

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
 Data File : BM008134.D
 Acq On : 01 Dec 2016 13:05
 Operator : UM/SJ
 Sample : H5730-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WC1

Manual Integrations
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Quant Time: Dec 02 02:57:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 02 02:31:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	114907	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	480511	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	337384	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	689485	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	769039	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	667354	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	8938	3.85	ng/uL	0.00
5) Phenol-d5	6.88	99	239771	27.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	151673	30.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	189679	28.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	198651	29.84	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	97999	28.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	92717	23.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	190074	26.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	41933	6.02	ng/ul	0.02
43) Dimethylphthalate-d6	13.75	166	476999	21.93	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	845489	31.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	77907m	23.19	ng/ul	0.00
57) Fluorene-d10	15.33	176	655292	34.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	44008	10.75	ng/ul	0.00
70) Anthracene-d10	17.19	188	1167888	39.38	ng/ul	0.00
76) Pyrene-d10	19.49	212	1403384	45.09	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	1192882	42.91	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	6.86	77	230402	37.16	ng/ul	98
6) Phenol	6.91	94	10536	1.20	ng/ul	94
10) 2-Chlorophenol	7.26	128	27601	4.07	ng/ul	98
23) 2-Nitrophenol	9.60	139	125297	31.30	ng/ul	97
28) Naphthalene	10.52	128	173154	7.76	ng/ul	98
31) Hexachlorobutadiene	10.79	225	100653	18.15	ng/ul	94
33) 4-Chloro-3-methylphenol	11.78	107	87925	11.70	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	12.52	216	75471	7.20	ng/ul	96
38) 2,4,6-Trichlorophenol	12.77	196	90599	14.42	ng/ul	98
40) 1,1'-Biphenyl	13.16	154	520730	22.90	ng/ul	98
44) Dimethylphthalate	13.80	163	418492	19.63	ng/ul	99
45) 2,6-Dinitrotoluene	13.93	165	71429	16.90	ng/ul	97
52) 4-Nitrophenol	14.58	109	99133	31.39	ng/ul	98
53) Dibenzofuran	14.74	168	269892	10.30	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.50	198	37549	8.92	ng/ul#	92
66) Hexachlorobenzene	16.39	284	81753	9.67	ng/ul	97
68) Pentachlorophenol	16.74	266	73442	15.01	ng/ul	97
69) Phenanthrene	17.13	178	1040291	30.17	ng/ul	99
71) Anthracene	17.22	178	438072	12.45	ng/ul	99
73) Di-n-butylphthalate	18.05	149	526131	14.53	ng/ul	99
74) Fluoranthene	19.15	202	1043185	26.06	ng/ul	100
77) Pyrene	19.52	202	1125646	28.45	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.19	149	551072	24.00	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 02 02:31:11 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	21.32	228	853252	22.76	ng/ul	99
88) Benzo(a)pyrene	23.42	252	705361	20.54	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.77	276	864614	20.65	ng/ul	98
90) Dibenzo(a,h)anthracene	25.77	278	457108	12.94	ng/ul	99

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

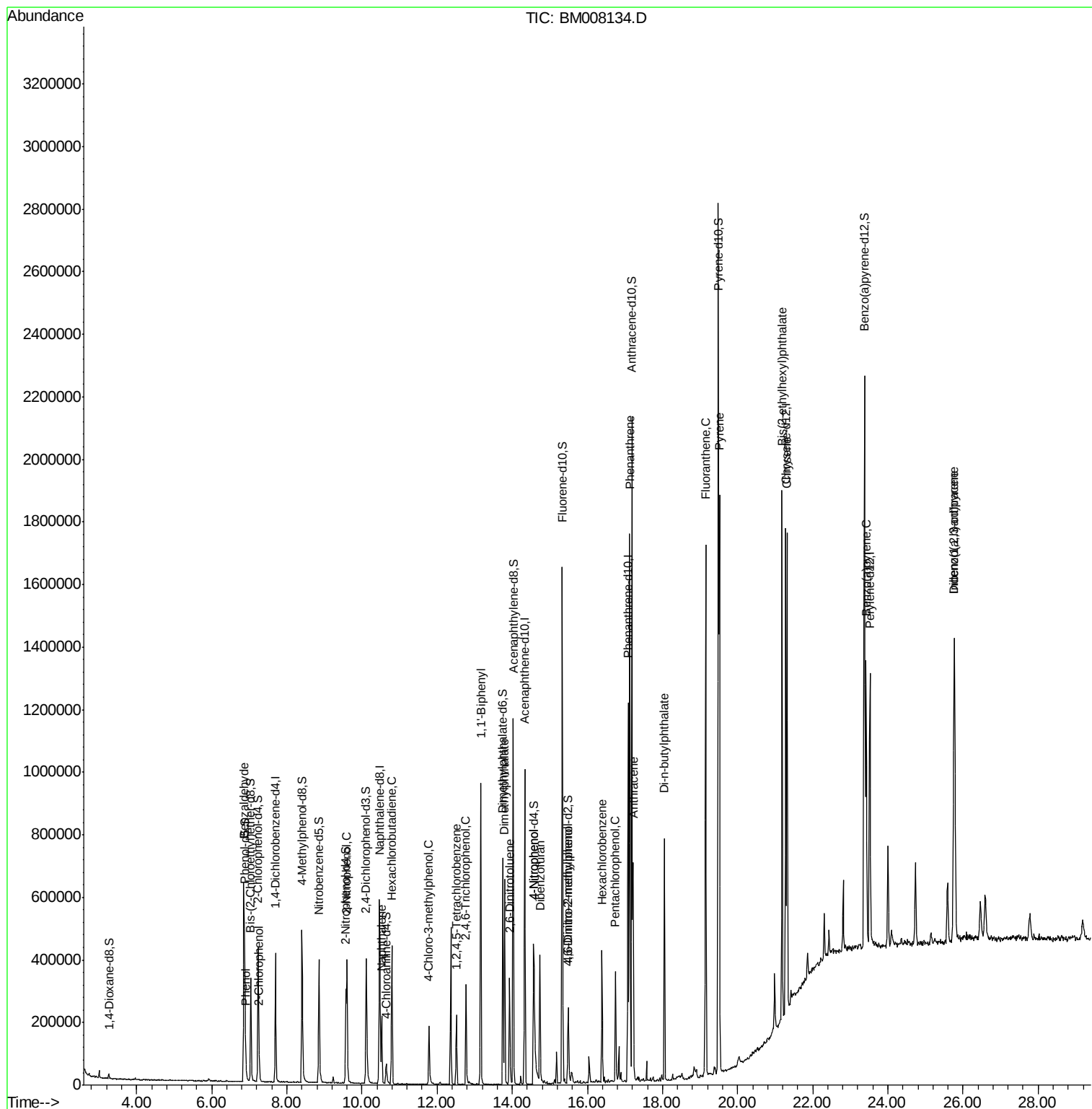
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120116\
Data File : BM008134.D
Acq On : 01 Dec 2016 13:05
Operator : UM/SJ
Sample : H5730-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

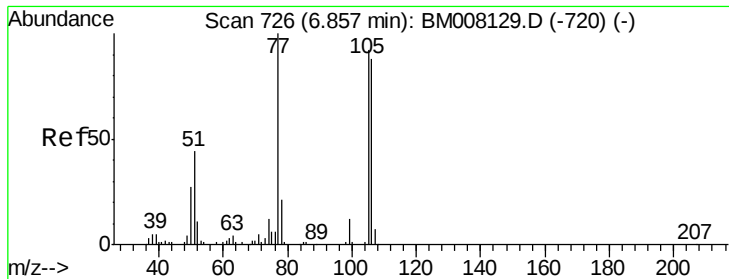
Instrument :
BNA_M
ClientSampleId :
A4WC1

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
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#4

Benzaldehyde

Concen: 37.16 ng/ul

RT: 6.86 min Scan# 726

Delta R.T. 0.00 min

Lab File: BM008134.D

Acq: 01 Dec 2016 13:05

Instrument :

BNA_M

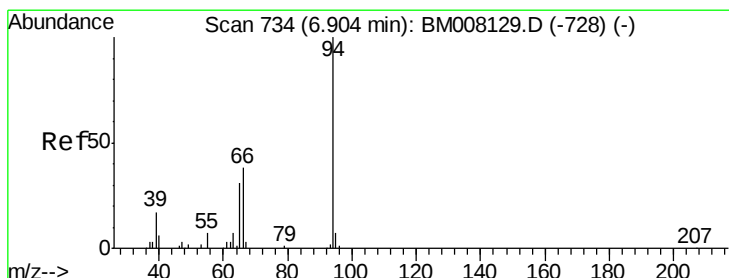
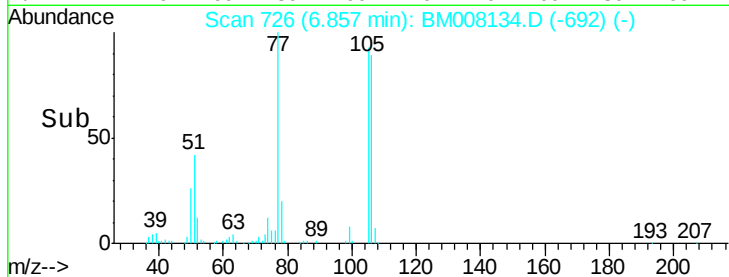
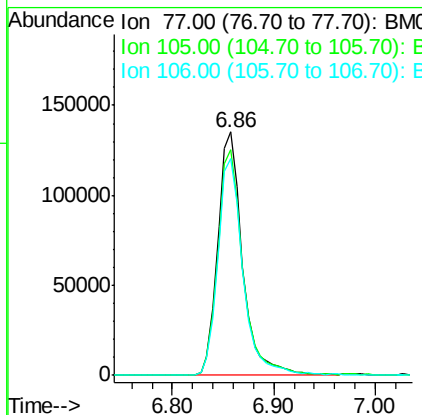
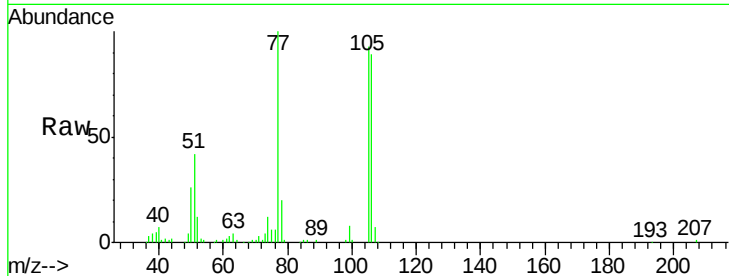
ClientSampled :

