

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113016\
 Data File : BM008123.D
 Acq On : 30 Nov 2016 21:34
 Operator : UM/SJ
 Sample : H5701-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WC2

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Quant Time: Dec 01 10:16:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 30 00:32:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	119263	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	488089	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	318722	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	596396	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	611069	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	590668	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	9044	3.75	ng/uL	0.00
5) Phenol-d5	6.88	99	239294	26.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	152072	29.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	191796	27.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	192813	27.90	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	96538	27.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	90947	22.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	187143	25.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	42161	5.96	ng/ul	0.02
43) Dimethylphthalate-d6	13.75	166	427637	20.82	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	778724	30.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	65503m	20.64	ng/ul	0.00
57) Fluorene-d10	15.33	176	585817	33.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.49	200	35983	10.16	ng/ul	0.00
70) Anthracene-d10	17.19	188	982154	38.28	ng/ul	0.00
76) Pyrene-d10	19.49	212	1106409	44.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	1040816	42.30	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.86	77	231392	35.96 ng/ul	99
10) 2-Chlorophenol	7.27	128	28216	4.00 ng/ul	98
23) 2-Nitrophenol	9.60	139	124646	30.66 ng/ul	96
28) Naphthalene	10.52	128	171434	7.56 ng/ul	100
31) Hexachlorobutadiene	10.80	225	101690	18.06 ng/ul	98
33) 4-Chloro-3-methylphenol	11.79	107	82427	10.80 ng/ul	98
36) 1,2,4,5-Tetrachlorobenzene	12.52	216	71439	7.22 ng/ul	97
38) 2,4,6-Trichlorophenol	12.77	196	84751	14.28 ng/ul	96
40) 1,1'-Biphenyl	13.16	154	491708	22.89 ng/ul	98
44) Dimethylphthalate	13.80	163	370135	18.37 ng/ul	100
45) 2,6-Dinitrotoluene	13.93	165	63700	15.95 ng/ul	98
52) 4-Nitrophenol	14.59	109	89976	30.16 ng/ul	95
53) Dibenzofuran	14.74	168	246134	9.94 ng/ul	100
63) 4,6-Dinitro-2-methylphenol	15.50	198	29332	8.05 ng/ul#	84
66) Hexachlorobenzene	16.40	284	70389	9.62 ng/ul	96
68) Pentachlorophenol	16.75	266	58824	13.90 ng/ul	95
69) Phenanthrene	17.13	178	885843	29.71 ng/ul	99
71) Anthracene	17.22	178	376191	12.36 ng/ul	98
73) Di-n-butylphthalate	18.05	149	414873	13.24 ng/ul	99
74) Fluoranthene	19.15	202	835841	24.14 ng/ul	100
77) Pyrene	19.52	202	894765	28.46 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.19	149	416689	22.84 ng/ul	100
82) Chrysene	21.32	228	677390	22.75 ng/ul	100

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 00:32:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.42	252	610584	20.09	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.77	276	824385	22.24	ng/ul	99
90) Dibenzo(a,h)anthracene	25.77	278	438915	14.04	ng/ul	97

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

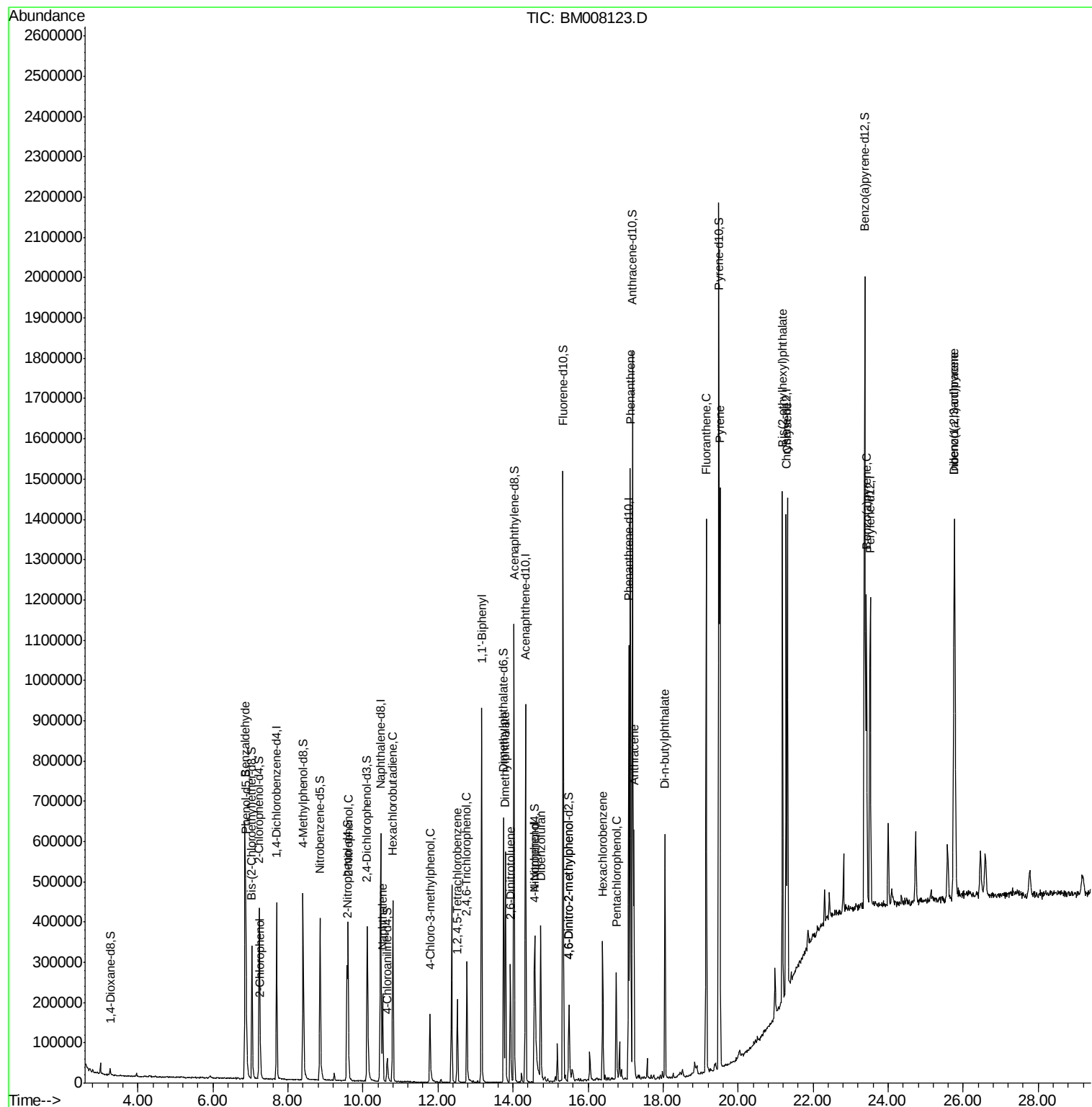
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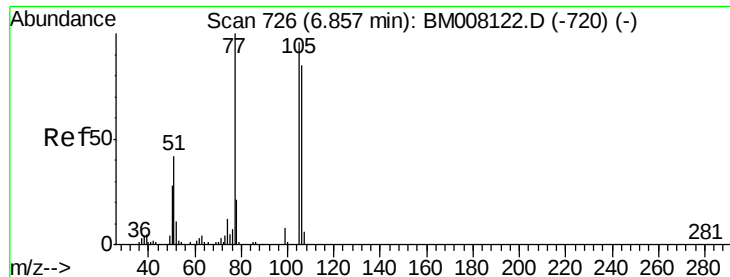
Instrument :
BNA_M
ClientSampled :
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#4

Benzaldehyde

Concen: 35.96 ng/ul

RT: 6.86 min Scan# 726

Delta R.T. -0.01 min

Lab File: BM008123.D

Acq: 30 Nov 2016 21:34

Instrument :

BNA_M

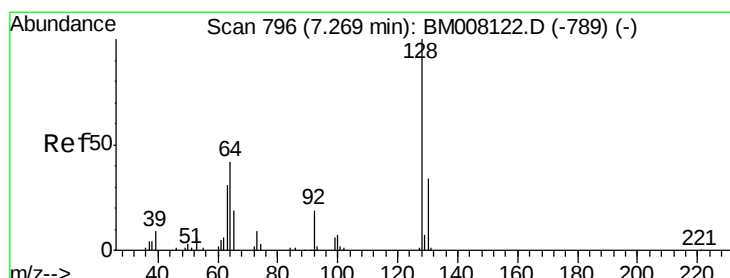
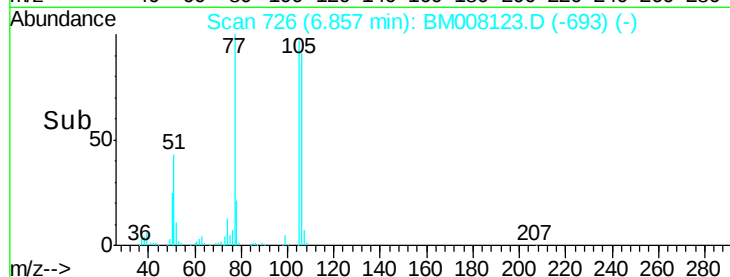
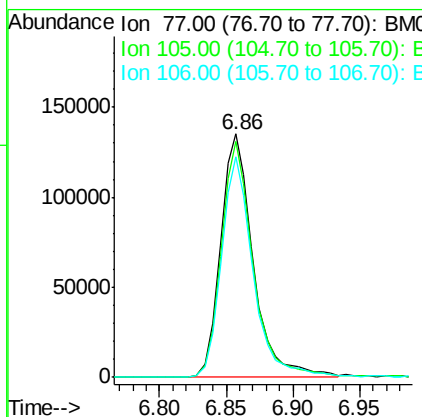
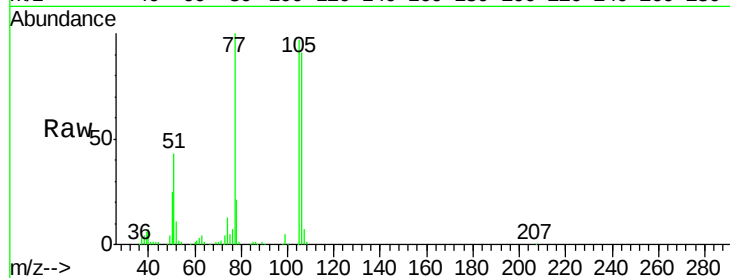
ClientSampleId :

