

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013790.D
 Acq On : 25 Jan 2018 04:23
 Operator : SJ/JU
 Sample : J1222-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 05:49:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	163658	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	637899	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	420011	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	738833	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	752520	20.00	ng/ul	0.00
83) Perylene-d12	23.39	264	773752	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	10262	2.48	ng/uL	0.00
5) Phenol-d5	6.78	99	220503	17.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	127118	16.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	184208	17.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	165281	17.11	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	94320	19.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	100061	19.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	189779	18.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	157430	17.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	555388	16.04	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	677627	15.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	74834	13.30	ng/ul	0.00
57) Fluorene-d10	15.24	176	462369	15.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	31932	7.18	ng/ul	0.00
70) Anthracene-d10	17.10	188	685849	19.06	ng/ul	0.00
76) Pyrene-d10	19.40	212	761226	21.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	728017	20.47	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.81	94	52885	4.197	ng/ul#	81
21) Isophorone	9.32	82	25834	1.250	ng/ul#	92
28) Naphthalene	10.42	128	882208	27.799	ng/ul	99
32) Caprolactam	11.39	113	15325	5.657	ng/ul	77
34) 2-Methylnaphthalene	12.04	142	783454	33.112	ng/ul	98
40) 1,1'-Biphenyl	13.07	154	186849	5.344	ng/ul	97
44) Dimethylphthalate	13.71	163	75399	2.215	ng/ul	98
49) Acenaphthene	14.31	153	520442	18.606	ng/ul	100
53) Dibenzofuran	14.65	168	566110	13.453	ng/ul	95
55) 2,3,4,6-Tetrachlorophenol	14.88	232	206123	23.378	ng/ul#	86
58) Fluorene	15.30	166	531353	15.415	ng/ul	95
64) N-Nitrosodiphenylamine	15.52	169	60195	2.770	ng/ul#	52
68) Pentachlorophenol	16.67	266	3437358	688.649	ng/ul	97
69) Phenanthrene	17.04	178	2702446	65.803	ng/ul	100
71) Anthracene	17.13	178	450048	10.624	ng/ul	97
72) Carbazole	17.41	167	255071	7.295	ng/ul	99
74) Fluoranthene	19.07	202	1496082	30.518	ng/ul#	95
77) Pyrene	19.43	202	1032258	22.564	ng/ul#	95
80) Benzo(a)anthracene	21.19	228	219148	4.820	ng/ul	96
82) Chrysene	21.19	228	219148	5.254	ng/ul	94
85) Benzo(b)fluoranthene	22.74	252	120724	2.541	ng/ul#	89
86) Benzo(k)fluoranthene	22.74	252	120724	2.628	ng/ul#	87
88) Benzo(a)pyrene	23.30	252	66831	1.489	ng/ul#	76

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 25 03:36:03 2018
Response via : Initial Calibration

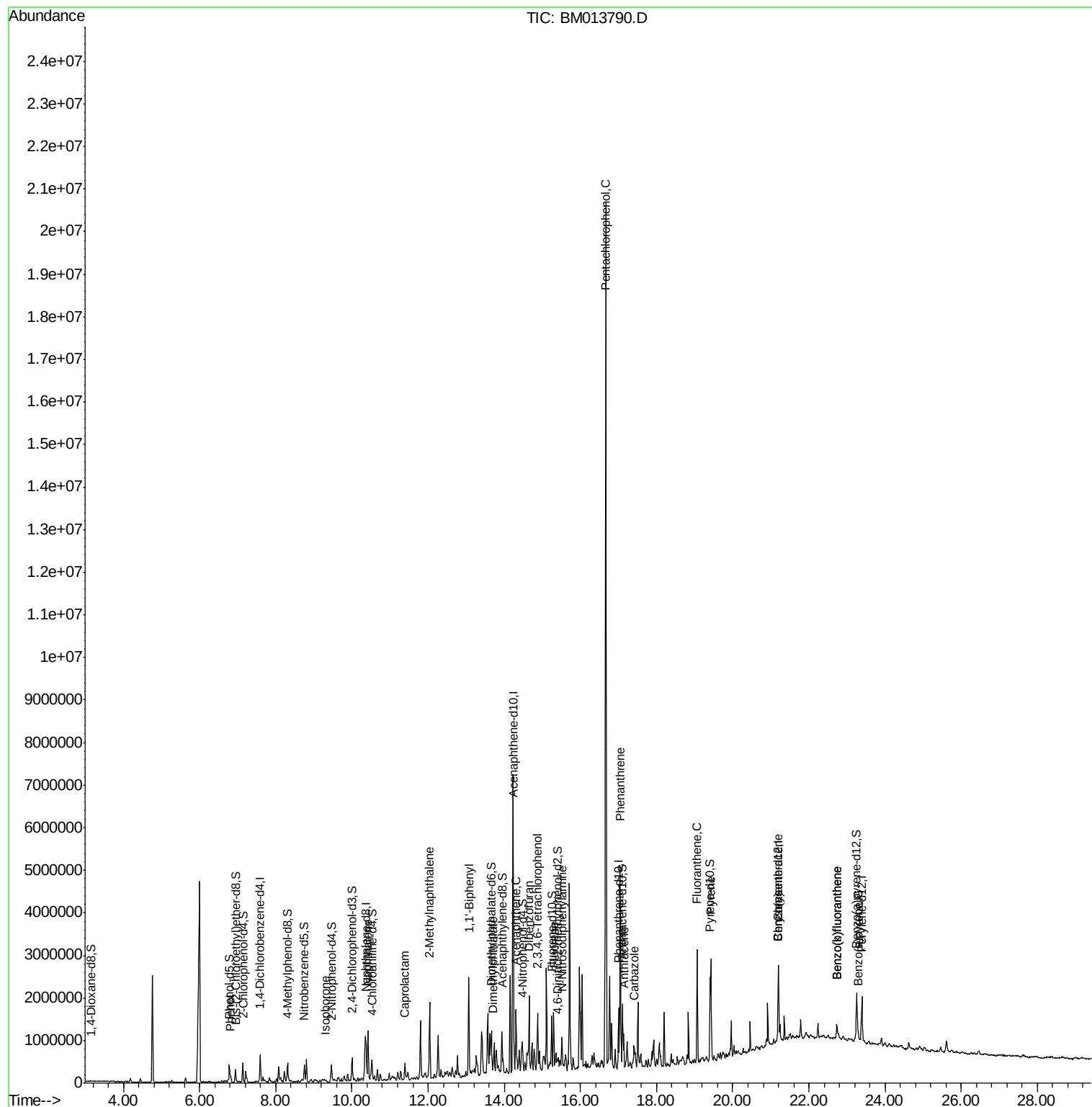
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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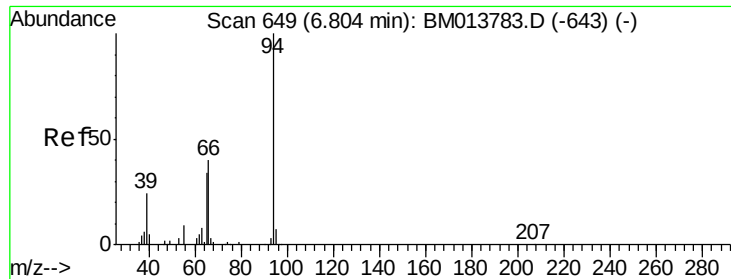
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.197 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. 0.01 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

ClientSampleId :

