

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013779.D
 Acq On : 24 Jan 2018 21:49
 Operator : SJ/JU
 Sample : J1223-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A77

Manual Integrations
 APPROVED

Sohil
 1/25/2018 5:35:33 PM

Quant Time: Jan 25 02:53:08 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 00:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	126326	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	488378	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	283698	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	648984	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	736756	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	749577	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	12578m	3.94	ng/uL	0.00
5) Phenol-d5	6.78	99	274844	28.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	159636	27.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	228537	28.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	226494	30.38	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	108776	28.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	122200	30.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	234304	30.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	273941	40.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	679969	29.08	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	859374	28.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	101424	26.69	ng/ul	0.00
57) Fluorene-d10	15.25	176	596890	29.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	97199	24.88	ng/ul	0.00
70) Anthracene-d10	17.10	188	939025	29.71	ng/ul	0.00
76) Pyrene-d10	19.40	212	1082796	31.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	1089279	31.62	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.80	94	55956	5.753	ng/ul	87
28) Naphthalene	10.42	128	862526	35.500	ng/ul	98
34) 2-Methylnaphthalene	12.05	142	594011	32.792	ng/ul	92
40) 1,1'-Biphenyl	13.07	154	203988	8.638	ng/ul	96
44) Dimethylphthalate	13.72	163	283537	12.333	ng/ul	96
49) Acenaphthene	14.31	153	931519	49.302	ng/ul	98
53) Dibenzofuran	14.65	168	868913	30.570	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	14.88	232	88081	14.790	ng/ul#	90
58) Fluorene	15.30	166	686192	29.471	ng/ul	98
68) Pentachlorophenol	16.66	266	1189748	271.356	ng/ul	98
69) Phenanthrene	17.04	178	3116824	86.400	ng/ul	99
71) Anthracene	17.13	178	421047	11.316	ng/ul	97
72) Carbazole	17.41	167	301487	9.816	ng/ul	97
74) Fluoranthene	19.07	202	1734713	40.285	ng/ul#	94
77) Pyrene	19.43	202	1169661	26.115	ng/ul#	94
80) Benzo(a)anthracene	21.19	228	201632	4.529	ng/ul	99
82) Chrysene	21.24	228	155823	3.815	ng/ul	96
85) Benzo(b)fluoranthene	22.74	252	82167	1.785	ng/ul#	91

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

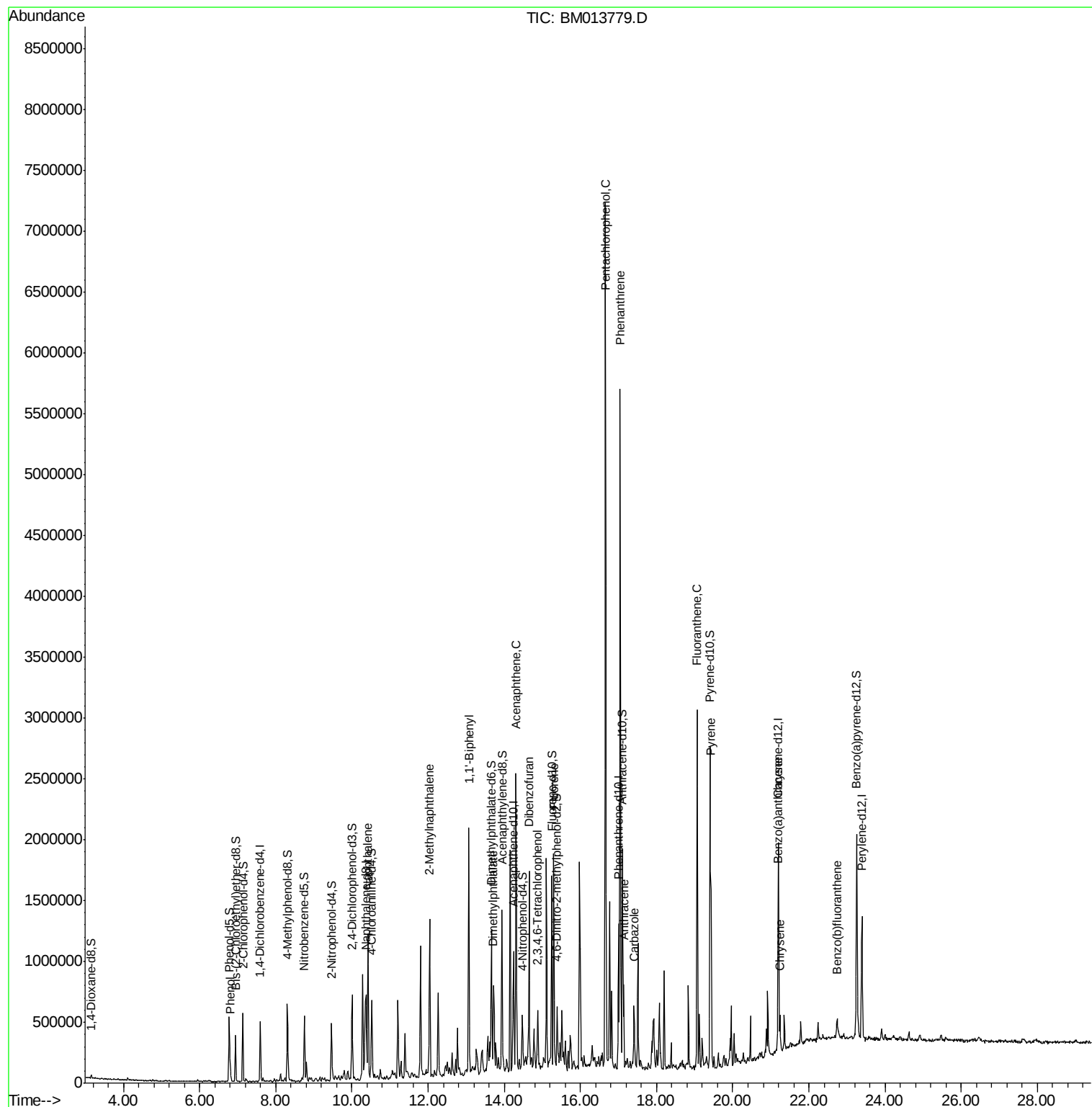
Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013779.D
Acq On : 24 Jan 2018 21:49
Operator : SJ/JU
Sample : J1223-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

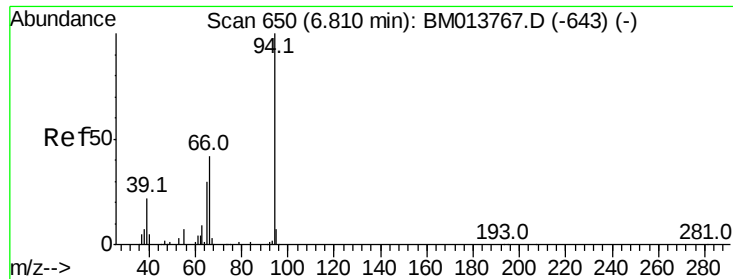
Instrument :
BNA_M
ClientSampleId :
F6A77