A4WC2

Tot Ion:	77	Resp:	231392
Ion	Ratio	Lower	Upper
77	100		
105	96.9	76.5	114.7
106	90.5	71.3	106.9

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#10

2-Chlorophenol

Concen: 4.00 ng/ul

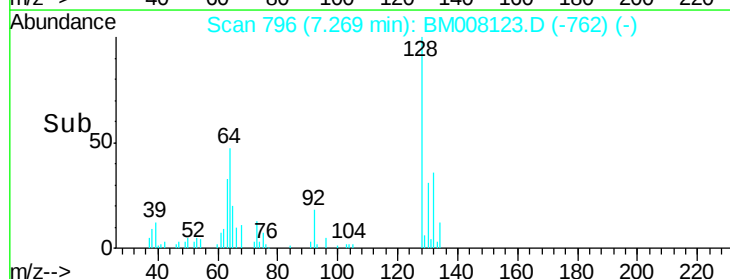
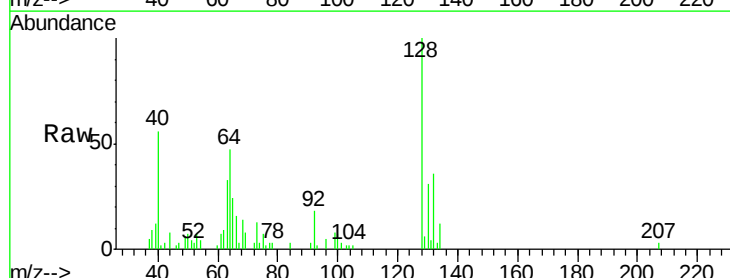
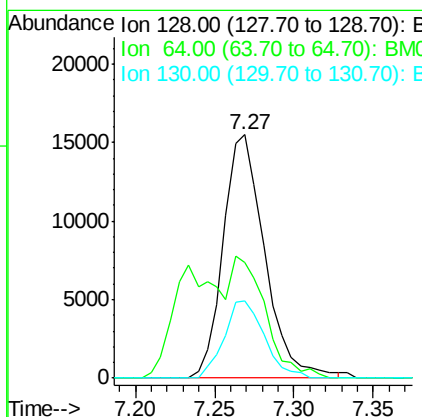
RT: 7.27 min Scan# 796

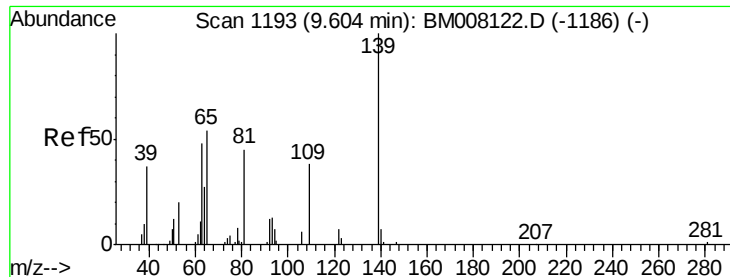
Delta R.T. 0.00 min

Lab File: BM008123.D

Acq: 30 Nov 2016 21:34

Tgt Ion:	128	Resp:	28216
Ion	Ratio	Lower	Upper
128	100		
64	47.3	38.7	58.1
130	31.5	26.9	40.3





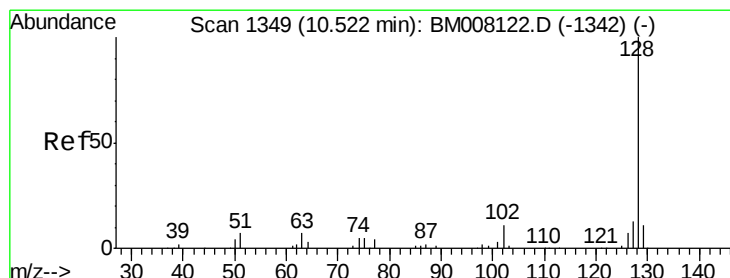
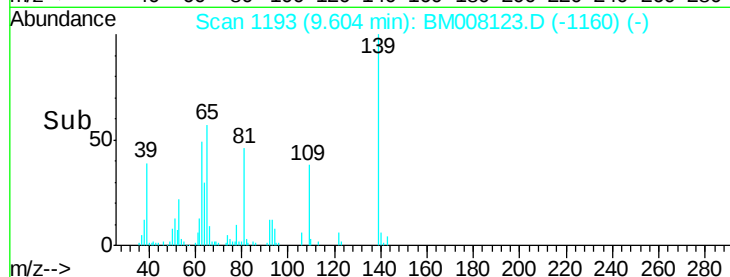
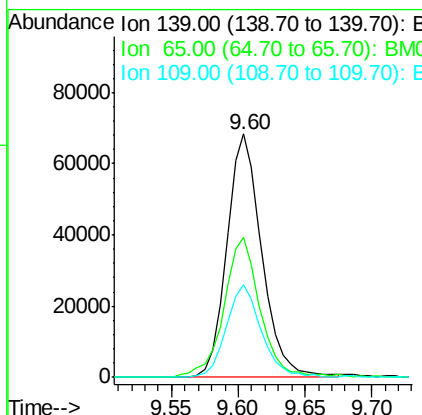
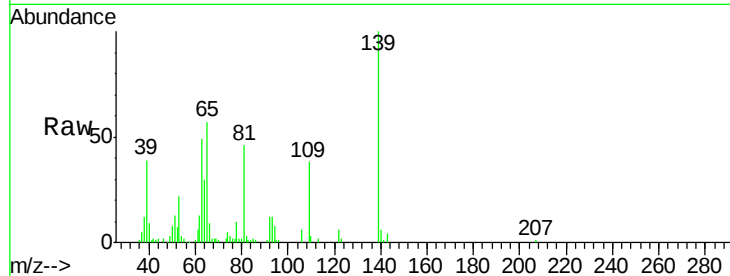
#23
2-Nitrophenol
Concen: 30.66 ng/ul
RT: 9.60 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Resp	Lower	Upper
139	100	124646		
65	57.4	42.3	63.5	
109	37.8	29.7	44.5	

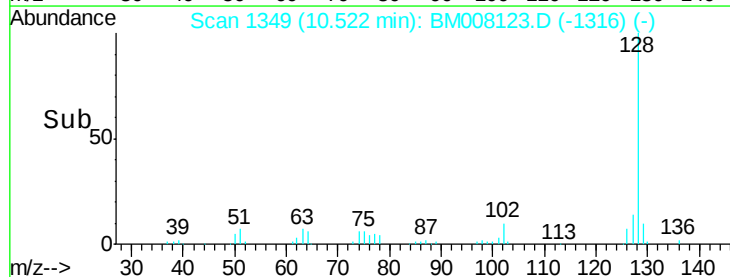
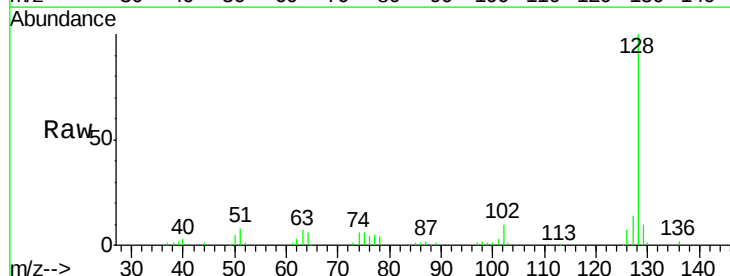
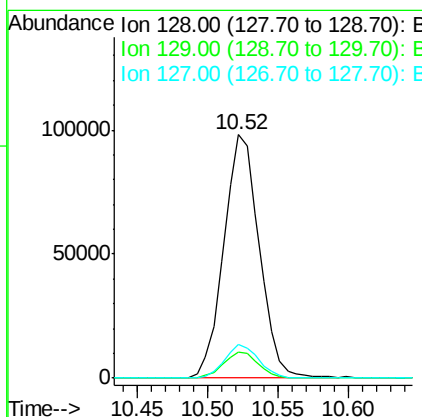
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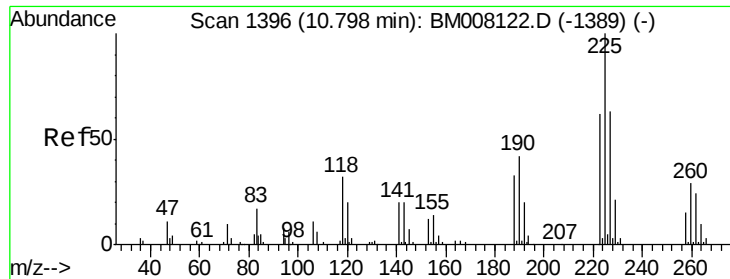
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#28
Naphthalene
Concen: 7.56 ng/ul
RT: 10.52 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	171434		
129	10.4	8.3	12.5	
127	13.6	10.6	16.0	