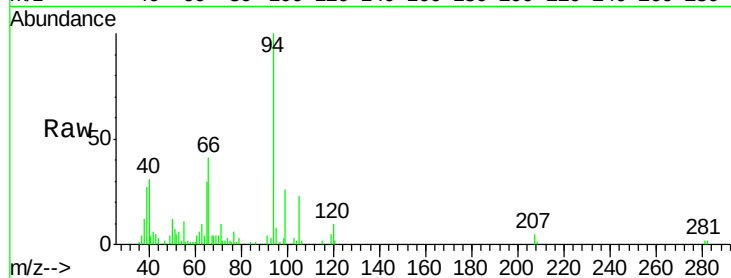
Tot Ion: 94 Resp: 52885

Ion Ratio Lower Upper

94 100

65 30.0 28.2 42.4

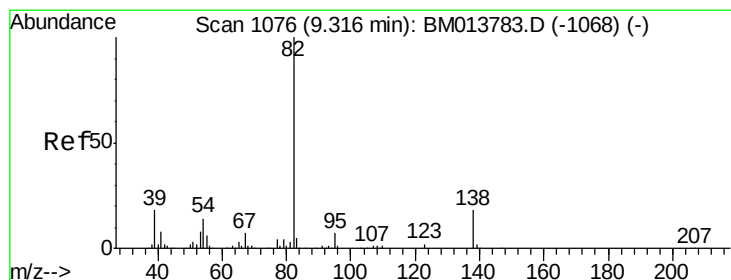
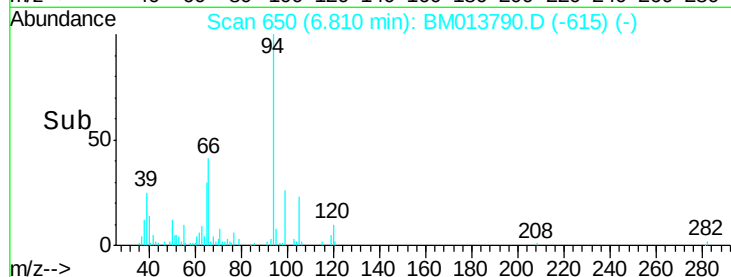
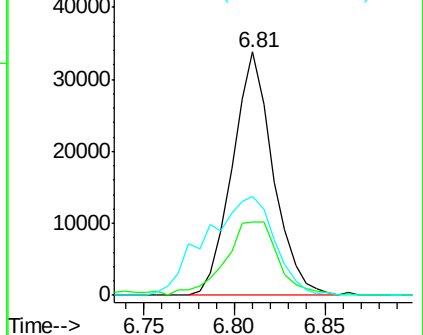
66 40.5 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013783.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM013783.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM013783.D (-643) (-)



#21

Isophorone

Concen: 1.250 ng/ul

RT: 9.32 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

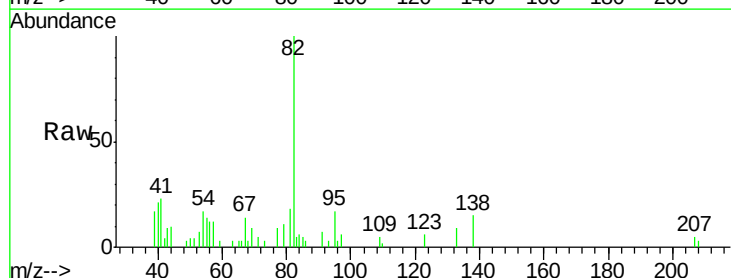
Tgt Ion: 82 Resp: 25834

Ion Ratio Lower Upper

82 100

95 16.5 7.8 11.8#

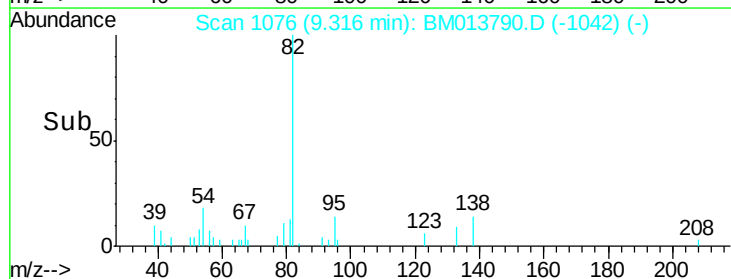
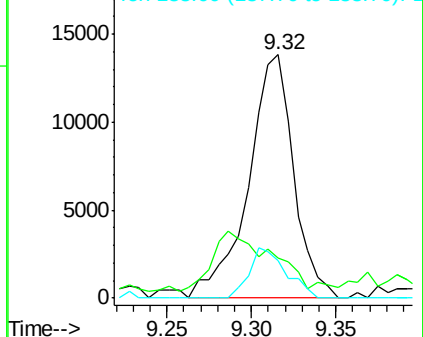
138 15.5 11.9 17.9

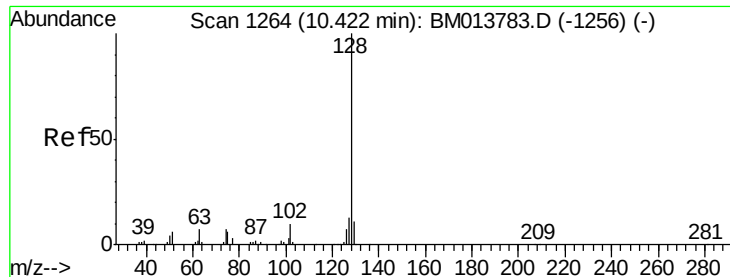


Abundance Ion 82.00 (81.70 to 82.70): BM013783.D (-1068) (-)

Ion 95.00 (94.70 to 95.70): BM013783.D (-1068) (-)

Ion 138.00 (137.70 to 138.70): BM013783.D (-1068) (-)

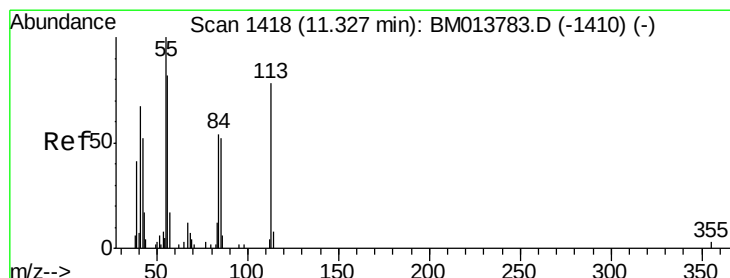
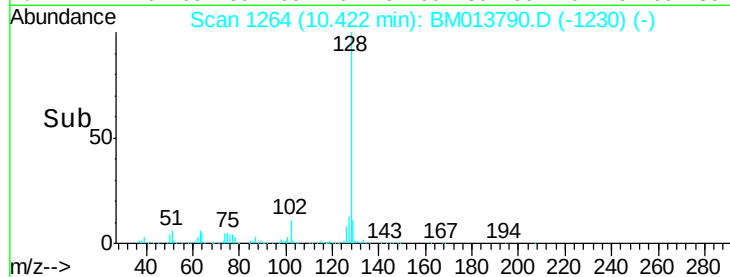
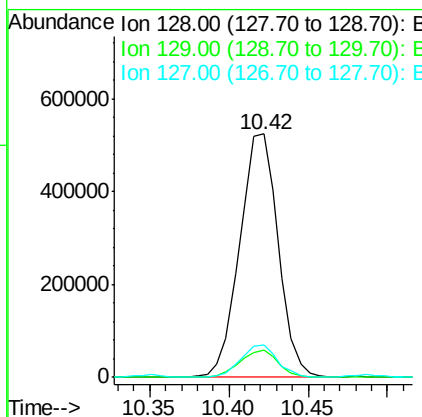
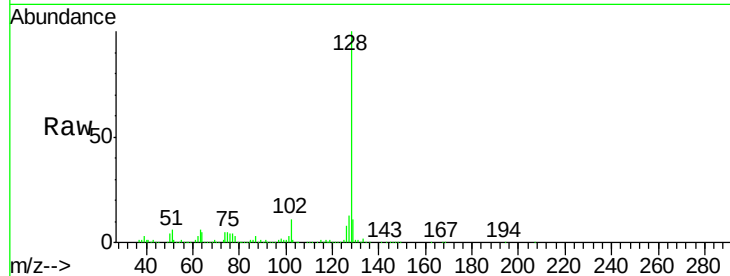