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Quant Time: Jan 25 02:53:08 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 25 00:32:09 2018
Response via : Initial Calibration





#6

Phenol

Concen: 5.753 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

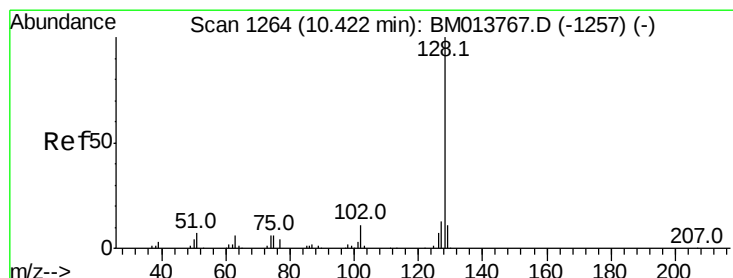
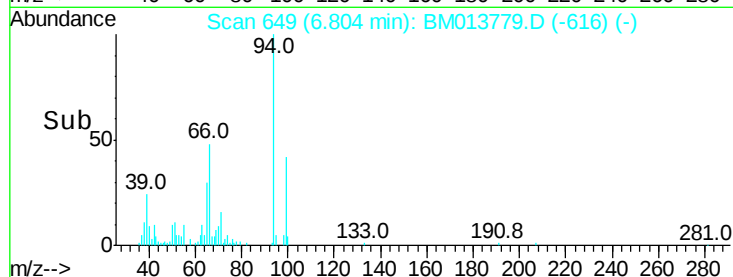
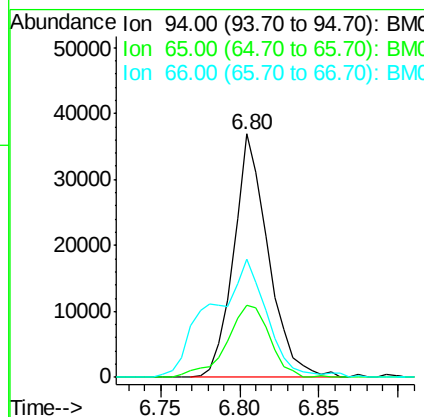
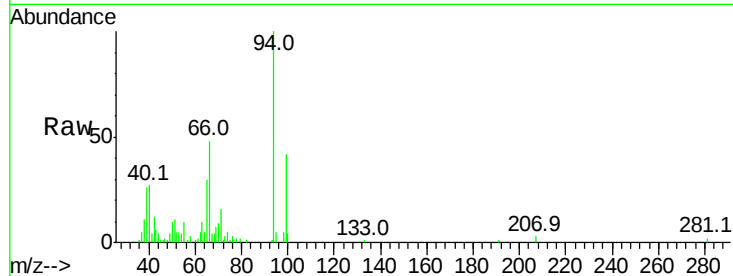
ClientSampled :

F6A77

Tot Ion:	94	Resp:	55956
Ion Ratio	Lower	Upper	
94	100		
65	29.5	28.2	42.4
66	48.4	47.2	70.8

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#28

Naphthalene

Concen: 35.500 ng/ul

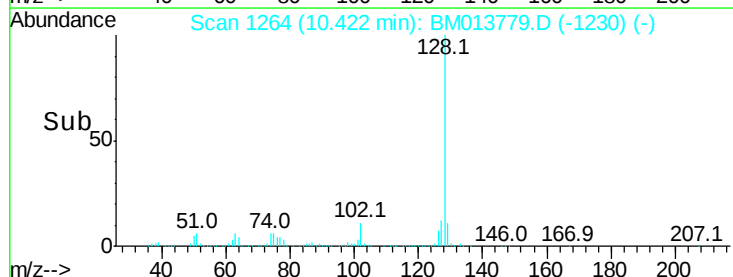
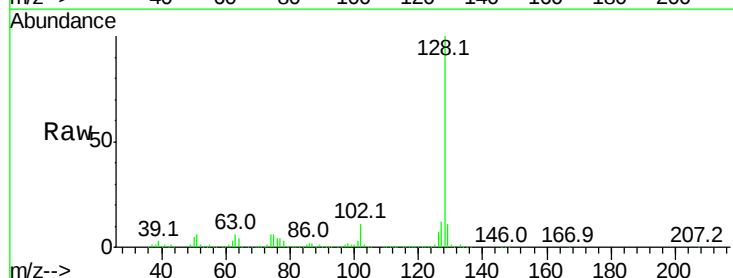
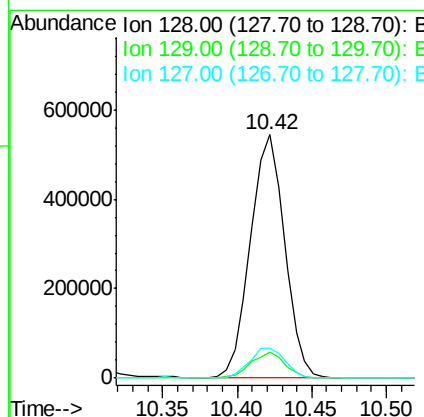
RT: 10.42 min Scan# 1264

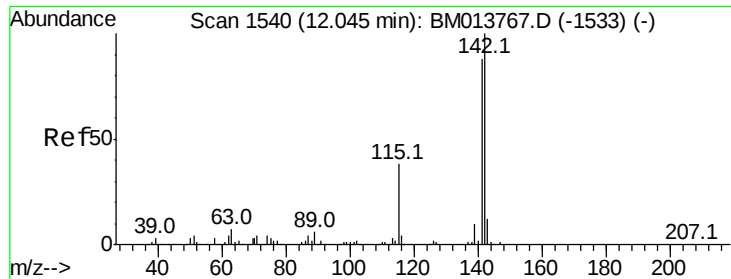
Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:	128	Resp:	862526
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	12.4	10.6	16.0





