

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013944.D
 Acq On : 29 Jan 2018 04:13
 Operator : SJ/JU
 Sample : J1243-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B30

Manual Integrations
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 1/29/2018 6:08:23 PM

Quant Time: Jan 29 07:06:23 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	164049	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	638829	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	358354	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	692420	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	728719	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	761466	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	17674	4.26	ng/uL	0.00
5) Phenol-d5	6.76	99	355294	28.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	217113	28.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	310038	30.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	305987	31.61	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	154643	31.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	166198	31.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	317772	31.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	270493	30.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	861049	29.15	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1095171	29.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	107533	22.40	ng/ul	0.00
57) Fluorene-d10	15.23	176	725997	27.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	108375	26.00	ng/ul	0.00
70) Anthracene-d10	17.09	188	1070331	31.74	ng/ul	0.00
76) Pyrene-d10	19.39	212	1166976	34.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	1159303m	33.12	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.79	94	38828	3.074	ng/ul	91
28) Naphthalene	10.40	128	1769107	55.664	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1090262	46.012	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	188097	6.306	ng/ul	99
44) Dimethylphthalate	13.70	163	197361	6.796	ng/ul#	98
47) Acenaphthylene	13.95	152	147402	4.277	ng/ul#	91
49) Acenaphthene	14.29	153	944565	39.578	ng/ul	99
53) Dibenzofuran	14.63	168	2327552	64.828	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	14.87	232	22792	3.030	ng/ul#	73
58) Fluorene	15.29	166	757515	25.757	ng/ul	97
68) Pentachlorophenol	16.64	266	699147	149.458	ng/ul	97
69) Phenanthrene	17.04	178	9941783	258.303	ng/ul	99
71) Anthracene	17.12	178	3669963	92.444	ng/ul	99
72) Carbazole	17.40	167	964688	29.438	ng/ul	99
73) Di-n-butylphthalate	17.96	149	614996	15.957	ng/ul	99
74) Fluoranthene	19.06	202	8624240	187.715	ng/ul#	94
77) Pyrene	19.43	202	5889104	132.934	ng/ul#	96
80) Benzo(a)anthracene	21.17	228	975187	22.147	ng/ul	98
82) Chrysene	21.23	228	833929	20.644	ng/ul	95
85) Benzo(b)fluoranthene	22.73	252	610587	13.057	ng/ul#	97
86) Benzo(k)fluoranthene	22.77	252	173147	3.831	ng/ul#	96
88) Benzo(a)pyrene	23.28	252	270760	6.129	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.56	276	110923	2.127	ng/ul#	92

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Quant Time: Jan 29 07:06:23 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.22	276	72702	1.694	ng/ul#	96

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

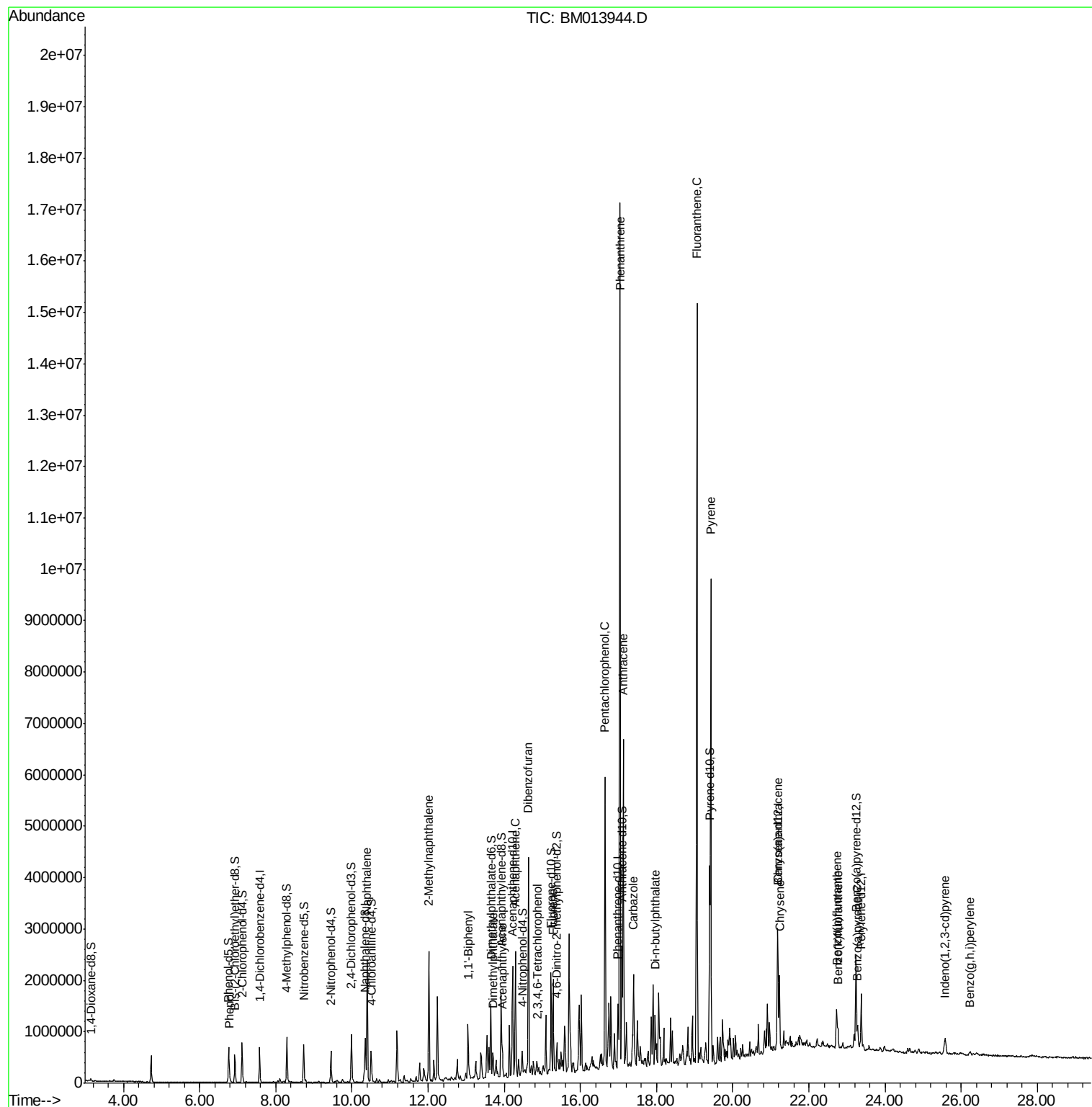
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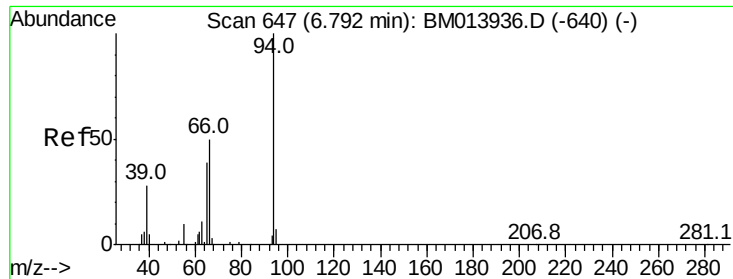
Instrument :
BNA_M
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#6

Phenol

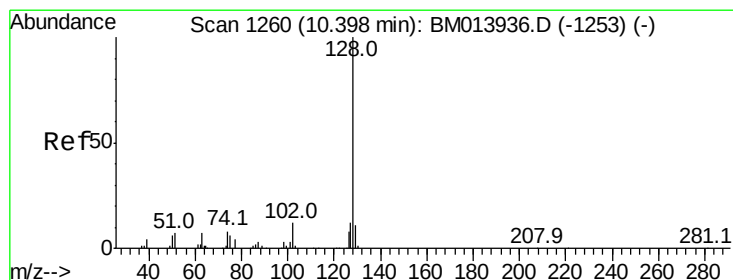
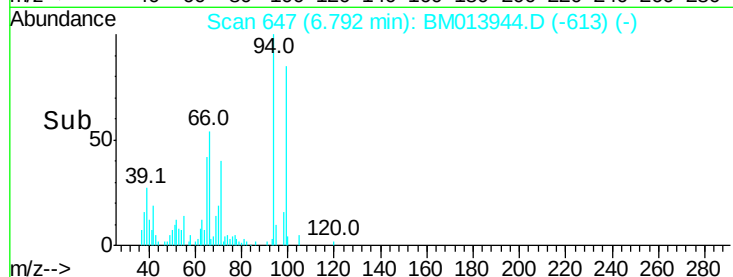
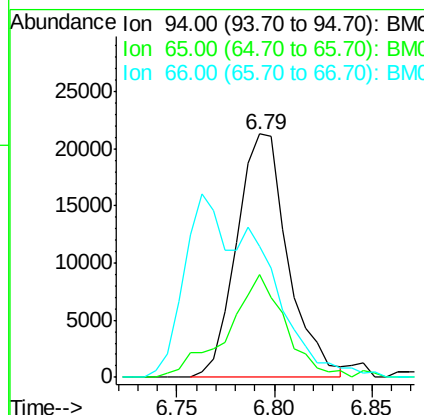
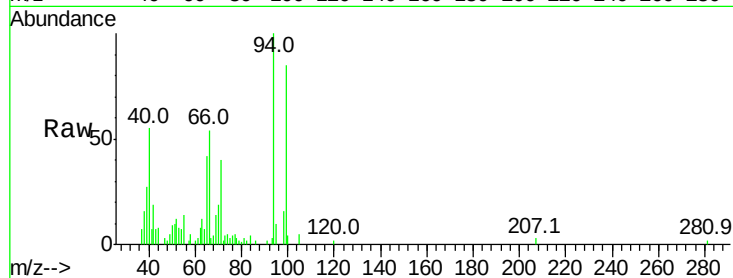
Concen: 3.074 ng/ul
 RT: 6.79 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Instrument :
 BNA_M
 ClientSampled :
 F6B30