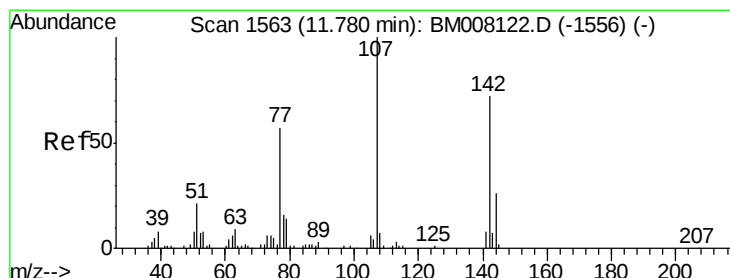
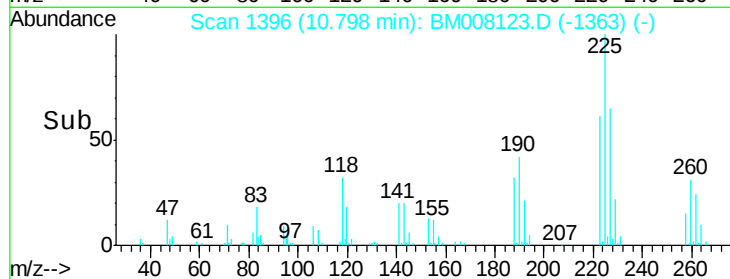
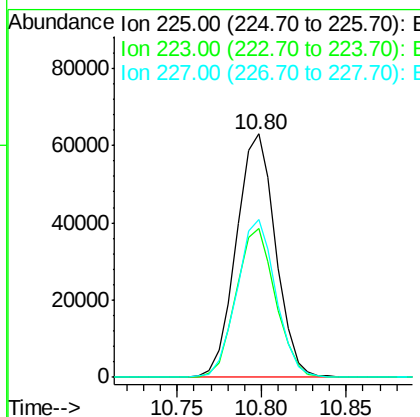
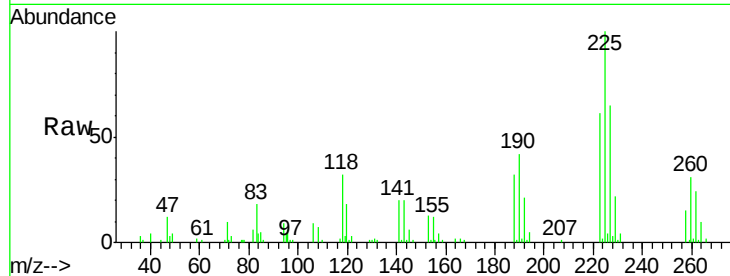
#31
Hexachlorobutadiene
Concen: 18.06 ng/ul
RT: 10.80 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Lower	Upper
225	100		
223	61.0	47.8	71.8
227	64.9	53.2	79.8

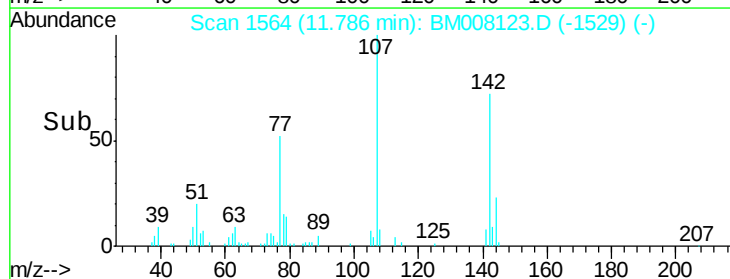
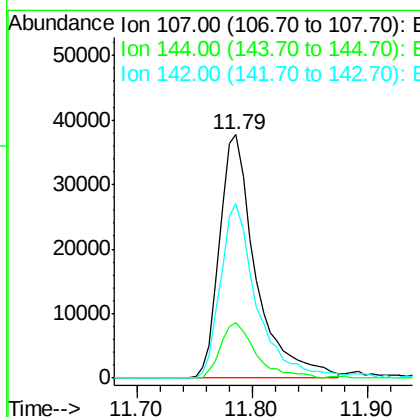
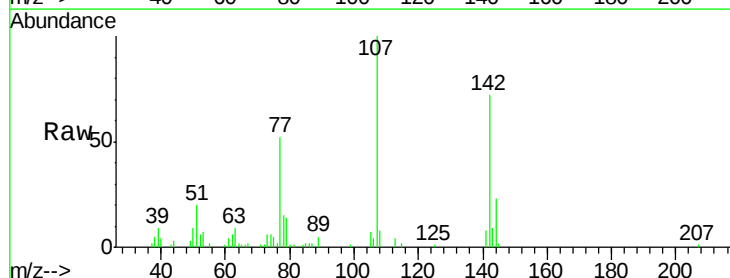
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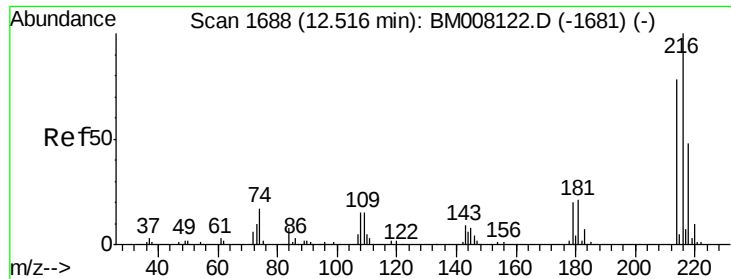
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#33
4-Chloro-3-methylphenol
Concen: 10.80 ng/ul
RT: 11.79 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.8	19.4	29.2
142	71.5	58.0	87.0





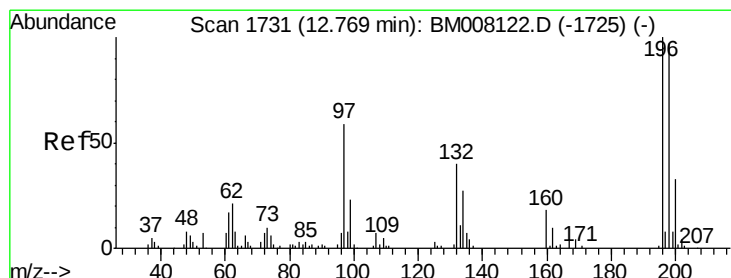
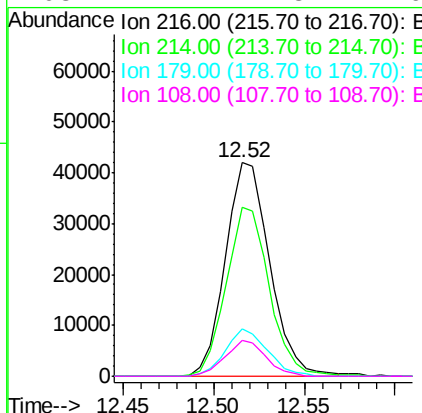
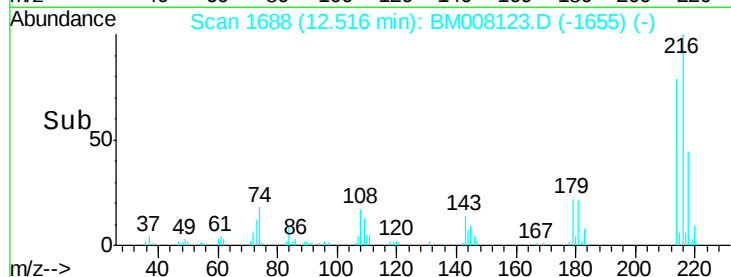
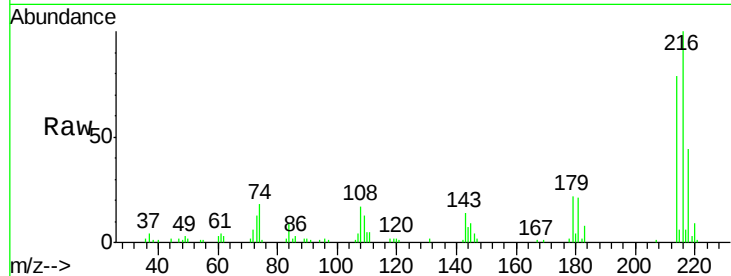
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.22 ng/ul
 RT: 12.52 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BM008123.D
 Acq: 30 Nov 2016 21:34

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Tot Ion:	216	Resp:	71439
Ion Ratio	Lower	Upper	
216	100		
214	79.3	62.0	93.0
179	22.1	16.2	24.4
108	17.1	11.8	17.6

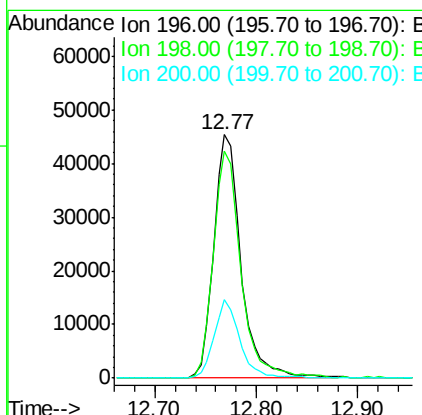
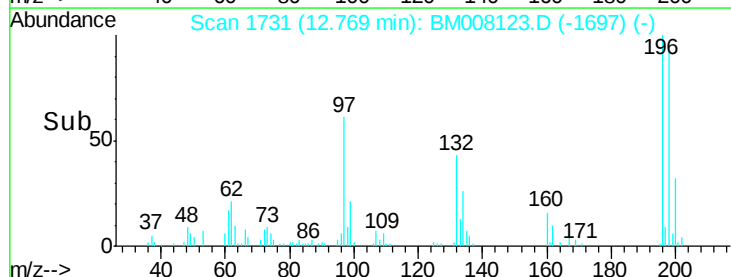
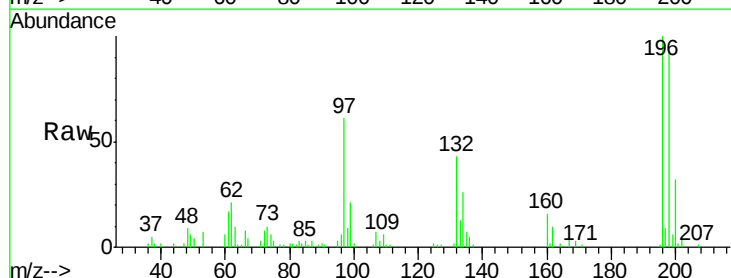
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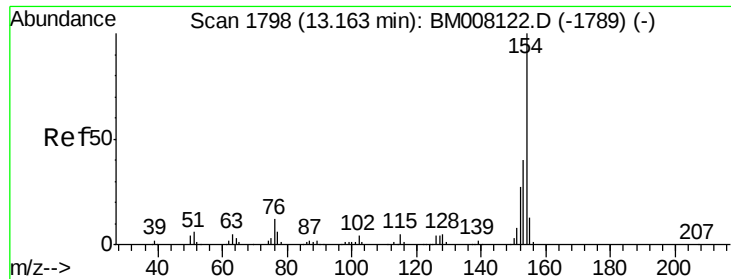
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#38
 2,4,6-Trichlorophenol
 Concen: 14.28 ng/ul
 RT: 12.77 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BM008123.D
 Acq: 30 Nov 2016 21:34