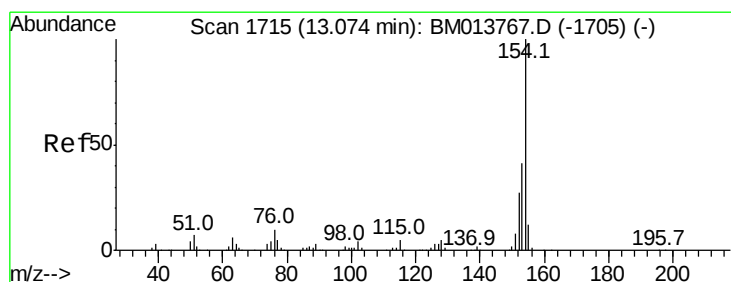
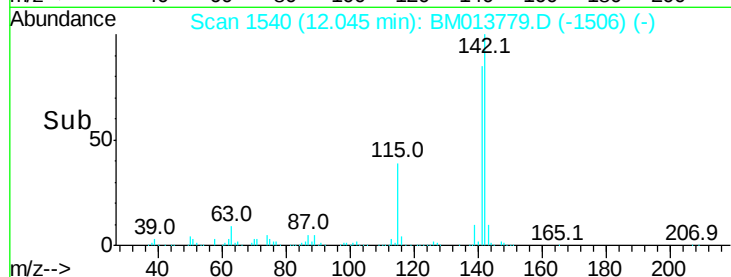
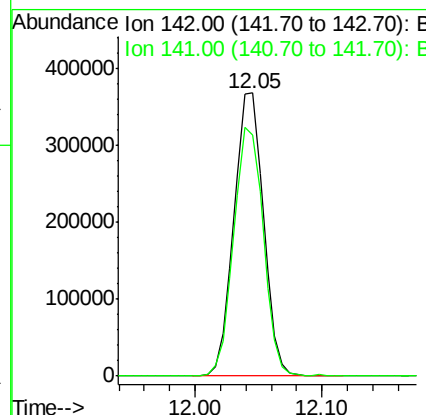
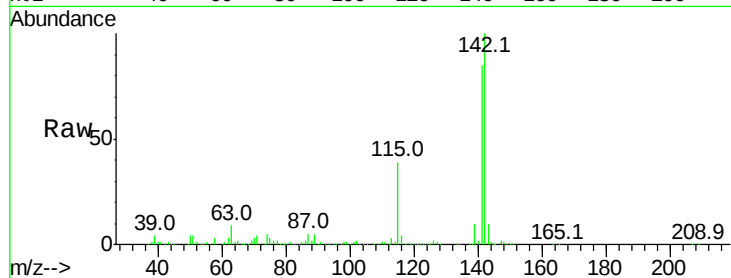
#34
 2-Methylnaphthalene
 Concen: 32.792 ng/ul
 RT: 12.05 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

Instrument :
 BNA_M
 ClientSampleId :
 F6A77

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.3	74.1	111.1

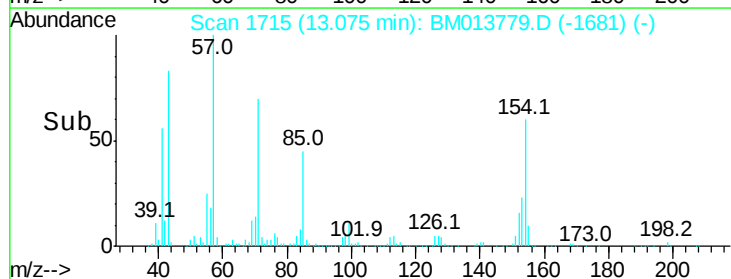
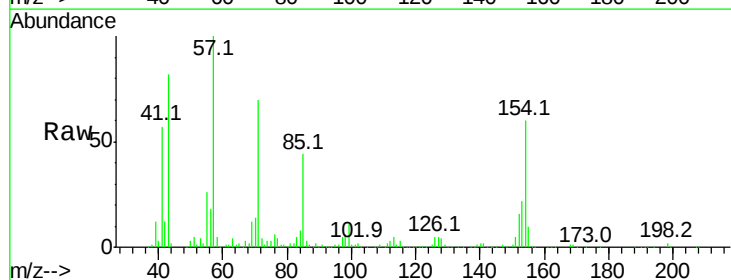
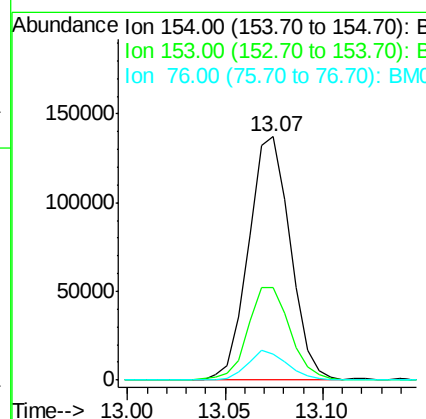
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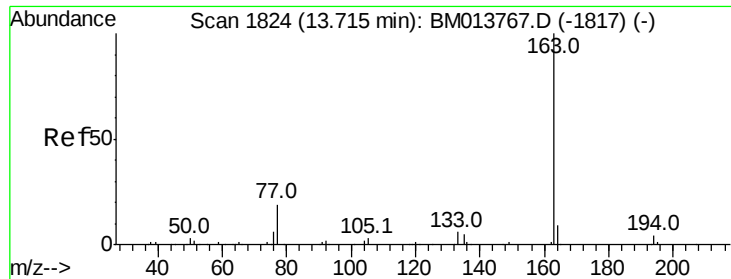
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#40
 1,1'-Biphenyl
 Concen: 8.638 ng/ul
 RT: 13.07 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.8	32.6	48.8
76	10.9	8.5	12.7





#44

Dimethylphthalate

Concen: 12.333 ng/ul

RT: 13.72 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

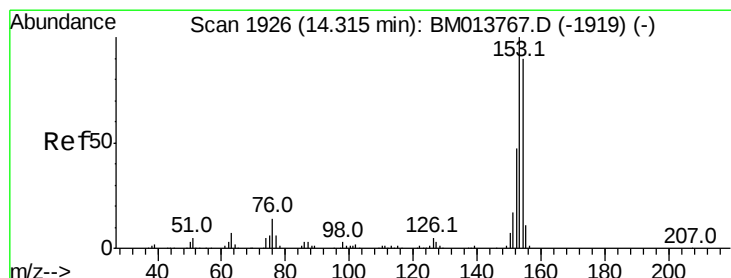
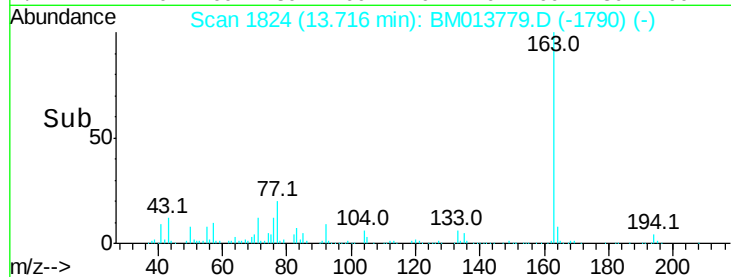
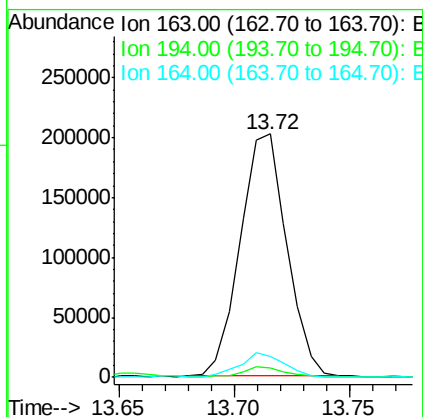
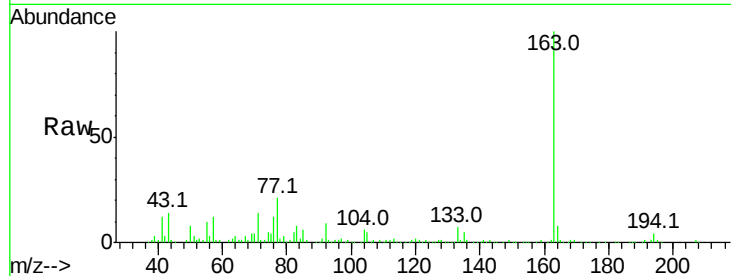
ClientSampled :