Tot Ion	Ratio	Lower	Upper
94	100		
65	42.2	28.2	42.4
66	53.6	47.2	70.8

Manual Integrations
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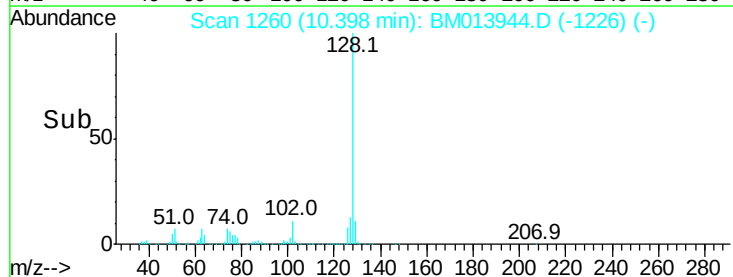
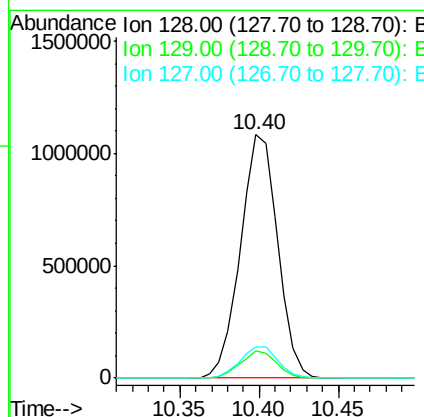
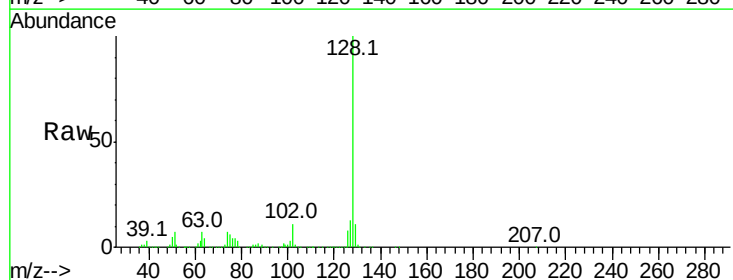


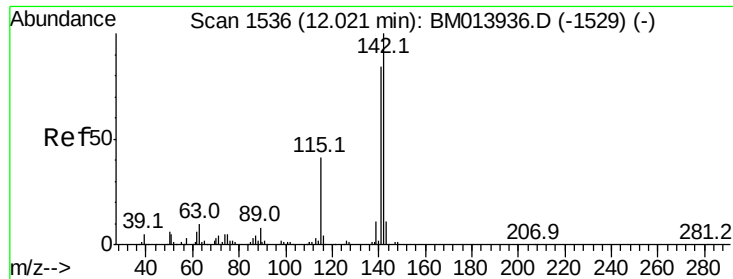
#28

Naphthalene

Concen: 55.664 ng/ul
 RT: 10.40 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.8	10.6	16.0





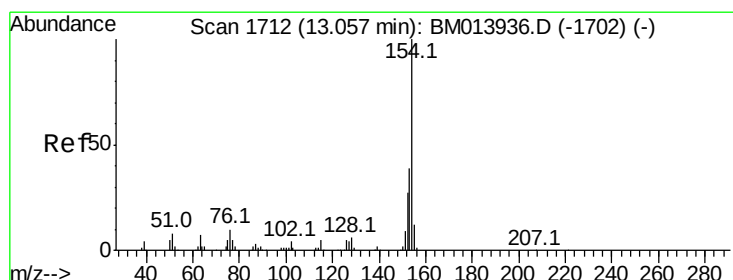
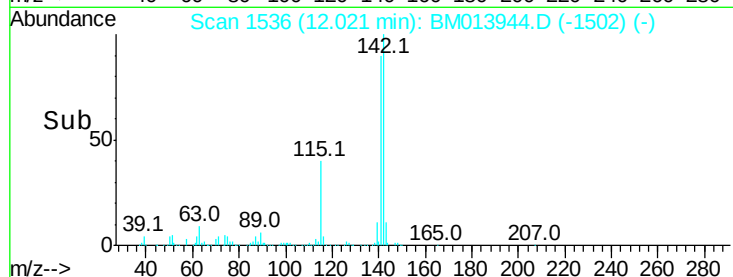
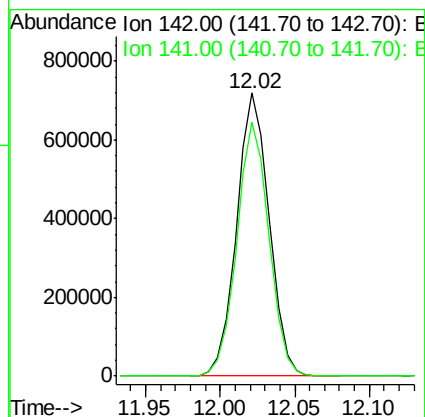
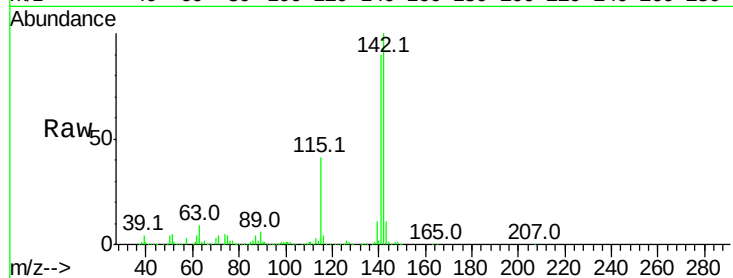
#34
 2-Methylnaphthalene
 Concen: 46.012 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Instrument :
 BNA_M
 ClientSampleId :
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Tot Ion:142 Resp: 1090262
 Ion Ratio Lower Upper
 142 100
 141 89.6 74.1 111.1

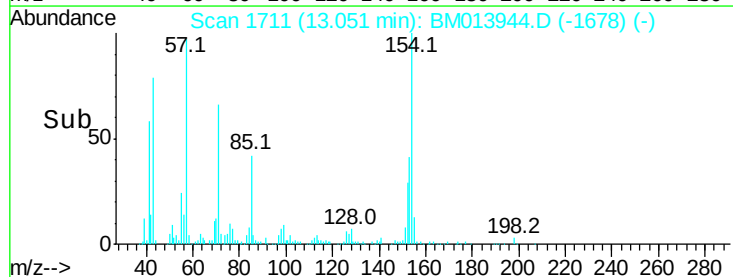
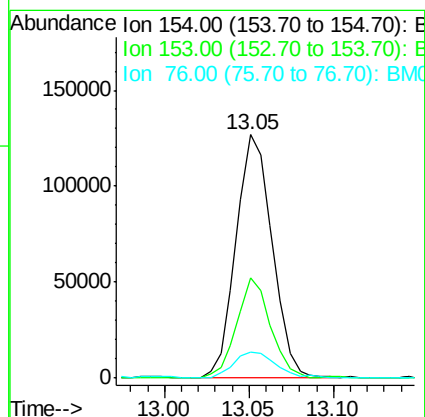
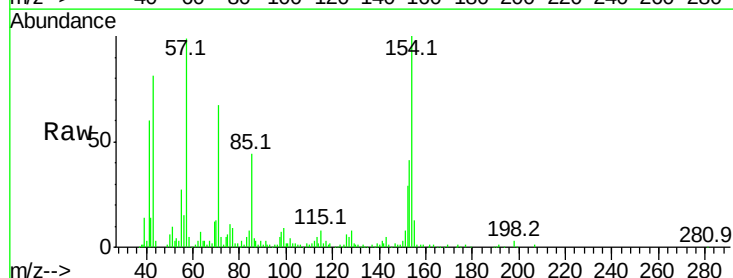
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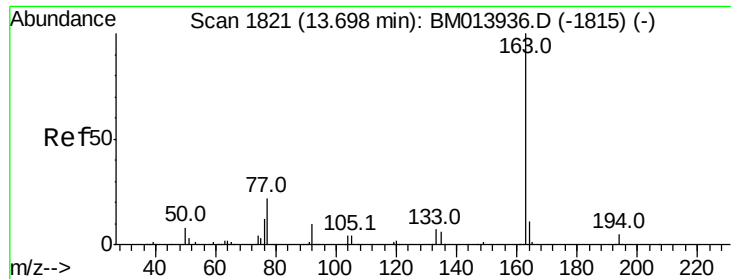
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#40
 1,1'-Biphenyl
 Concen: 6.306 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Tgt Ion:154 Resp: 188097
 Ion Ratio Lower Upper
 154 100
 153 41.2 32.6 48.8
 76 10.9 8.5 12.7