A4WC1

Tot Ion:	77	Resp:	230402
Ion	Ratio	Lower	Upper
77	100		
105	92.8	76.5	114.7
106	88.9	71.3	106.9

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#6

Phenol

Concen: 1.20 ng/ul

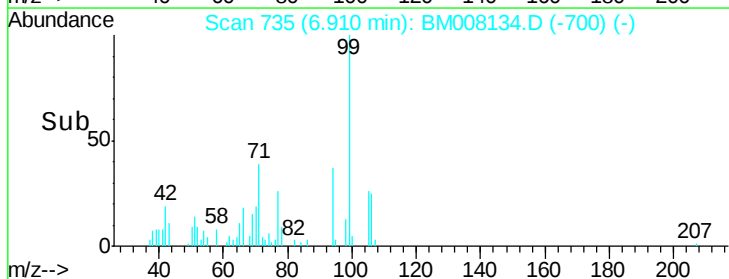
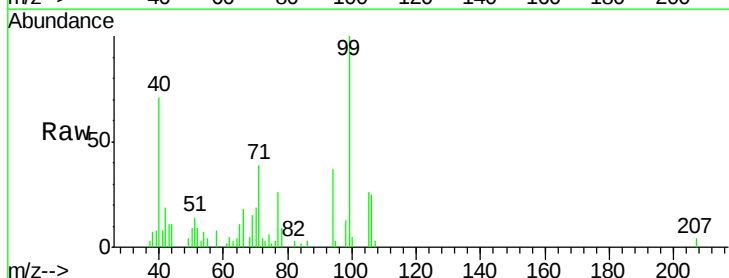
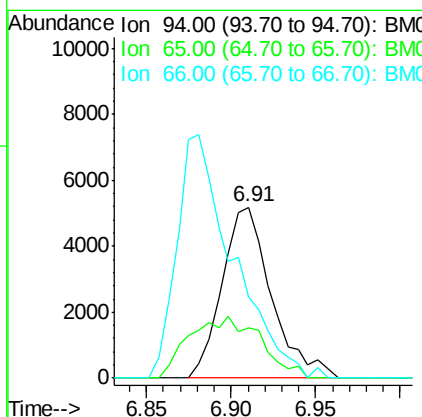
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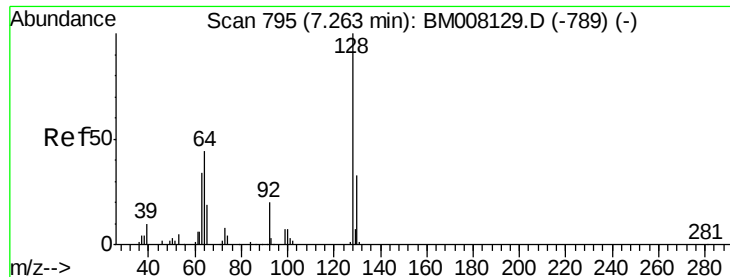
Delta R.T. 0.01 min

Lab File: BM008134.D

Acq: 01 Dec 2016 13:05

Tgt Ion:	94	Resp:	10536
Ion	Ratio	Lower	Upper
94	100		
65	29.4	23.1	34.7
66	47.8	33.7	50.5





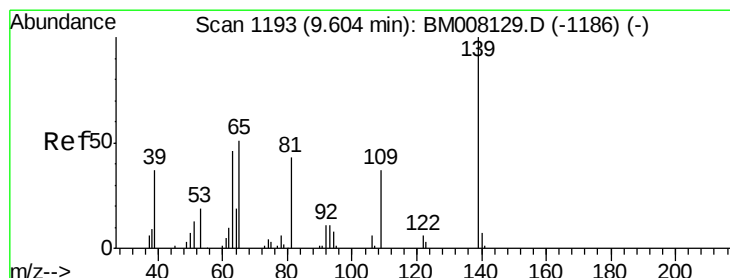
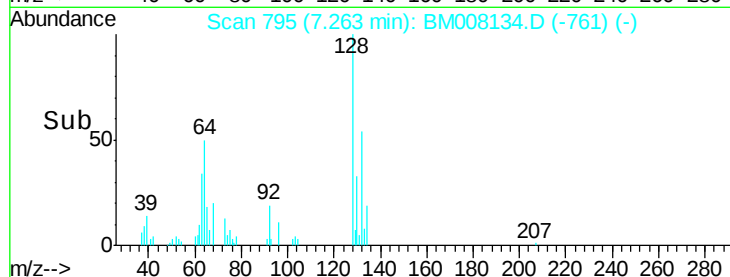
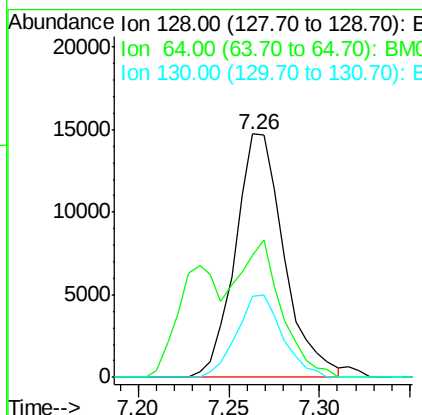
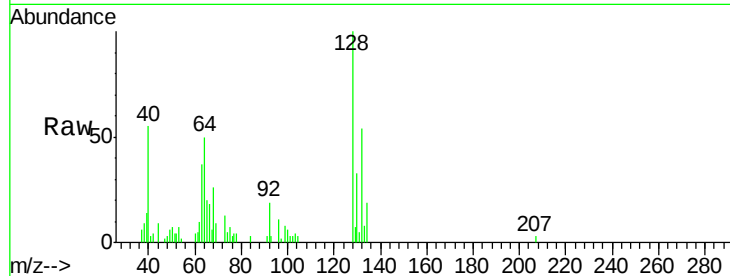
#10
2-Chlorophenol
Concen: 4.07 ng/ul
RT: 7.26 min Scan# 795
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Instrument :
BNA_M
ClientSampleId :
A4WC1

Tot Ion	Ratio	Lower	Upper
128	100		
64	50.1	38.7	58.1
130	33.1	26.9	40.3

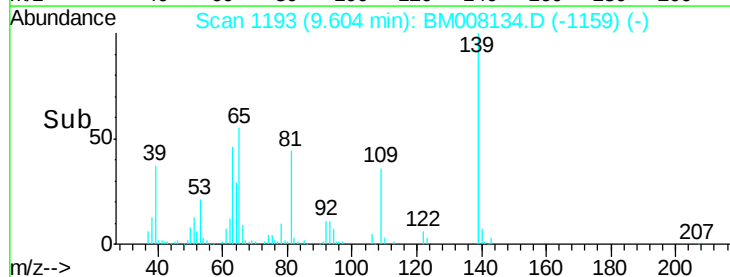
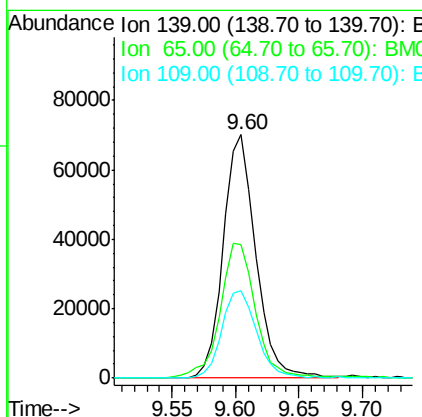
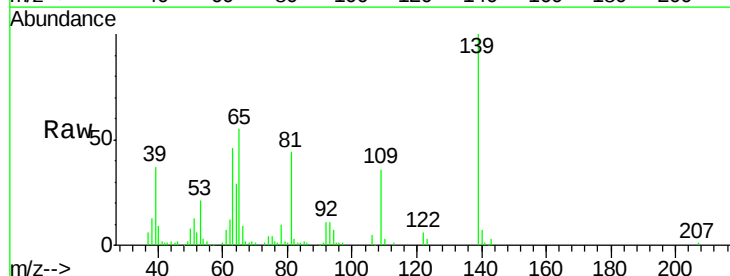
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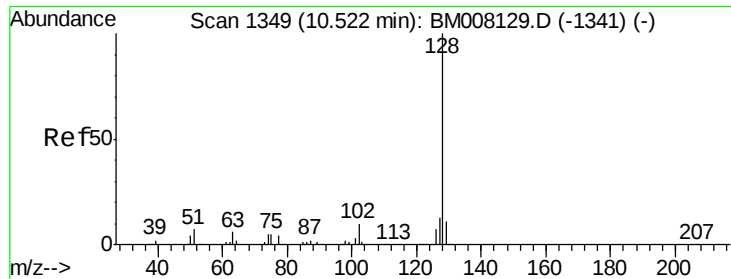
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#23
2-Nitrophenol
Concen: 31.30 ng/ul
RT: 9.60 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
139	100		
65	54.9	42.3	63.5
109	35.7	29.7	44.5