F6A77

Tot Ion:	163	Resp:	283537
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.5	5.3
164	8.4	8.2	12.4

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#49

Acenaphthene

Concen: 49.302 ng/ul

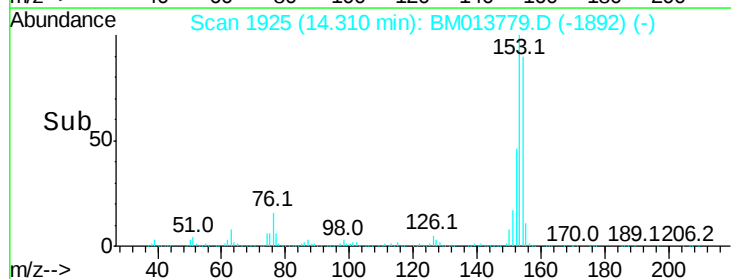
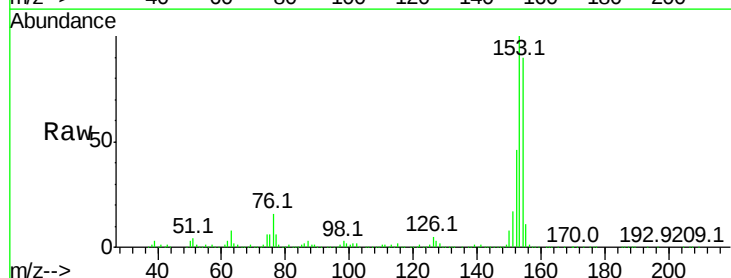
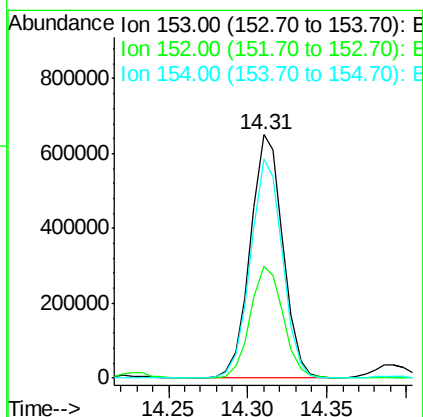
RT: 14.31 min Scan# 1925

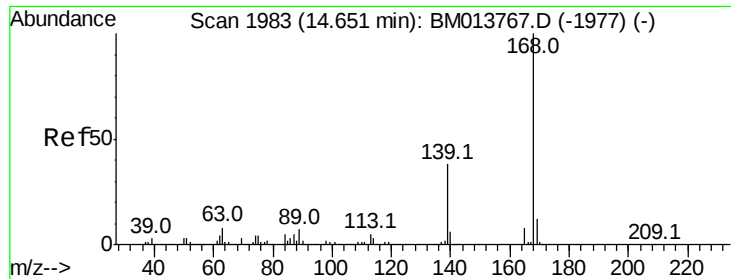
Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:	153	Resp:	931519
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.6	56.4
154	90.1	70.4	105.6





#53

Dibenzofuran

Concen: 30.570 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampleId :

F6A77

Tot Ion:168 Resp: 868913

Ion Ratio Lower Upper

168 100

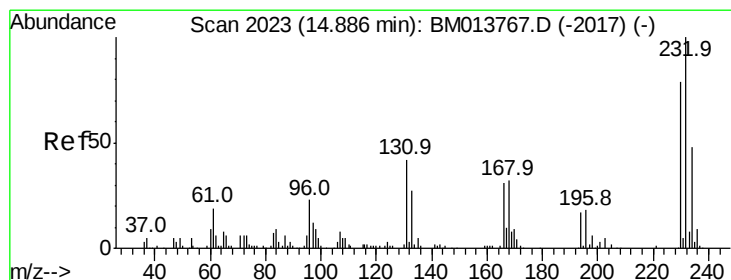
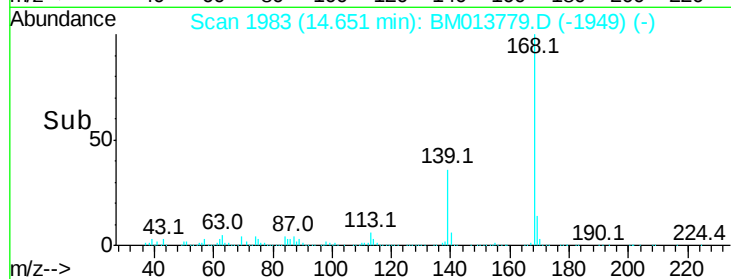
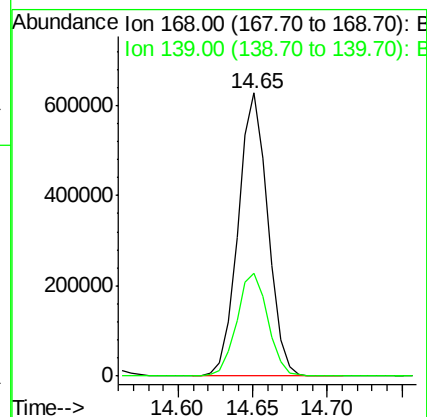
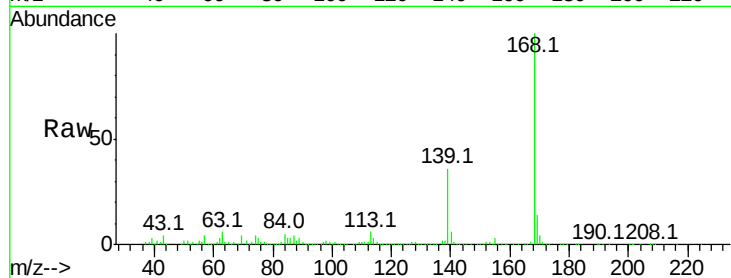
139 36.4 30.8 46.2

Manual Integrations

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#55

2,3,4,6-Tetrachlorophenol

Concen: 14.790 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:232 Resp: 88081