#44

Dimethylphthalate

Concen: 6.796 ng/ul

RT: 13.70 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Instrument :

BNA_M

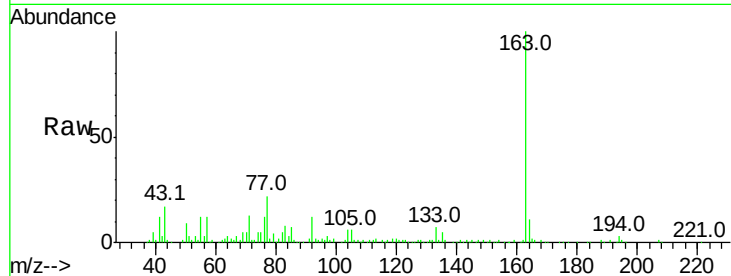
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F6B30

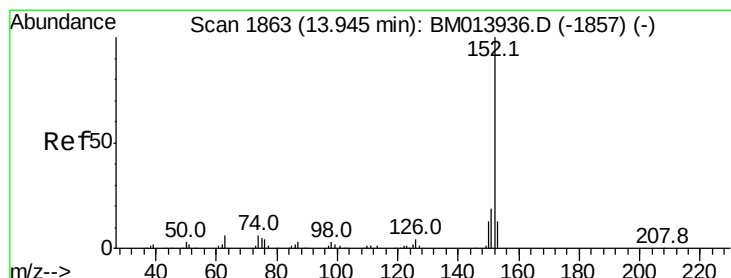
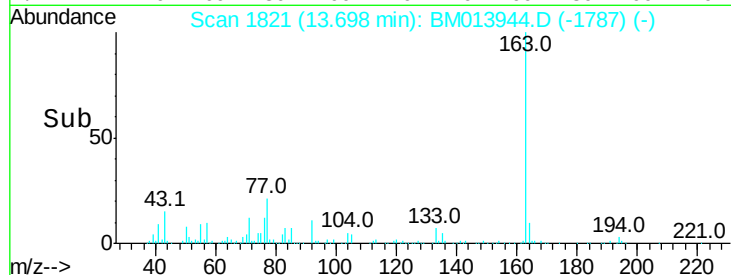
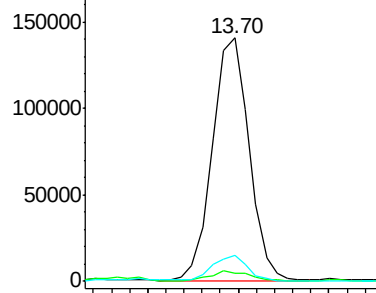
Tot Ion:	163	Resp:	197361
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.5	5.3#
164	10.7	8.2	12.4

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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



#47

Acenaphthylene

Concen: 4.277 ng/ul

RT: 13.95 min Scan# 1864

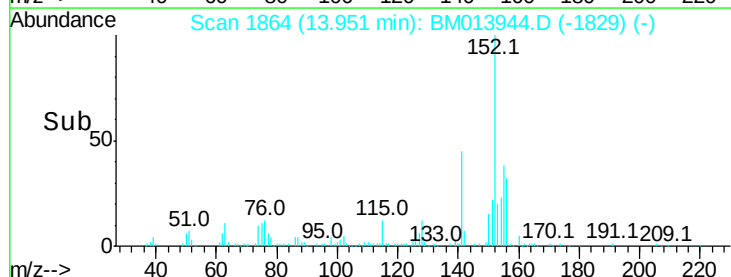
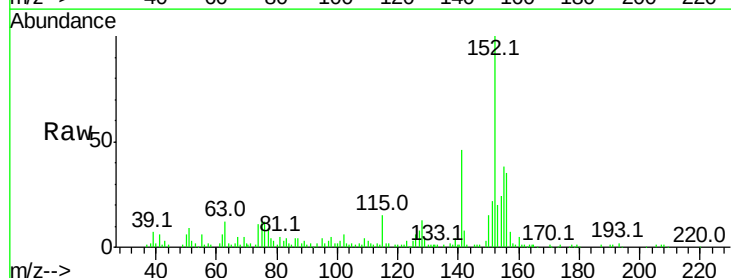
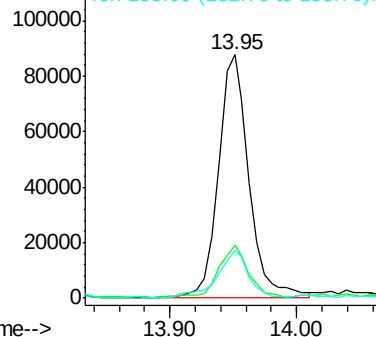
Delta R.T. 0.01 min

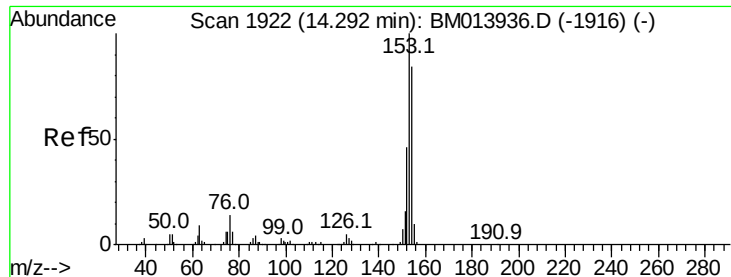
Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Tgt Ion:	152	Resp:	147402
Ion Ratio	Lower	Upper	
152	100		
151	22.0	16.3	24.5
153	19.6	10.2	15.4#

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 39.578 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Instrument :

BNA_M

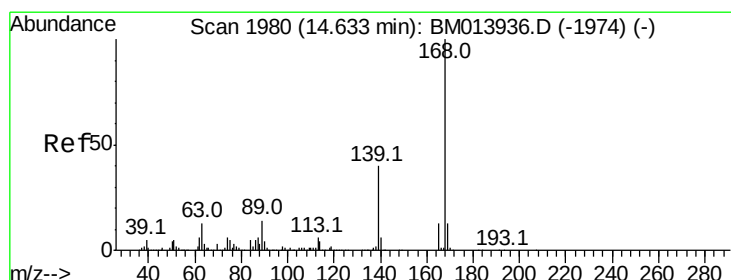
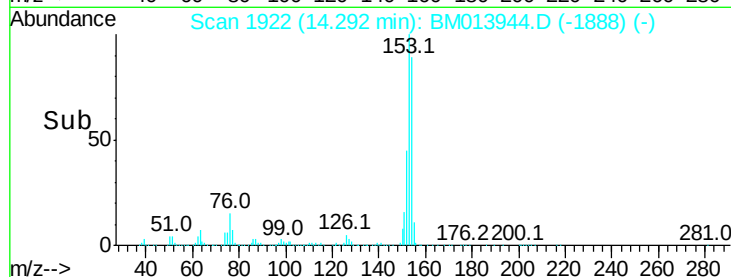
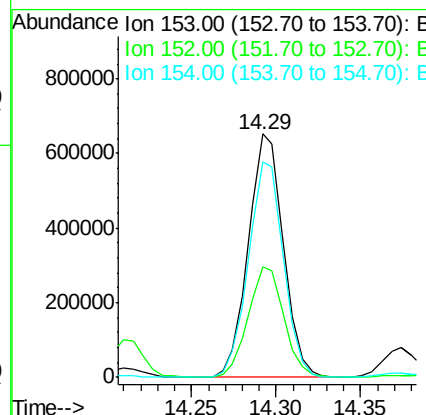
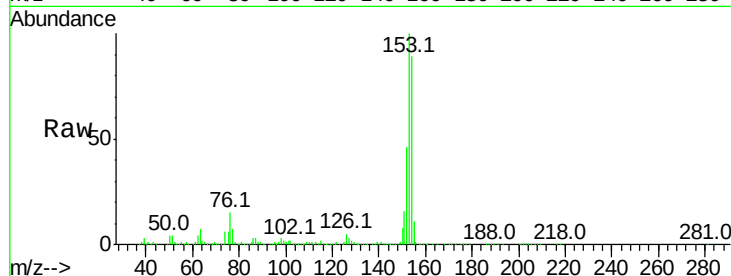
ClientSampleId :

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Tot Ion:	153	Resp:	944565
Ion Ratio	Lower	Upper	
153	100		
152	45.6	37.6	56.4
154	88.7	70.4	105.6

