

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013384.D
 Acq On : 13 Dec 2017 21:22
 Operator : SJ/JU
 Sample : I6759-11ME
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A19ME

Manual Integrations
 APPROVED

Sohil
 12/15/2017 7:34:20 PM

Quant Time: Dec 14 16:45:20 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 01:15:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	145500	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	634063	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	393852	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	997362	20.00	ng/ul	0.01
75) Chrysene-d12	21.27	240	1318156	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1219620	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	8316	2.83	ng/uL	0.00
5) Phenol-d5	6.86	99	197015	15.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	127404	17.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	165341	16.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	178415	16.59	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	92727	18.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	100752	18.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	189510	17.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	221833	21.76	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	659537	18.82	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	808285	18.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	101484	16.67	ng/ul	0.00
57) Fluorene-d10	15.32	176	590553	19.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	118053	18.82	ng/ul	0.01
70) Anthracene-d10	17.19	188	1006440	20.15	ng/ul	0.01
76) Pyrene-d10	19.48	212	1243988	18.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1152975	18.56	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.52	128	5139882	157.560	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	1879225	76.632	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	289062	8.684	ng/ul	98
44) Dimethylphthalate	13.79	163	81882	2.443	ng/ul#	97
47) Acenaphthylene	14.05	152	187270	4.679	ng/ul#	94
49) Acenaphthene	14.39	153	3547712	130.119	ng/ul	98
53) Dibenzofuran	14.73	168	3241779	80.540	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.96	232	140824m	16.320	ng/ul	
58) Fluorene	15.38	166	2825466	84.854	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.47	198	105198	16.778	ng/ul#	70
64) N-Nitrosodiphenylamine	15.59	169	129512	4.408	ng/ul#	77
68) Pentachlorophenol	16.76	266	8454903	1130.621	ng/ul	98
69) Phenanthrene	17.13	178	17387738m	306.868	ng/ul	
71) Anthracene	17.23	178	11512033	198.765	ng/ul	98
72) Carbazole	17.49	167	2004604	40.239	ng/ul	100
74) Fluoranthene	19.14	202	21535468m	310.140	ng/ul	
77) Pyrene	19.52	202	18557744	231.735	ng/ul#	76
80) Benzo(a)anthracene	21.26	228	5204873	62.234	ng/ul	99
82) Chrysene	21.31	228	5120239	65.990	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	3492054	42.474	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	995328m	12.864	ng/ul	
88) Benzo(a)pyrene	23.40	252	1237931	16.762	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.73	276	520096	7.097	ng/ul#	95

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 01:15:39 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.73	278	152384m	2.442	ng/ul	
91) Benzo(g,h,i)perylene	26.40	276	323092	5.590	ng/ul#	94

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

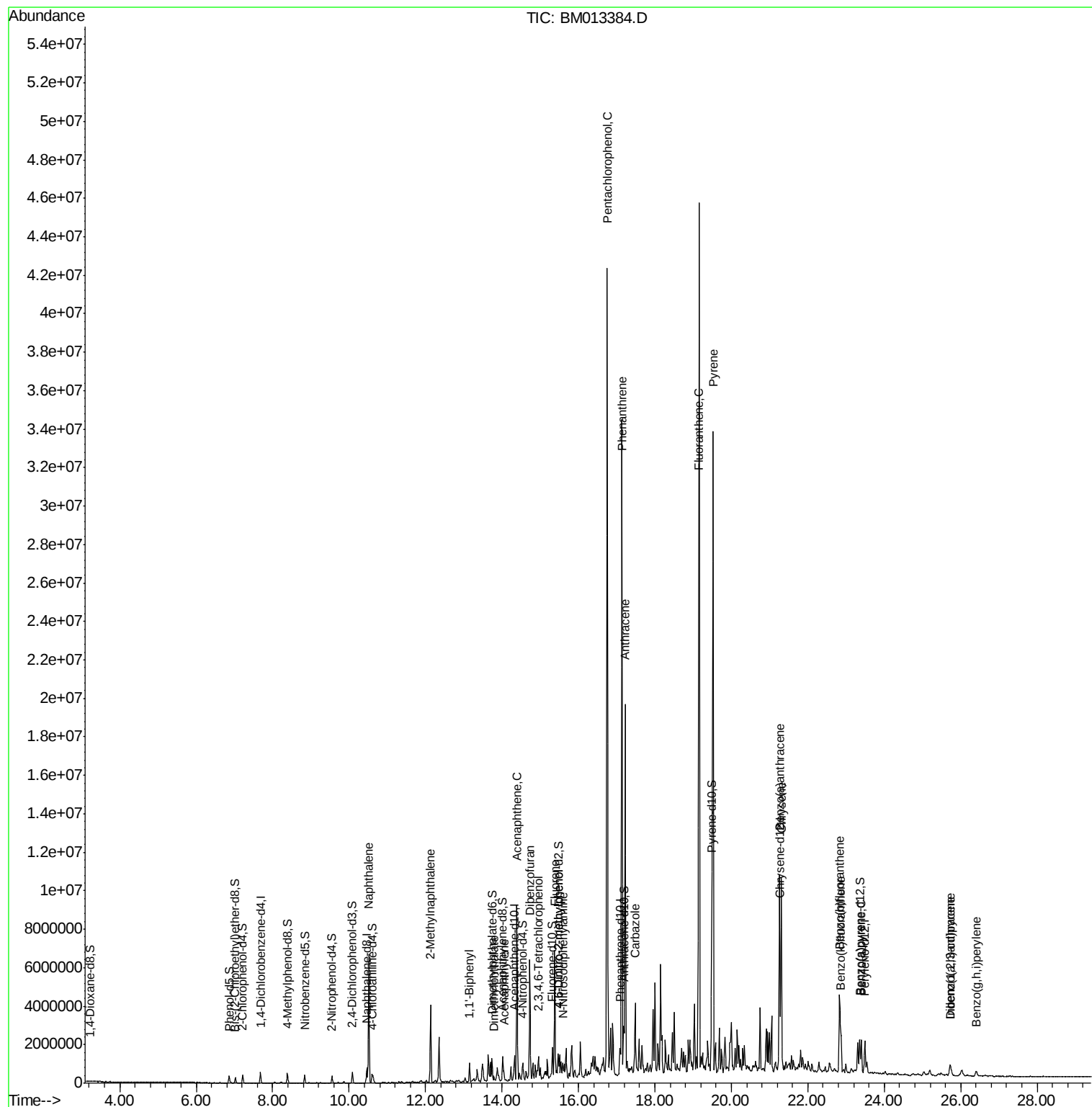
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013384.D
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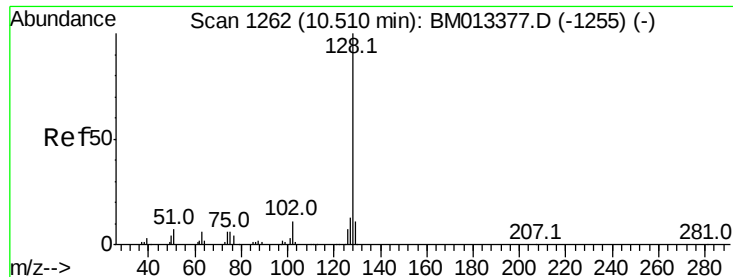
Instrument :
BNA_M
ClientSampled :
F9A19ME

Manual Integrations
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12/15/2017 7:34:20 PM

Quant Time: Dec 14 16:45:20 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 01:15:39 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 157.560 ng/ul

RT: 10.52 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

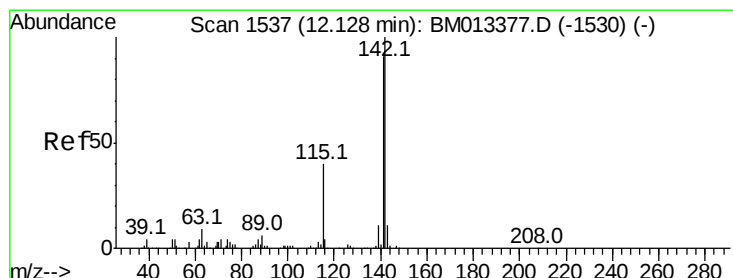
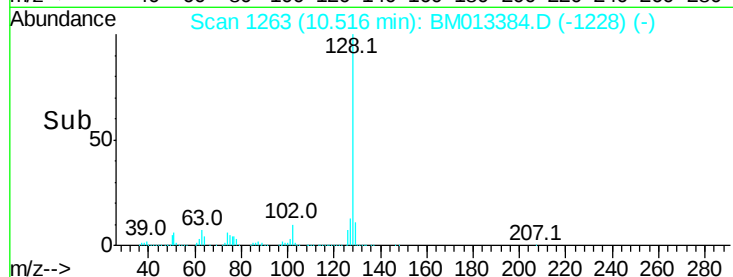
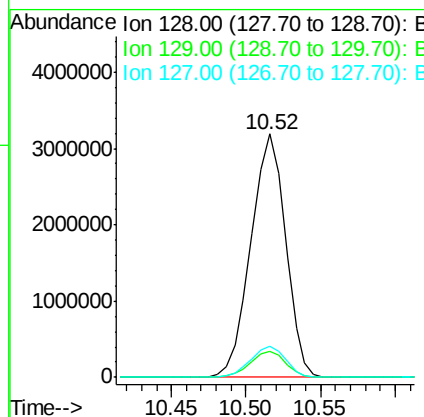
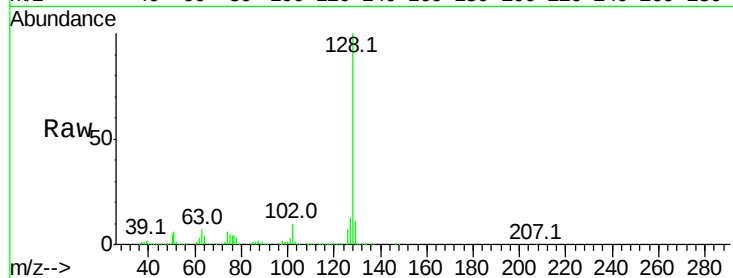
ClientSampleId :