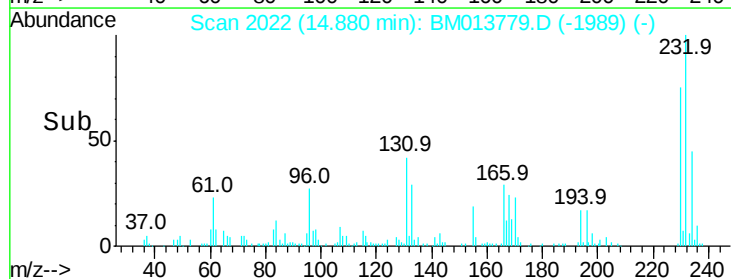
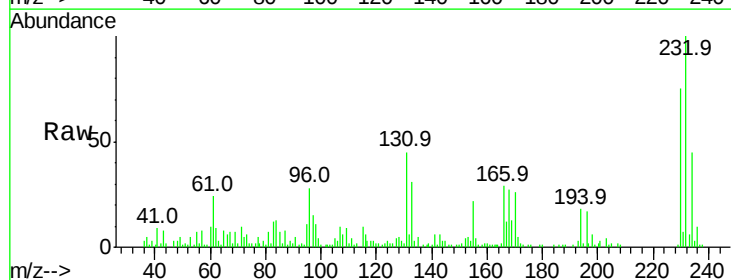
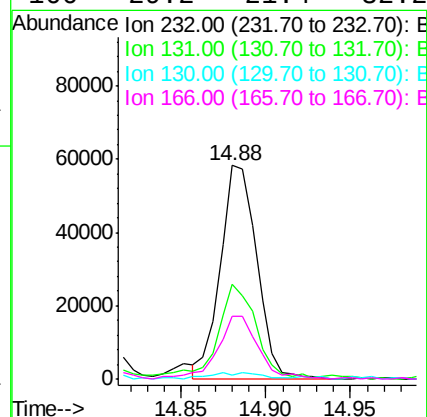
Ion Ratio Lower Upper

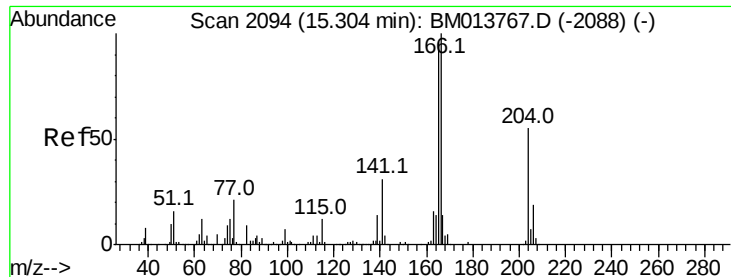
232 100

131 44.6 29.0 43.4#

130 2.1 2.0 3.0

166 29.2 21.4 32.2





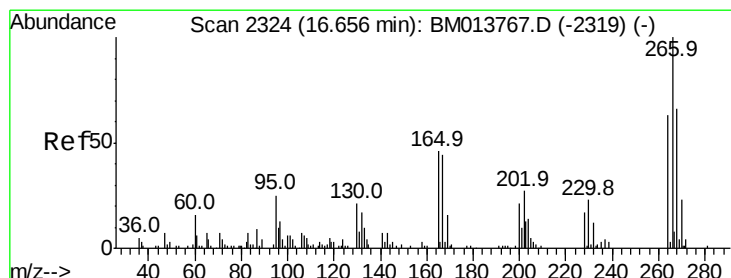
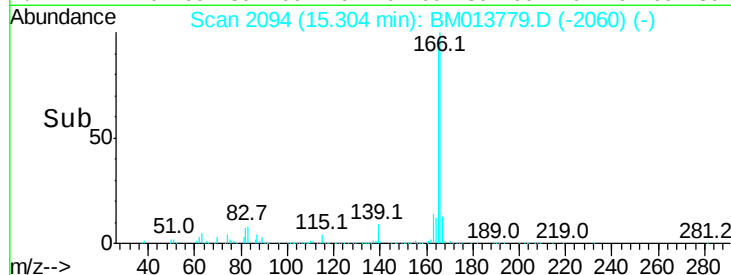
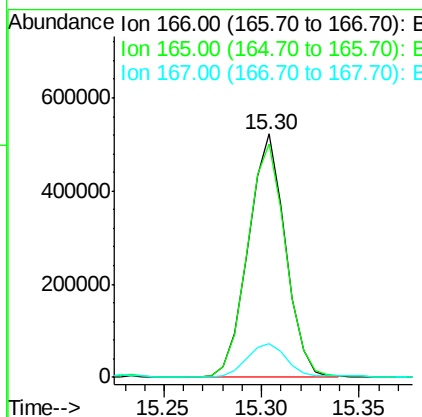
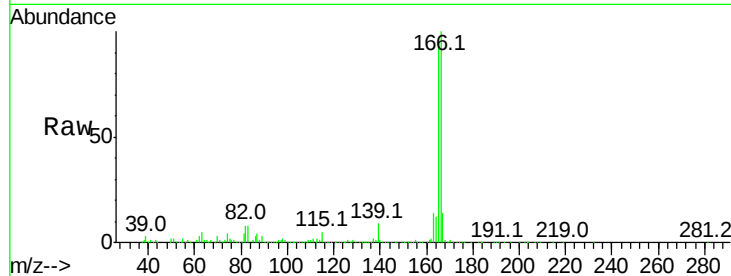
#58
 Fluorene
 Concen: 29.471 ng/ul
 RT: 15.30 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

Instrument :
 BNA_M
 ClientSampleId :
 F6A77

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.7	77.9	116.9	
167	13.8	10.6	16.0	

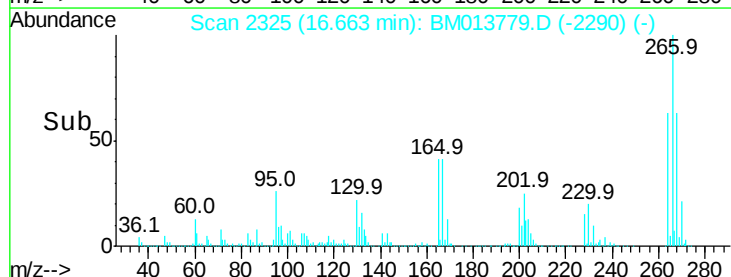
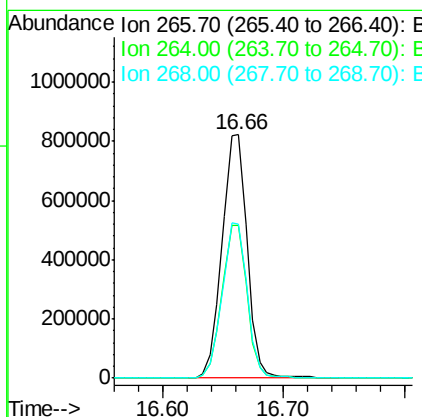
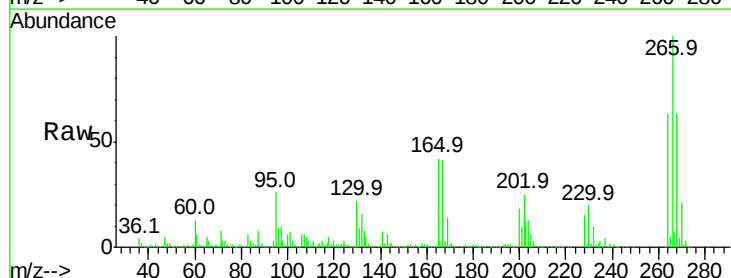
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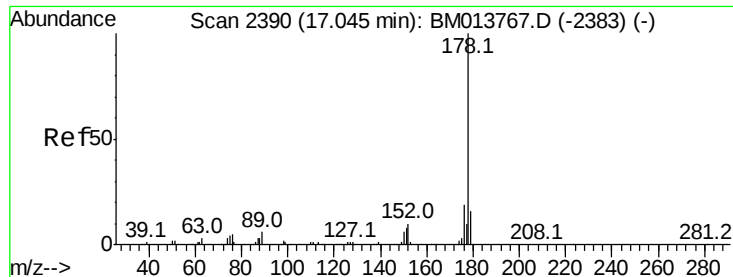
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#68
 Pentachlorophenol
 Concen: 271.356 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. 0.01 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
264	62.8	49.3	73.9	
268	63.2	52.6	78.8	