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#53

Dibenzofuran

Concen: 64.828 ng/ul

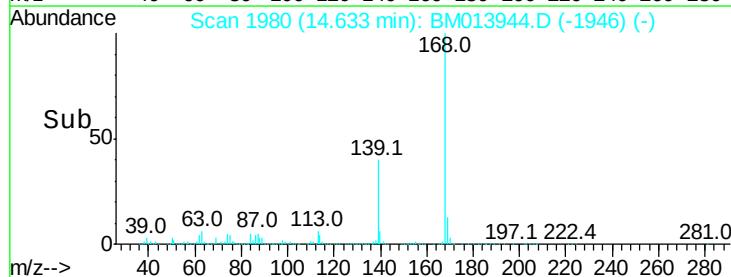
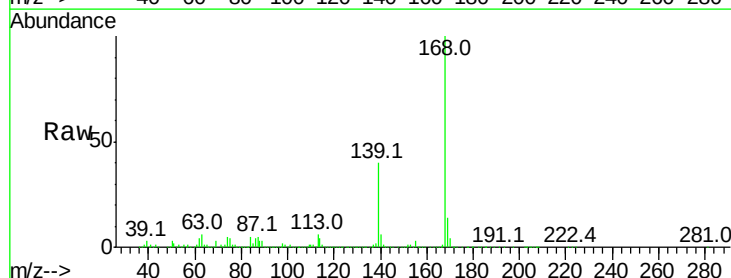
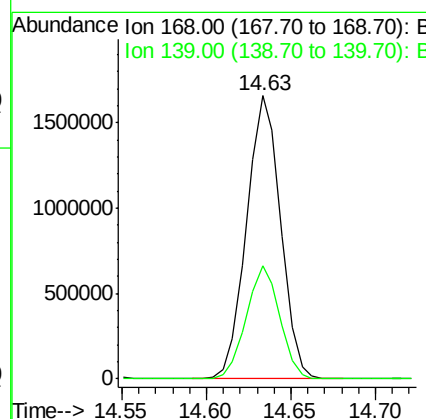
RT: 14.63 min Scan# 1980

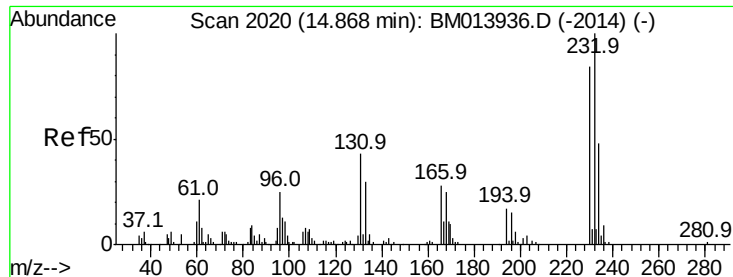
Delta R.T. -0.00 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Tgt Ion:	168	Resp:	2327552
Ion Ratio	Lower	Upper	
168	100		
139	40.1	30.8	46.2





#55

2,3,4,6-Tetrachlorophenol

Concen: 3.030 ng/ul

RT: 14.87 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Instrument :

BNA_M

ClientSampled :

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Tot Ion:232 Resp: 22792

Ion Ratio Lower Upper

232 100

131 57.8 29.0 43.4#

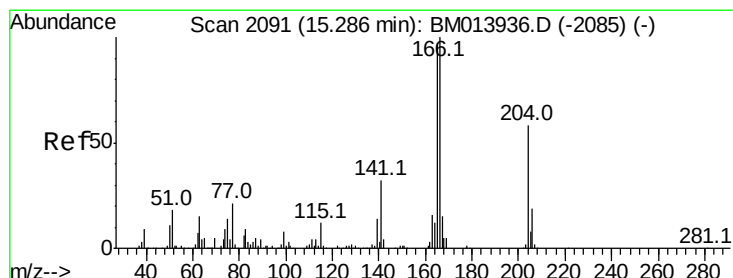
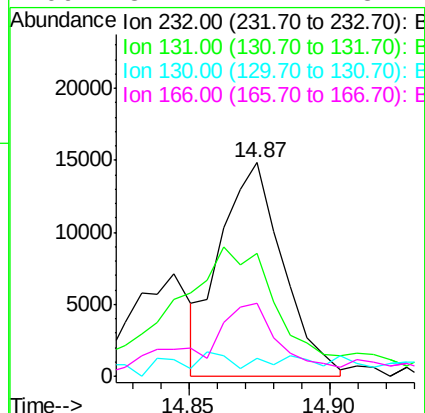
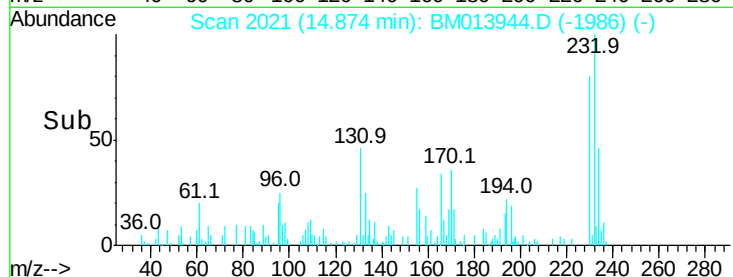
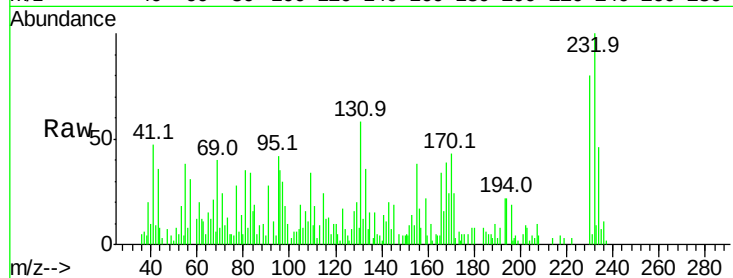
130 8.4 2.0 3.0#

166 34.1 21.4 32.2#

Manual Integrations
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#58

Fluorene

Concen: 25.757 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

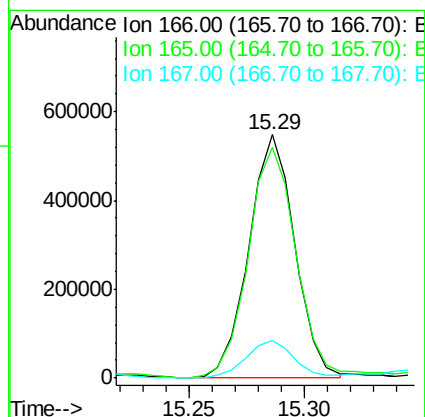
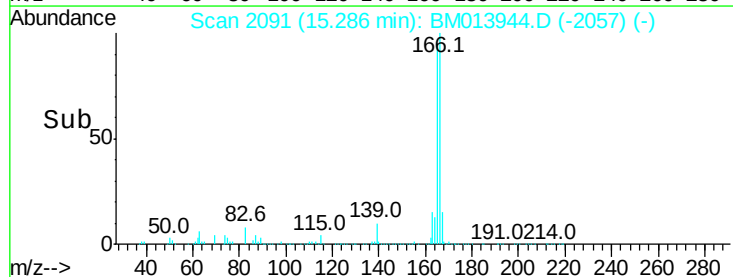
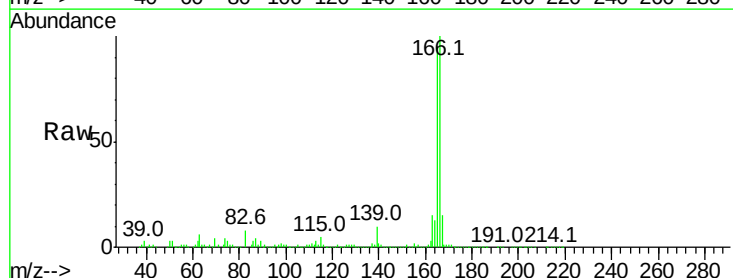
Tgt Ion:166 Resp: 757515