F9A19ME

Tot Ion:	128	Resp:	5139882
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.6	10.6	16.0

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 76.632 ng/ul

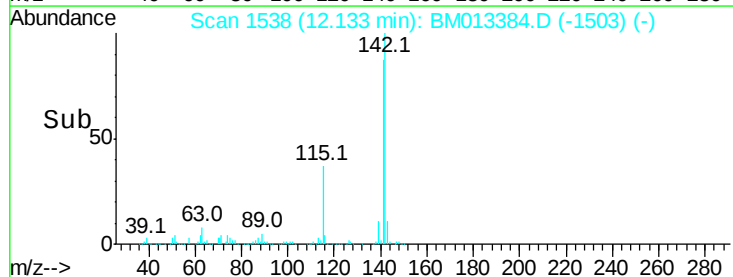
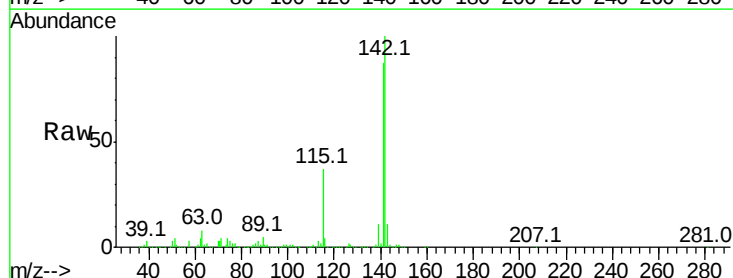
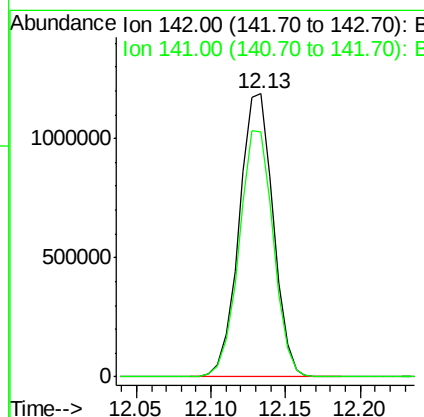
RT: 12.13 min Scan# 1538

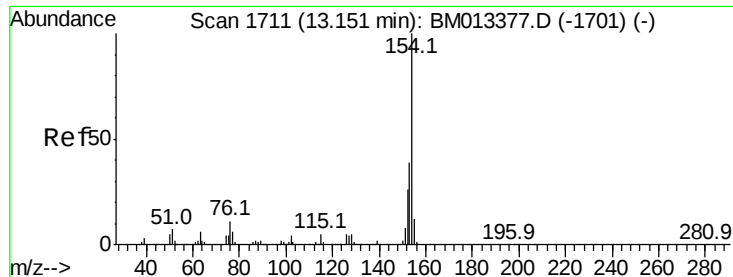
Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:	142	Resp:	1879225
Ion	Ratio	Lower	Upper
142	100		
141	86.7	74.1	111.1





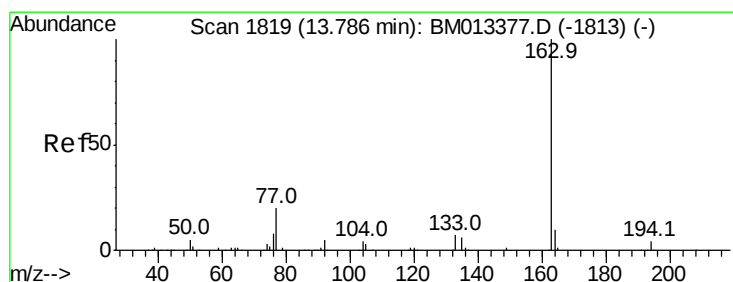
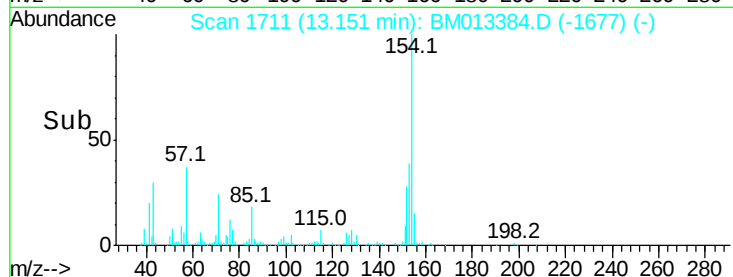
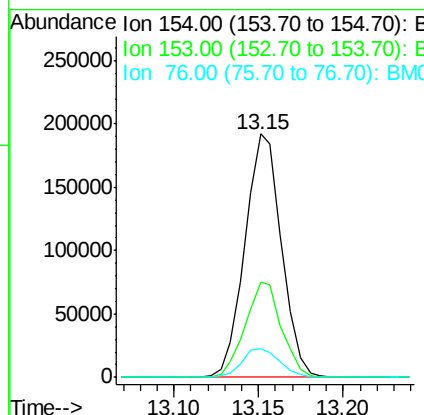
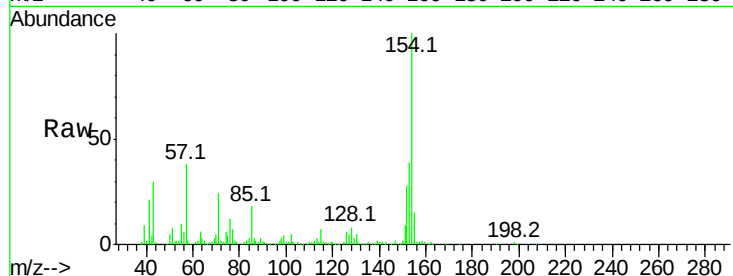
#40
1,1'-Biphenyl
Concen: 8.684 ng/ul
RT: 13.15 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BM013384.D
Acq: 13 Dec 2017 21:22

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.2	32.6	48.8
76	11.6	8.5	12.7

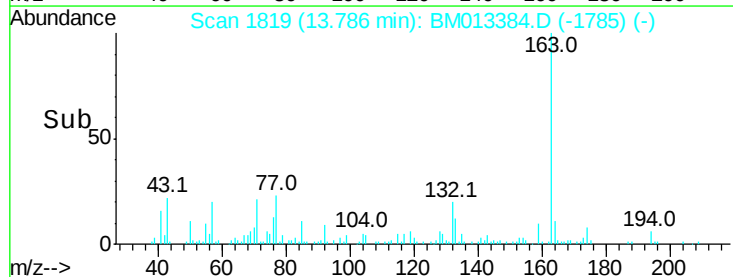
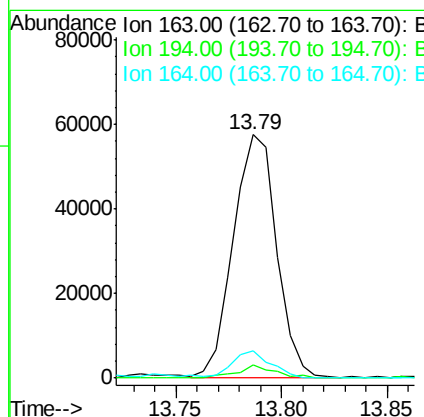
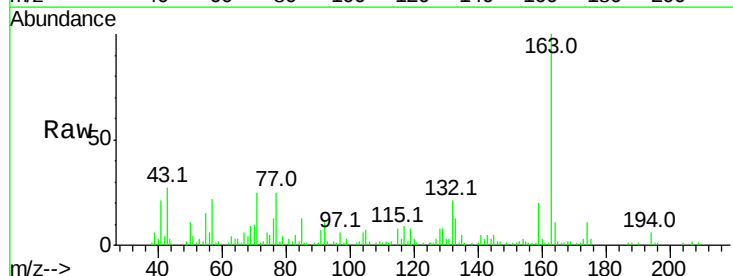
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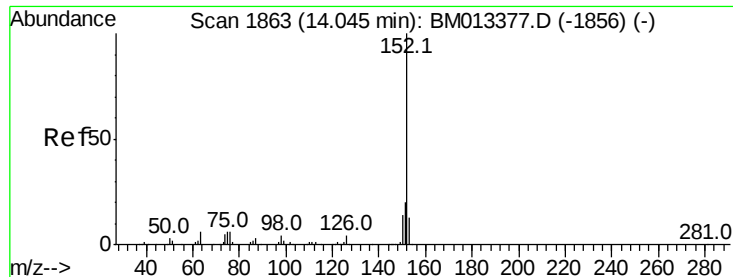
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#44
Dimethylphthalate
Concen: 2.443 ng/ul
RT: 13.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BM013384.D
Acq: 13 Dec 2017 21:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	11.3	8.2	12.4