Tgt Ion:	196	Resp:	84751
Ion Ratio	Lower	Upper	
196	100		
198	93.2	78.8	118.2
200	32.0	25.7	38.5





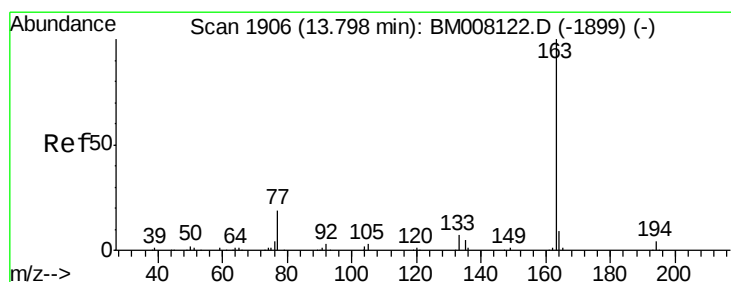
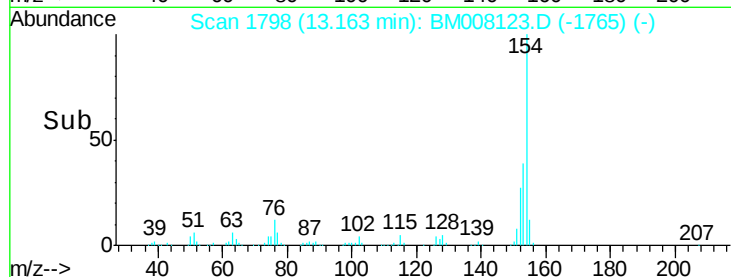
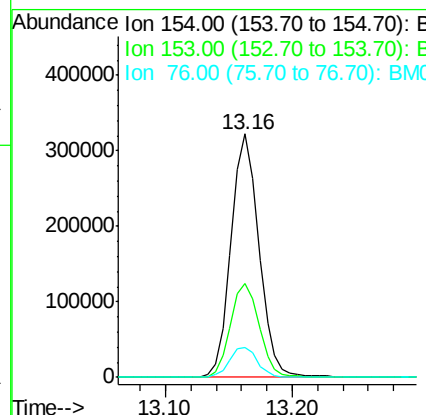
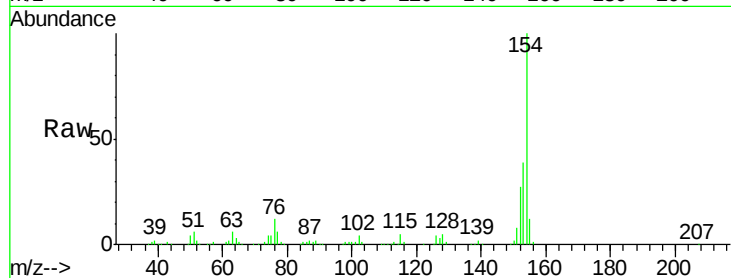
#40
 1,1'-Biphenyl
 Concen: 22.89 ng/ul
 RT: 13.16 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BM008123.D
 Acq: 30 Nov 2016 21:34

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Tot Ion:	154	Resp:	491708
Ion Ratio	Lower	Upper	
154	100		
153	38.6	32.2	48.4
76	12.3	9.8	14.6

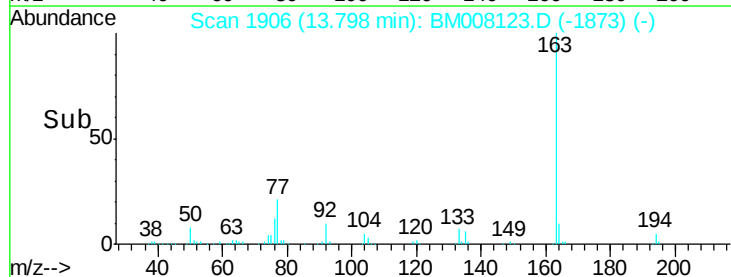
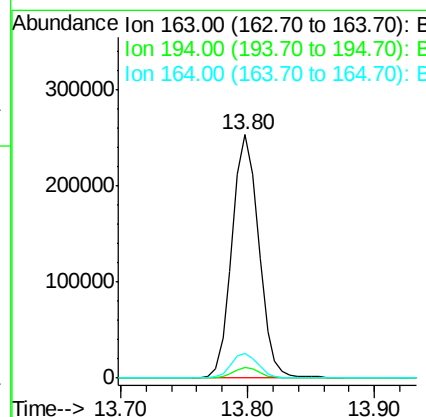
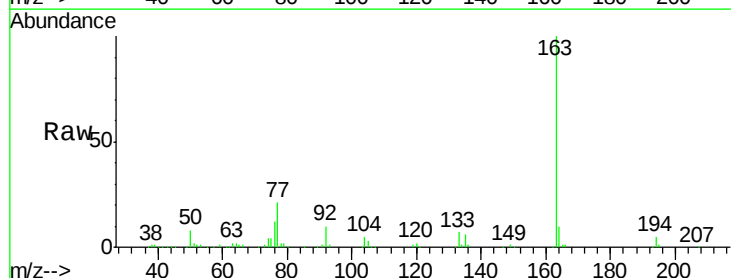
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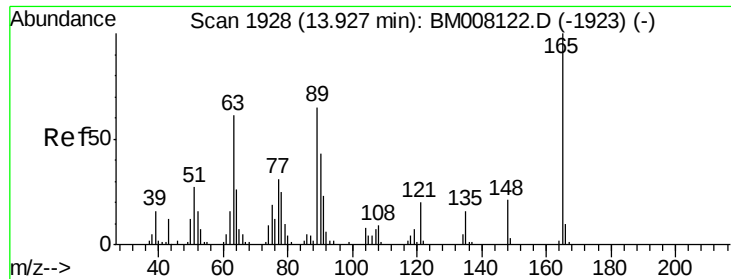
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#44
 Dimethylphthalate
 Concen: 18.37 ng/ul
 RT: 13.80 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BM008123.D
 Acq: 30 Nov 2016 21:34

Tgt Ion:	163	Resp:	370135
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	10.2	8.2	12.4





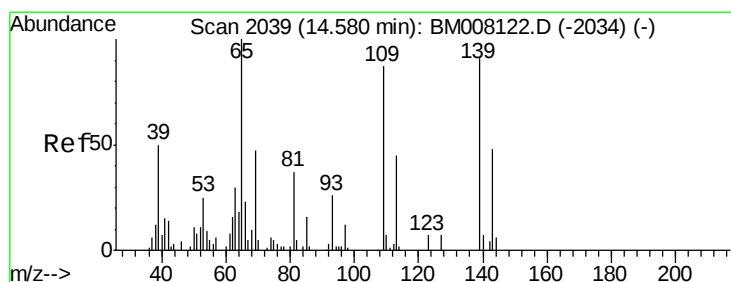
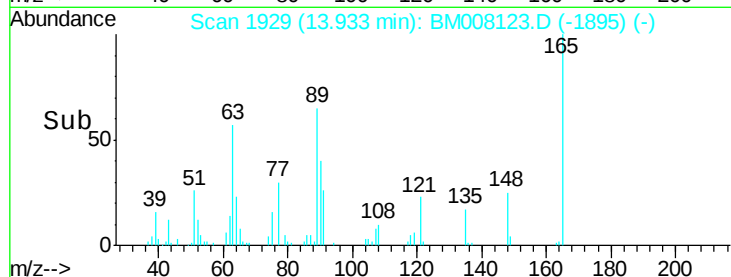
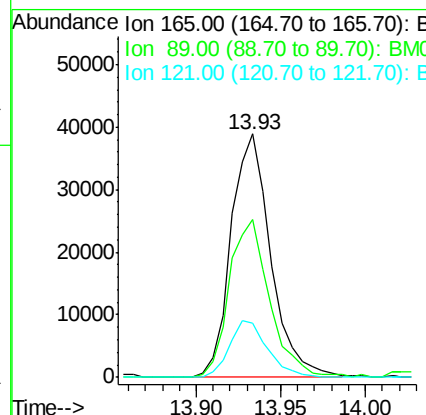
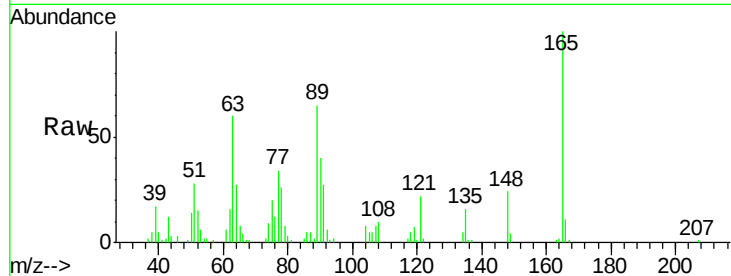
#45
2,6-Dinitrotoluene
Concen: 15.95 ng/ul
RT: 13.93 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampled :
A4WC2

Tot Ion	Ratio	Resp	Lower	Upper
165	100	63700		
89	64.8	50.6	76.0	
121	22.4	18.2	27.2	