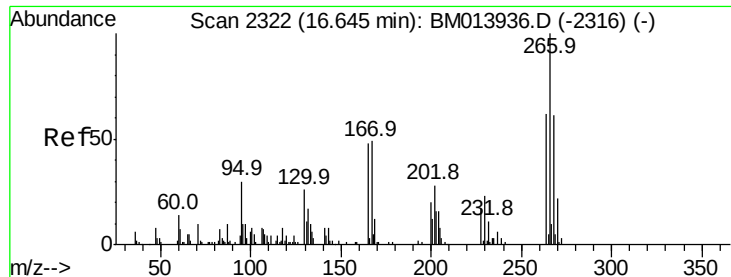
Ion Ratio Lower Upper

166 100

165 94.8 77.9 116.9

167 15.5 10.6 16.0





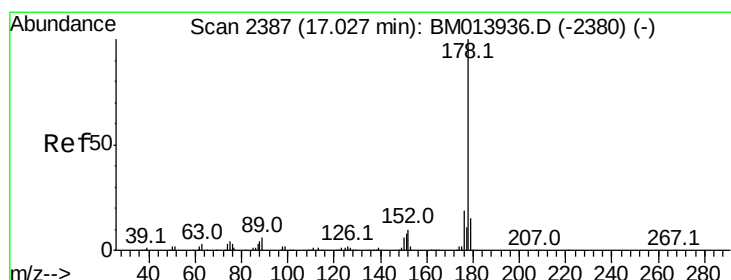
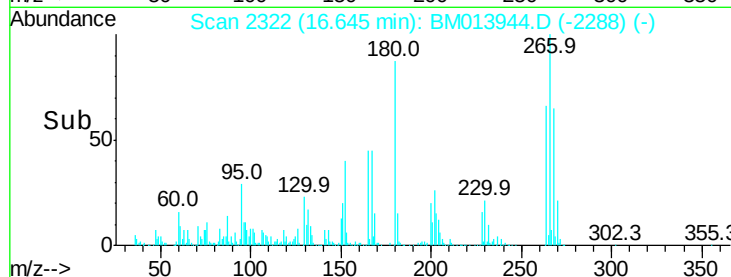
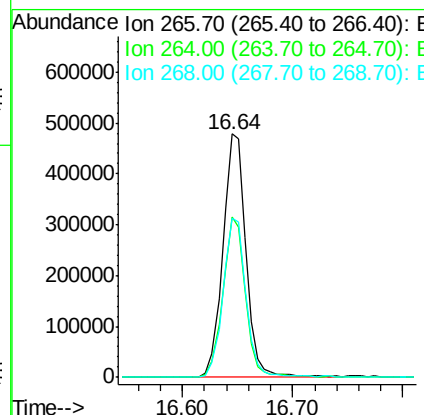
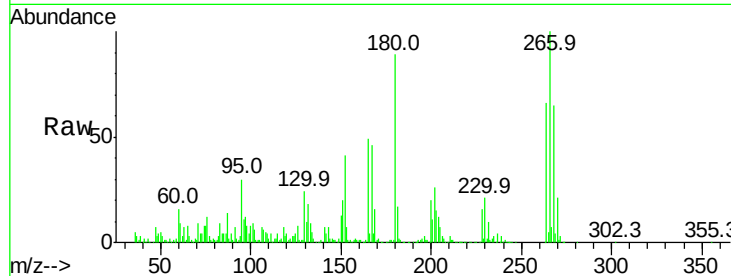
#68
 Pentachlorophenol
 Concen: 149.458 ng/ul
 RT: 16.64 min Scan# 2322
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Instrument :
 BNA_M
 ClientSampled :
 F6B30

Tot Ion	Ratio	Lower	Upper
266	100		
264	65.7	49.3	73.9
268	65.2	52.6	78.8

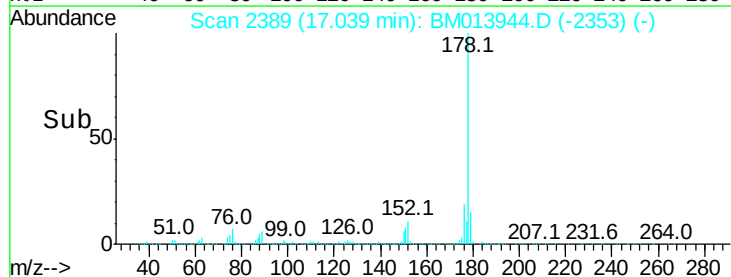
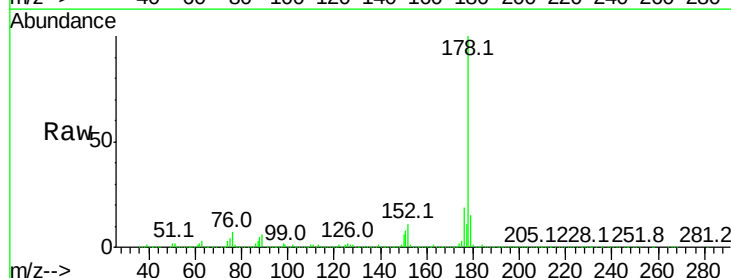
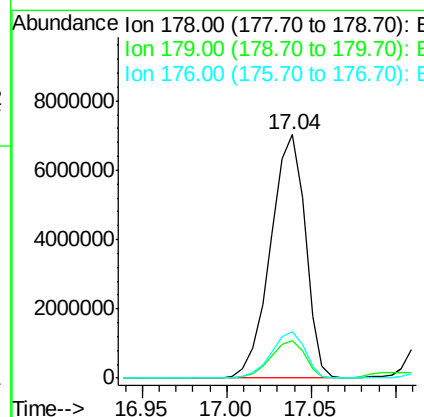
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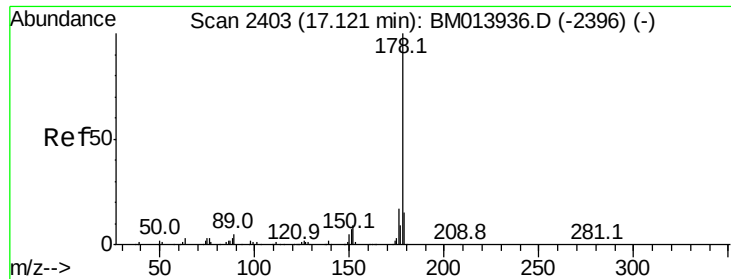
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#69
 Phenanthrene
 Concen: 258.303 ng/ul
 RT: 17.04 min Scan# 2389
 Delta R.T. 0.01 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.1	14.9	22.3





#71
 Anthracene
 Concen: 92.444 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

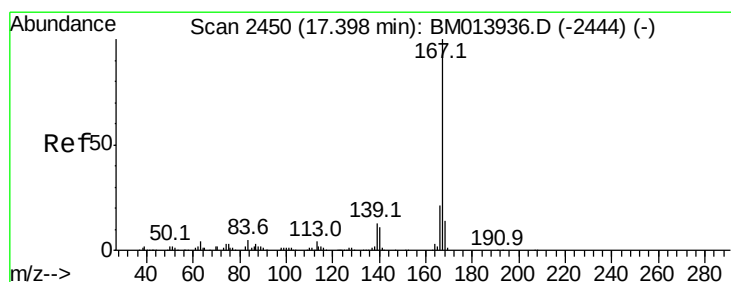
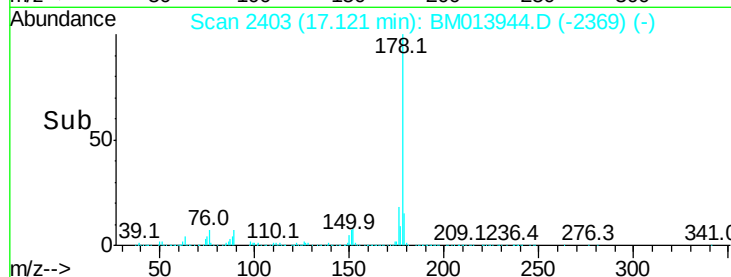
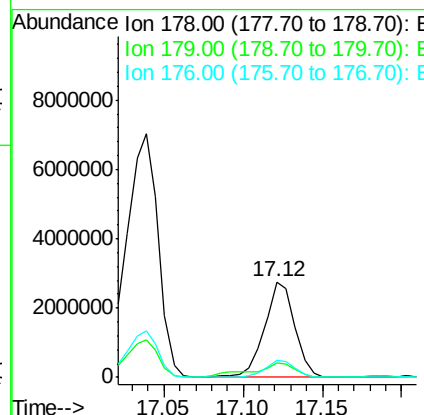
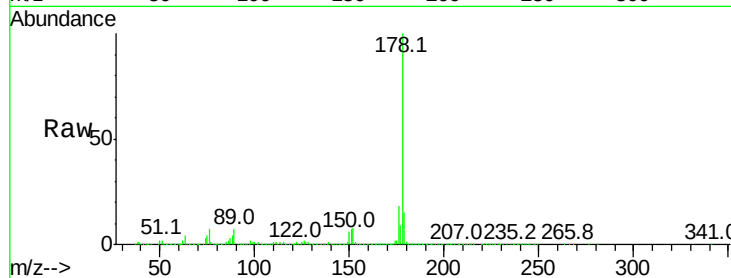
Instrument :
 BNA_M
 ClientSampled :
 F6B30

Tot Ion:178 Resp: 3669963

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	17.7	14.6	21.8

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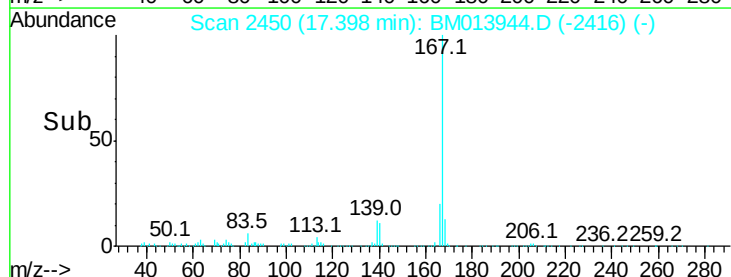
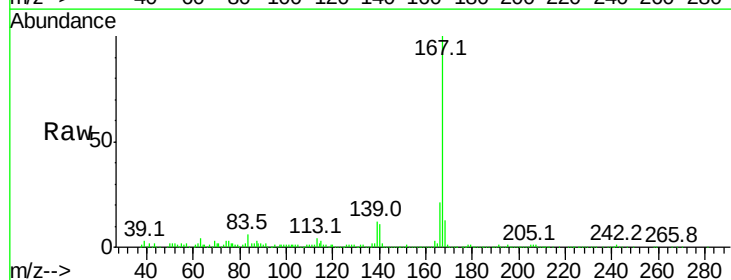
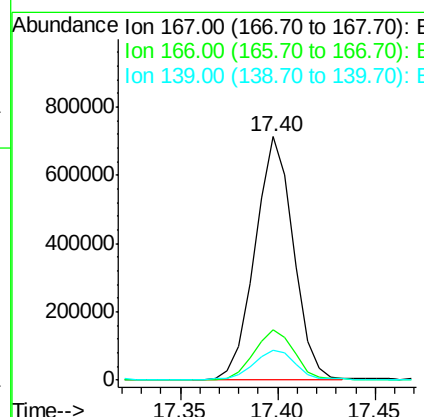
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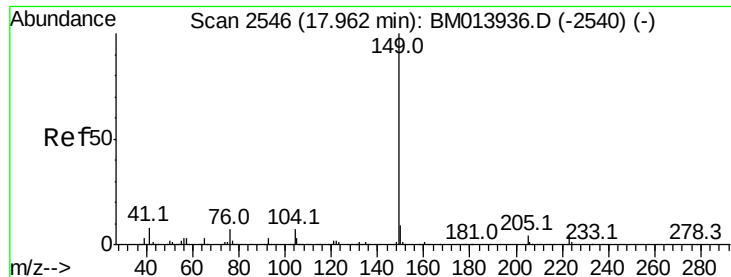