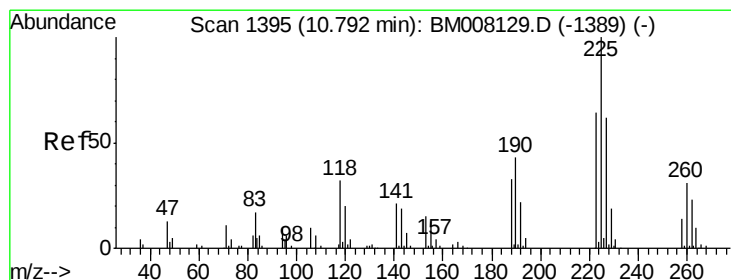
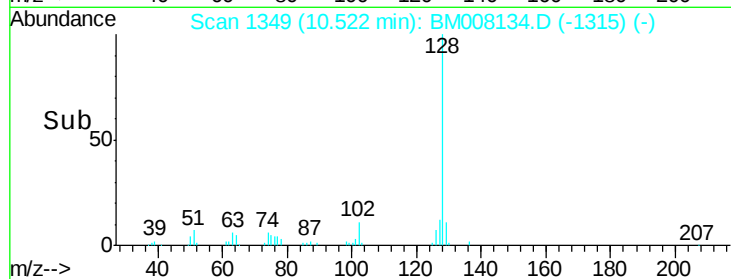
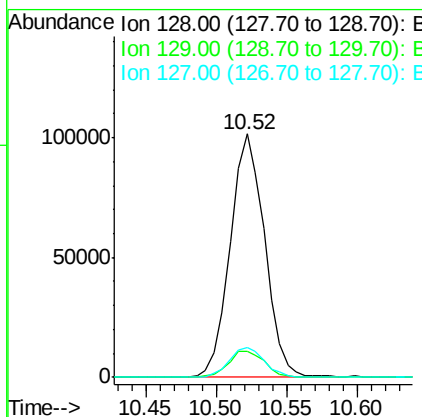
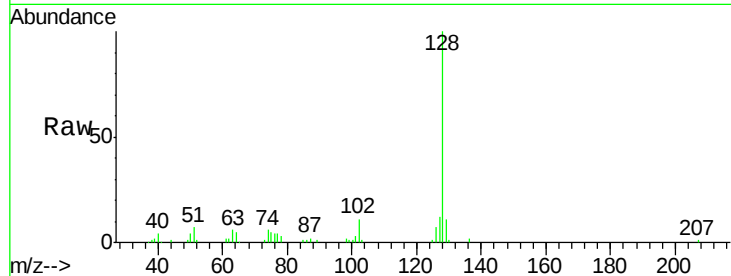
#28
Naphthalene
Concen: 7.76 ng/ul
RT: 10.52 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Instrument :
BNA_M
ClientSampled :
A4WC1

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	12.3	10.6	16.0

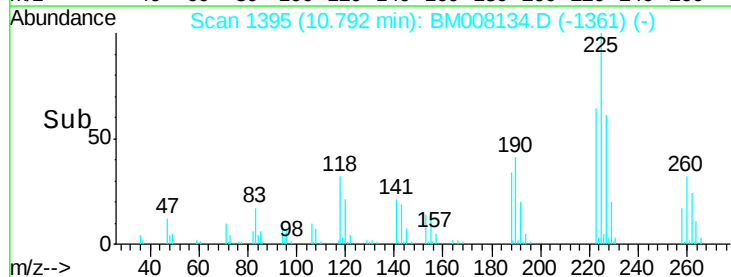
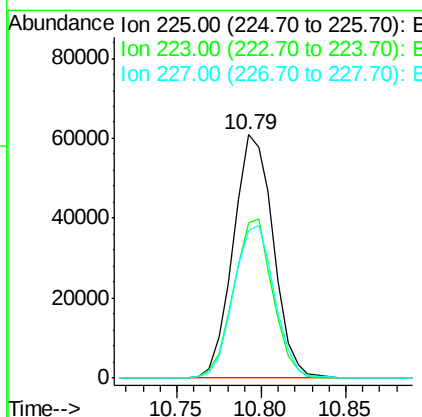
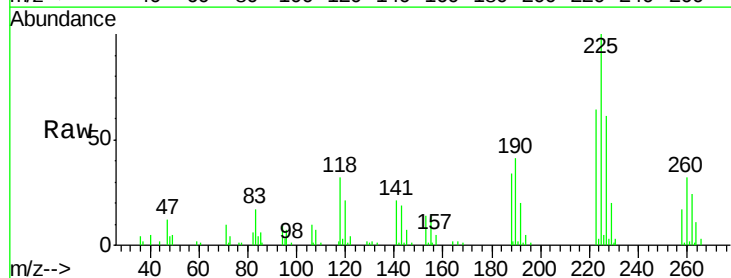
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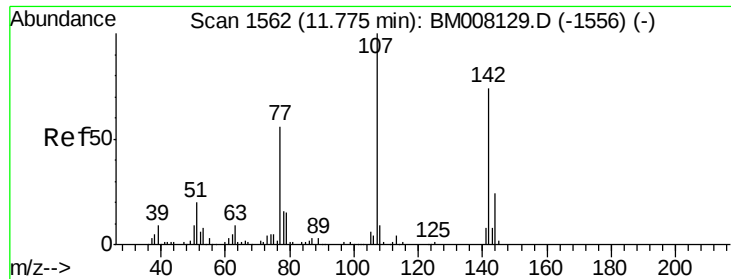
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#31
Hexachlorobutadiene
Concen: 18.15 ng/ul
RT: 10.79 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	47.8	71.8
227	60.9	53.2	79.8





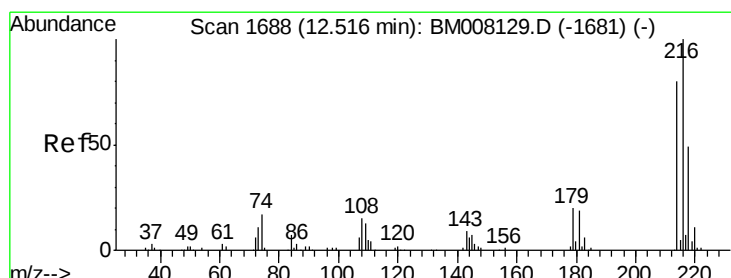
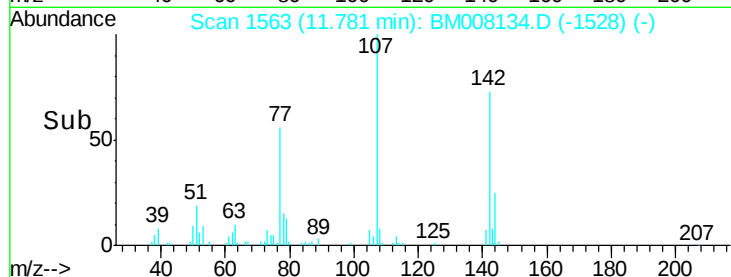
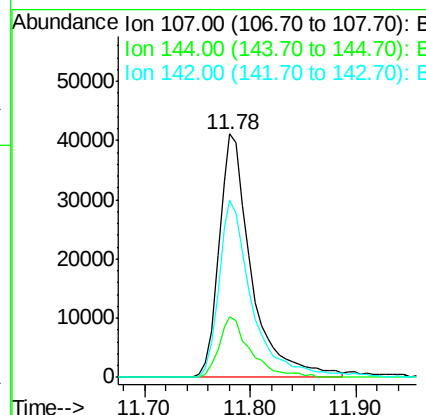
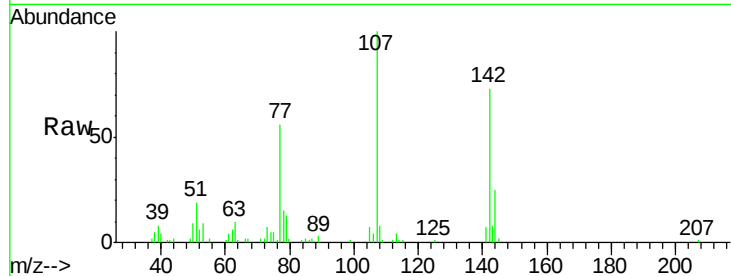
#33
4-Chloro-3-methylphenol
Concen: 11.70 ng/ul
RT: 11.78 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Instrument :
BNA_M
ClientSampled :
A4WC1

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.4	29.2
142	72.6	58.0	87.0

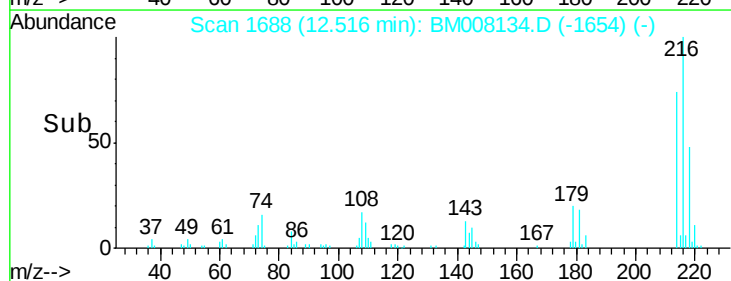
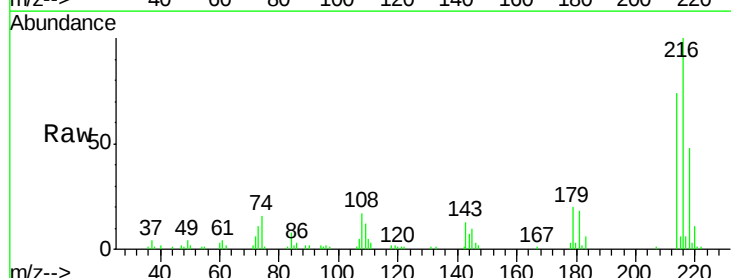
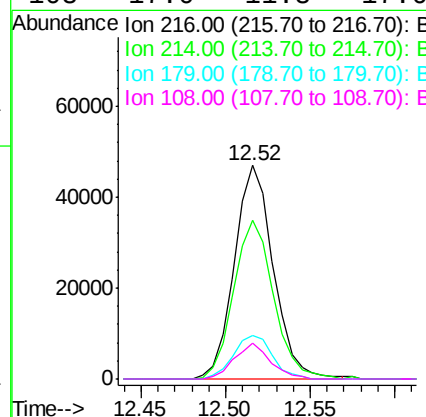
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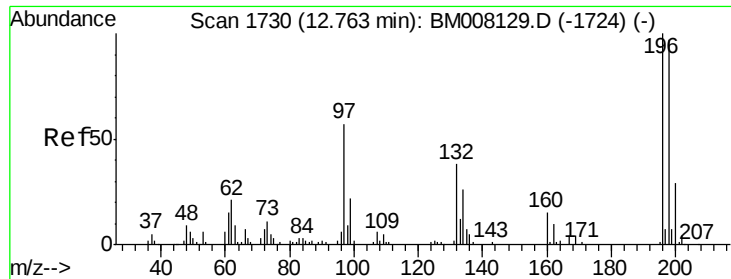
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#36
1,2,4,5-Tetrachlorobenzene
Concen: 7.20 ng/ul
RT: 12.52 min Scan# 1688
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
216	100		
214	74.0	62.0	93.0
179	20.2	16.2	24.4
108	17.0	11.8	17.6