#28
Naphthalene
Concen: 27.799 ng/ul
RT: 10.42 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BM013790.D
Acq: 25 Jan 2018 04:23

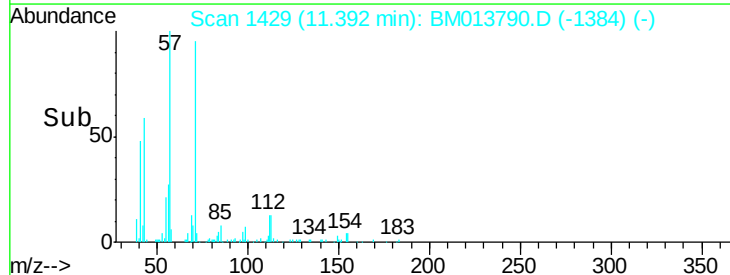
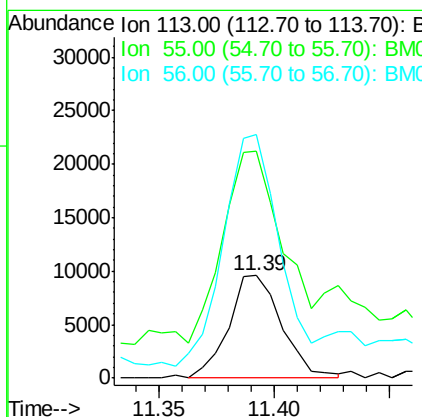
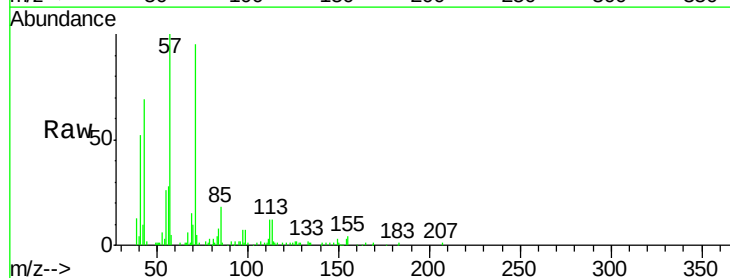
Instrument :
BNA_M
ClientSampleId :

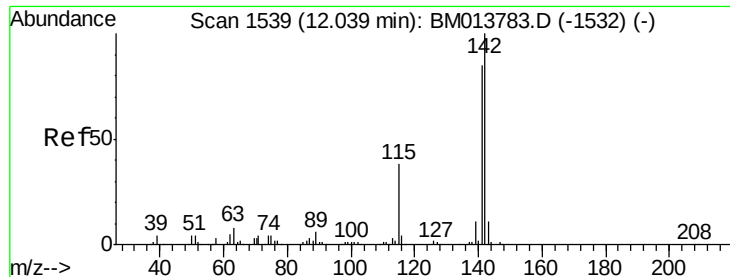
Tot Ion:128 Resp: 882208
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.1 10.6 16.0



#32
Caprolactam
Concen: 5.657 ng/ul
RT: 11.39 min Scan# 1429
Delta R.T. 0.06 min
Lab File: BM013790.D
Acq: 25 Jan 2018 04:23

Tgt Ion:113 Resp: 15325
Ion Ratio Lower Upper
113 100
55 221.9 208.0 312.0
56 238.0 160.0 240.0

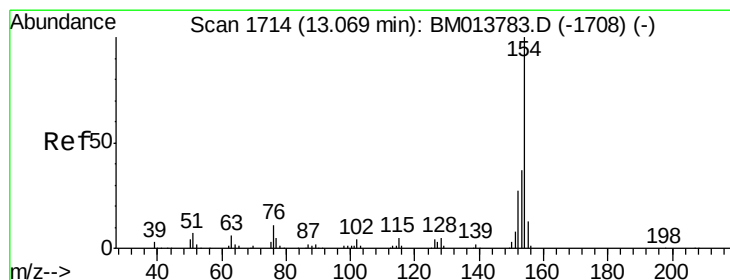
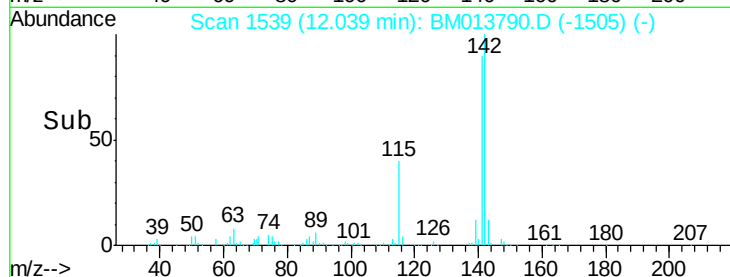
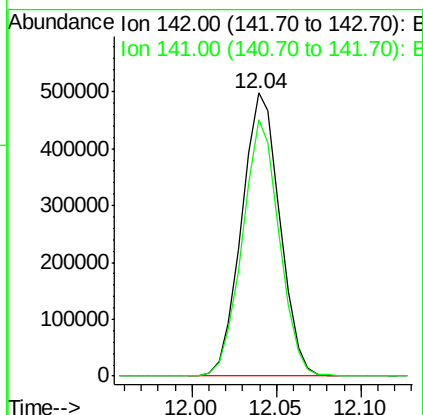
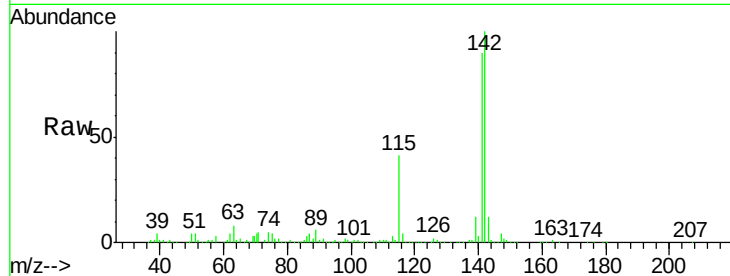




#34
 2-Methylnaphthalene
 Concen: 33.112 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: BM013790.D
 Acq: 25 Jan 2018 04:23