#72
 Carbazole
 Concen: 29.438 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Tgt Ion:167 Resp: 964688

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.1	25.7
139	12.4	10.0	15.0





#73

Di-n-butylphthalate

Concen: 15.957 ng/ul

RT: 17.96 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Instrument :

BNA_M

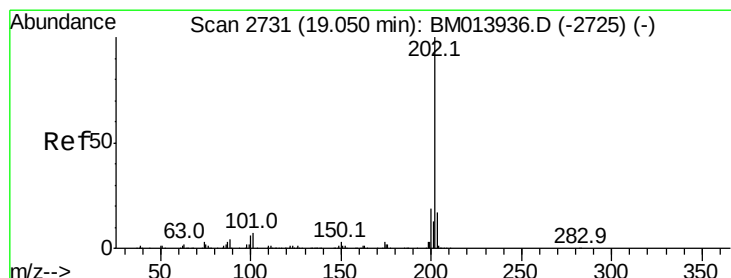
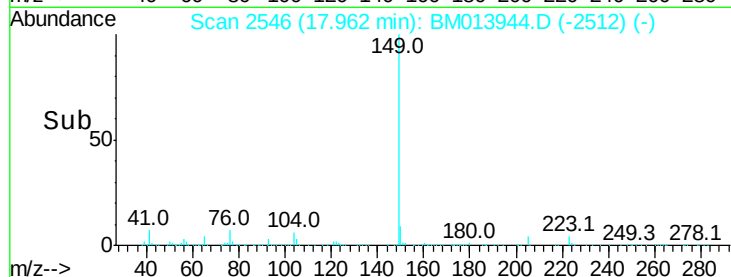
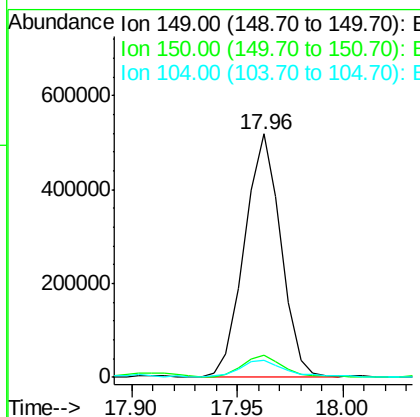
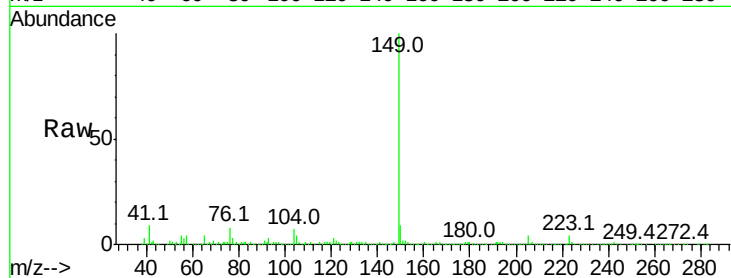
ClientSampleId :

F6B30

Tot Ion:	149	Resp:	614996
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.1	10.7
104	7.2	5.6	8.4

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#74

Fluoranthene

Concen: 187.715 ng/ul

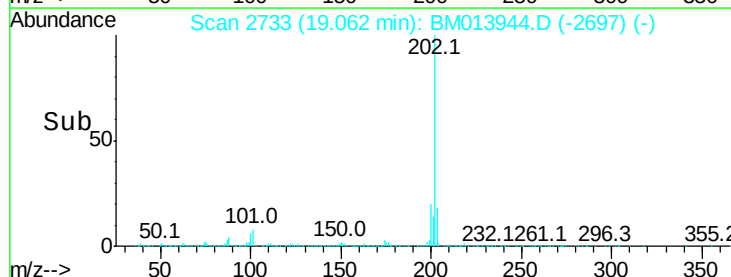
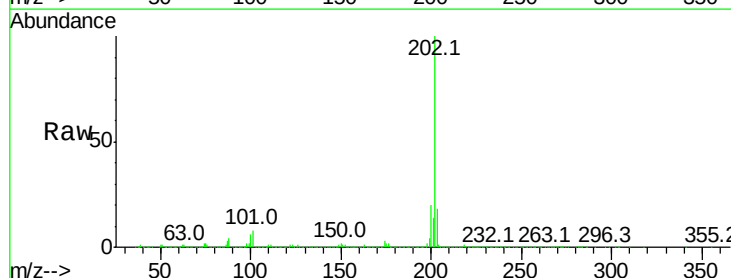
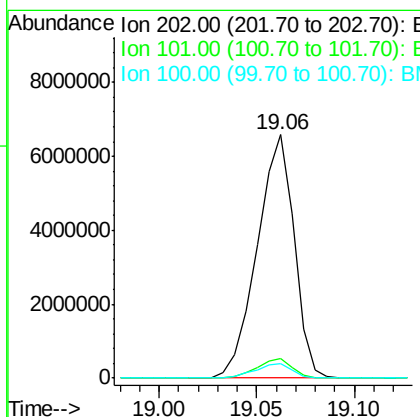
RT: 19.06 min Scan# 2733

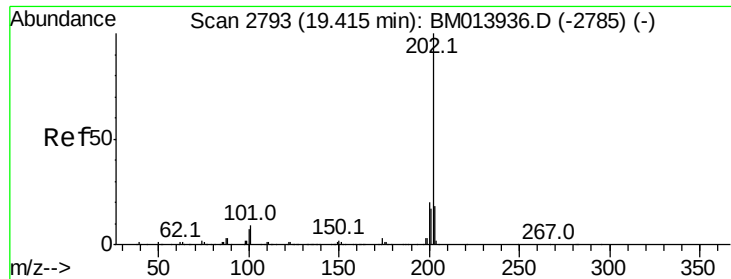
Delta R.T. 0.01 min

Lab File: BM013944.D

Acq: 29 Jan 2018 04:13

Tgt Ion:	202	Resp:	8624240
Ion Ratio	Lower	Upper	
202	100		
101	8.0	4.6	7.0#
100	6.1	3.4	5.2#





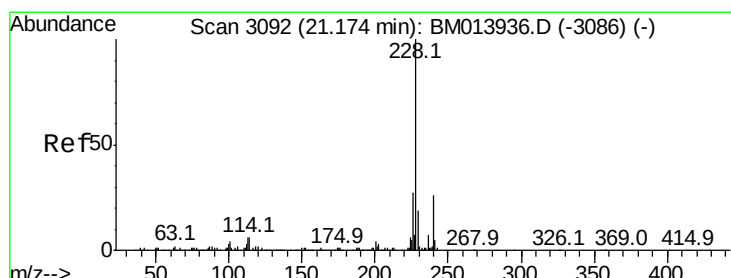
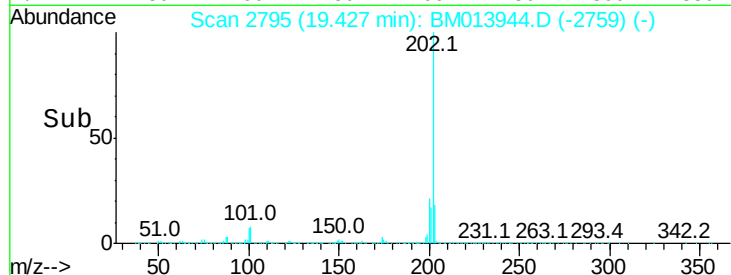
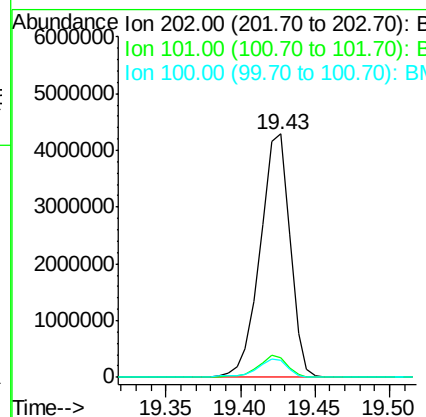
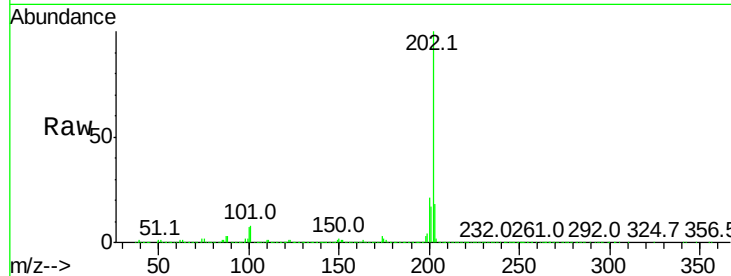
#77
 Pvrene
 Concen: 132.934 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Instrument :
 BNA_M
 ClientSampled :
 F6B30