#47

Acenaphthylene

Concen: 4.679 ng/ul

RT: 14.05 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

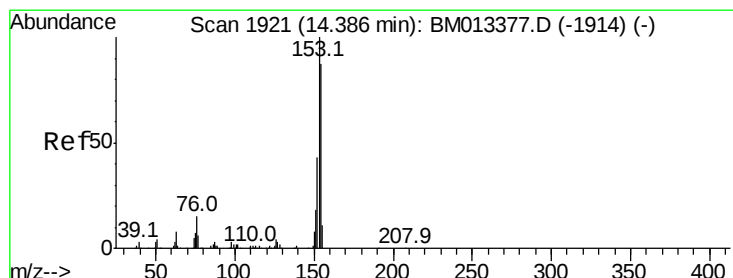
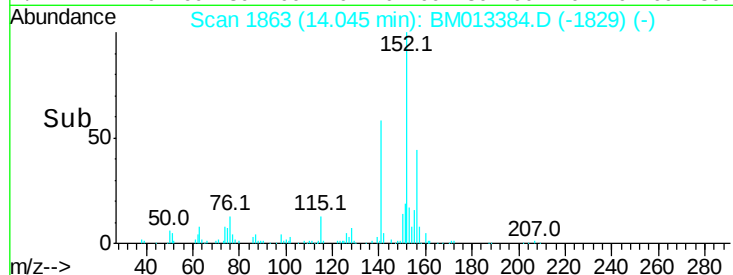
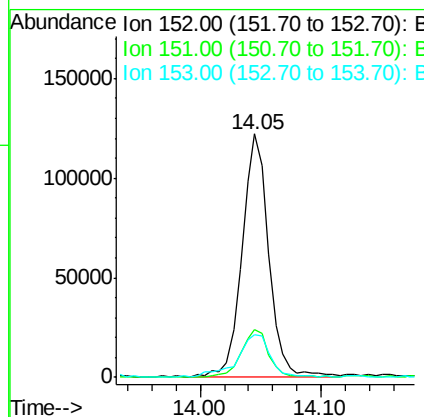
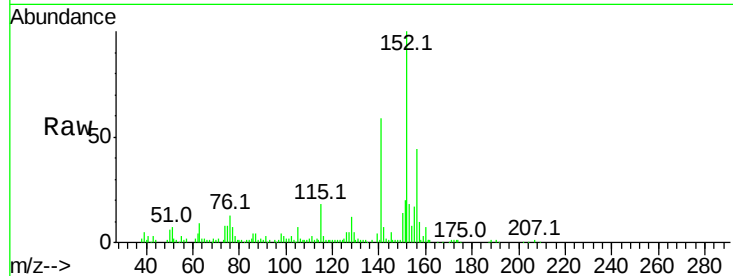
ClientSampleId :

F9A19ME

Tot Ion:	152	Resp:	187270
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	17.6	10.2	15.4#

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#49

Acenaphthene

Concen: 130.119 ng/ul

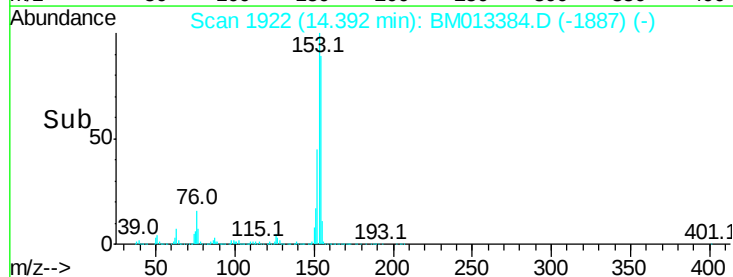
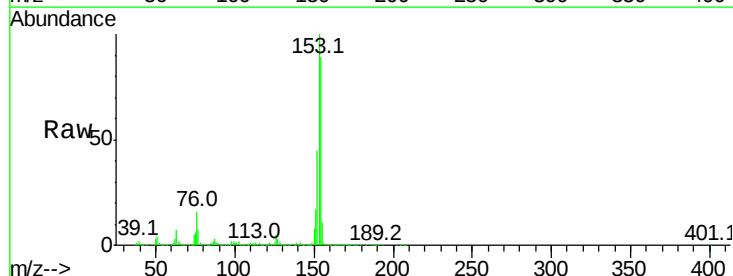
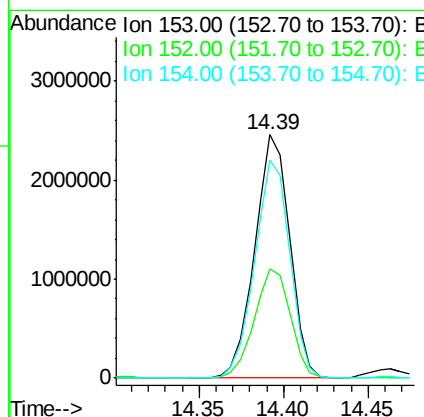
RT: 14.39 min Scan# 1922

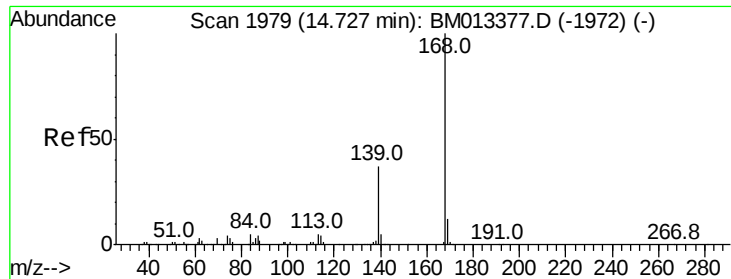
Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:	153	Resp:	3547712
Ion Ratio	Lower	Upper	
153	100		
152	44.8	37.6	56.4
154	89.5	70.4	105.6





#53

Dibenzofuran

Concen: 80.540 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

ClientSampled :

F9A19ME

Tot Ion:168 Resp: 3241779

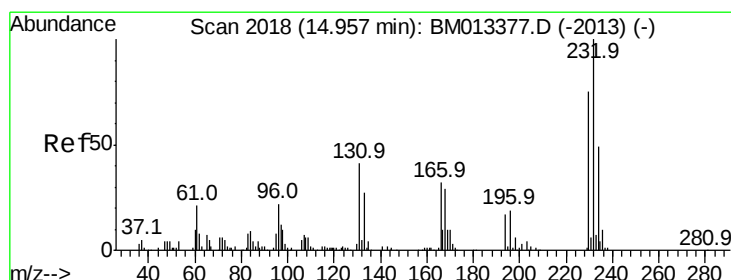
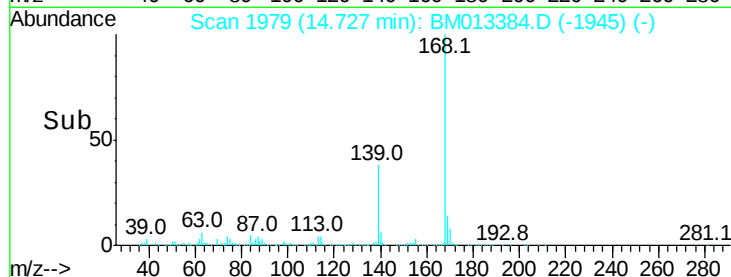
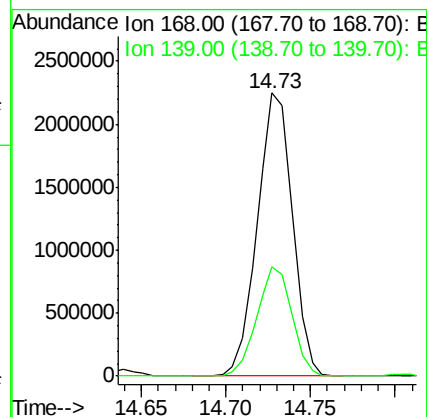
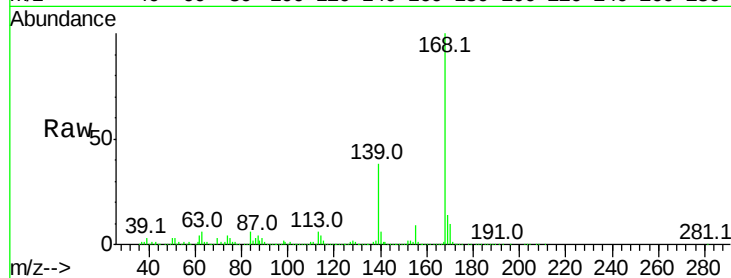
Ion Ratio Lower Upper

168 100

139 38.4 30.8 46.2

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#55

2,3,4,6-Tetrachlorophenol

Concen: 16.320 ng/ul m

RT: 14.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:232 Resp: 140824

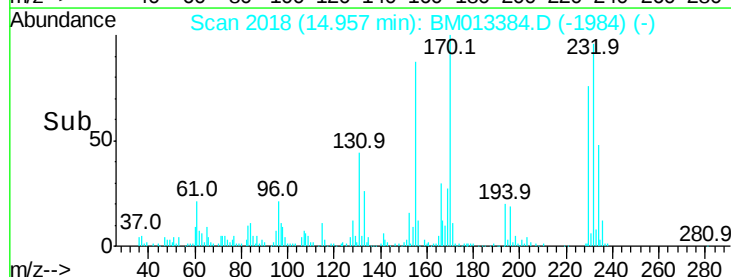
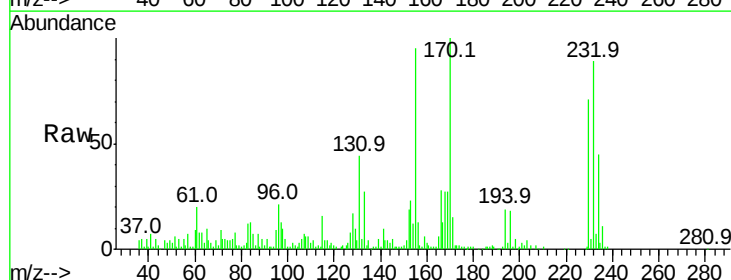
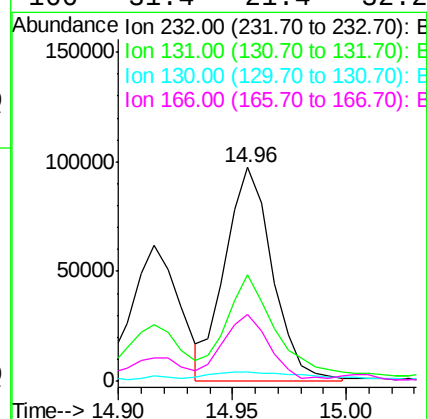
Ion Ratio Lower Upper