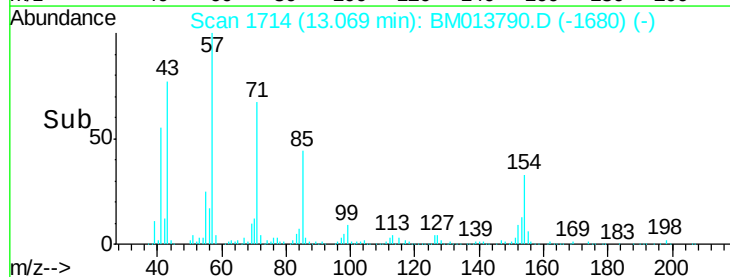
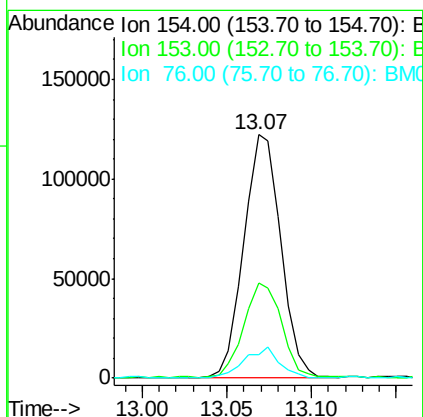
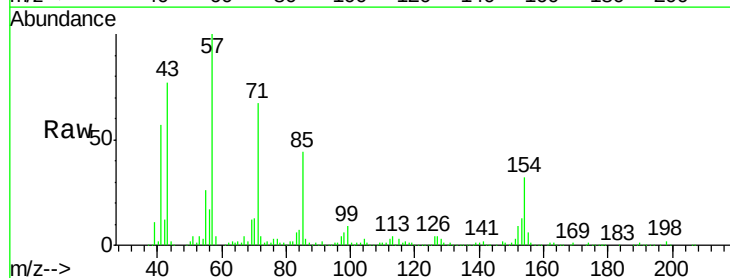
Instrument :
 BNA_M
 ClientSampled :

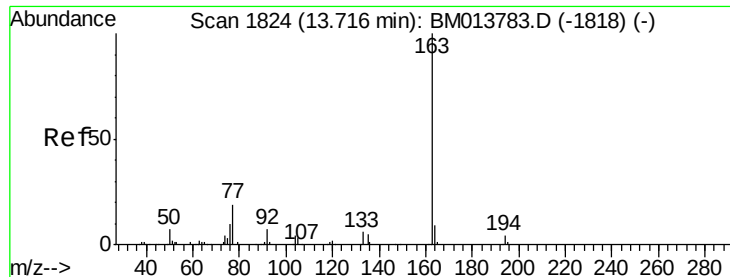
Tot Ion:142 Resp: 783454
 Ion Ratio Lower Upper
 142 100
 141 90.5 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 5.344 ng/ul
 RT: 13.07 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BM013790.D
 Acq: 25 Jan 2018 04:23

Tgt Ion:154 Resp: 186849
 Ion Ratio Lower Upper
 154 100
 153 38.9 32.6 48.8
 76 9.9 8.5 12.7

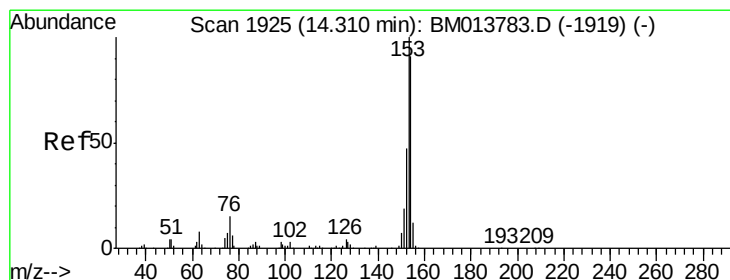
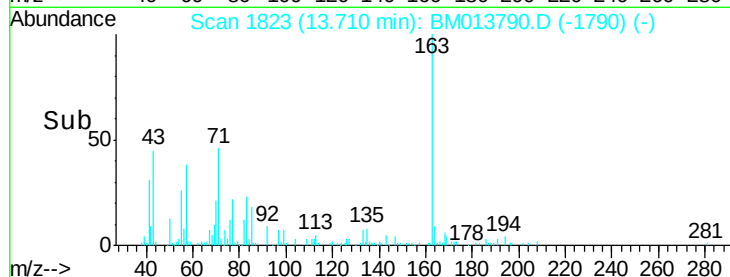
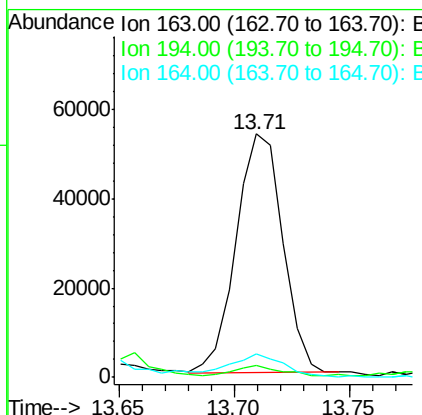
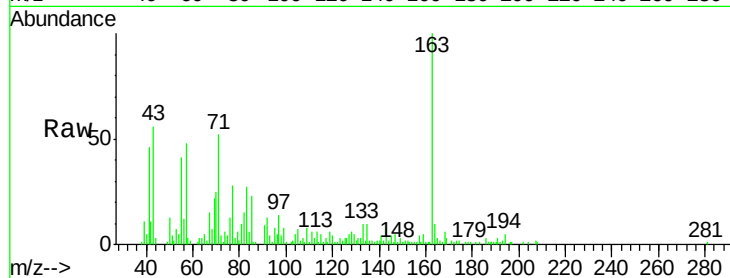




#44
Dimethylphthalate
Concen: 2.215 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM013790.D
Acq: 25 Jan 2018 04:23

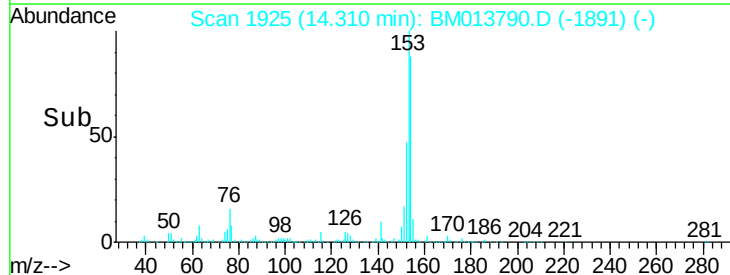
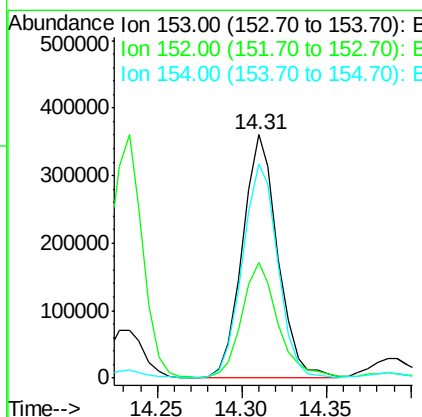
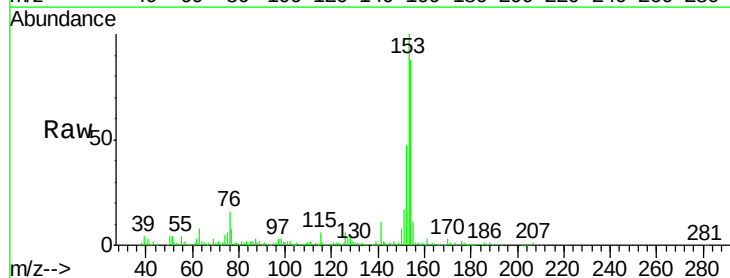
Instrument :
BNA_M
ClientSampleId :

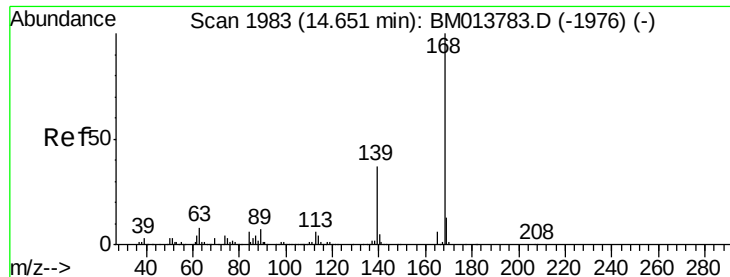
Tot Ion:163 Resp: 75399
Ion Ratio Lower Upper
163 100
194 5.1 3.5 5.3
164 9.7 8.2 12.4