#69

Phenanthrene

Concen: 86.400 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampleId :

F6A77

Tot Ion:178 Resp: 3116824

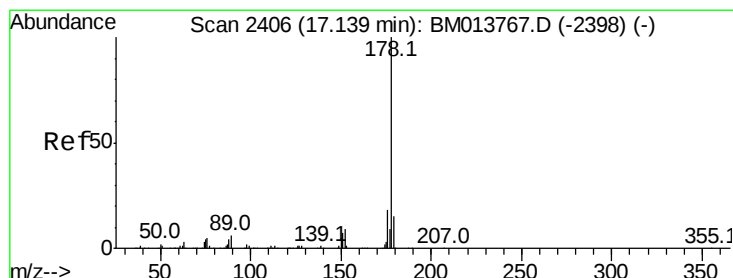
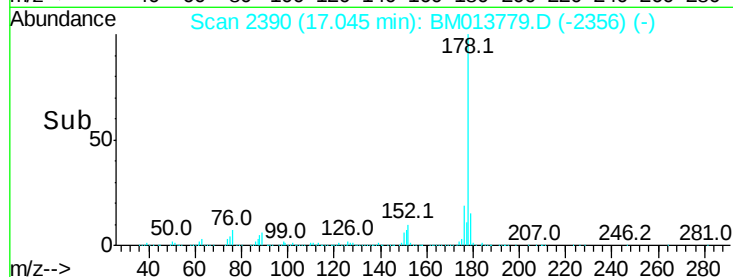
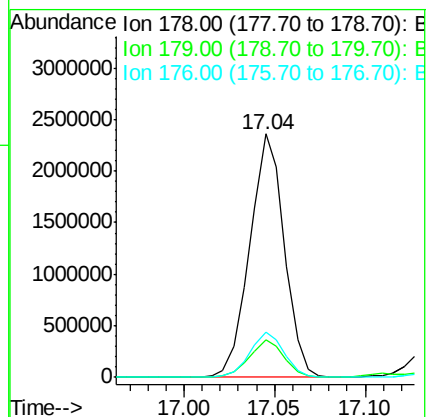
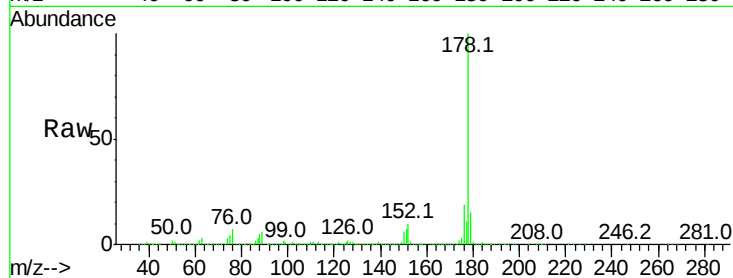
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	18.8	14.9	22.3

Manual Integrations

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#71

Anthracene

Concen: 11.316 ng/ul

RT: 17.13 min Scan# 2405

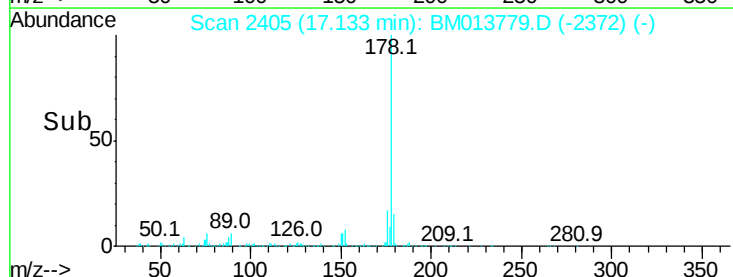
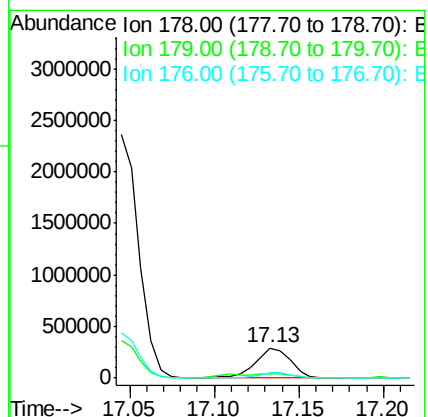
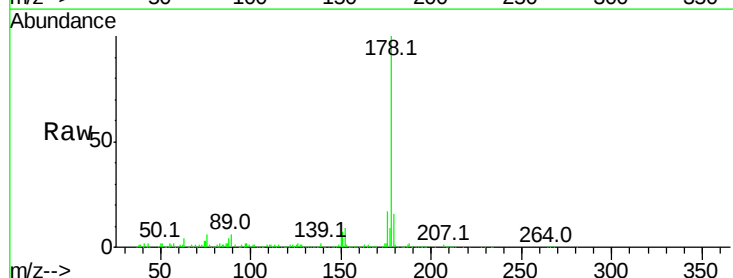
Delta R.T. -0.01 min

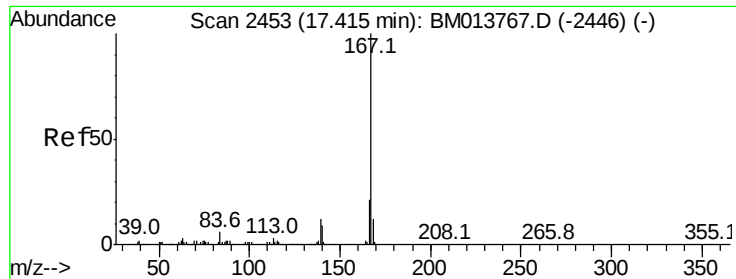
Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:178 Resp: 421047

Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	16.7	14.6	21.8





#72

Carbazole

Concen: 9.816 ng/ul

RT: 17.41 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

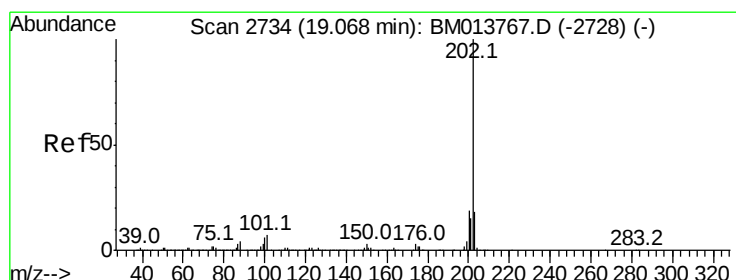
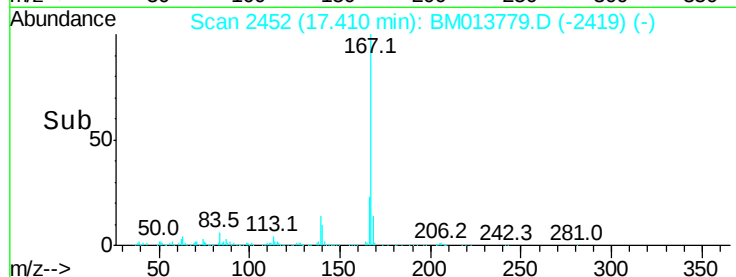
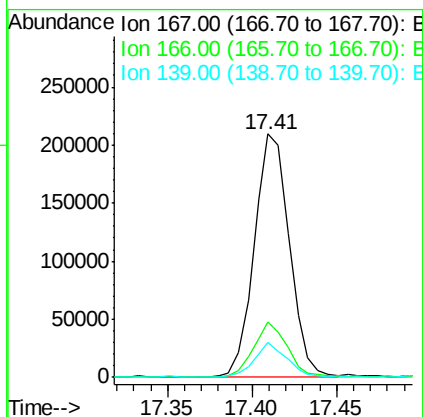
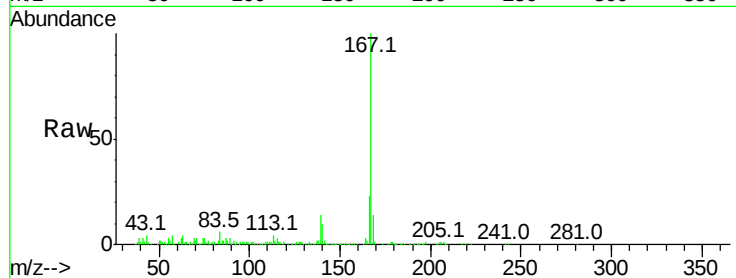
ClientSampled :

F6A77

Tot Ion:	167	Resp:	301487
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.1	25.7
139	14.2	10.0	15.0

Manual Integrations
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1/25/2018 5:35:33 PM



#74

Fluoranthene

Concen: 40.285 ng/ul

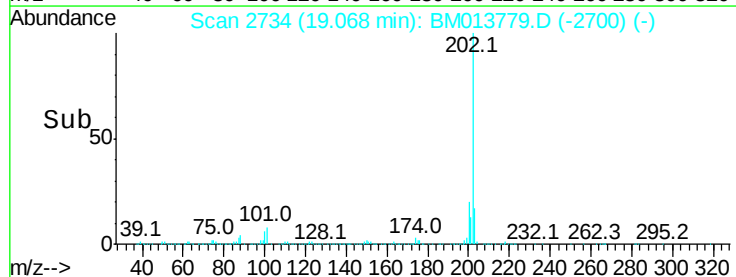
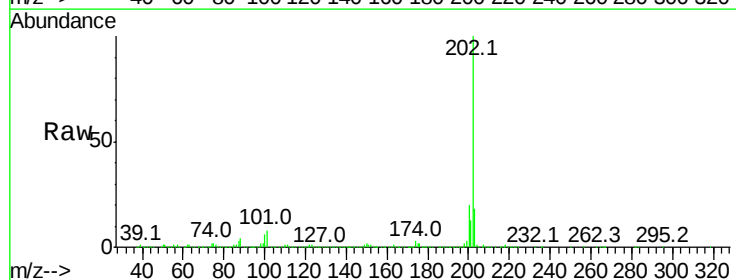
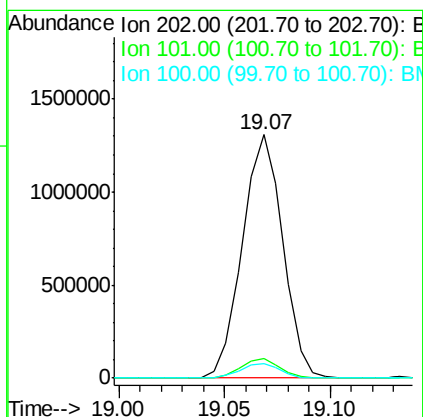
RT: 19.07 min Scan# 2734

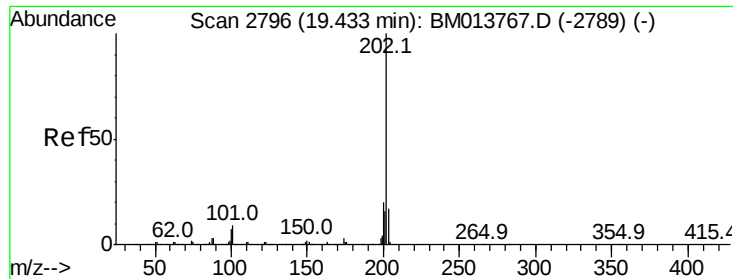
Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:	202	Resp:	1734713
Ion Ratio	Lower	Upper	
202	100		
101	8.0	4.6	7.0#
100	6.1	3.4	5.2#





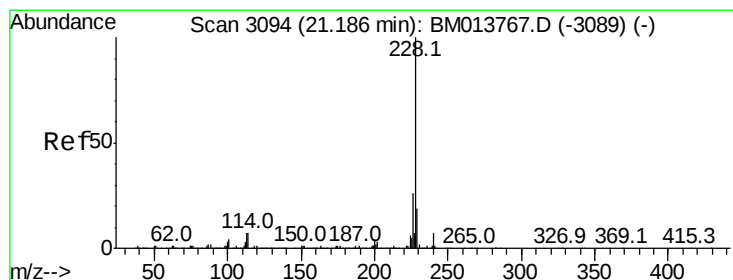
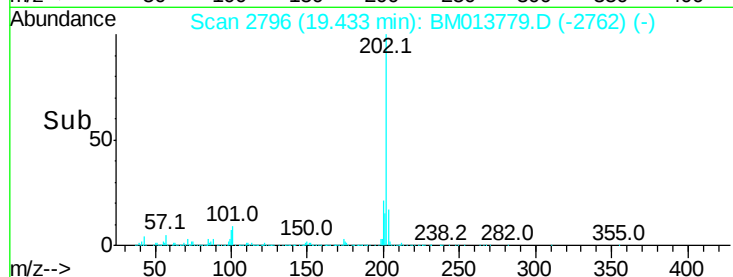
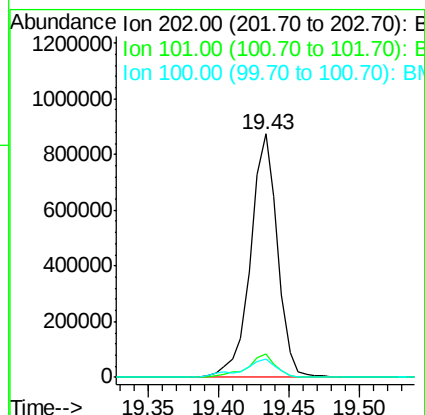
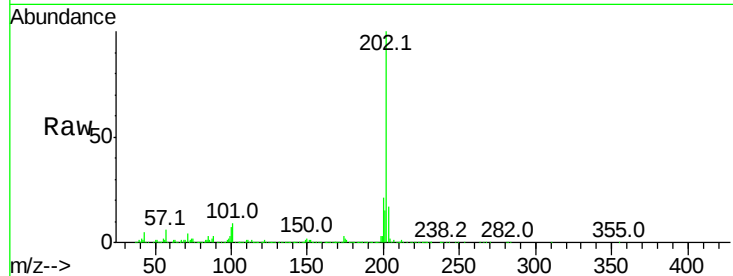
#77
Pvrene
Concen: 26.115 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. 0.00 min
Lab File: BM013779.D
Acq: 24 Jan 2018 21:49