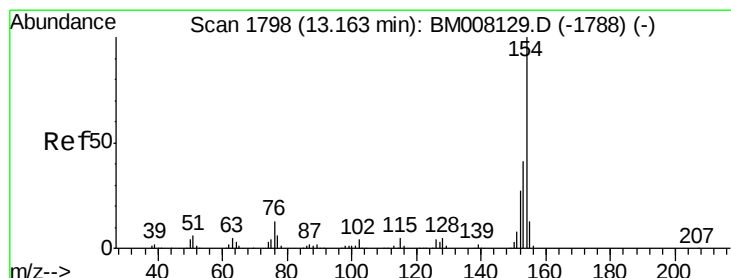
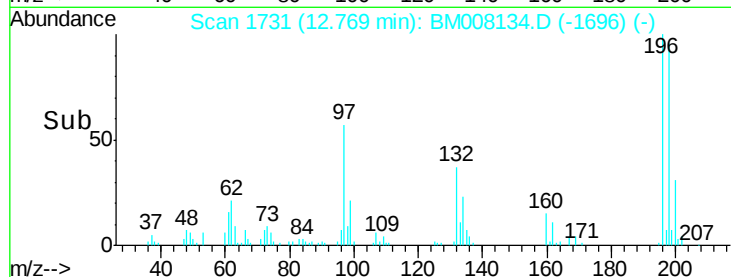
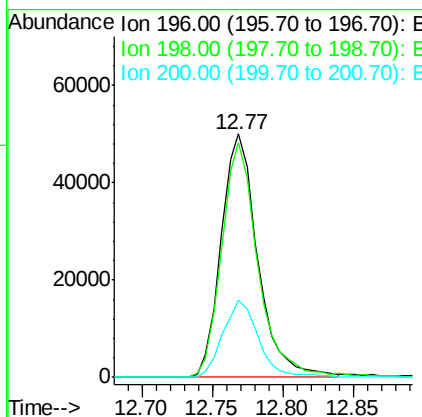
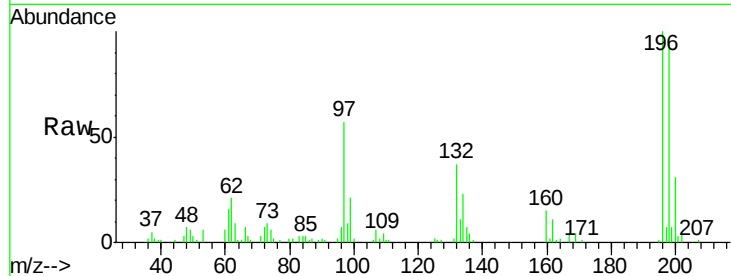
#38
 2,4,6-Trichlorophenol
 Concen: 14.42 ng/ul
 RT: 12.77 min Scan# 1731
 Delta R.T. 0.01 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampled :
 A4WC1

Tot Ion	Ratio	Resp	Lower	Upper
196	100	90599		
198	96.4		78.8	118.2
200	31.5		25.7	38.5

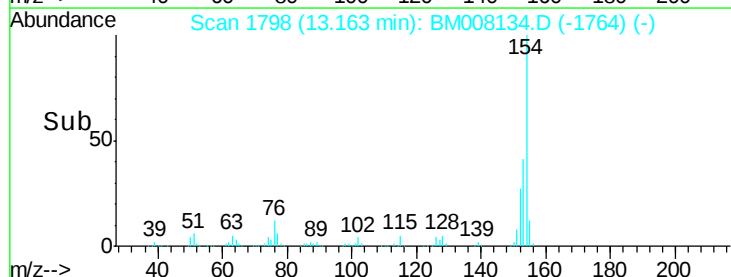
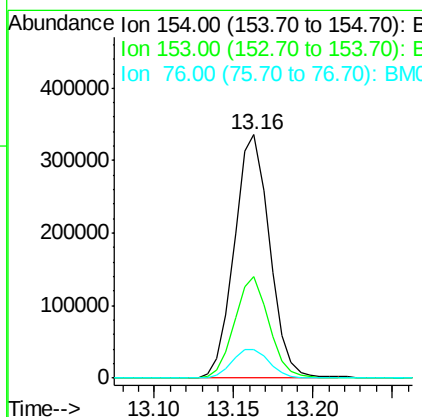
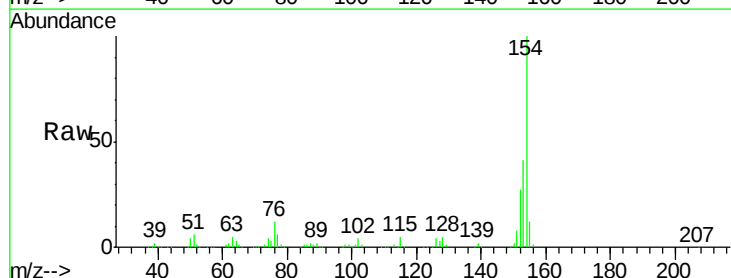
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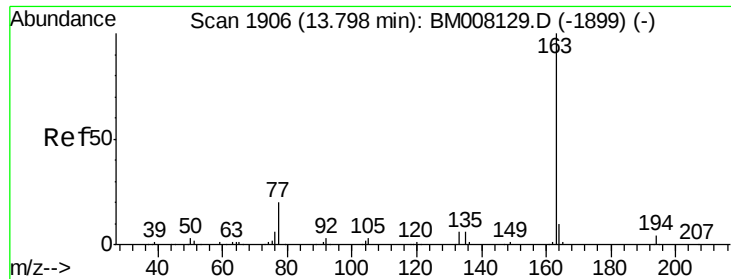
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#40
 1,1'-Biphenyl
 Concen: 22.90 ng/ul
 RT: 13.16 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	520730		
153	41.5		32.2	48.4
76	11.9		9.8	14.6





#44

Dimethylphthalate

Concen: 19.63 ng/ul

RT: 13.80 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BM008134.D

Acq: 01 Dec 2016 13:05

Instrument :

BNA_M

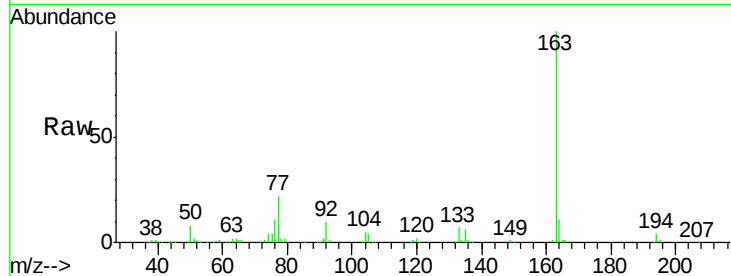
ClientSampled :

A4WC1

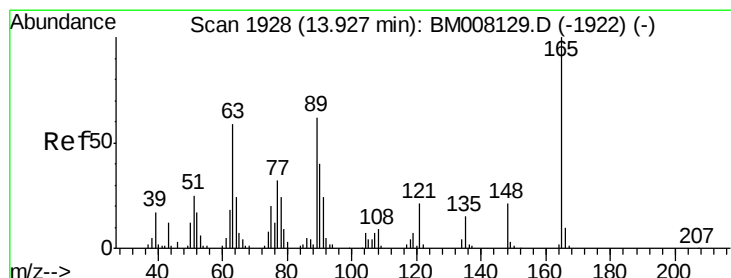
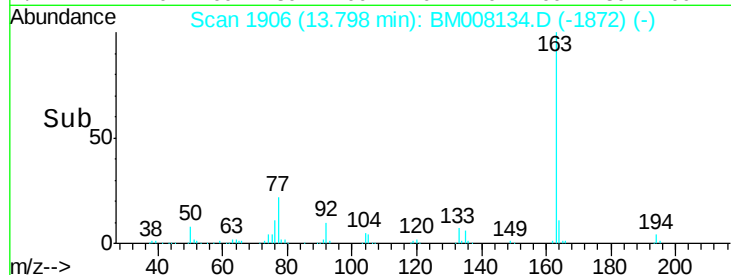
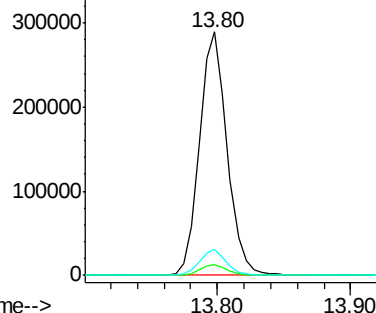
Tot Ion:	163	Resp:	418492
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	10.6	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 16.90 ng/ul

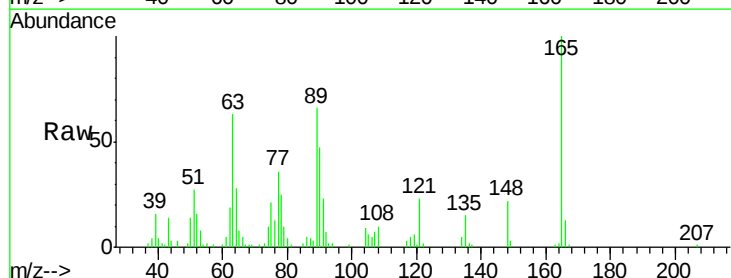
RT: 13.93 min Scan# 1928

Delta R.T. 0.00 min

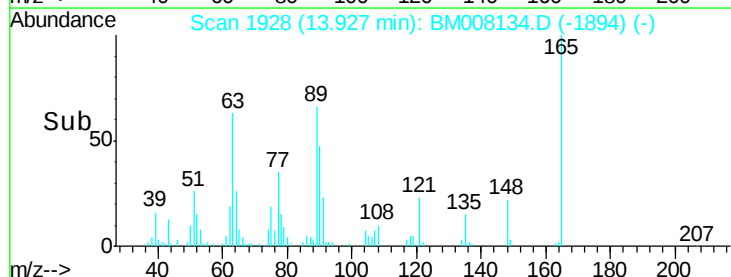
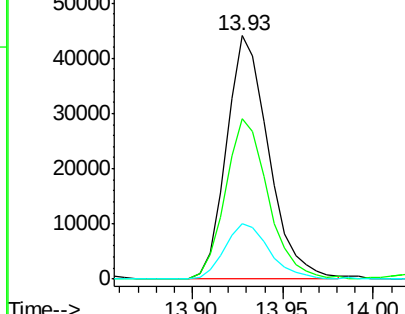
Lab File: BM008134.D