#49
Acenaphthene
Concen: 18.606 ng/ul
RT: 14.31 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM013790.D
Acq: 25 Jan 2018 04:23

Tgt Ion:153 Resp: 520442
Ion Ratio Lower Upper
153 100
152 47.4 37.6 56.4
154 87.9 70.4 105.6





#53

Dibenzofuran

Concen: 13.453 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

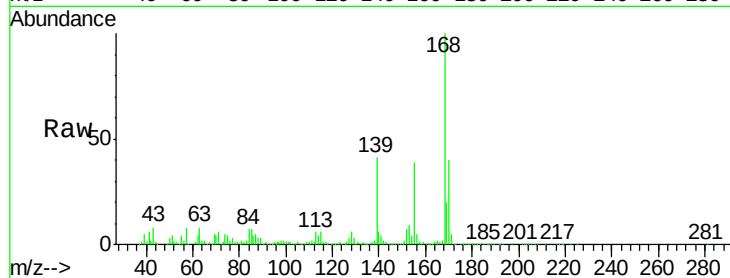
ClientSampleId :

Tot Ion:168 Resp: 566110

Ion Ratio Lower Upper

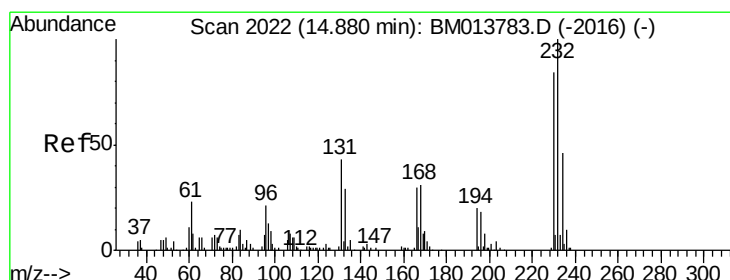
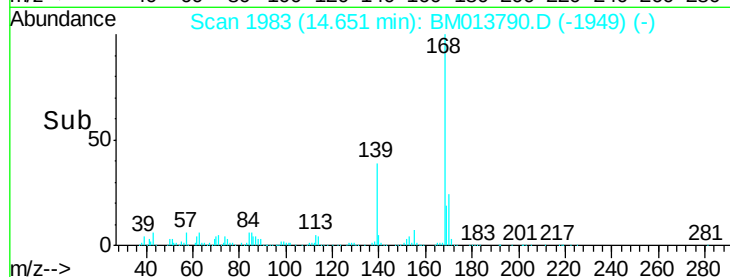
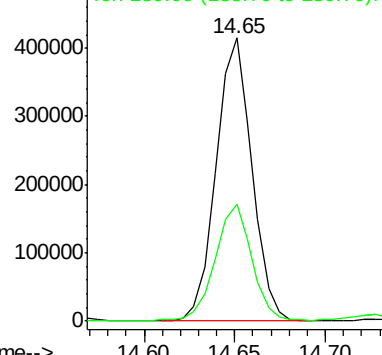
168 100

139 41.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 23.378 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Tgt Ion:232 Resp: 206123

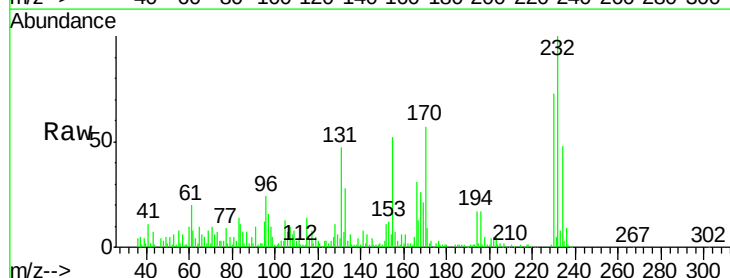
Ion Ratio Lower Upper

232 100

131 47.4 29.0 43.4#

130 3.7 2.0 3.0#

166 31.4 21.4 32.2

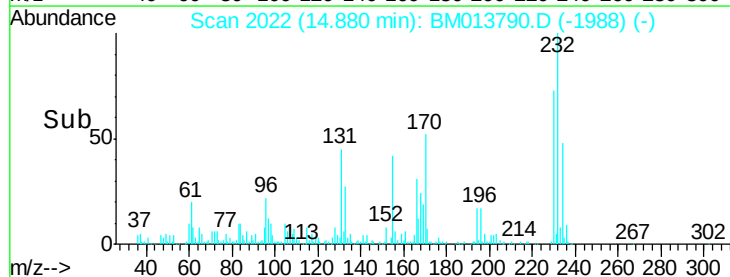
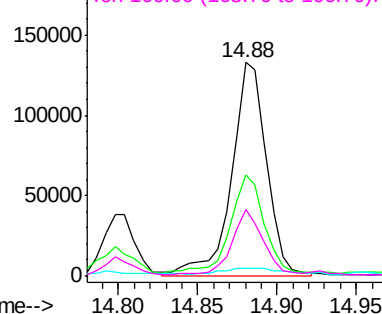


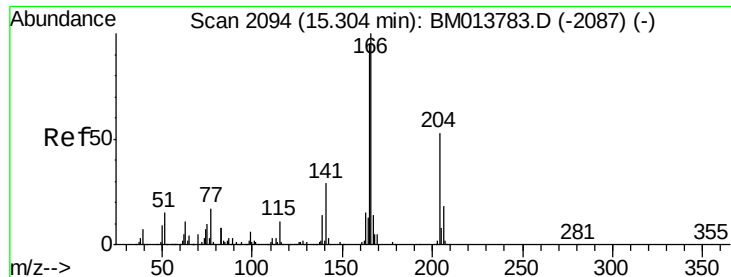
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#58

Fluorene

Concen: 15.415 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

ClientSampleId :

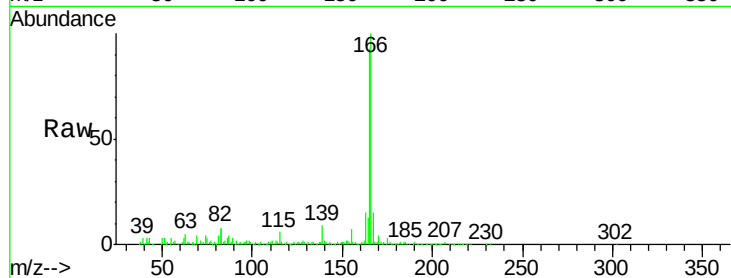
Tot Ion:166 Resp: 531353

Ion Ratio Lower Upper

166 100

165 92.9 77.9 116.9

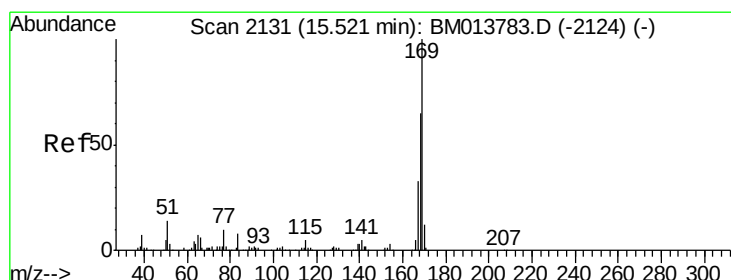
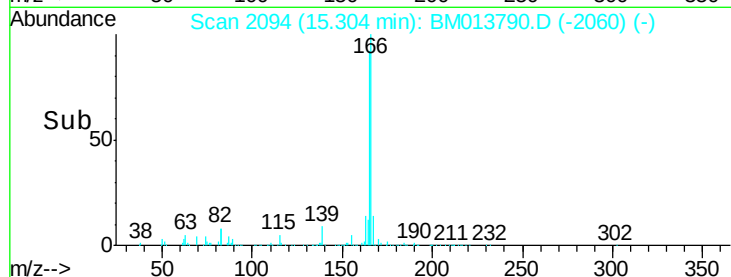
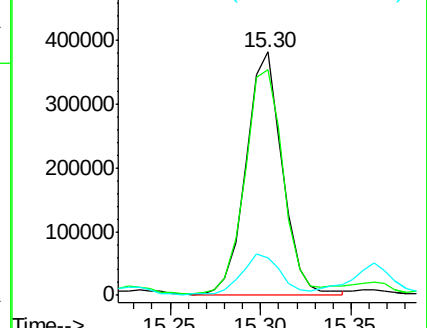
167 15.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