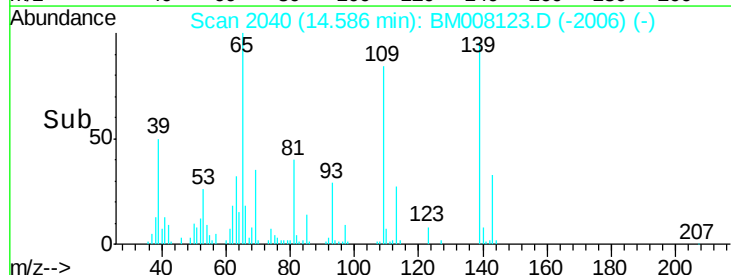
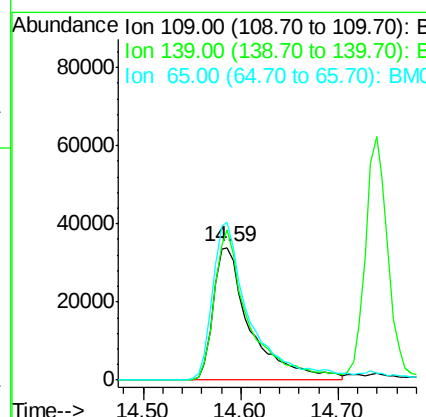
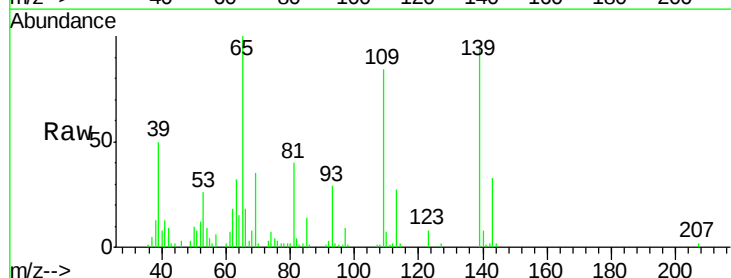
Manual Integrations
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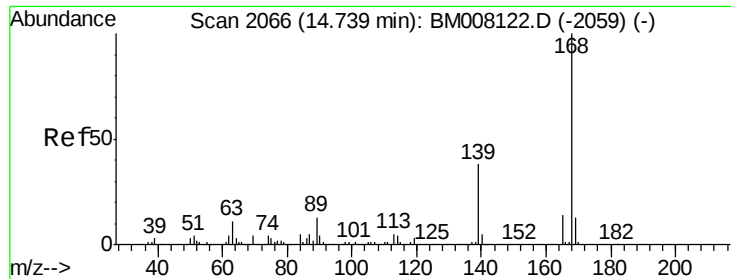
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#52
4-Nitrophenol
Concen: 30.16 ng/ul
RT: 14.59 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	89976		
139	113.9	85.4	128.2	
65	119.0	97.7	146.5	





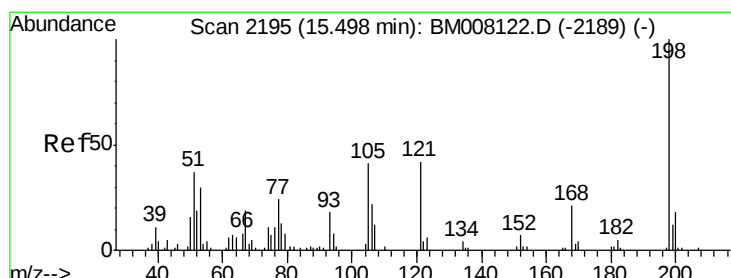
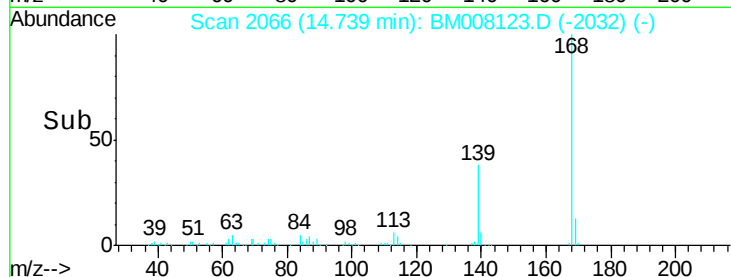
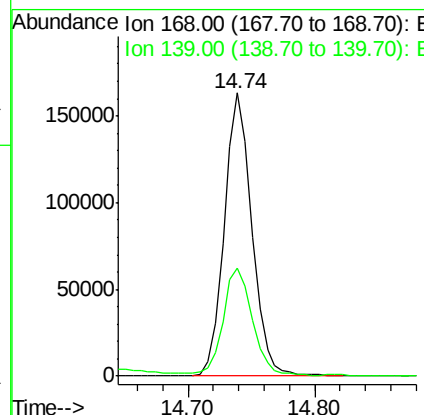
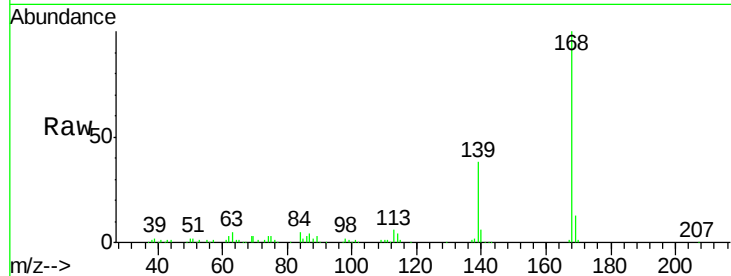
#53
Dibenzofuran
Concen: 9.94 ng/ul
RT: 14.74 min Scan# 2066
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.3	45.5

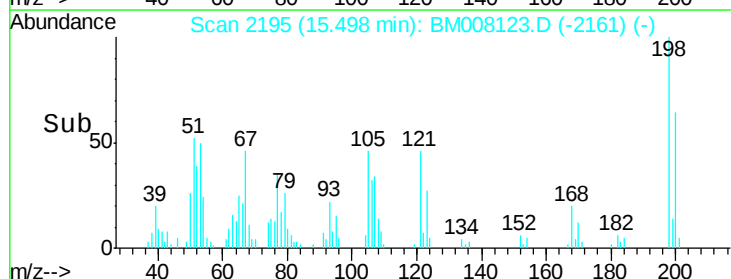
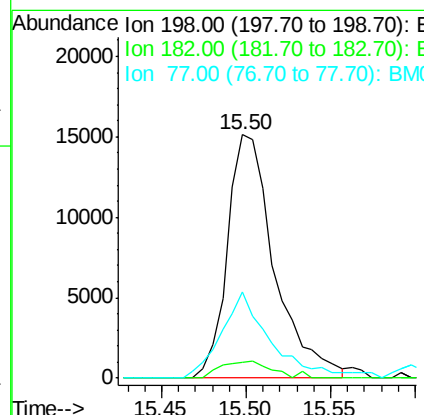
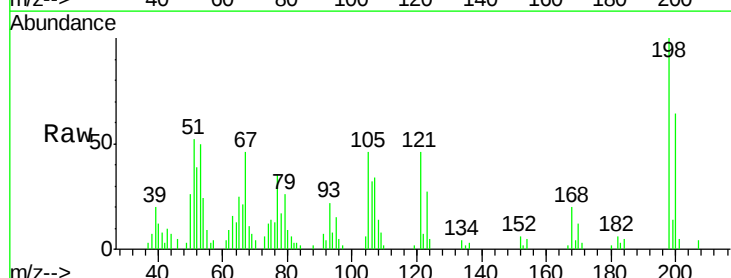
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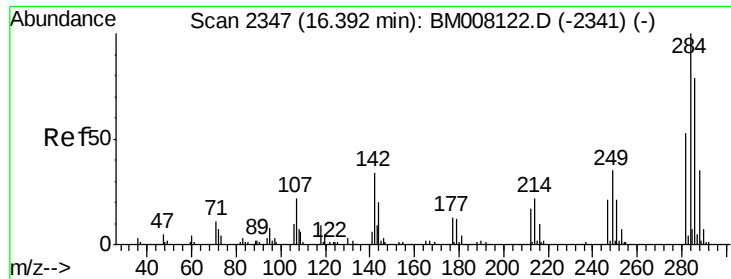
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#63
4,6-Dinitro-2-methylphenol
Concen: 8.05 ng/ul
RT: 15.50 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Lower	Upper
198	100		
182	6.4	4.4	6.6
77	35.2	20.5	30.7#





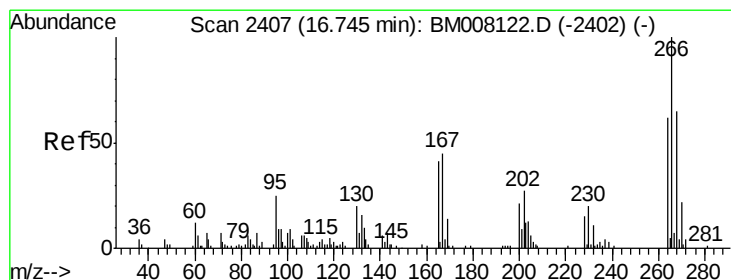
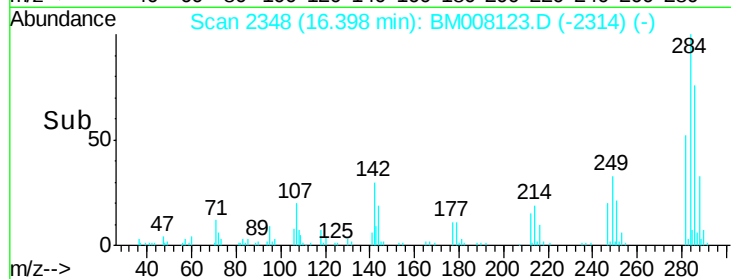
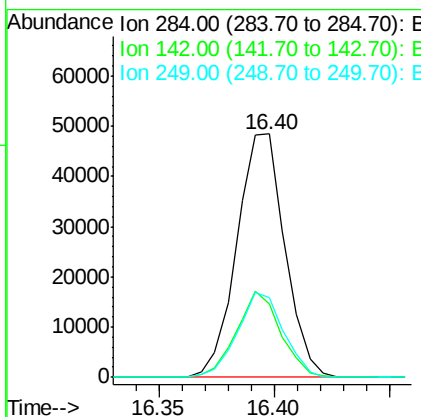
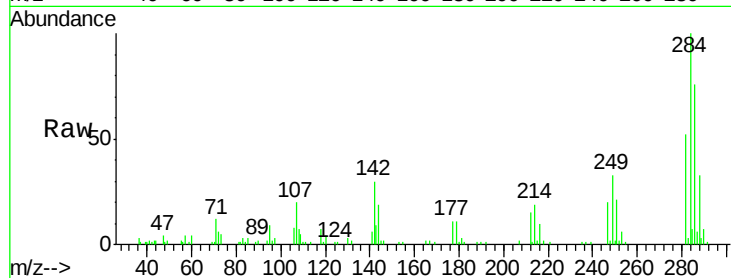
#66
Hexachlorobenzene
Concen: 9.62 ng/ul
RT: 16.40 min Scan# 2348
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Lower	Upper
284	100		
142	30.3	26.2	39.2
249	32.6	24.6	36.8