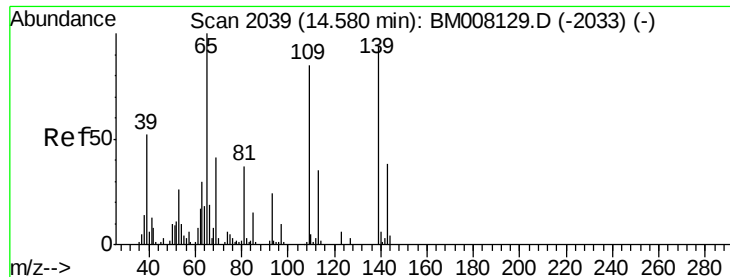
Acq: 01 Dec 2016 13:05

Tgt Ion:	165	Resp:	71429
Ion Ratio	Lower	Upper	
165	100		
89	66.0	50.6	76.0
121	22.6	18.2	27.2



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





#52

4-Nitrophenol

Concen: 31.39 ng/ul

RT: 14.58 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BM008134.D

Acq: 01 Dec 2016 13:05

Instrument :

BNA_M

ClientSampleId :

A4WC1

Tot Ion:109 Resp: 99133

Ion Ratio Lower Upper

109 100

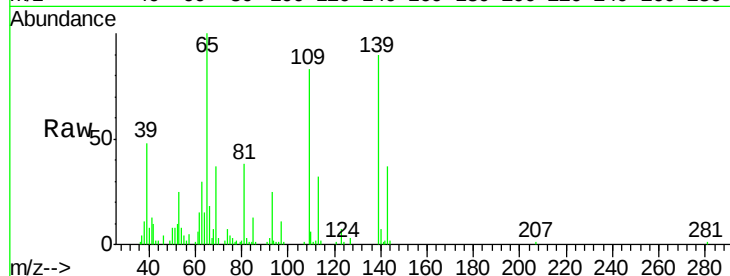
139 109.1 85.4 128.2

65 120.7 97.7 146.5

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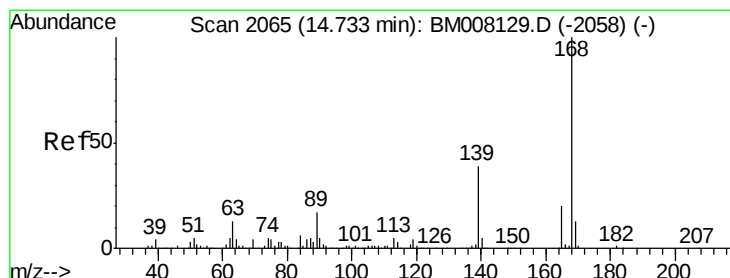
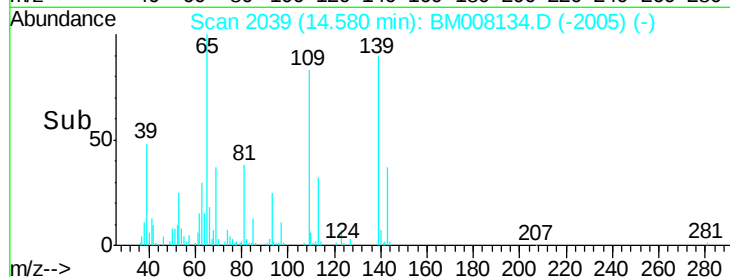
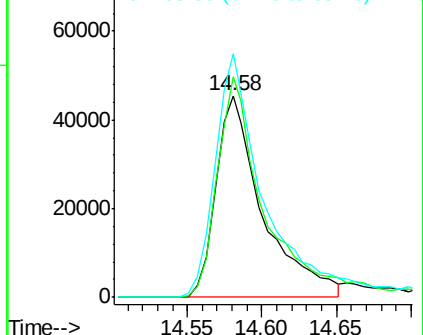
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Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#53

Dibenzofuran

Concen: 10.30 ng/ul

RT: 14.74 min Scan# 2066

Delta R.T. 0.01 min

Lab File: BM008134.D

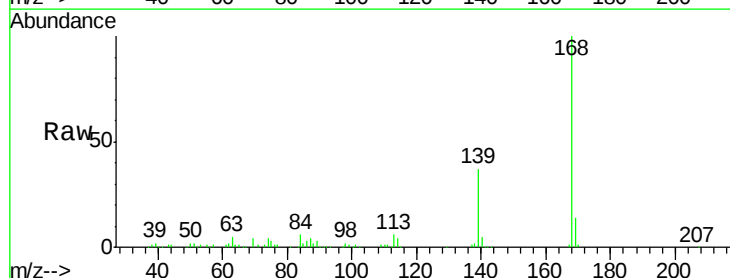
Acq: 01 Dec 2016 13:05

Tgt Ion:168 Resp: 269892

Ion Ratio Lower Upper

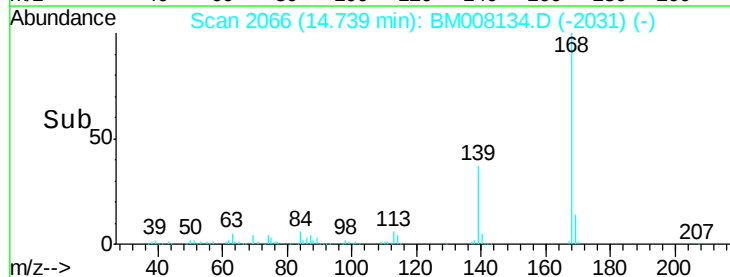
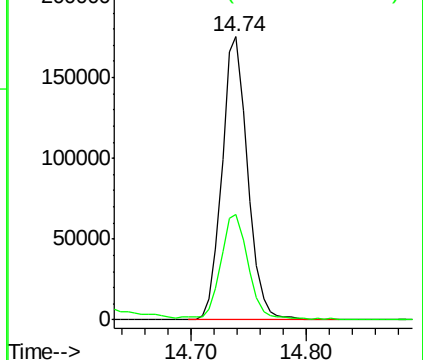
168 100

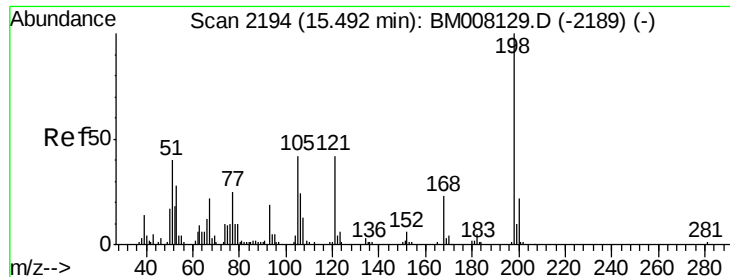
139 37.1 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





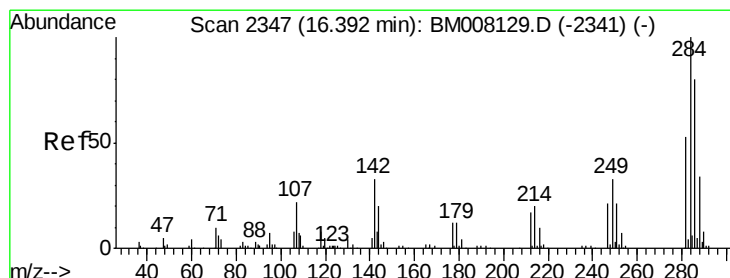
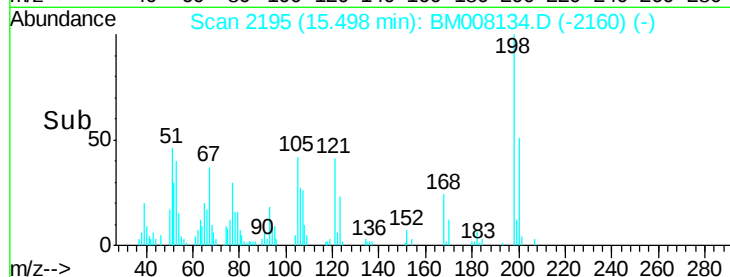
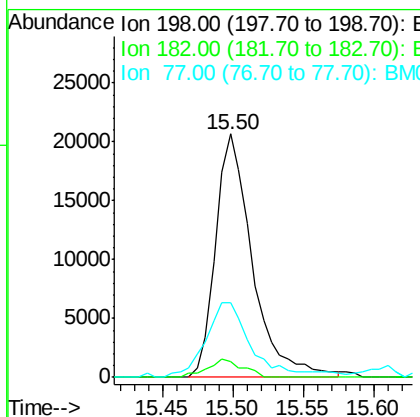
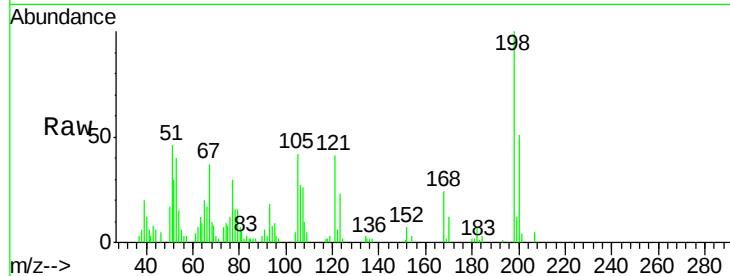
#63
 4,6-Dinitro-2-methylphenol
 Concen: 8.92 ng/ul
 RT: 15.50 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampled :
 A4WC1

Tot Ion	Ratio	Resp	Lower	Upper
198	100	37549		
182	6.7	4.4	6.6#	
77	30.4	20.5	30.7	