N-Nitrosodiphenylamine

Concen: 2.770 ng/ul

RT: 15.52 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

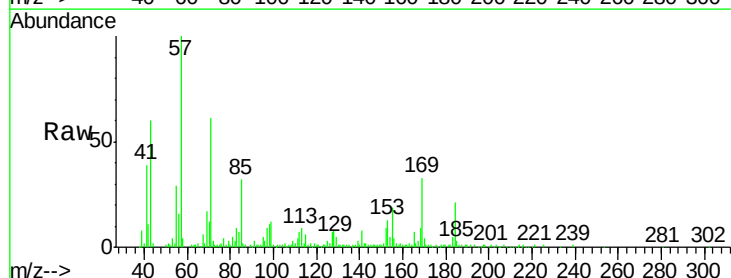
Tgt Ion:169 Resp: 60195

Ion Ratio Lower Upper

169 100

168 26.8 54.0 81.0#

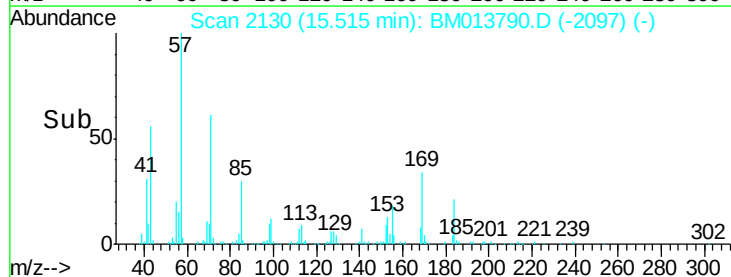
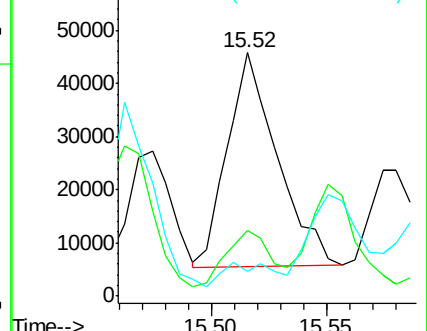
167 10.2 29.1 43.7#

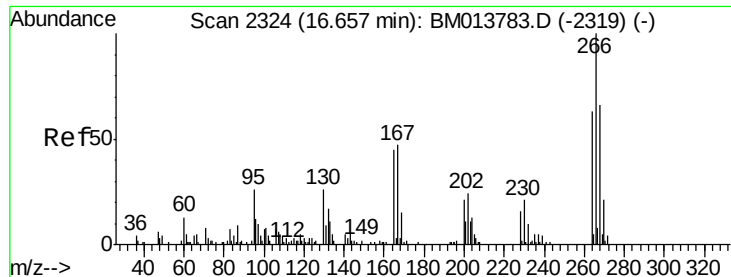


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

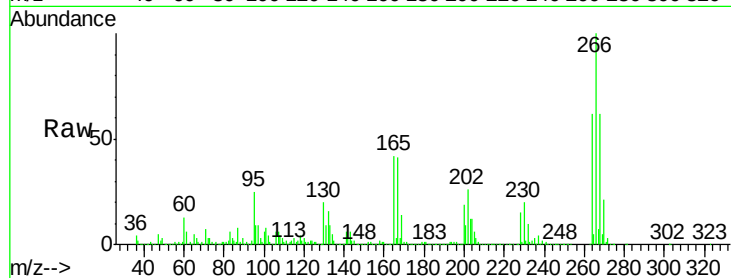




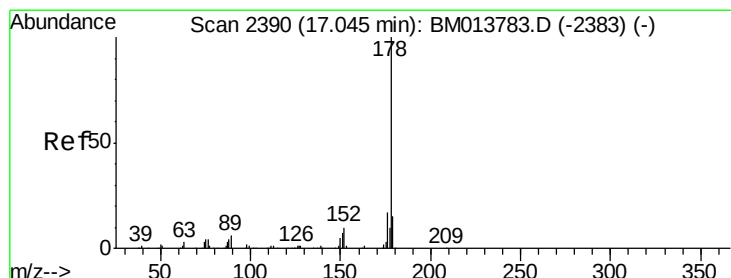
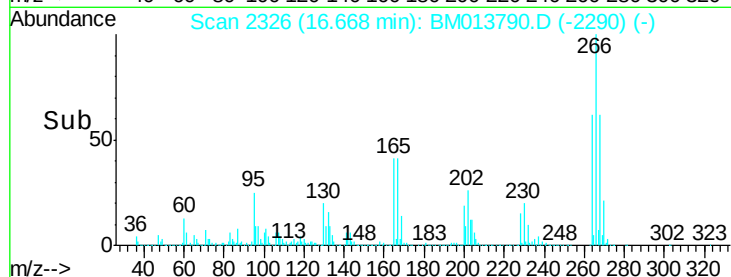
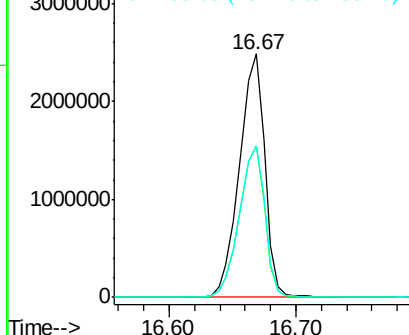
#68
 Pentachlorophenol
 Concen: 688.649 ng/ul
 RT: 16.67 min Scan# 2326
 Delta R.T. 0.01 min
 Lab File: BM013790.D
 Acq: 25 Jan 2018 04:23

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:266 Resp: 3437358
 Ion Ratio Lower Upper
 266 100
 264 62.3 49.3 73.9
 268 62.4 52.6 78.8