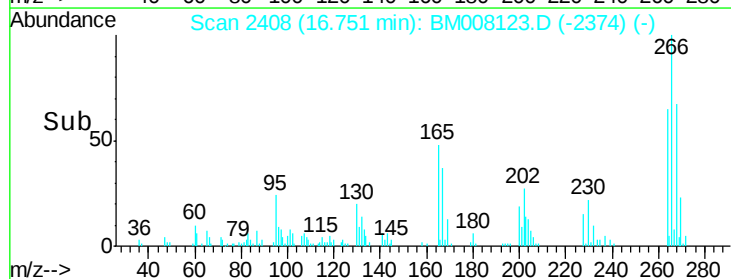
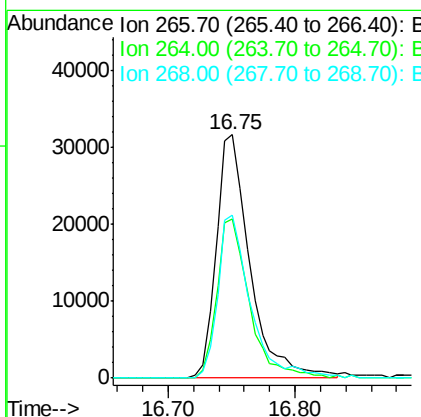
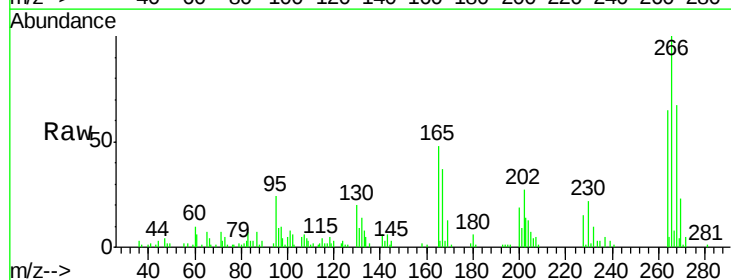
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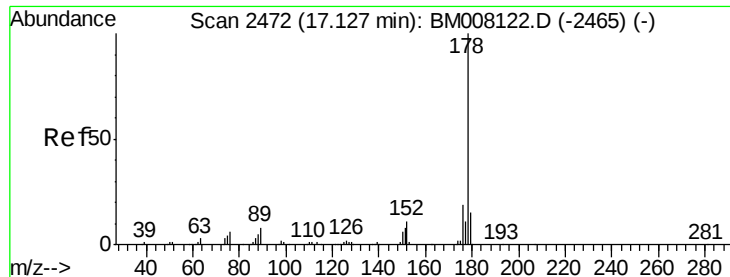
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#68
Pentachlorophenol
Concen: 13.90 ng/ul
RT: 16.75 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.4	50.6	75.8
268	66.8	49.1	73.7





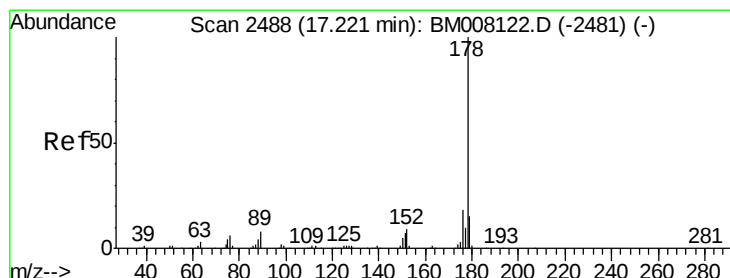
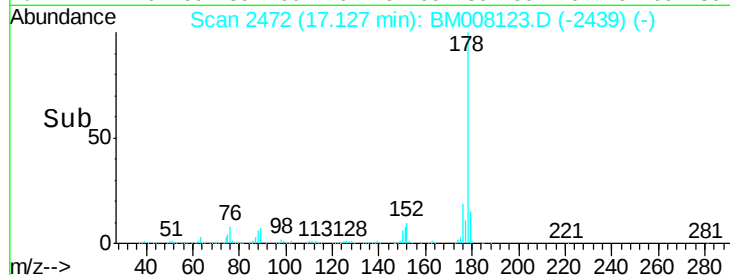
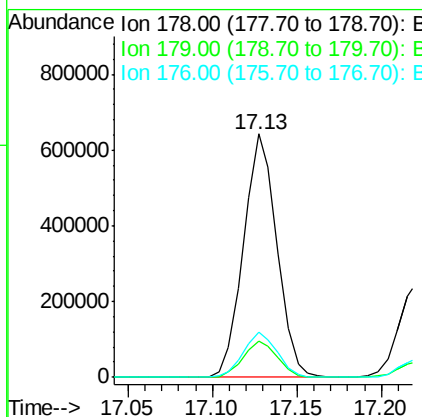
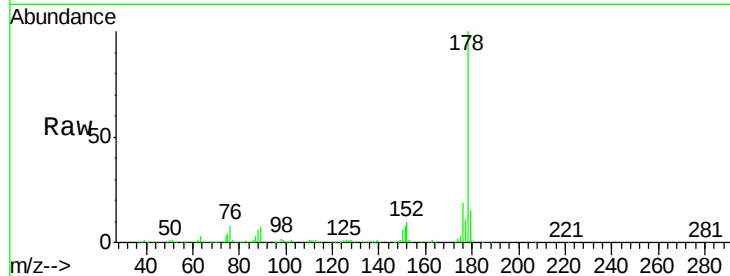
#69
 Phenanthrene
 Concen: 29.71 ng/ul
 RT: 17.13 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BM008123.D
 Acq: 30 Nov 2016 21:34

Instrument :
 BNA_M
 ClientSampleId :
 A4WC2

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.2
176	18.7	14.7	22.1

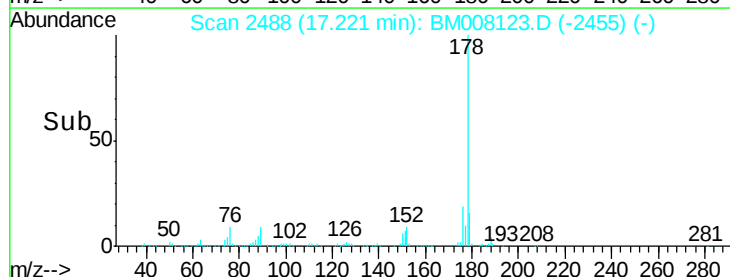
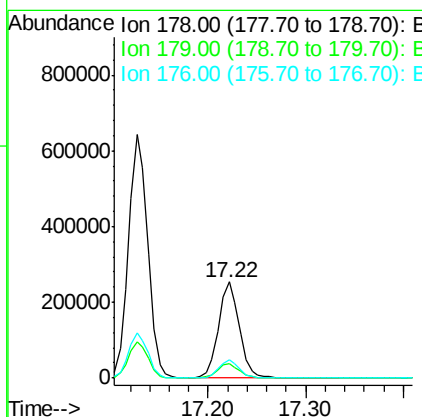
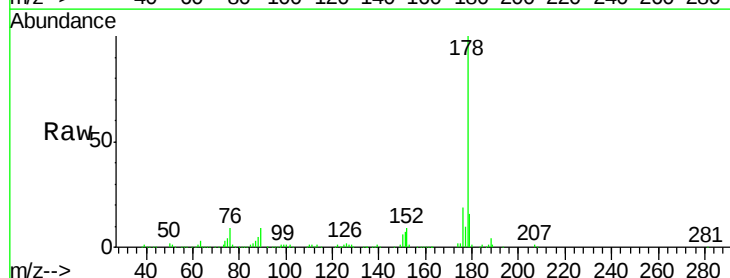
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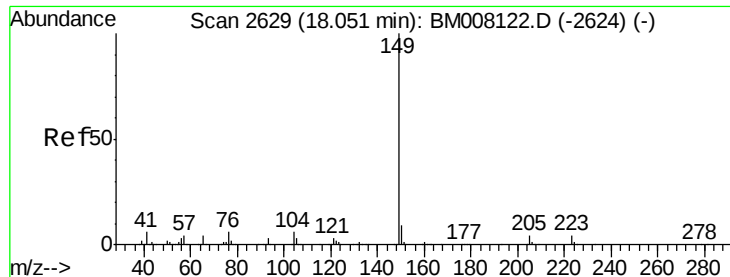
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#71
 Anthracene
 Concen: 12.36 ng/ul
 RT: 17.22 min Scan# 2488
 Delta R.T. -0.01 min
 Lab File: BM008123.D
 Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.8
176	19.2	14.6	21.8