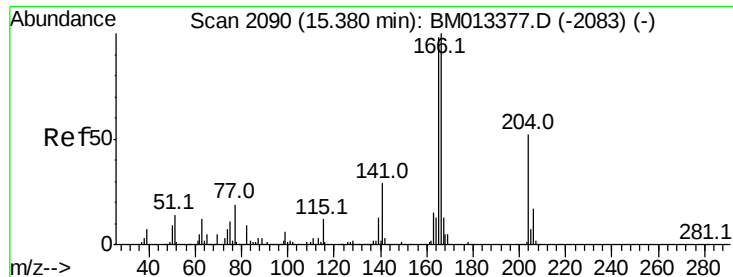
232 100

131 49.7 29.0 43.4#

130 4.3 2.0 3.0#

166 31.4 21.4 32.2





#58

Fluorene

Concen: 84.854 ng/ul

RT: 15.38 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

ClientSampled :

F9A19ME

Tot Ion:166 Resp: 2825466

Ion Ratio Lower Upper

166 100

165 96.1 77.9 116.9

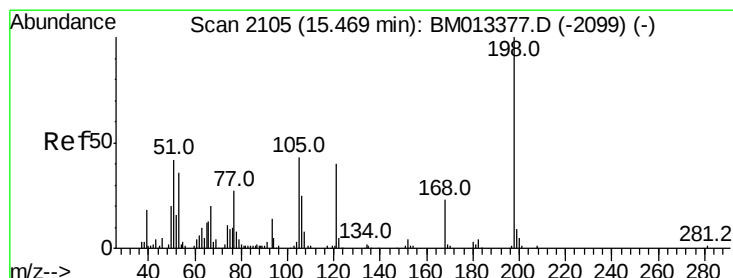
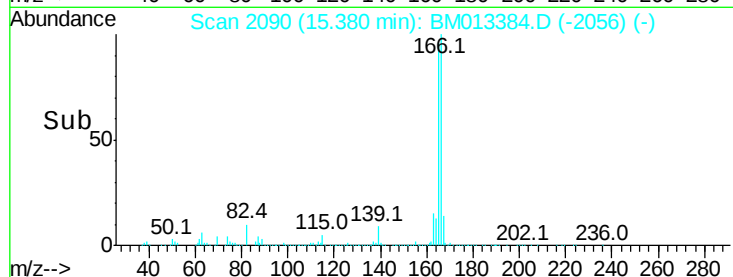
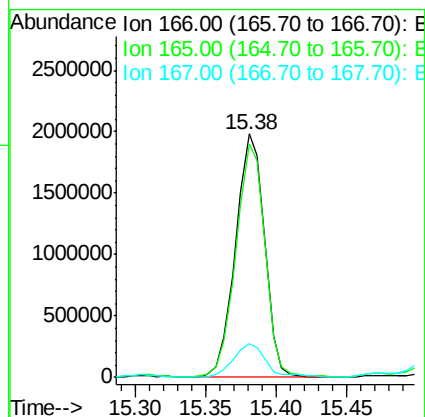
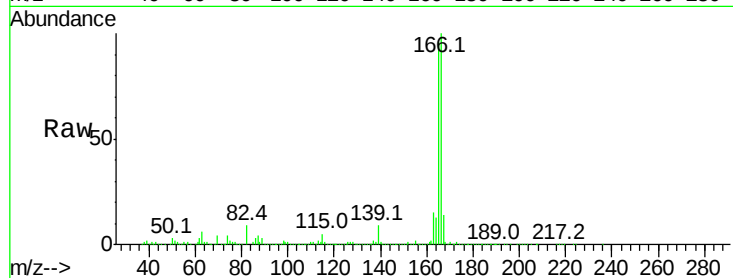
167 13.8 10.6 16.0

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#63

4,6-Dinitro-2-methylphenol

Concen: 16.778 ng/ul

RT: 15.47 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

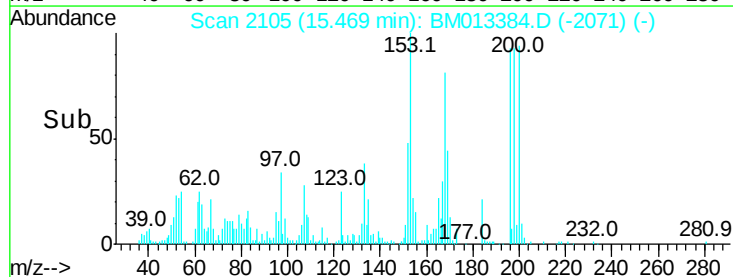
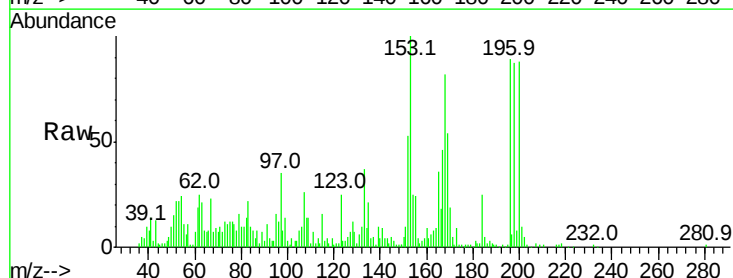
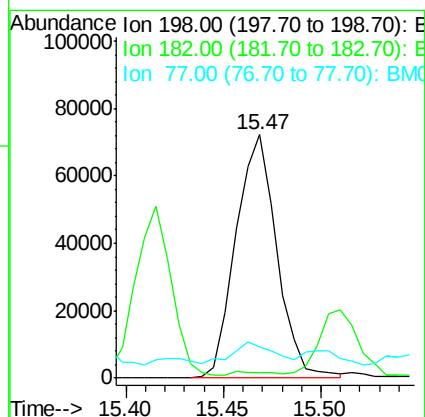
Tgt Ion:198 Resp: 105198

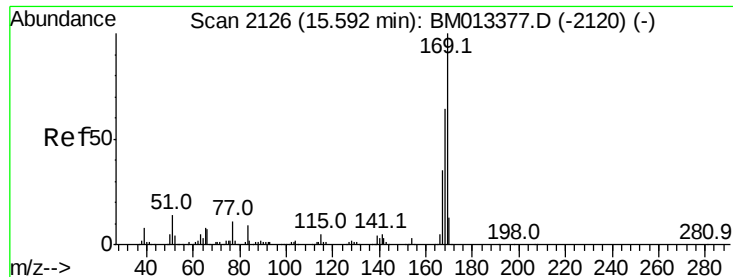
Ion Ratio Lower Upper

198 100

182 2.4 3.8 5.6#

77 13.0 25.2 37.8#





#64

N-Nitrosodiphenylamine

Concen: 4.408 ng/ul

RT: 15.59 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

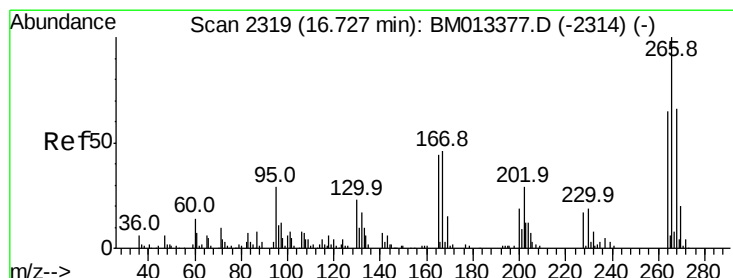
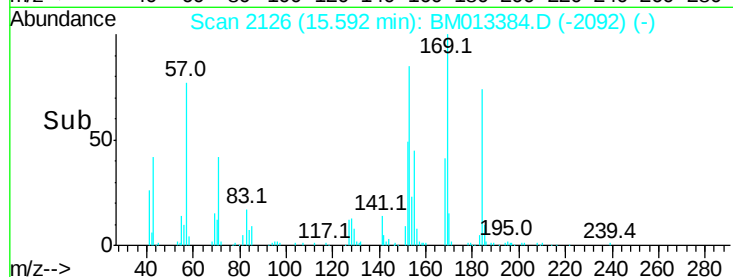
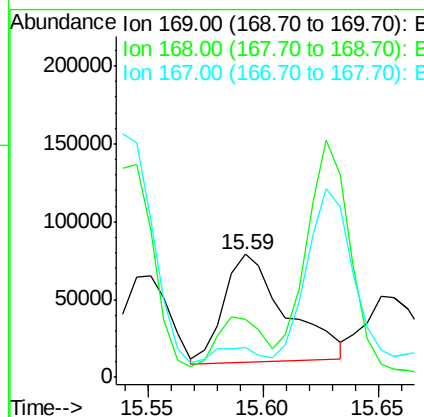
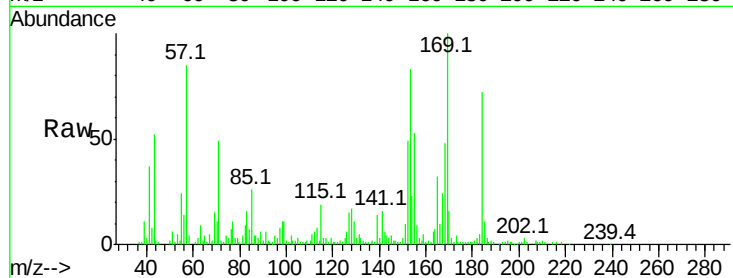
ClientSampleId :