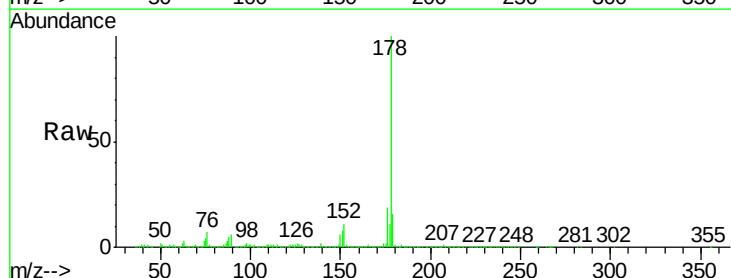


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

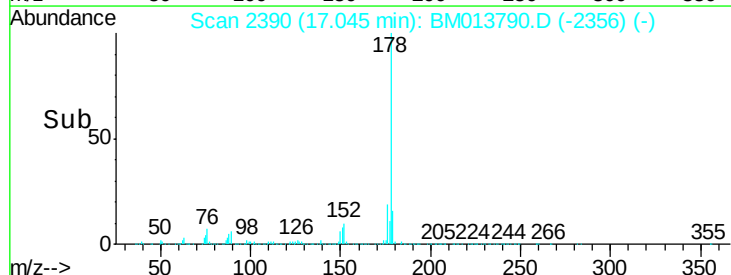
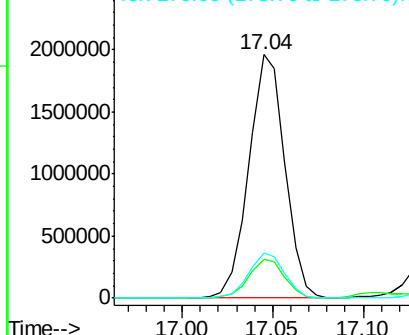


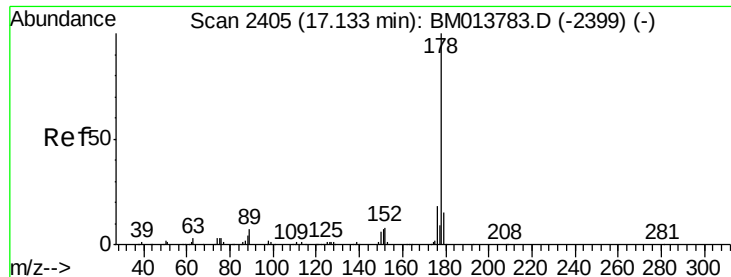
#69
 Phenanthrene
 Concen: 65.803 ng/ul
 RT: 17.04 min Scan# 2390
 Delta R.T. 0.00 min
 Lab File: BM013790.D
 Acq: 25 Jan 2018 04:23

Tgt Ion:178 Resp: 2702446
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.6 19.0
 176 18.6 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 10.624 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

ClientSampleId :

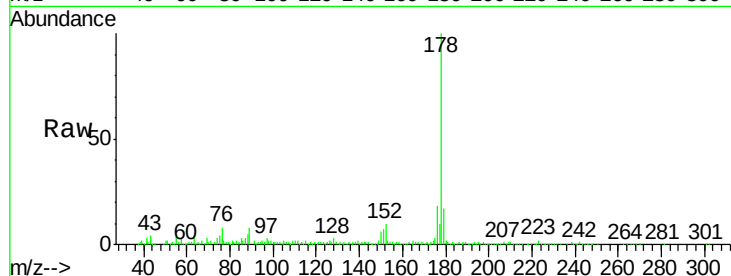
Tot Ion:178 Resp: 450048

Ion Ratio Lower Upper

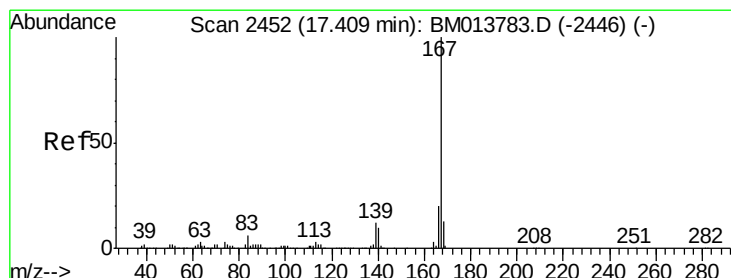
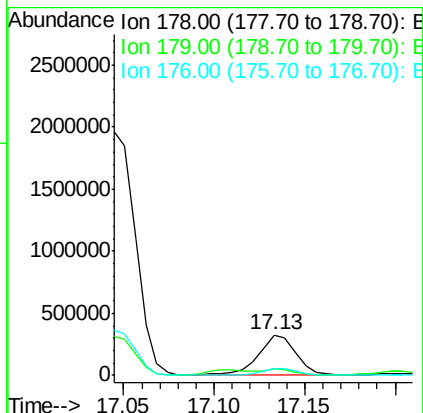
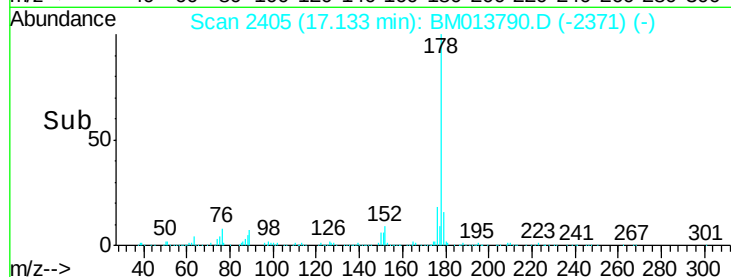
178 100

179 16.7 11.7 17.5

176 18.0 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 7.295 ng/ul

RT: 17.41 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

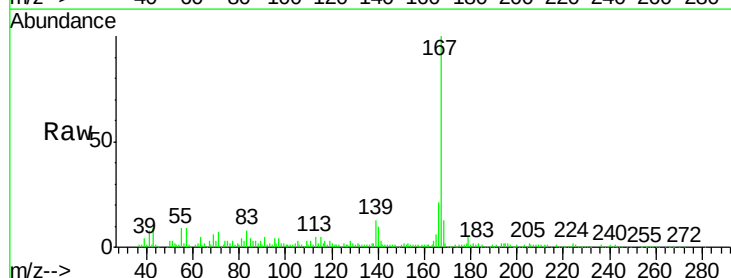
Tgt Ion:167 Resp: 255071

Ion Ratio Lower Upper

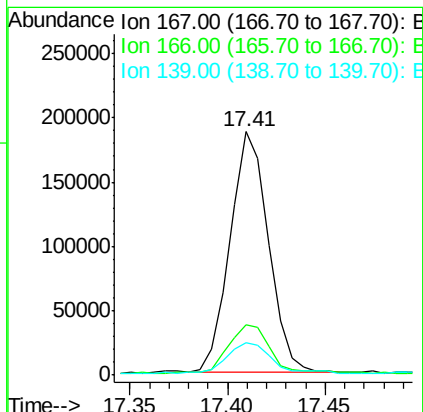
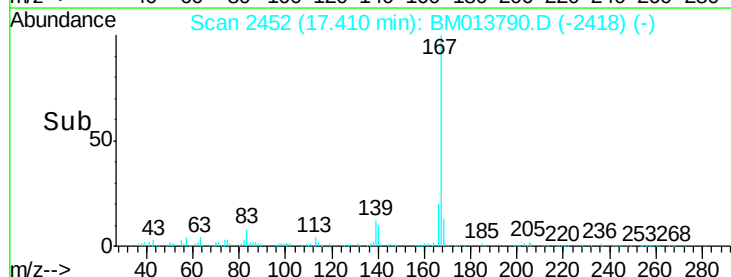
167 100