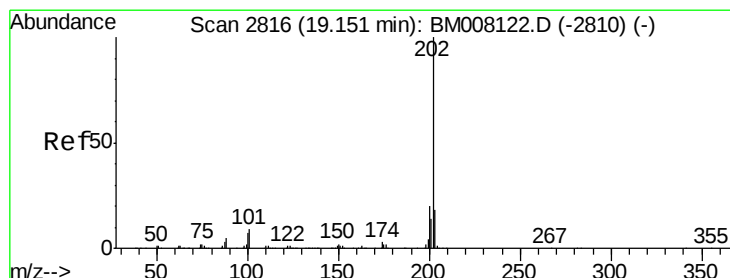
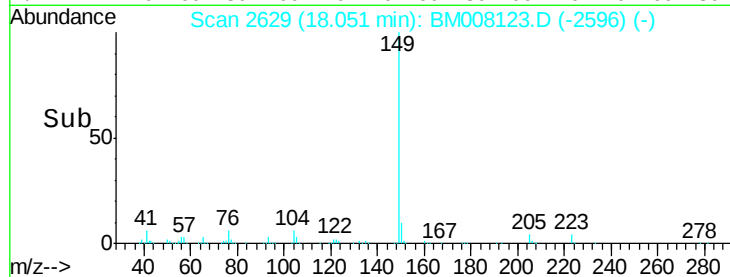
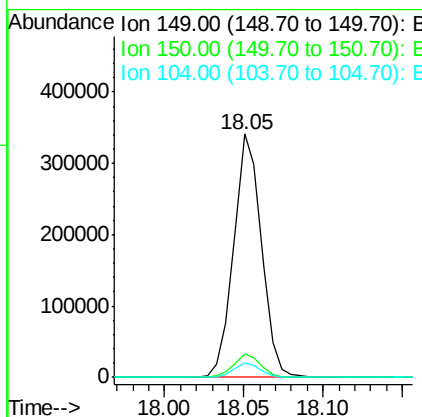
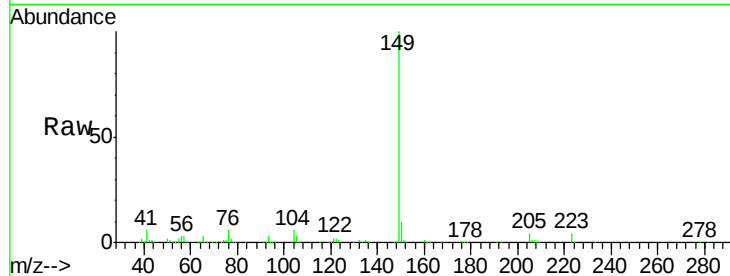
#73
Di-n-butylphthalate
Concen: 13.24 ng/ul
RT: 18.05 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.6	7.3	10.9	
104	5.9	4.5	6.7	

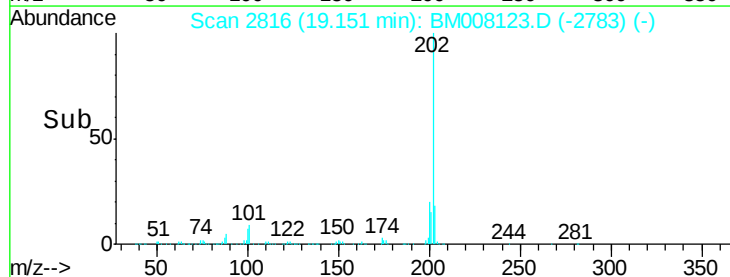
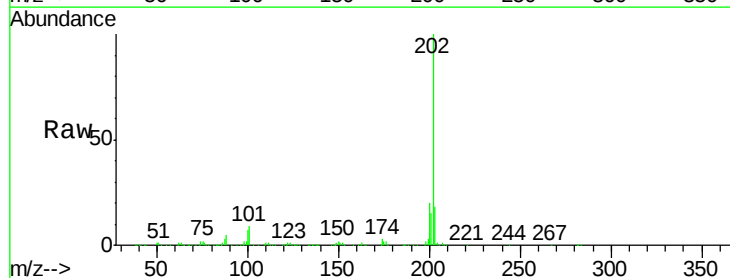
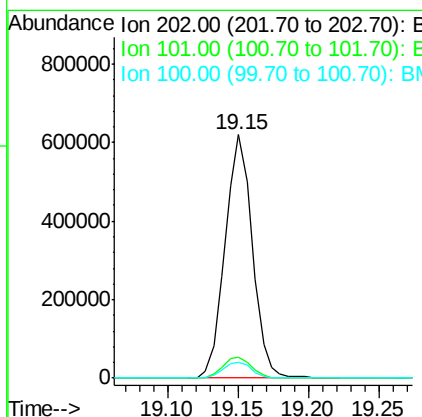
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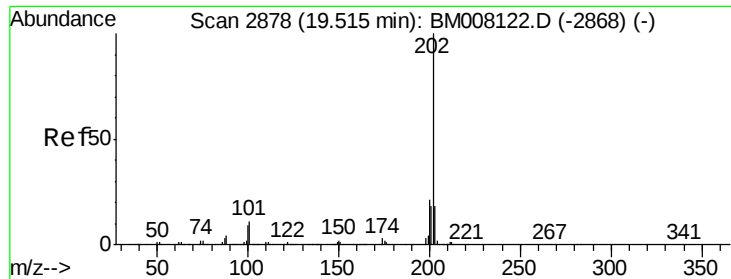
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#74
Fluoranthene
Concen: 24.14 ng/ul
RT: 19.15 min Scan# 2816
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	8.6	7.1	10.7	
100	6.6	5.4	8.0	





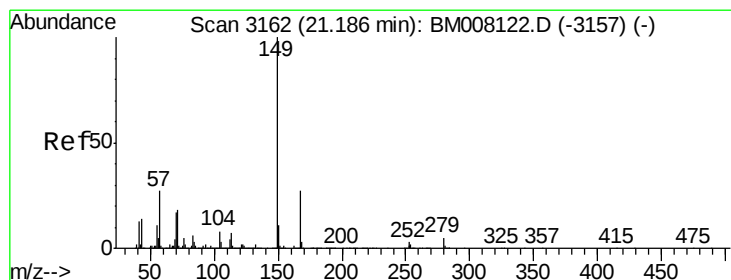
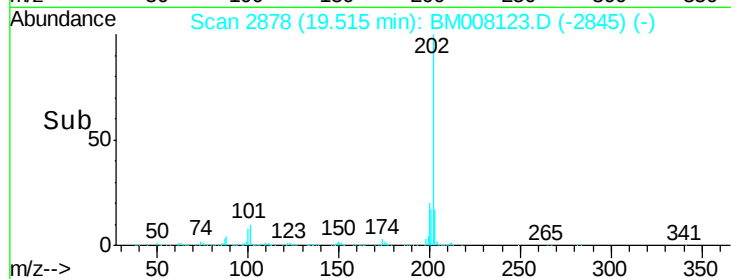
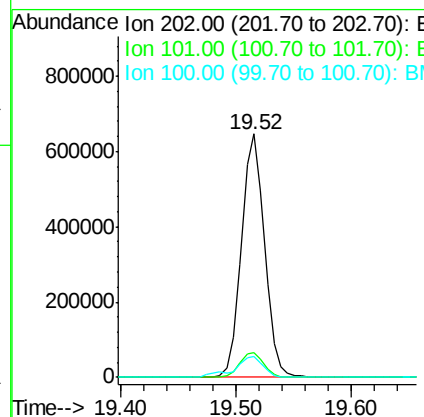
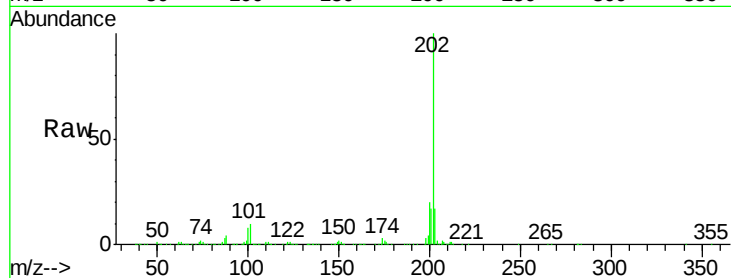
#77
Pvrene
Concen: 28.46 ng/ul
RT: 19.52 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	8.6	12.8
100	8.4	6.5	9.7

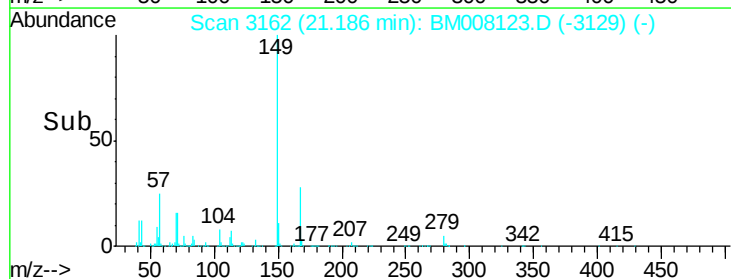
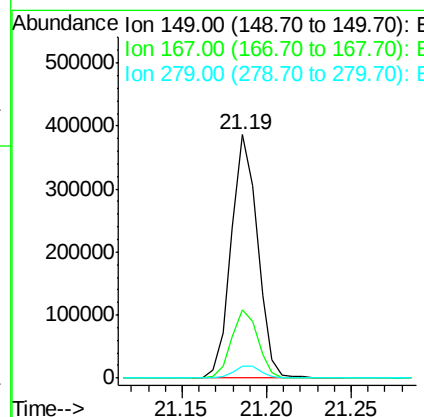
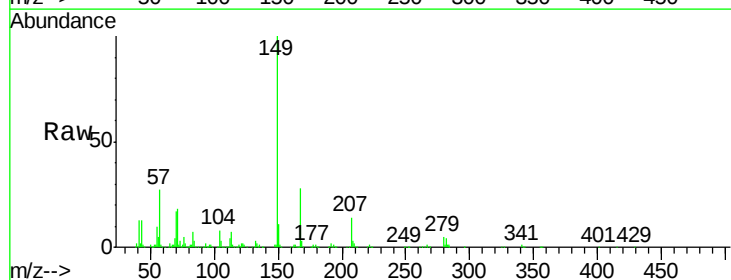
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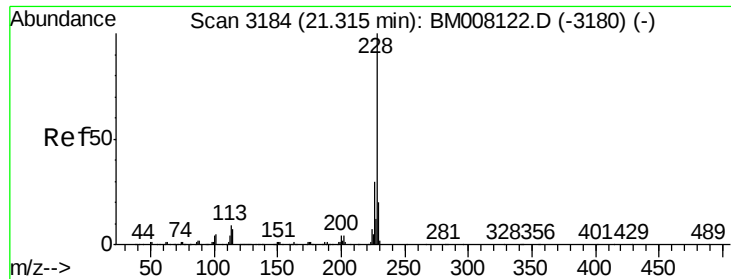
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#81
Bis(2-ethylhexyl)phthalate
Concen: 22.84 ng/ul
RT: 21.19 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	28.1	22.5	33.7
279	5.0	4.3	6.5