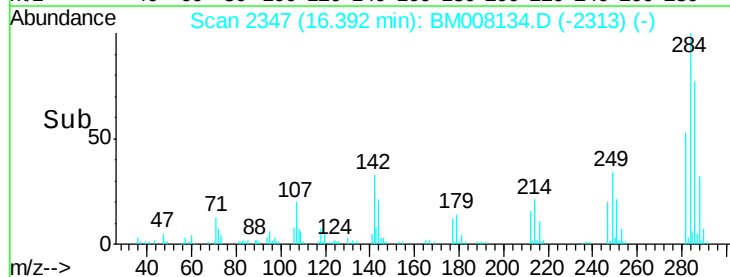
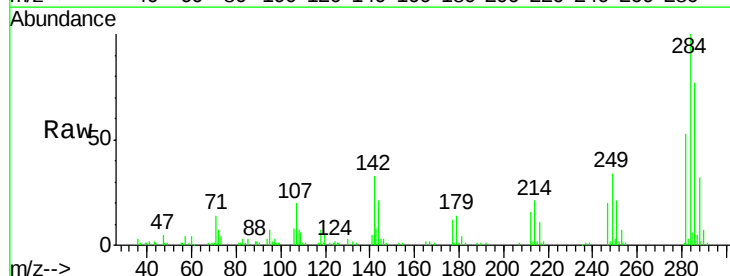
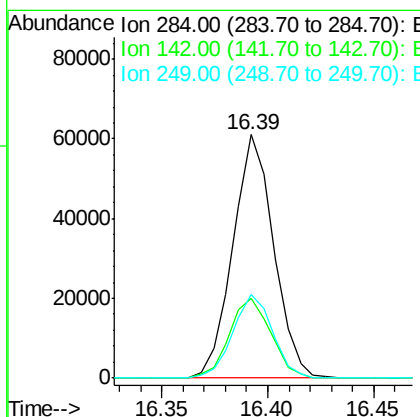
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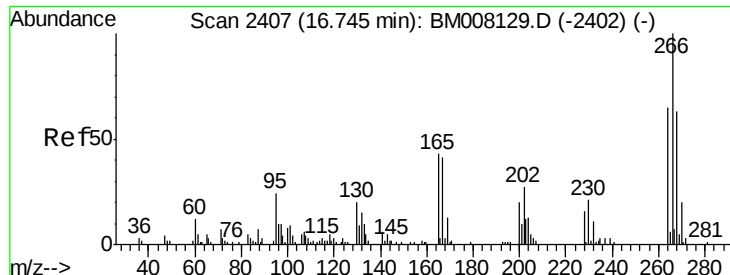
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#66
 Hexachlorobenzene
 Concen: 9.67 ng/ul
 RT: 16.39 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	81753		
142	32.8	26.2	39.2	
249	34.2	24.6	36.8	





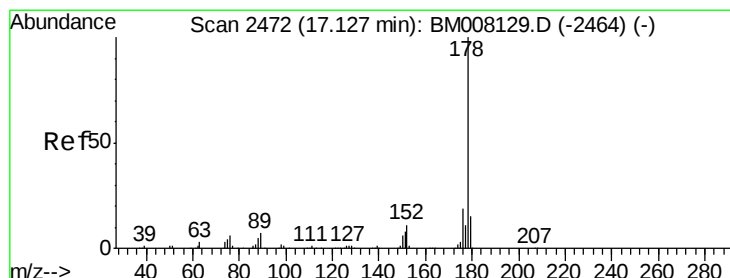
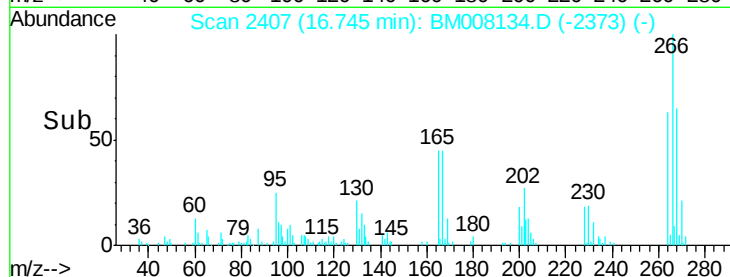
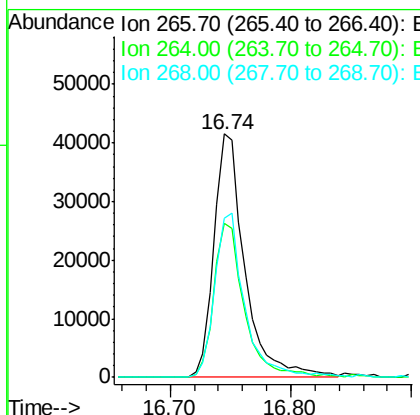
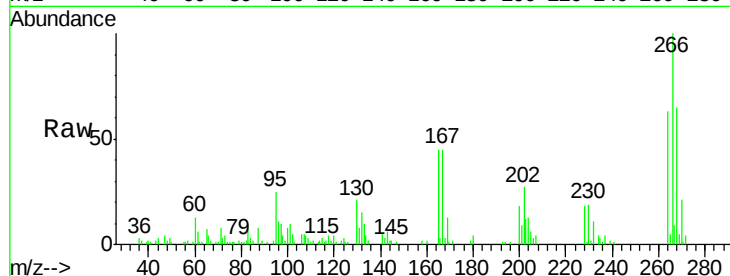
#68
 Pentachlorophenol
 Concen: 15.01 ng/ul
 RT: 16.74 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampled :
 A4WC1

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.6	75.8
268	65.3	49.1	73.7

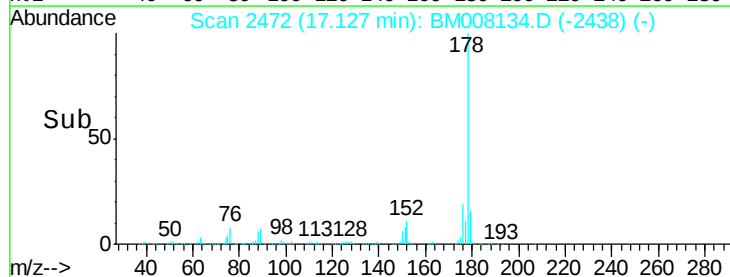
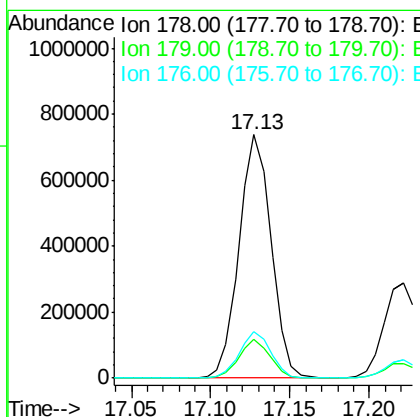
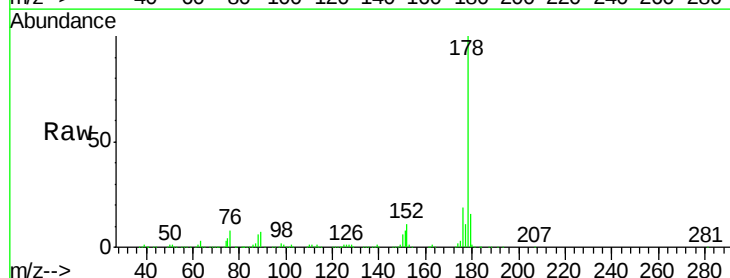
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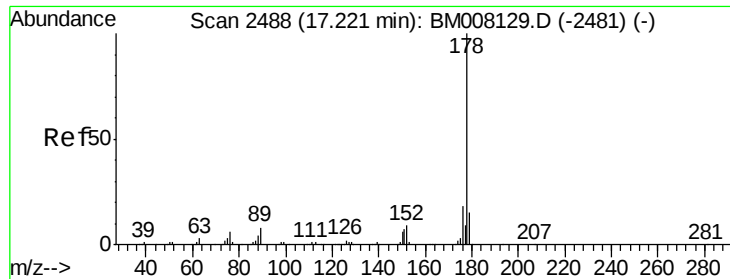
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#69
 Phenanthrene
 Concen: 30.17 ng/ul
 RT: 17.13 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	19.1	14.7	22.1





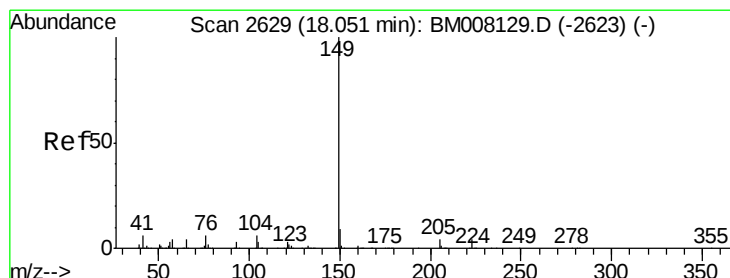
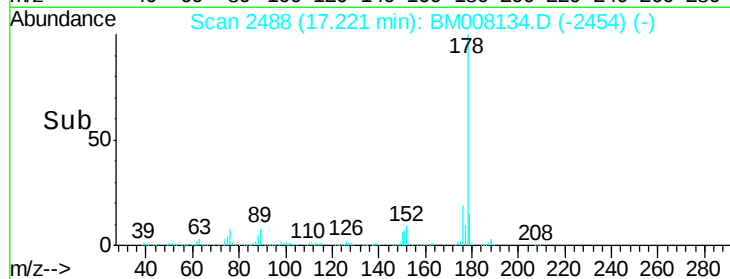
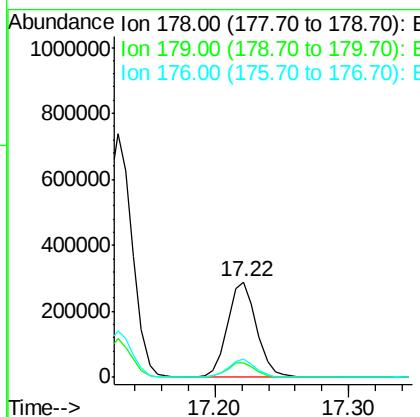
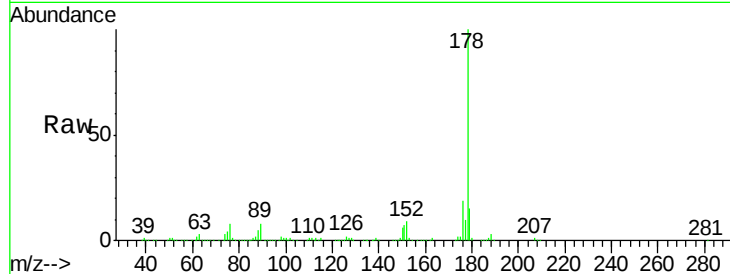
#71
 Anthracene
 Concen: 12.45 ng/ul
 RT: 17.22 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampled :
 A4WC1

