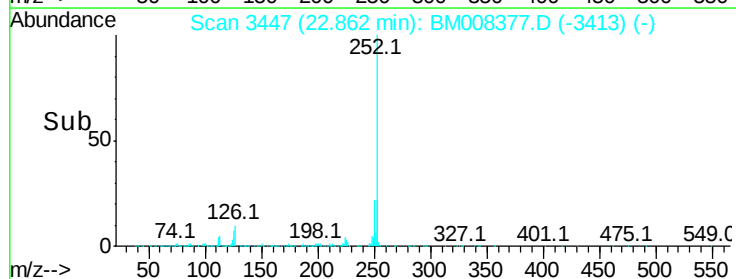
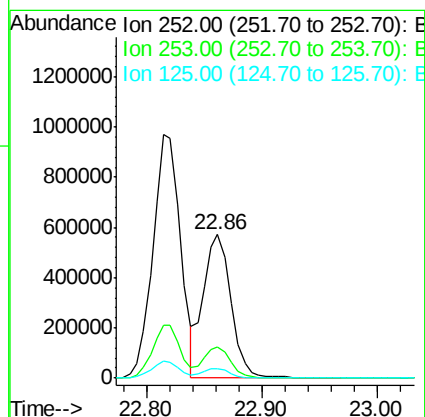
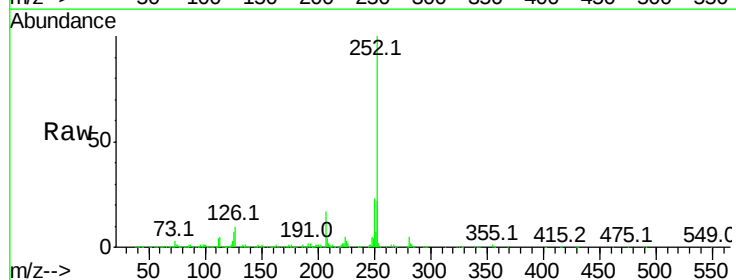
RT: 22.86 min Scan# 3447

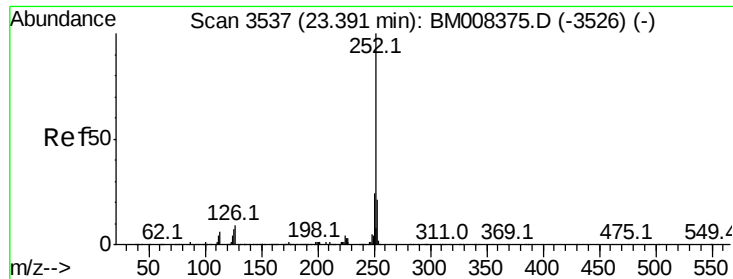
Delta R.T. 0.00 min

Lab File: BM008377.D

Acq: 16 Dec 2016 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	6.6	5.8	8.6





#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

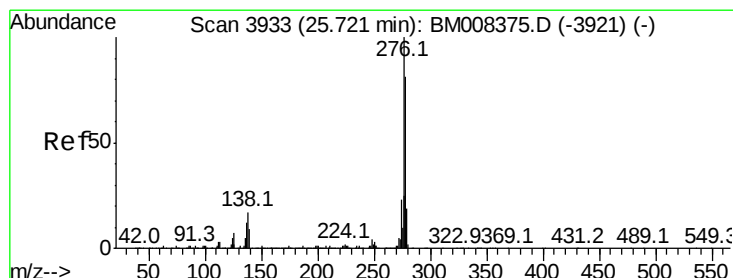
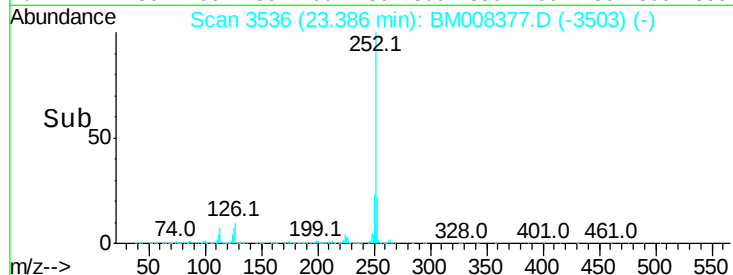
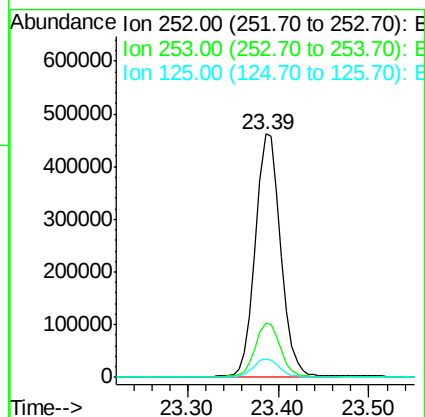
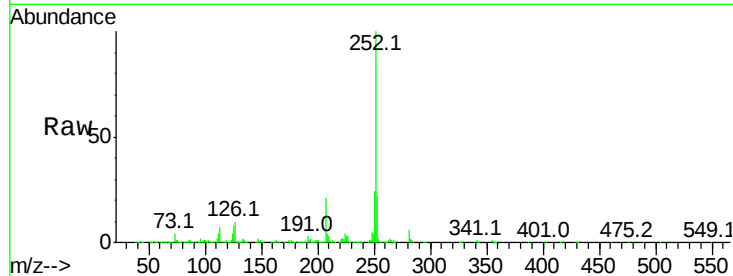
ClientSampleId :