F9A19ME

Tot Ion:	169	Resp:	129512
Ion Ratio	Lower	Upper	
169	100		
168	47.7	54.0	81.0#
167	24.2	29.1	43.7#

Manual Integrations
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#68

Pentachlorophenol

Concen: 1130.621 ng/ul

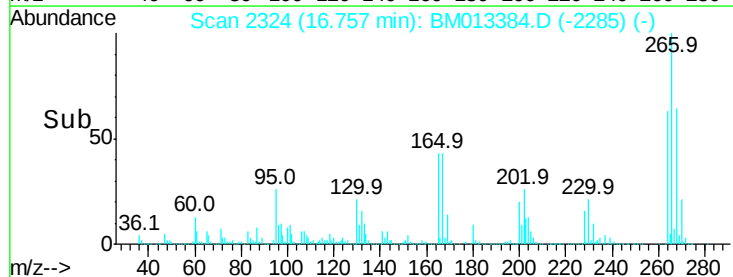
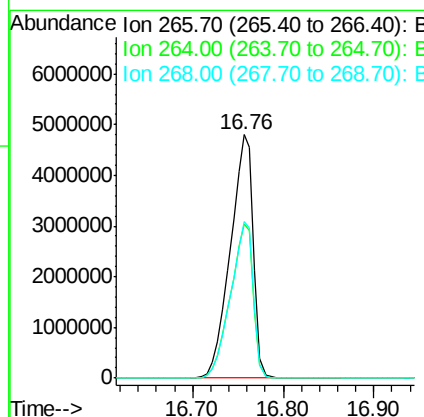
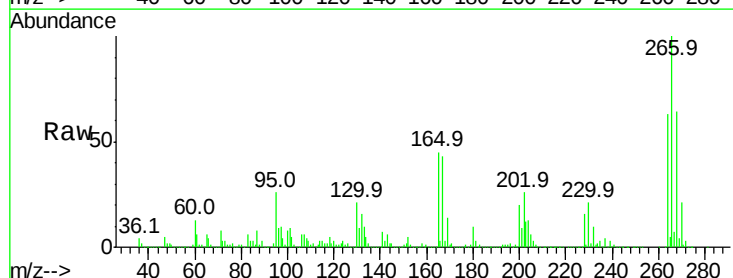
RT: 16.76 min Scan# 2324

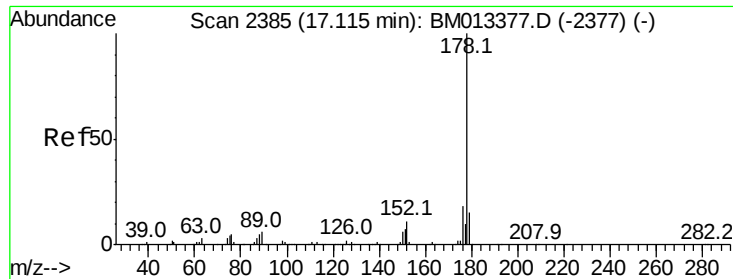
Delta R.T. 0.03 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:	266	Resp:	8454903
Ion Ratio	Lower	Upper	
266	100		
264	63.2	49.3	73.9
268	64.2	52.6	78.8





#69

Phenanthrene

Concen: 306.868 ng/ul m

RT: 17.13 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

ClientSampleId :

F9A19ME

Tot Ion:178 Resp:17387738

Ion Ratio Lower Upper

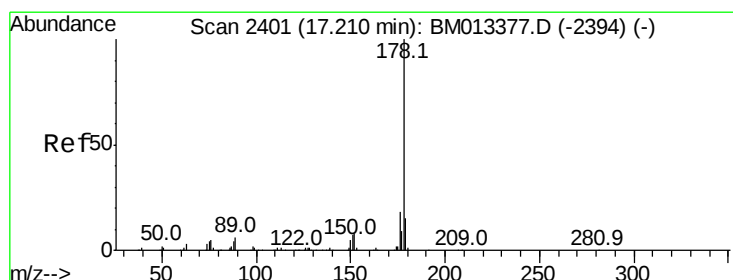
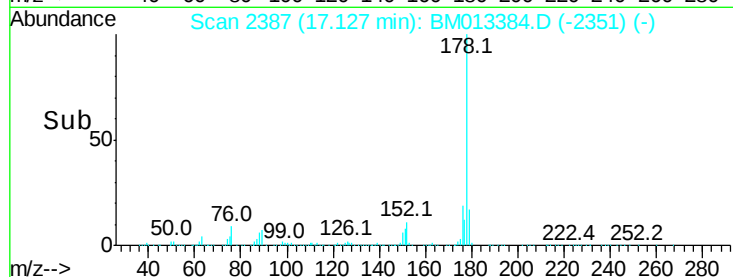
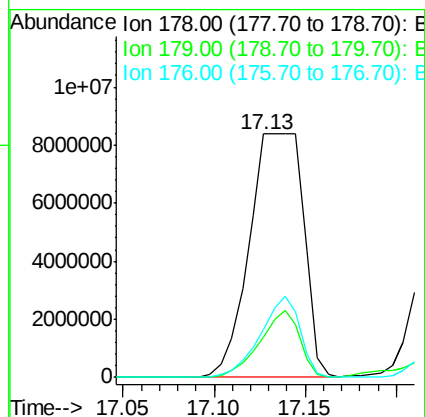
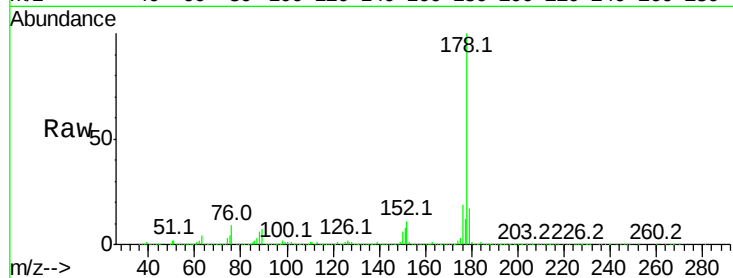
178 100

179 16.6 12.6 19.0

176 19.4 14.9 22.3

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#71

Anthracene

Concen: 198.765 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.02 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

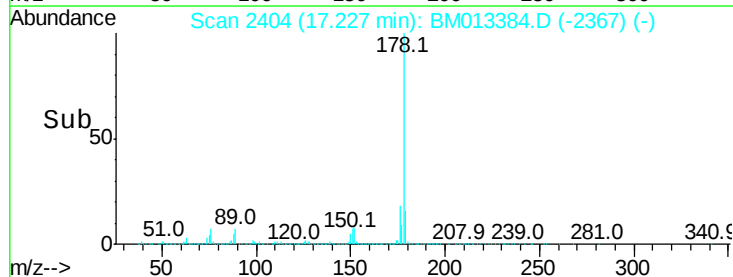
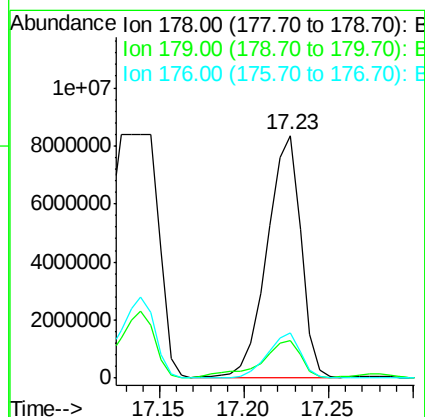
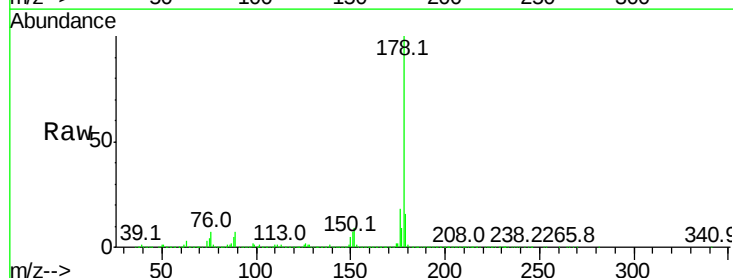
Tgt Ion:178 Resp:11512033

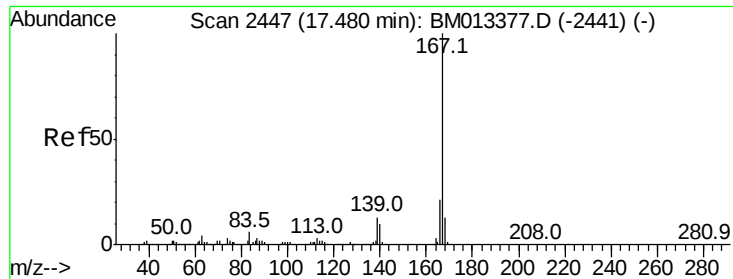
Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