Instrument :
BNA_M
ClientSampleId :
F6A77

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1169661		
101	9.4	5.1	7.7#	
100	7.3	4.9	7.3#	

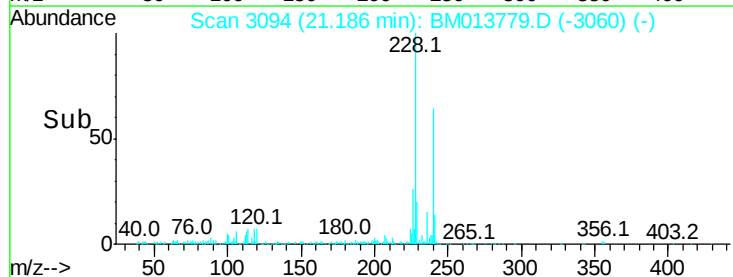
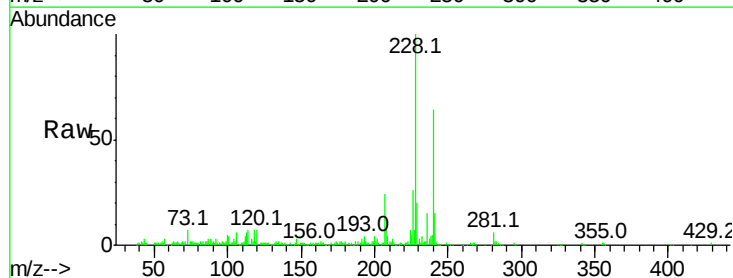
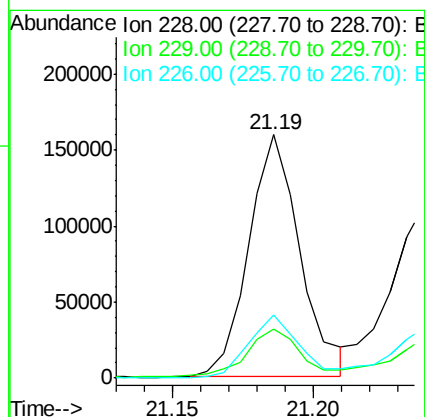
Manual Integrations
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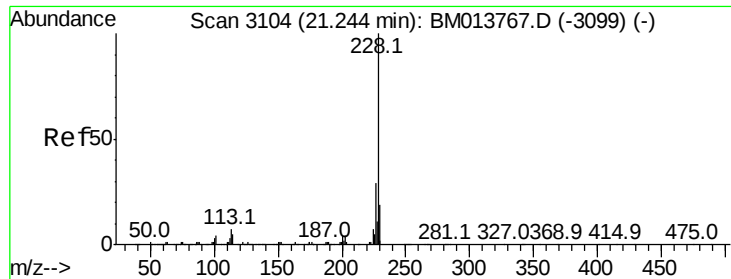
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#80
Benzo(a)anthracene
Concen: 4.529 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.00 min
Lab File: BM013779.D
Acq: 24 Jan 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	201632		
229	20.0	15.4	23.0	
226	26.1	21.4	32.0	





#82

Chrysene

Concen: 3.815 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

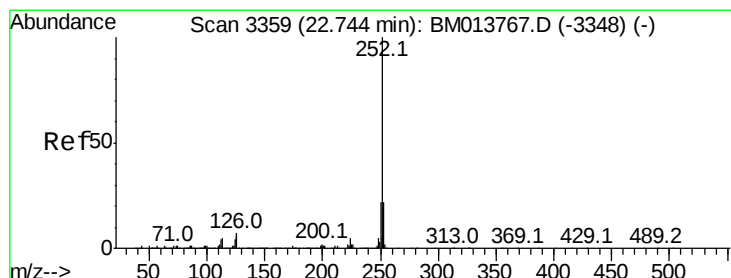
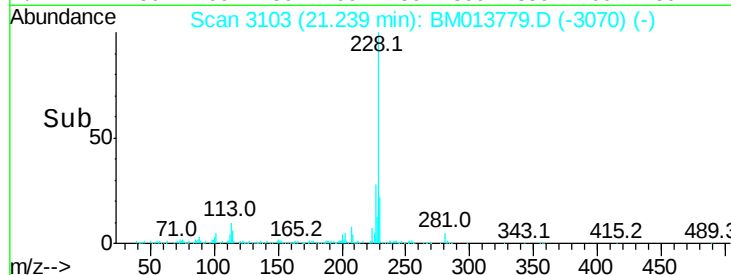
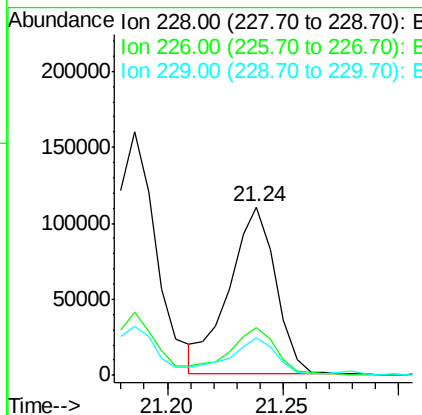
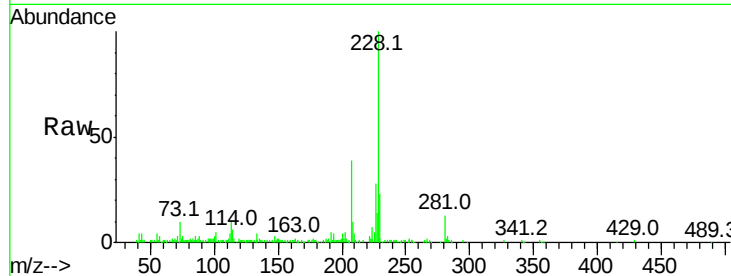
ClientSampled :

F6A77

Tot Ion:	228	Resp:	155823
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.4	35.2
229	22.7	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 1.785 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:	252	Resp:	82167
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.9	26.9
125	8.4	3.6	5.4#