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.8	17.8
176	18.6	14.6	21.8

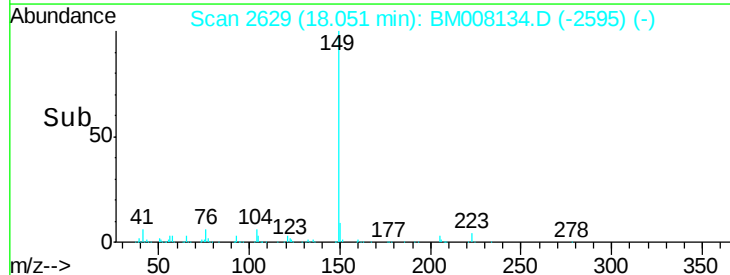
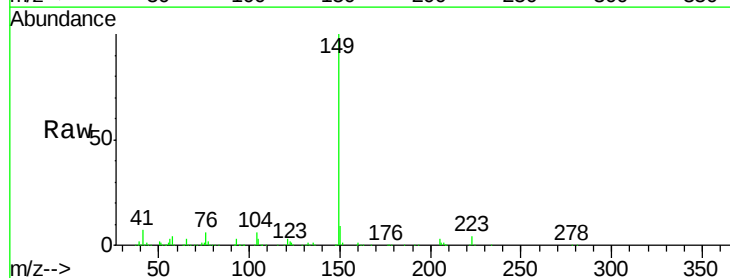
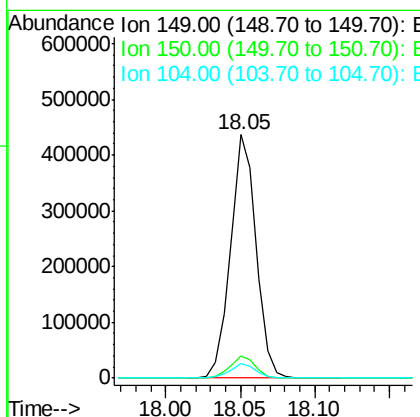
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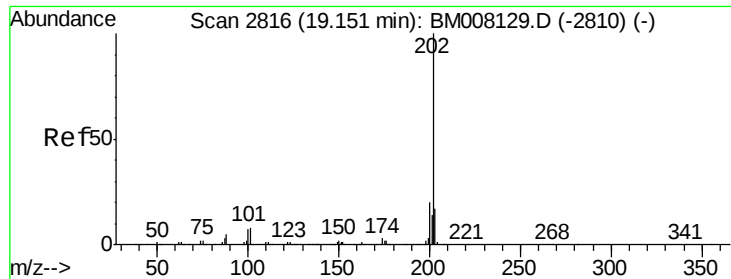
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#73
 Di-n-butylphthalate
 Concen: 14.53 ng/ul
 RT: 18.05 min Scan# 2629
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	6.2	4.5	6.7





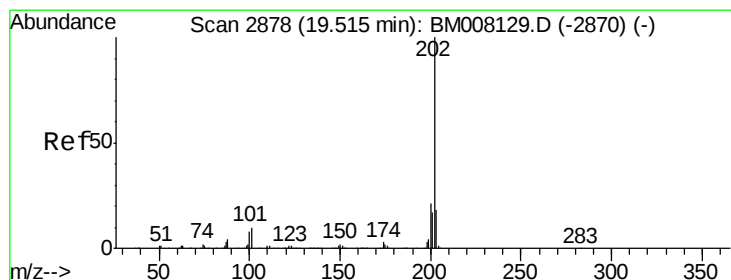
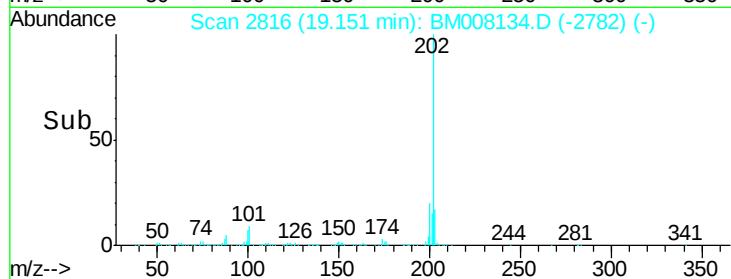
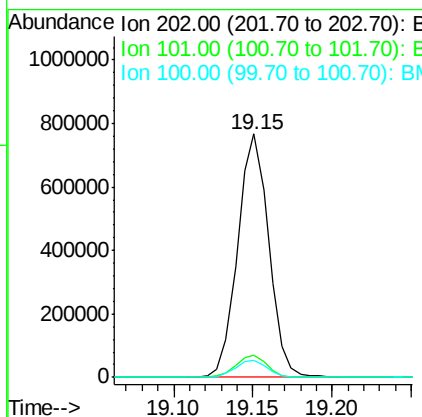
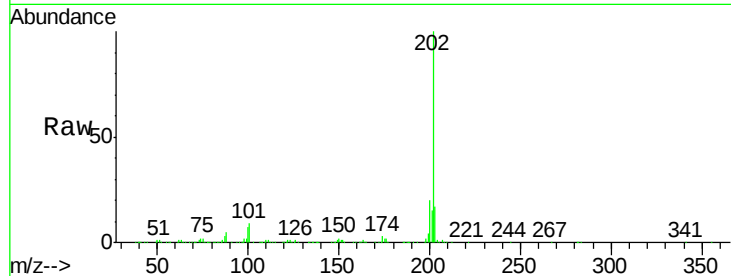
#74
 Fluoranthene
 Concen: 26.06 ng/ul
 RT: 19.15 min Scan# 2816
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampleID :
 A4WC1

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.1	10.7
100	6.8	5.4	8.0

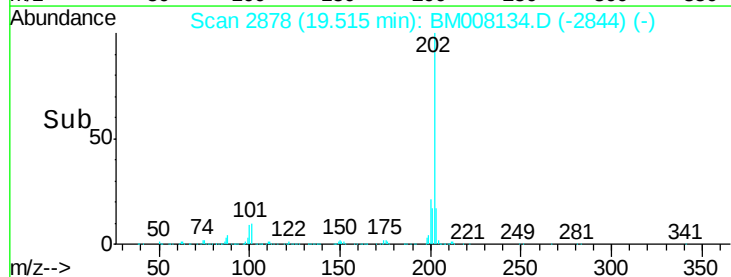
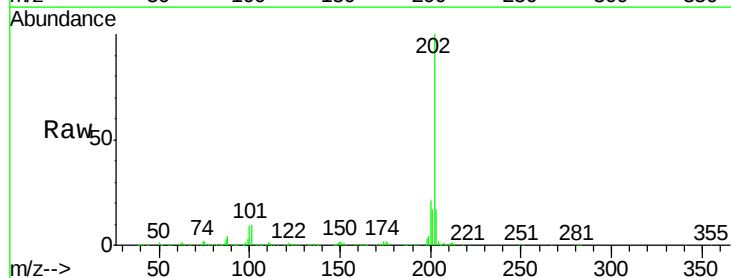
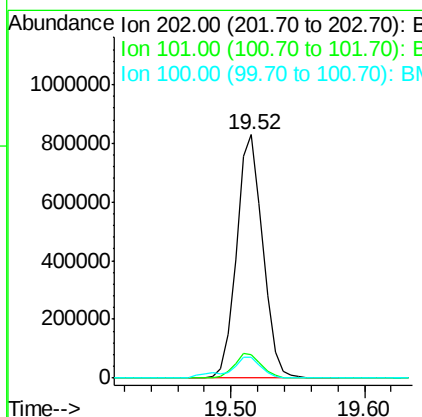
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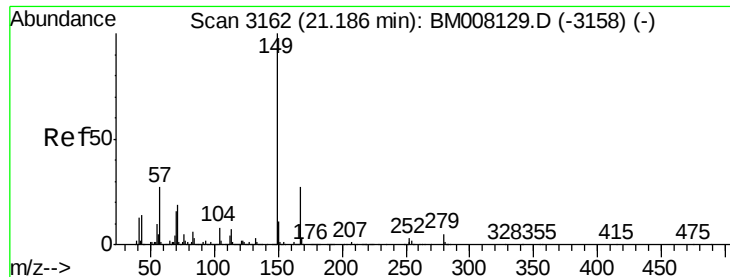
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#77
 Pyrene
 Concen: 28.45 ng/ul
 RT: 19.52 min Scan# 2878
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.6	12.8
100	8.5	6.5	9.7





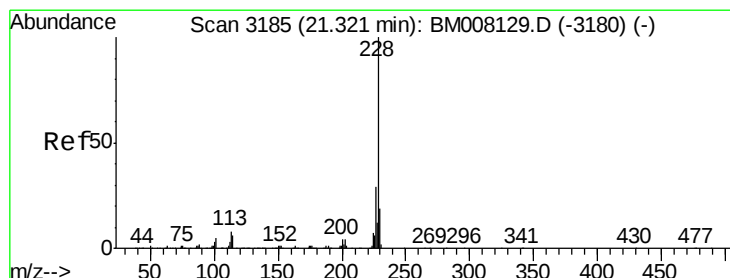
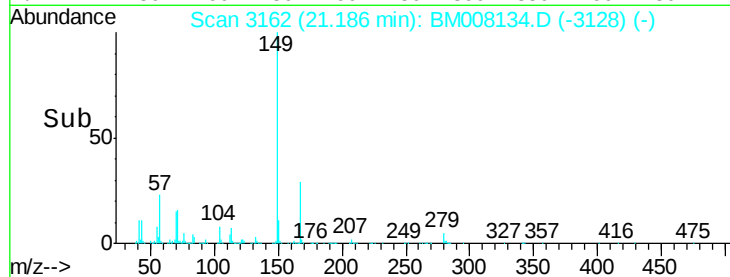
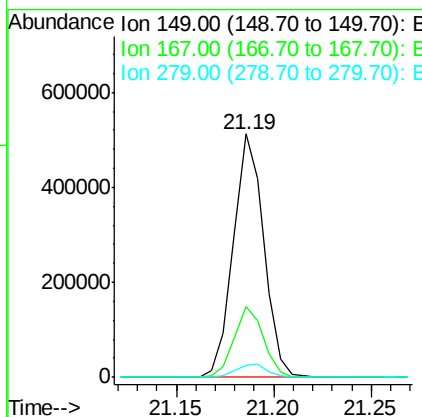
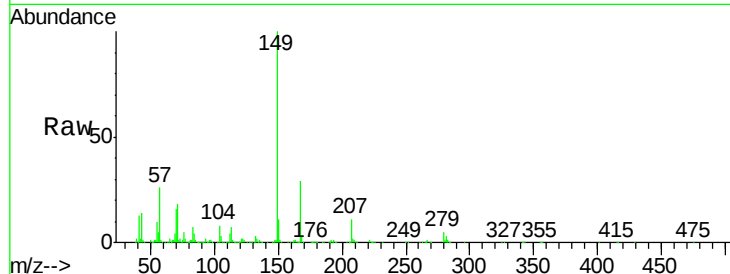
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 24.00 ng/ul
 RT: 21.19 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampleId :
 A4WC1