176 18.4 14.6 21.8





#72

Carbazole

Concen: 40.239 ng/ul

RT: 17.49 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

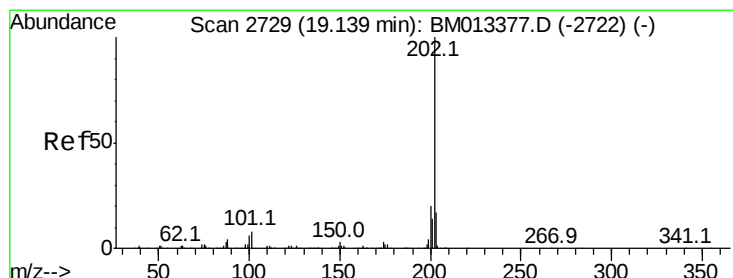
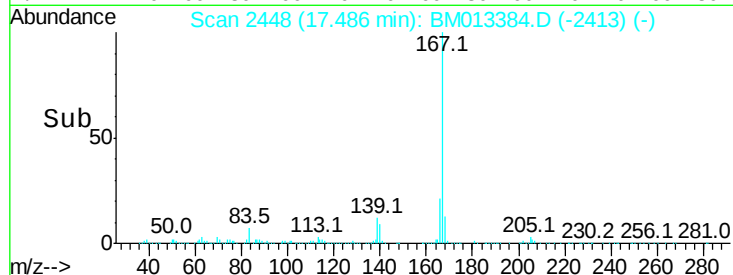
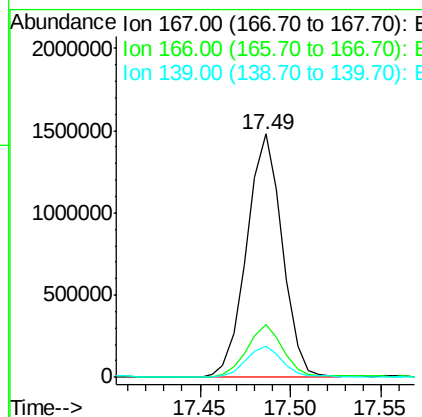
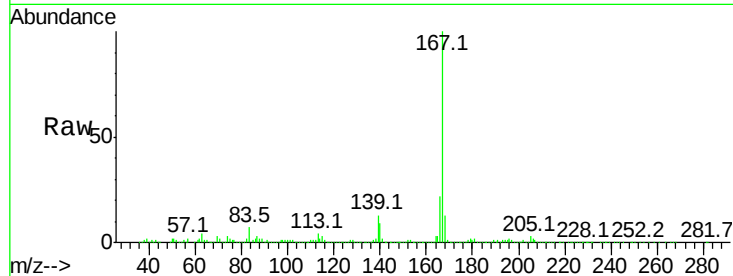
ClientSampleId :

F9A19ME

Tot Ion:	167	Resp:	2004604
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.7	10.0	15.0

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#74

Fluoranthene

Concen: 310.140 ng/ul m

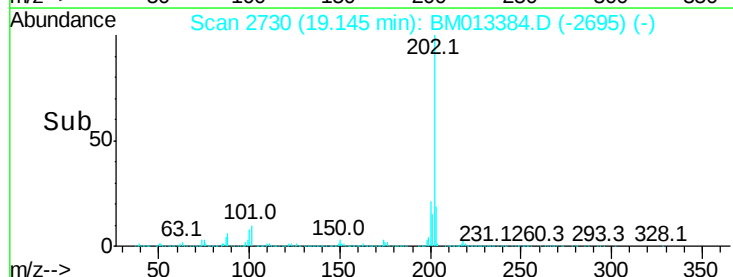
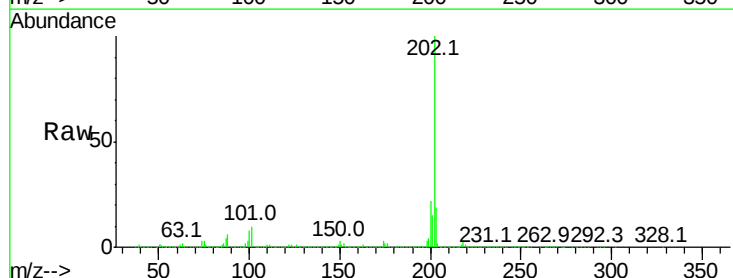
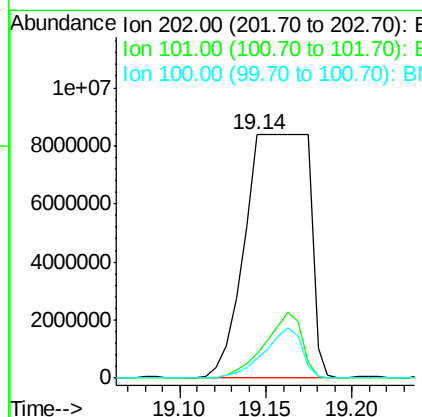
RT: 19.14 min Scan# 2730

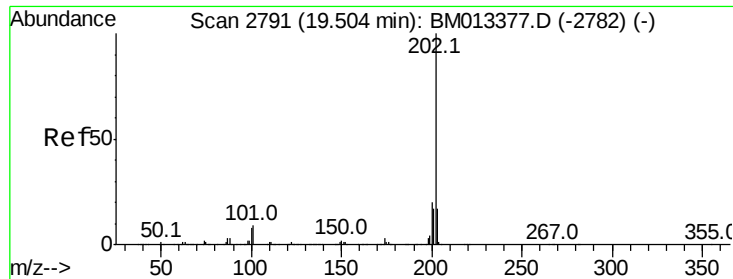
Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:	202	Resp:	21535468
Ion	Ratio	Lower	Upper
202	100		
101	10.3	4.6	7.0#
100	8.2	3.4	5.2#





#77

Pvrene

Concen: 231.735 ng/ul

RT: 19.52 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

ClientSampleId :

F9A19ME

Tot Ion:202 Resp:18557744

Ion Ratio Lower Upper

202 100

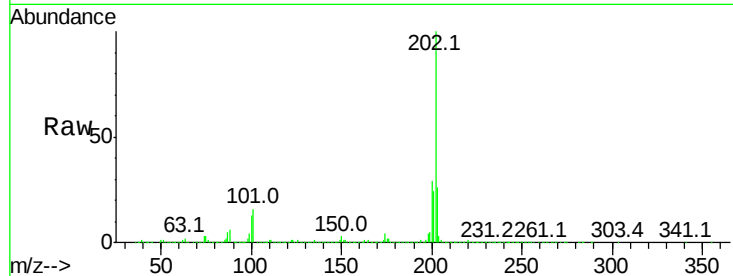
101 15.8 5.1 7.7#

100 13.1 4.9 7.3#

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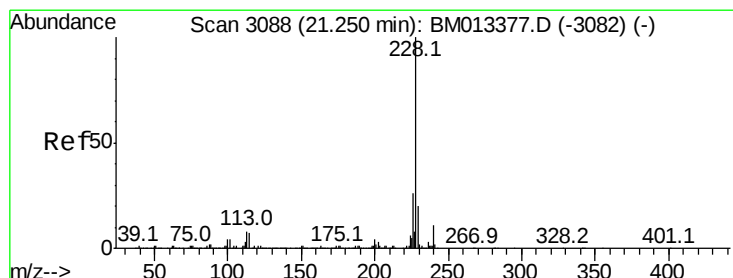
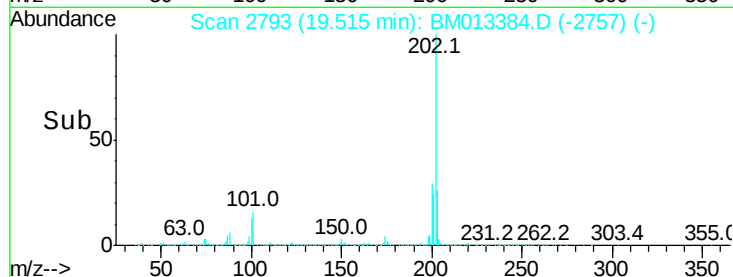
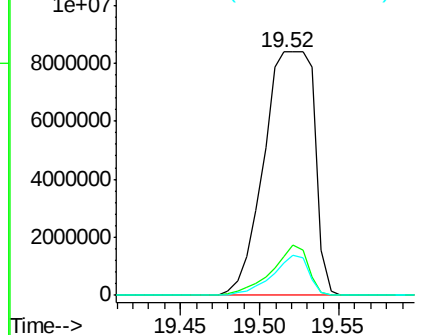
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 62.234 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:228 Resp: 5204873

Ion Ratio Lower Upper

228 100

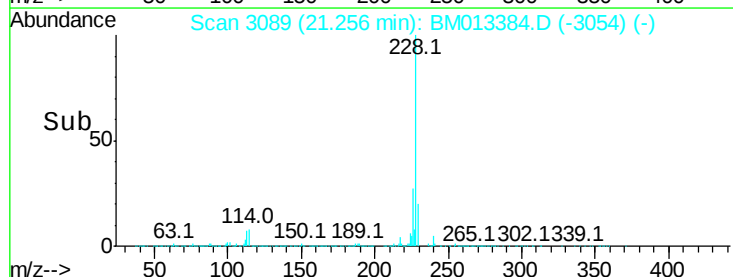
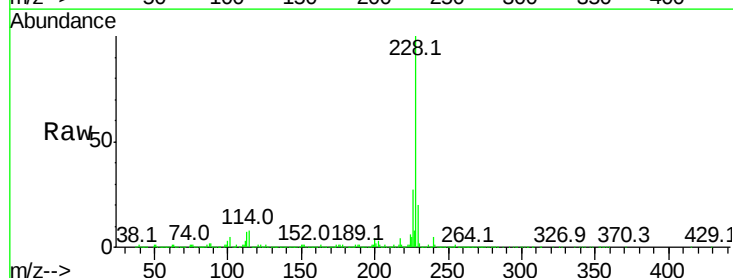
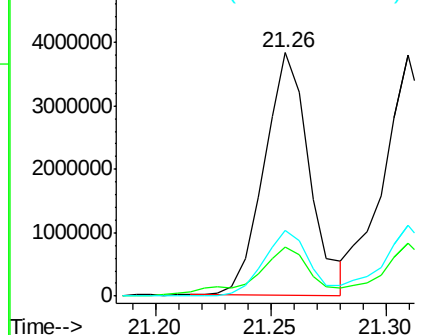
229 20.2 15.4 23.0