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.1	5.1	7.7#
100	7.1	4.9	7.3

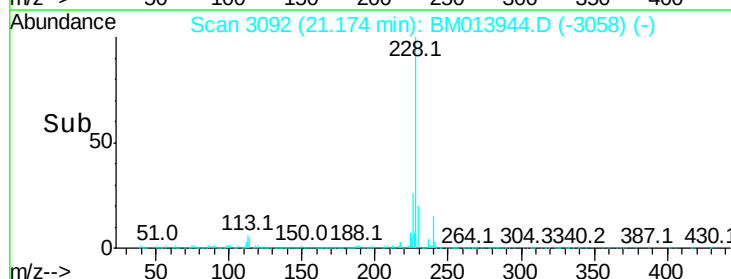
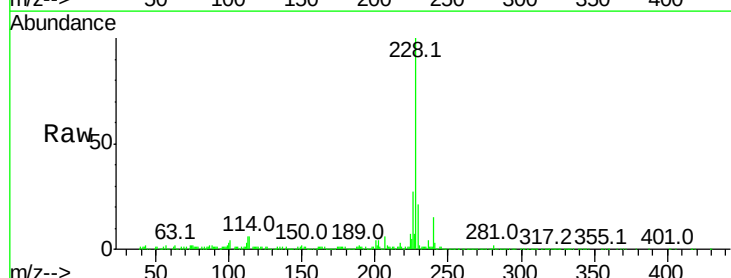
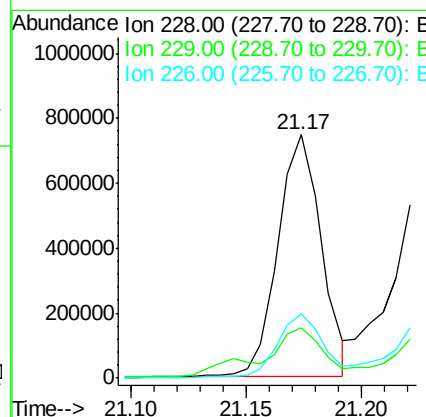
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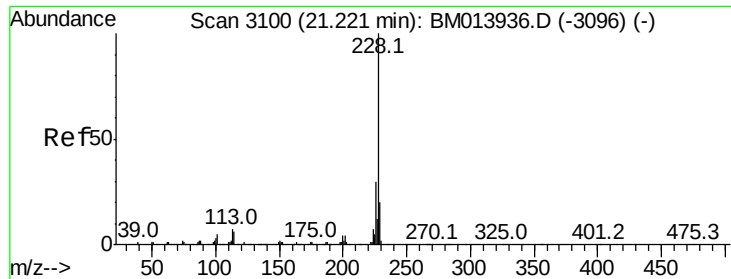
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#80
 Benzo(a)anthracene
 Concen: 22.147 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. -0.00 min
 Lab File: BM013944.D
 Acq: 29 Jan 2018 04:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.4	23.0
226	26.6	21.4	32.0





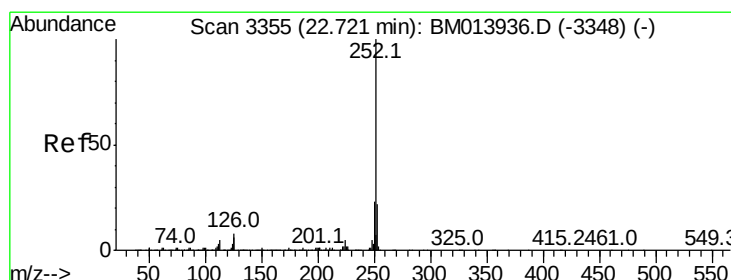
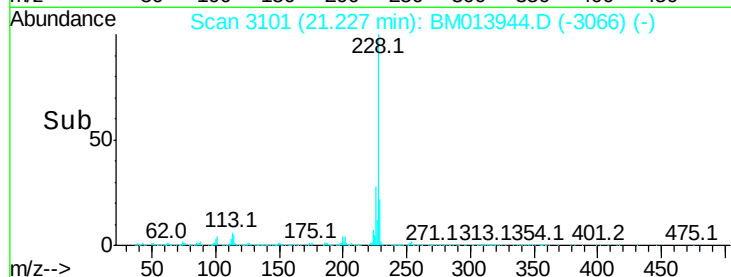
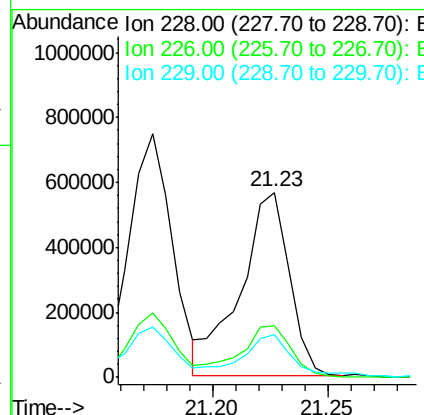
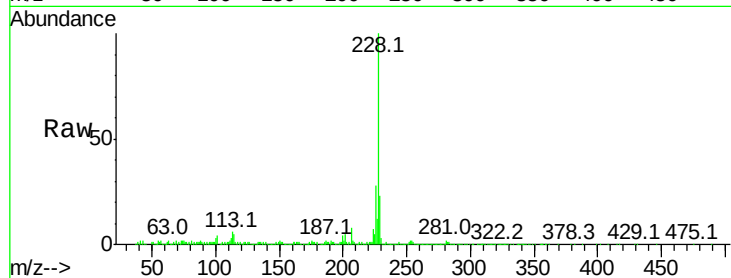
#82
Chrysene
Concen: 20.644 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM013944.D
Acq: 29 Jan 2018 04:13

Instrument :
BNA_M
ClientSampled :
F6B30

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.4	35.2
229	22.7	15.5	23.3

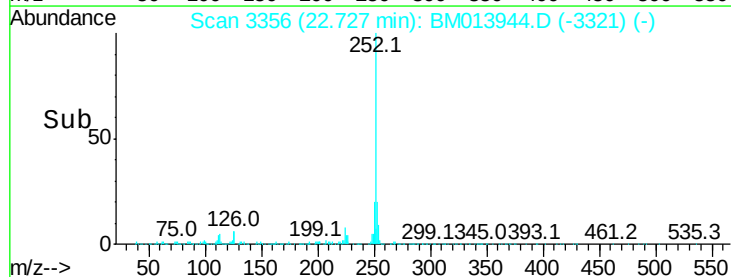
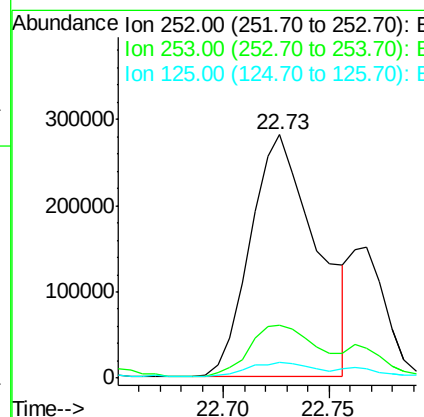
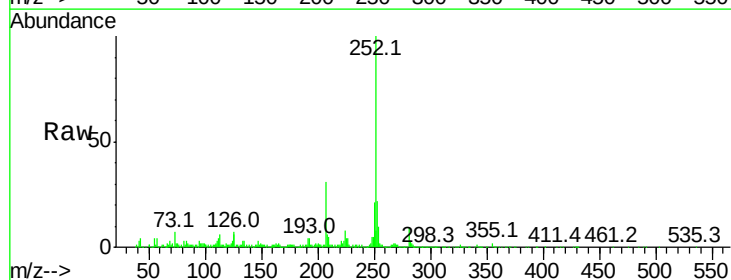
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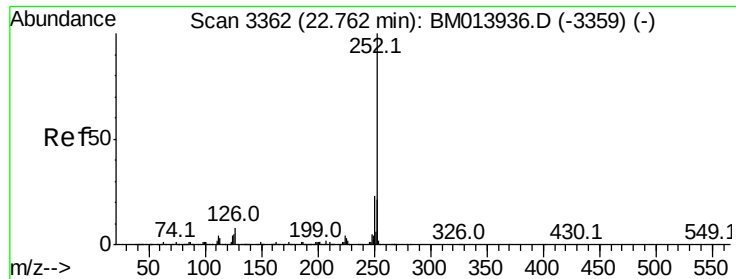
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#85
Benzo(b)fluoranthene
Concen: 13.057 ng/ul
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM013944.D
Acq: 29 Jan 2018 04:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	6.5	3.6	5.4