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.5	33.7
279	5.1	4.3	6.5

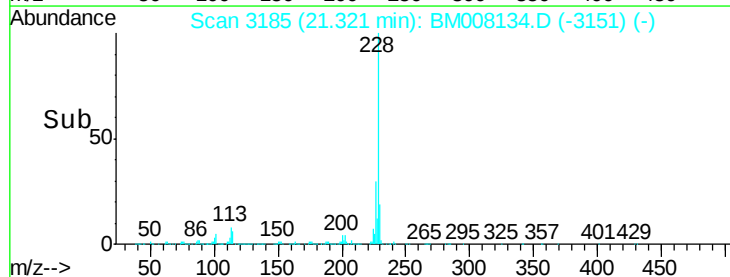
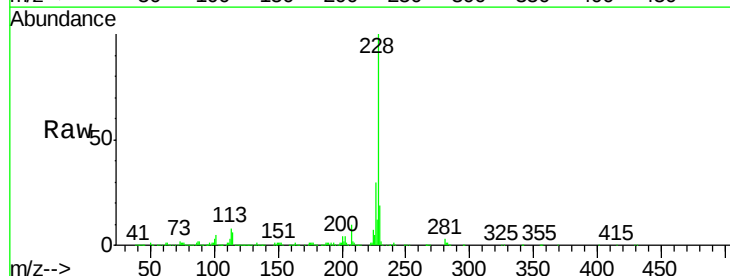
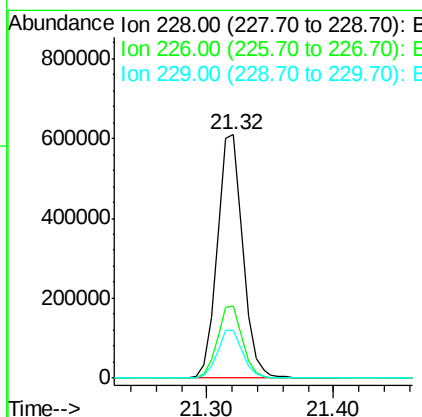
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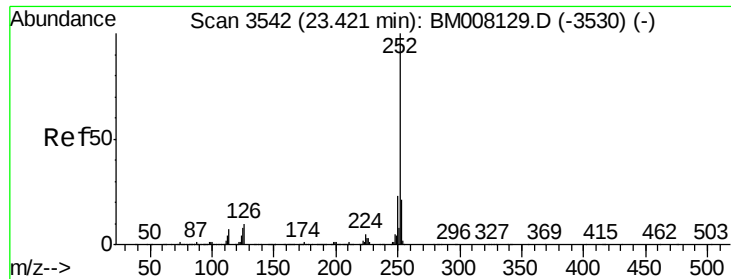
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#82
 Chrysene
 Concen: 22.76 ng/ul
 RT: 21.32 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	19.5	15.4	23.0





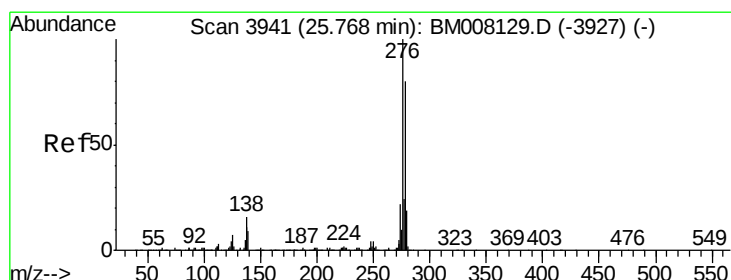
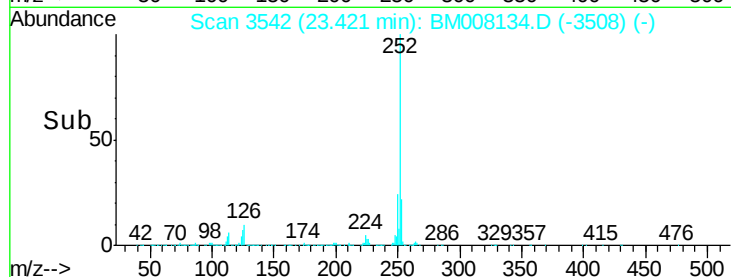
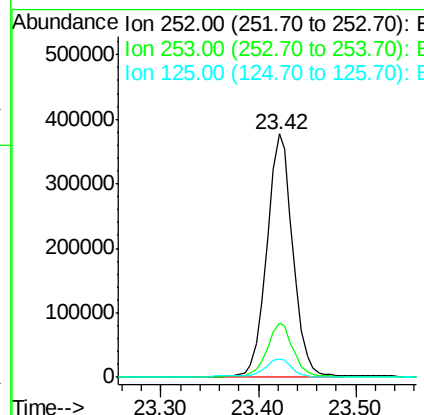
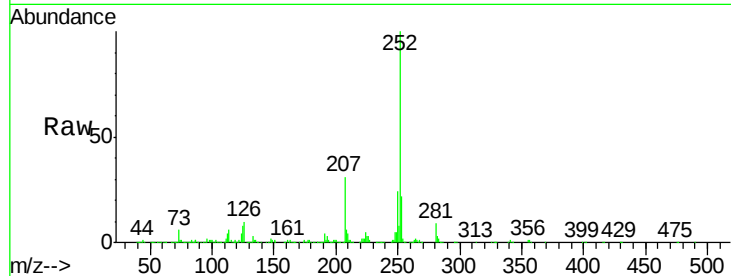
#88
Benzo(a)pyrene
Concen: 20.54 ng/ul
RT: 23.42 min Scan# 3542
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Instrument :
BNA_M
ClientSampled :
A4WC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	7.6	6.2	9.2

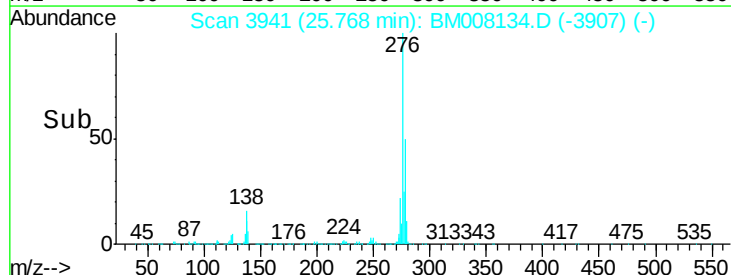
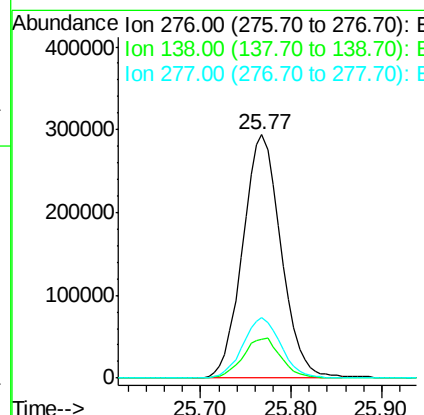
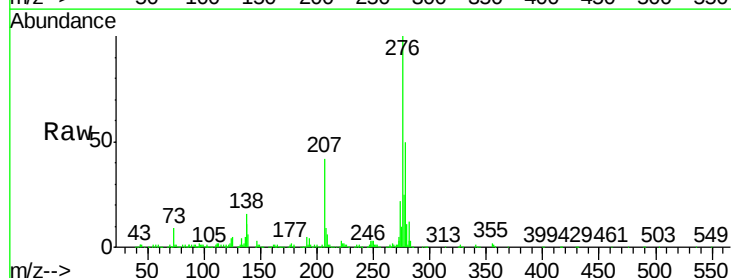
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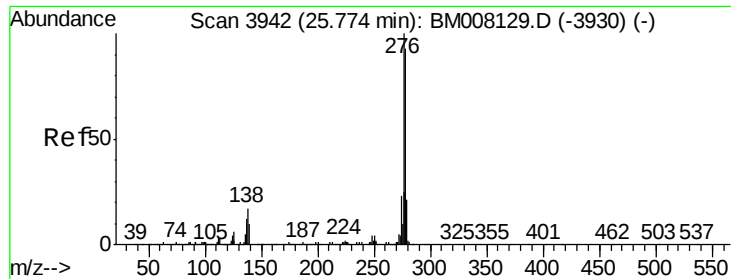
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#89
Indeno(1,2,3-cd)pyrene
Concen: 20.65 ng/ul
RT: 25.77 min Scan# 3941
Delta R.T. 0.00 min
Lab File: BM008134.D
Acq: 01 Dec 2016 13:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.1	21.1
277	24.9	19.7	29.5





#90
 Dibenzo(a,h)anthracene
 Concen: 12.94 ng/ul
 RT: 25.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: BM008134.D
 Acq: 01 Dec 2016 13:05

Instrument :
 BNA_M
 ClientSampleId :
 A4WC1

Tot Ion:	278	Resp:	457108
Ion Ratio		Lower	Upper
278	100		
139	12.3	9.3	13.9
279	24.2	18.9	28.3

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