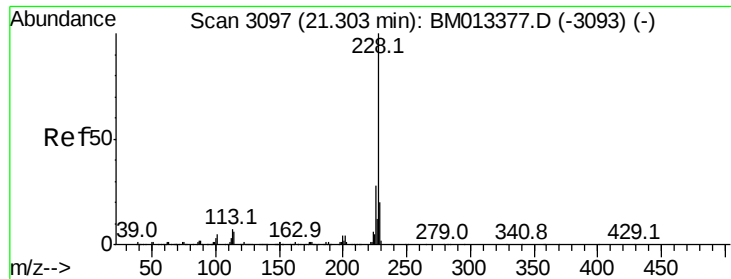
226 26.8 21.4 32.0

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 65.990 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

ClientSampled :

F9A19ME

Tot Ion:228 Resp: 5120239

Ion Ratio Lower Upper

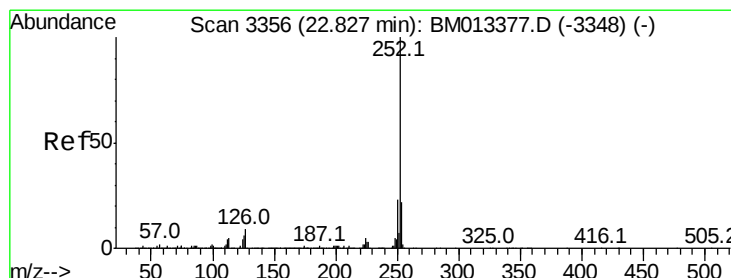
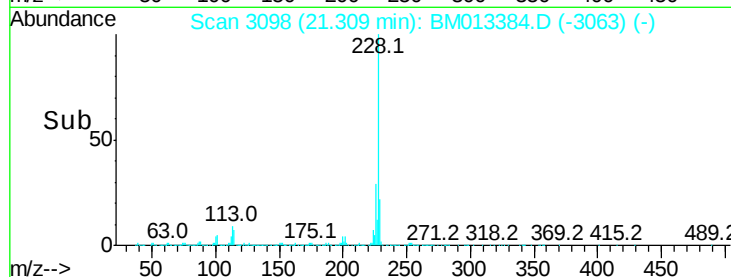
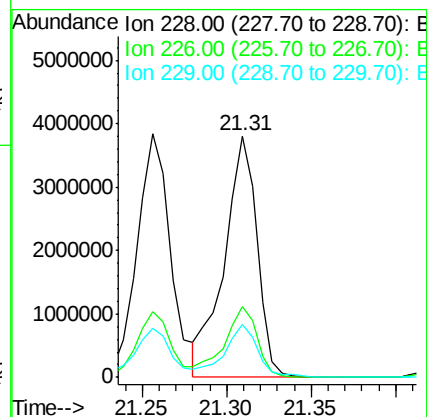
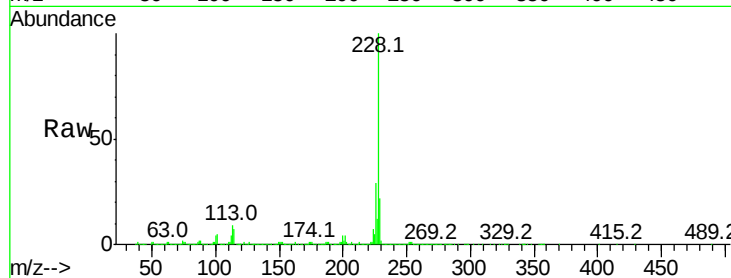
228 100

226 29.2 23.4 35.2

229 22.0 15.5 23.3

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#85

Benzo(b)fluoranthene

Concen: 42.474 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

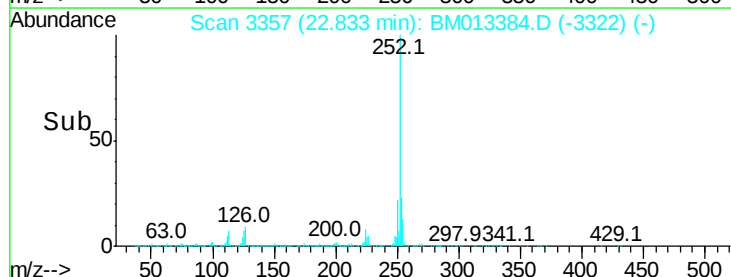
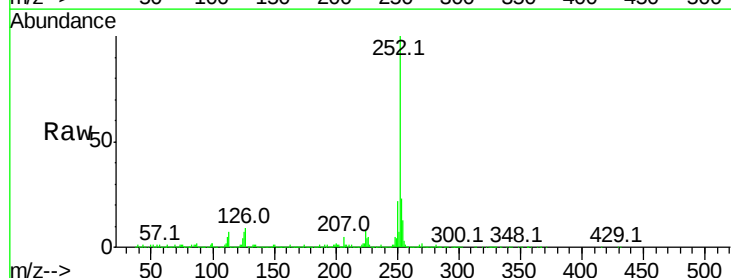
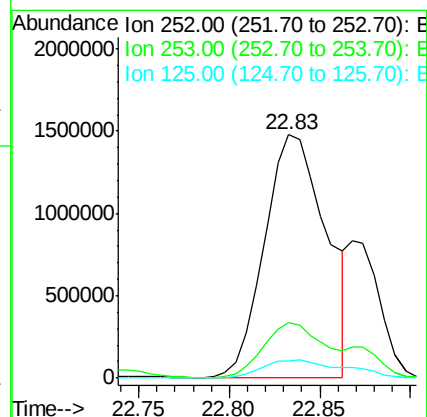
Tgt Ion:252 Resp: 3492054

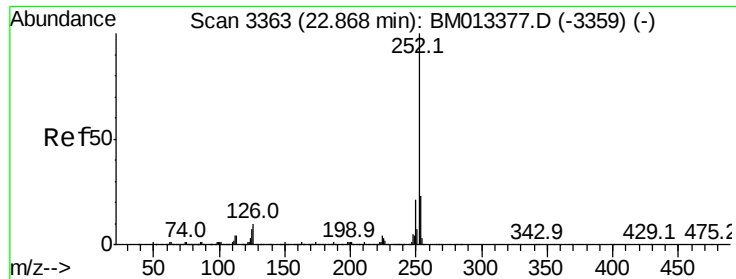
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 7.2 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 12.864 ng/ul m

RT: 22.87 min Scan# 3363

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

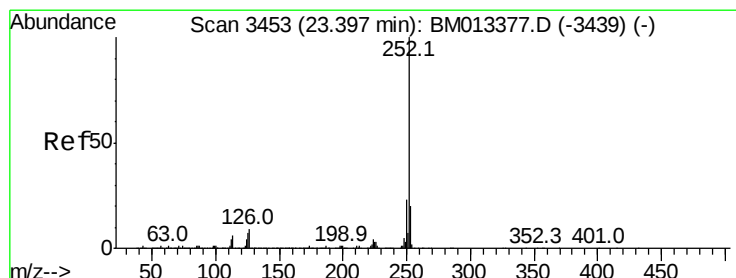
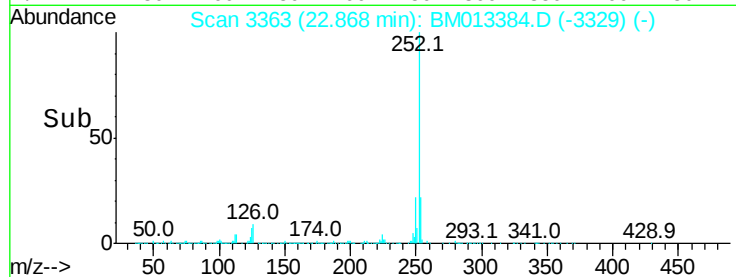
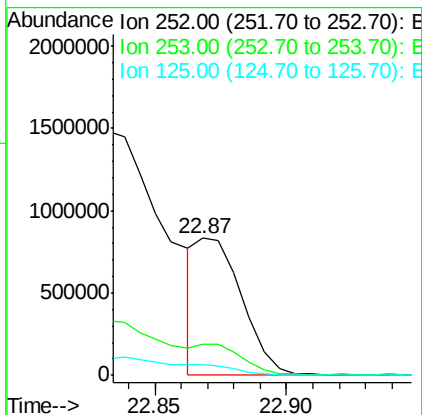
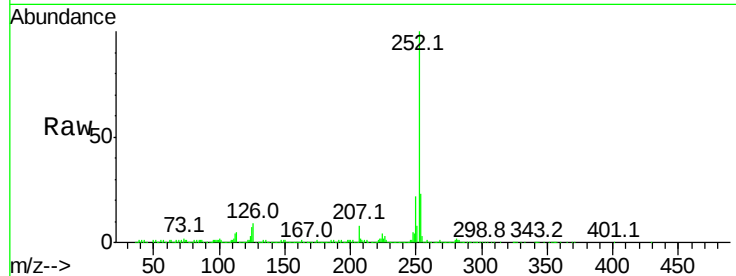
ClientSampleId :