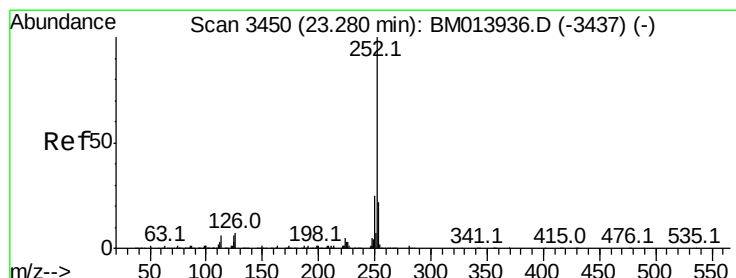
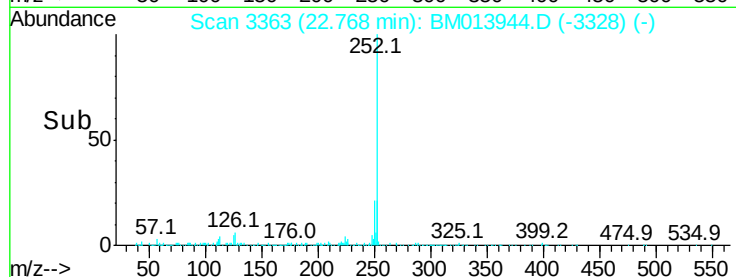
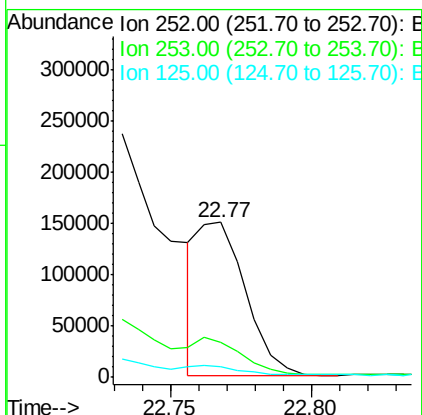
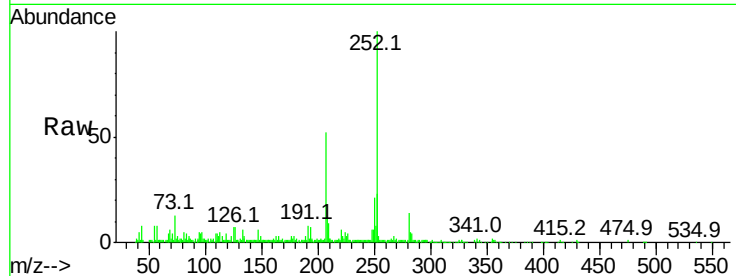
#86
Benzo(k)fluoranthene
Concen: 3.831 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM013944.D
Acq: 29 Jan 2018 04:13

Instrument :
BNA_M
ClientSampleId :
F6B30

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	7.2	3.4	5.2

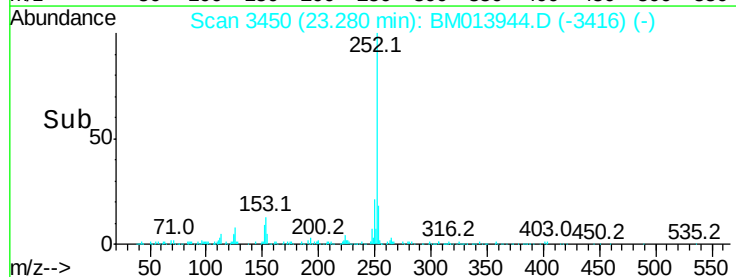
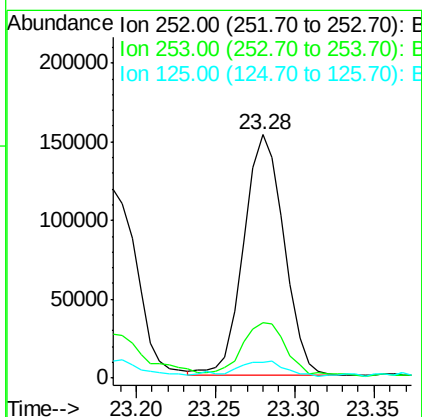
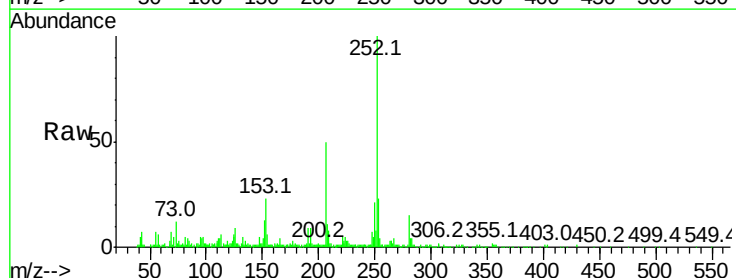
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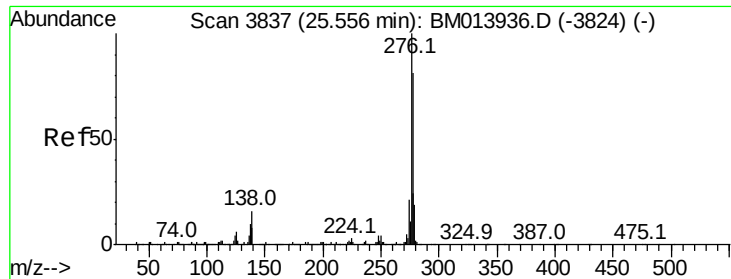
Sohil
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#88
Benzo(a)pyrene
Concen: 6.129 ng/ul
RT: 23.28 min Scan# 3450
Delta R.T. -0.00 min
Lab File: BM013944.D
Acq: 29 Jan 2018 04:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	6.3	4.0	6.0





#89

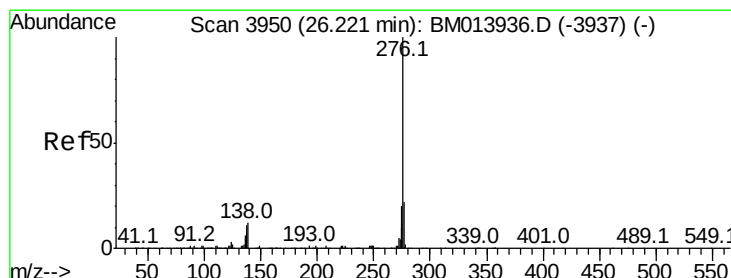
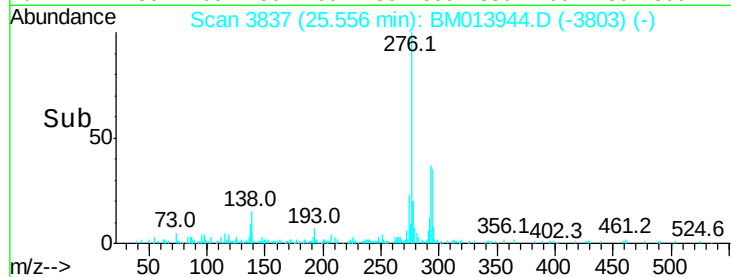
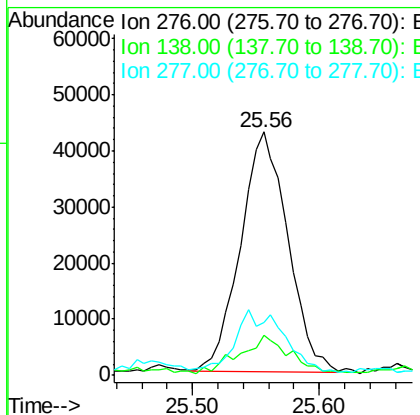
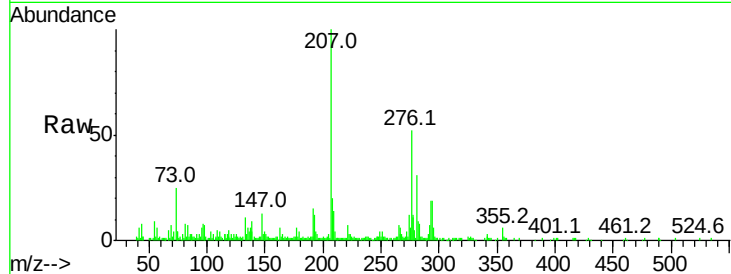
Indeno(1,2,3-cd)pyrene
Concen: 2.127 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. -0.00 min
Lab File: BM013944.D
Acq: 29 Jan 2018 04:13

Instrument :
BNA_M
ClientSampled :
F6B30

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	9.3	13.9#
277	21.8	19.9	29.9

Manual Integrations
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1/29/2018 6:08:23 PM



#91

Benzo(g,h,i)perylene
Concen: 1.694 ng/ul
RT: 26.22 min Scan# 3950
Delta R.T. -0.00 min
Lab File: BM013944.D
Acq: 29 Jan 2018 04:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	8.5	12.7#
277	22.8	18.6	28.0