DA8Q9

Tot Ion:	252	Resp:	895766
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	7.6	6.6	9.8

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#89

Indeno(1,2,3-cd)pyrene

Concen: 30.30 ng/ul

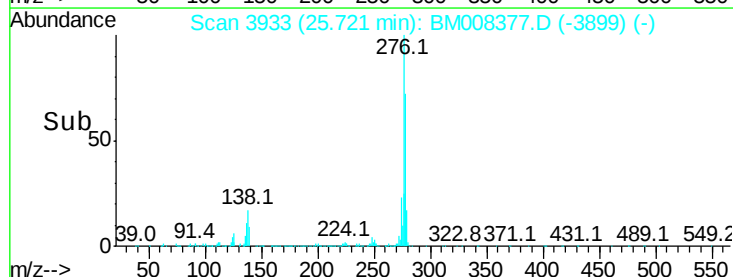
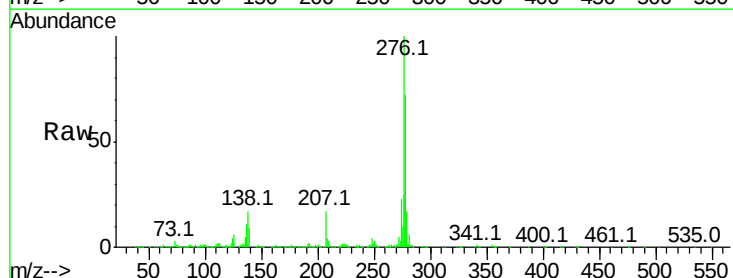
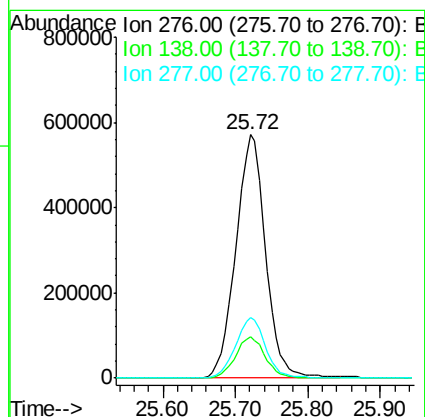
RT: 25.72 min Scan# 3933

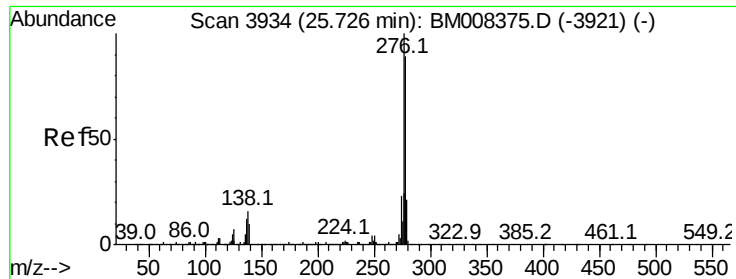
Delta R.T. 0.00 min

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





#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

Tot Ion: 278 Resp: 1206158

Ion Ratio Lower Upper

278 100

139 11.7 9.4 14.0

279 23.0 18.6 28.0

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