F9A19ME

Tot Ion	Ratio	Resp	Lower	Upper
252	100	995328		
253	22.8	17.1	25.7	
125	7.4	3.4	5.2	

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#88

Benzo(a)pyrene

Concen: 16.762 ng/ul

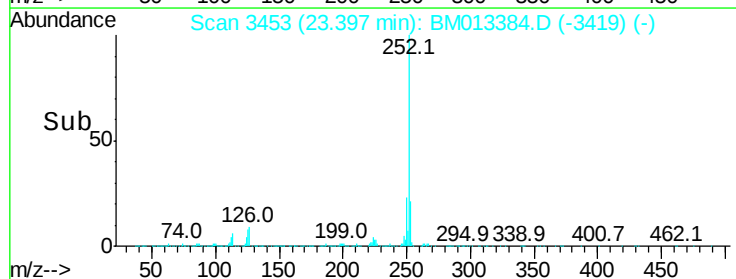
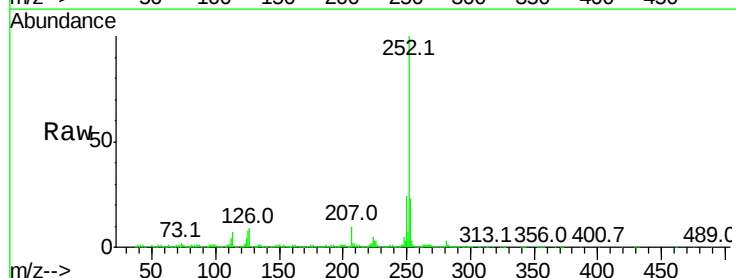
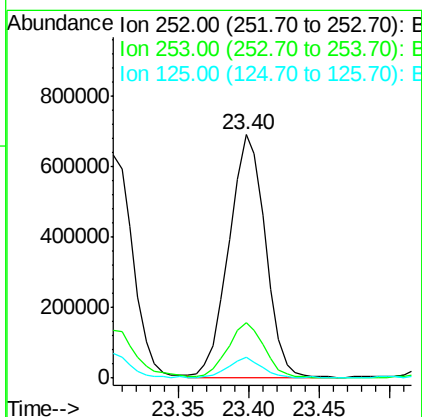
RT: 23.40 min Scan# 3453

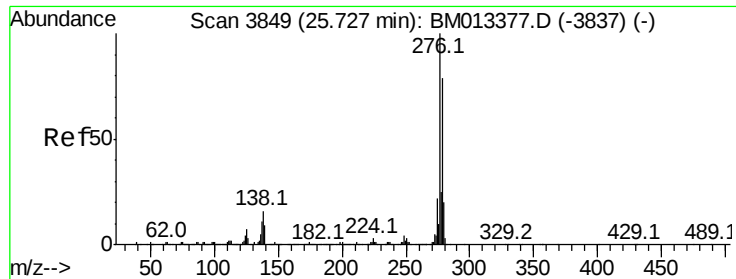
Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1237931		
253	22.6	18.2	27.2	
125	8.5	4.0	6.0	





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.097 ng/ul

RT: 25.73 min Scan# 3849

Delta R.T. 0.00 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Instrument :

BNA_M

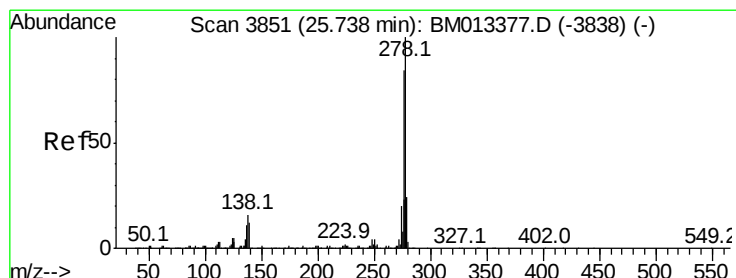
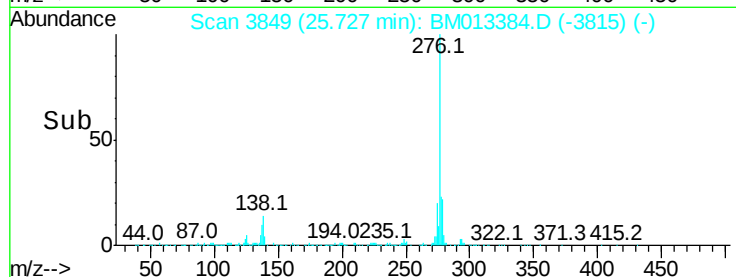
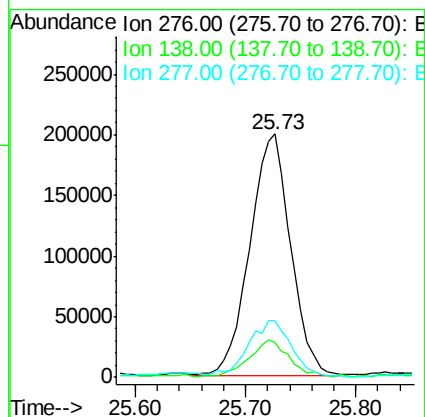
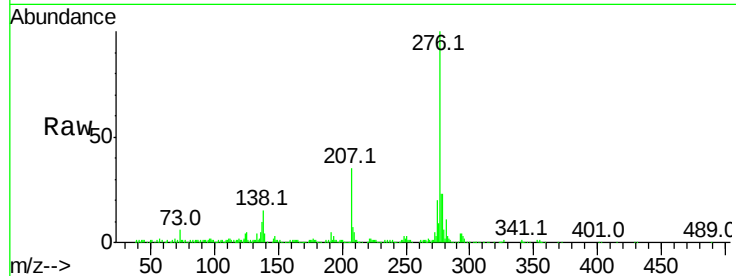
ClientSampled :

F9A19ME

Tot Ion:	276	Resp:	520096
Ion Ratio	Lower	Upper	
276	100		
138	14.6	9.3	13.9#
277	23.2	19.9	29.9

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.442 ng/ul m

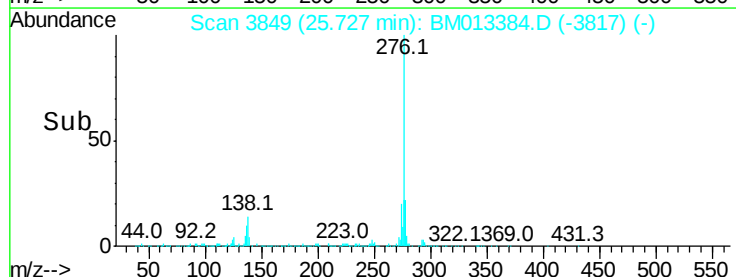
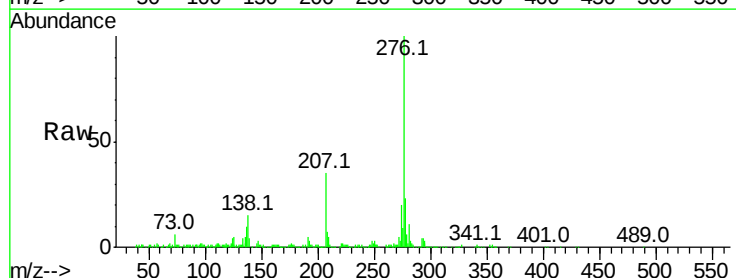
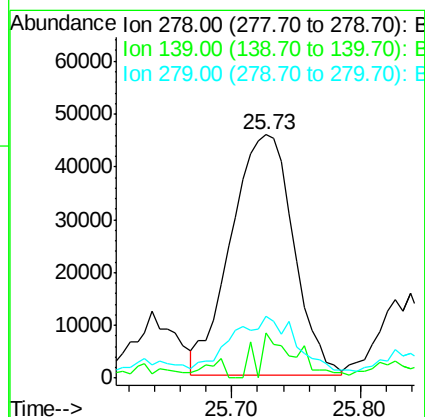
RT: 25.73 min Scan# 3849

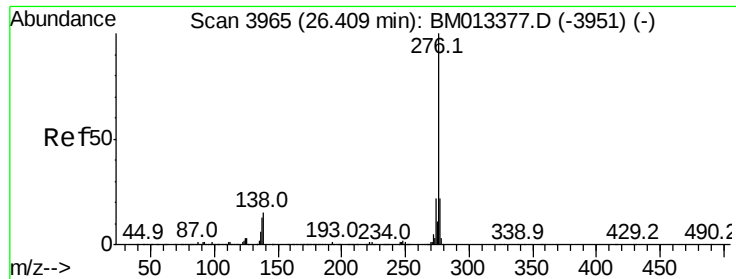
Delta R.T. -0.01 min

Lab File: BM013384.D

Acq: 13 Dec 2017 21:22

Tgt Ion:	278	Resp:	152384
Ion Ratio	Lower	Upper	
278	100		
139	18.7	5.8	8.8#
279	25.5	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 5.590 ng/ul
 RT: 26.40 min Scan# 3964
 Delta R.T. -0.01 min
 Lab File: BM013384.D
 Acq: 13 Dec 2017 21:22

Instrument :
 BNA_M
 ClientSampleId :
 F9A19ME

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	14.0	8.5	12.7#
277	25.7	18.6	28.0

Manual Integrations
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 12/15/2017 7:34:20 PM