#82

Chrysene

Concen: 22.75 ng/ul

RT: 21.32 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BM008123.D

Acq: 30 Nov 2016 21:34

Instrument :

BNA_M

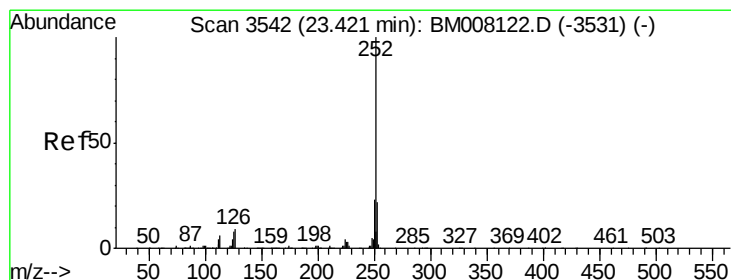
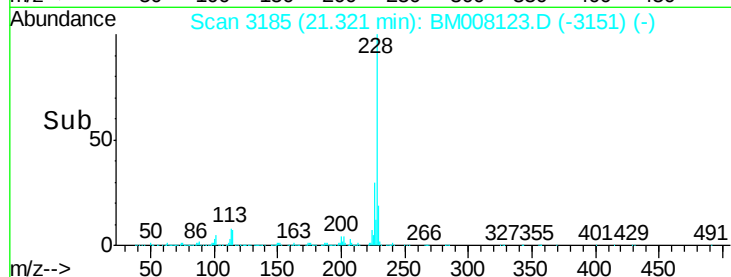
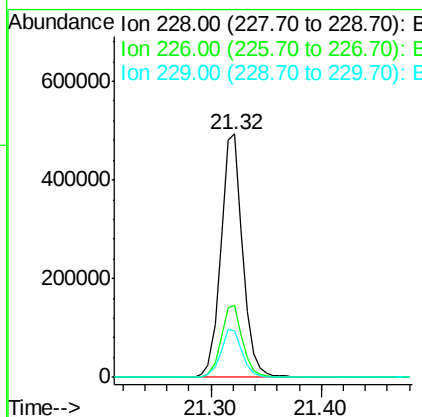
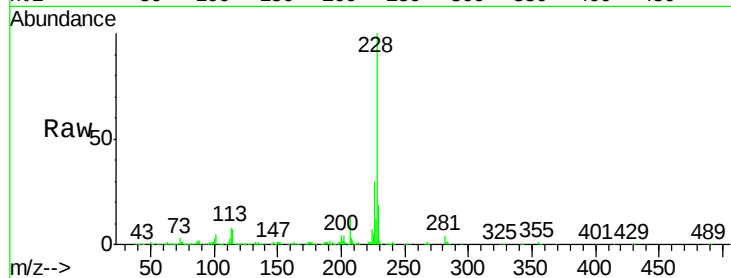
ClientSampleId :

A4WC2

Tot Ion:	228	Resp:	677390
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.4	35.0
229	19.3	15.4	23.0

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#88

Benzo(a)pyrene

Concen: 20.09 ng/ul

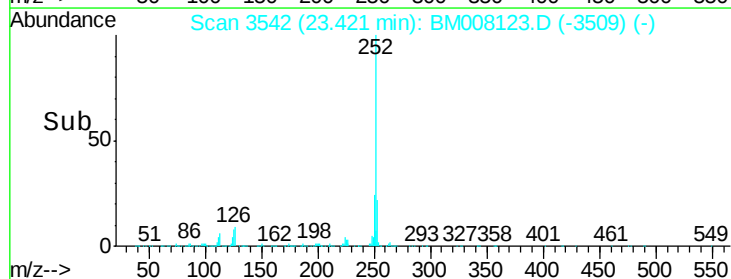
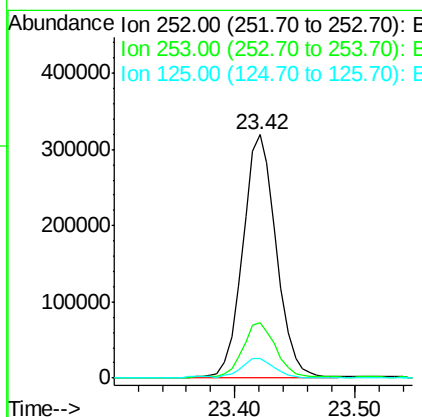
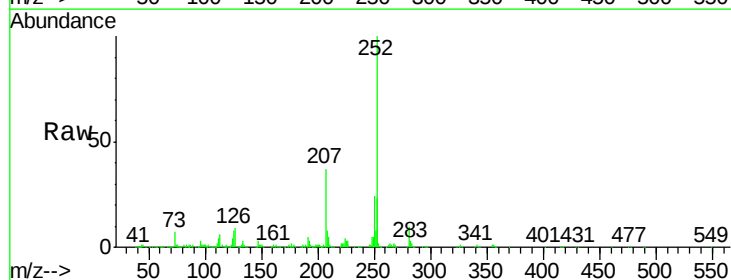
RT: 23.42 min Scan# 3542

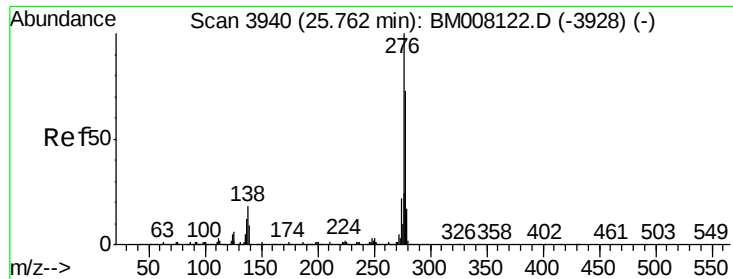
Delta R.T. -0.01 min

Lab File: BM008123.D

Acq: 30 Nov 2016 21:34

Tgt Ion:	252	Resp:	610584
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	8.0	6.2	9.2





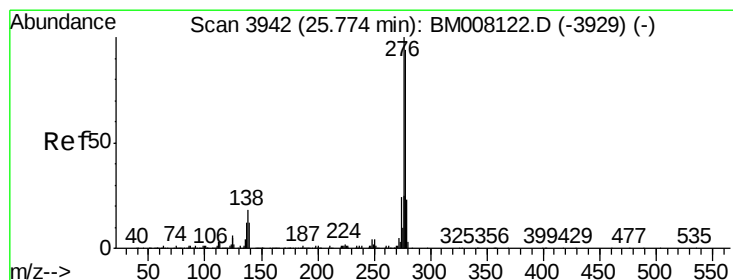
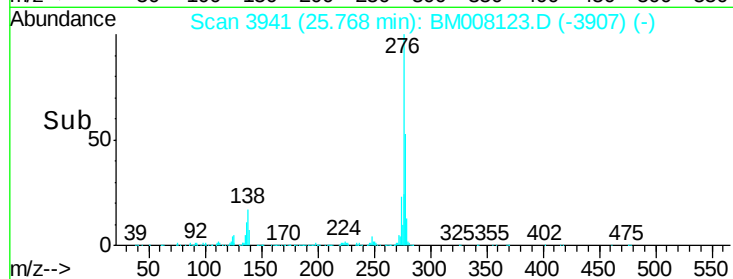
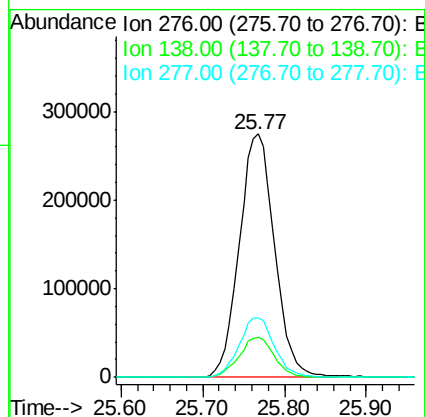
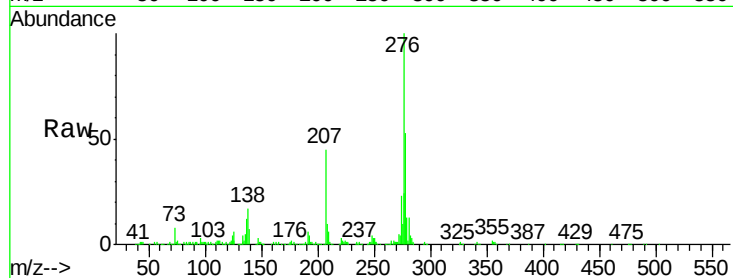
#89
Indeno(1,2,3-cd)pyrene
Concen: 22.24 ng/ul
RT: 25.77 min Scan# 3941
Delta R.T. 0.00 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Instrument :
BNA_M
ClientSampleId :
A4WC2

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.1	21.1
277	24.3	19.7	29.5

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#90
Dibenzo(a,h)anthracene
Concen: 14.04 ng/ul
RT: 25.77 min Scan# 3942
Delta R.T. -0.01 min
Lab File: BM008123.D
Acq: 30 Nov 2016 21:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.5	9.3	13.9
279	22.5	18.9	28.3