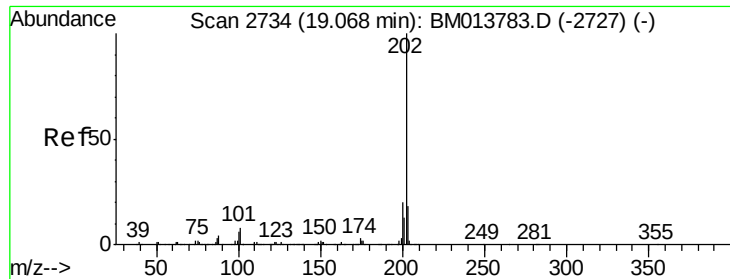
166 20.8 17.1 25.7

139 13.3 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E

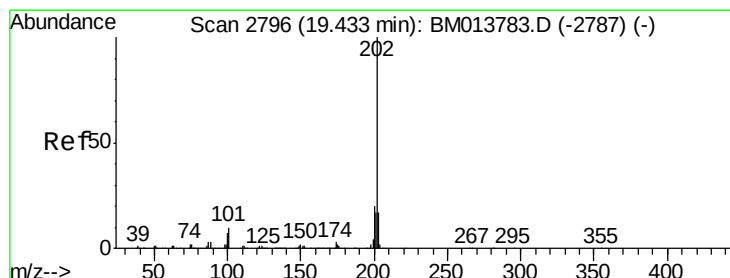
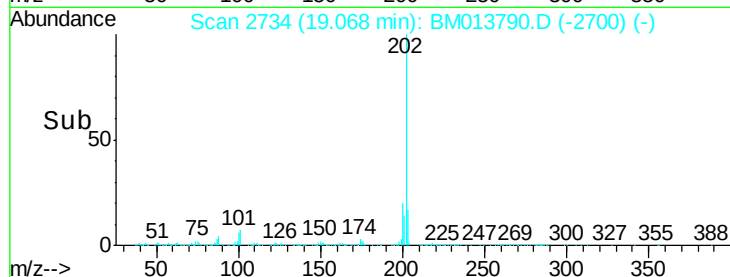
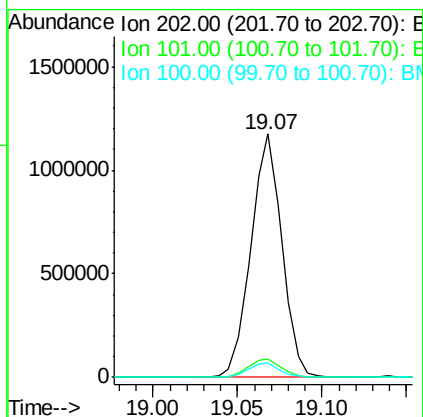
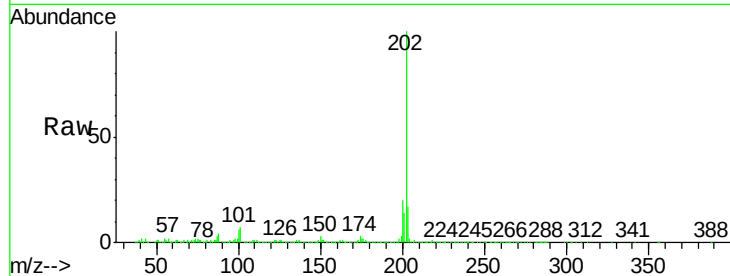




#74
 Fluoranthene
 Concen: 30.518 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BM013790.D
 Acq: 25 Jan 2018 04:23

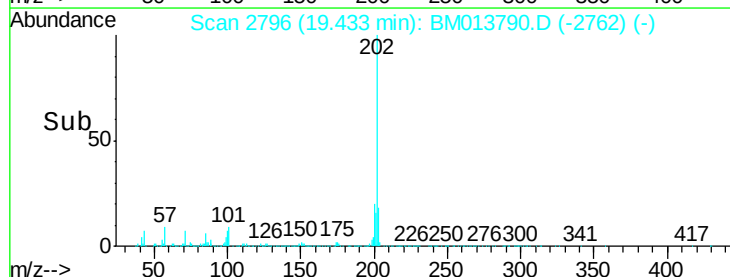
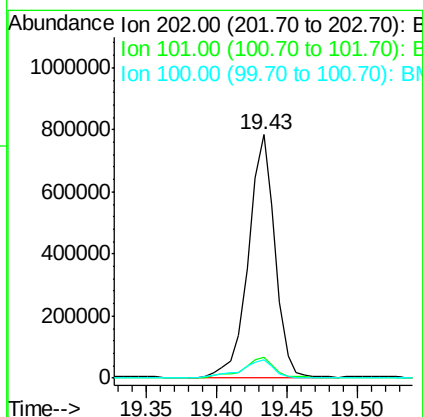
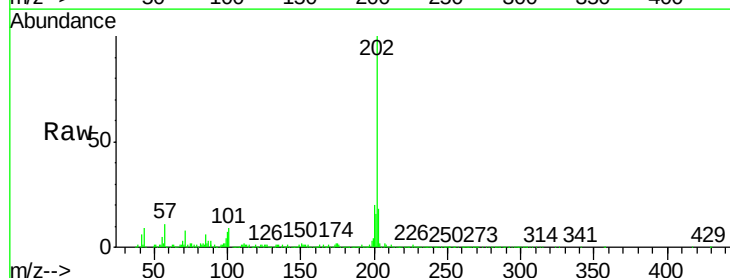
Instrument :
 BNA_M
 ClientSampleId :

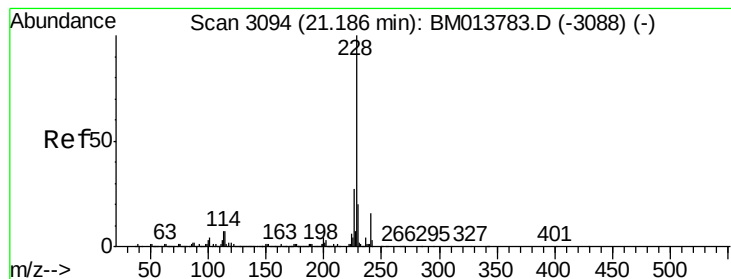
Tot Ion:202 Resp: 1496082
 Ion Ratio Lower Upper
 202 100
 101 7.4 4.6 7.0#
 100 6.0 3.4 5.2#



#77
 Pyrene
 Concen: 22.564 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BM013790.D
 Acq: 25 Jan 2018 04:23

Tgt Ion:202 Resp: 1032258
 Ion Ratio Lower Upper
 202 100
 101 8.6 5.1 7.7#
 100 7.5 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 4.820 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

ClientSampleId :

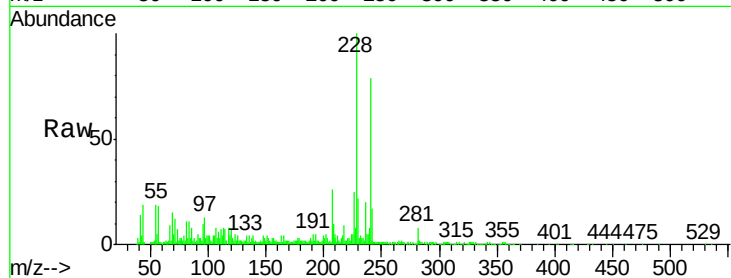
Tot Ion:228 Resp: 219148

Ion Ratio Lower Upper

228 100

229 21.8 15.4 23.0

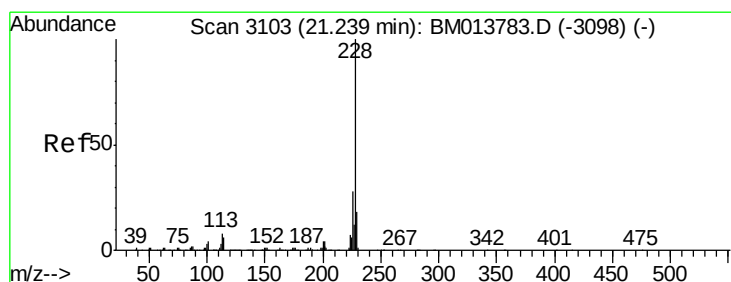
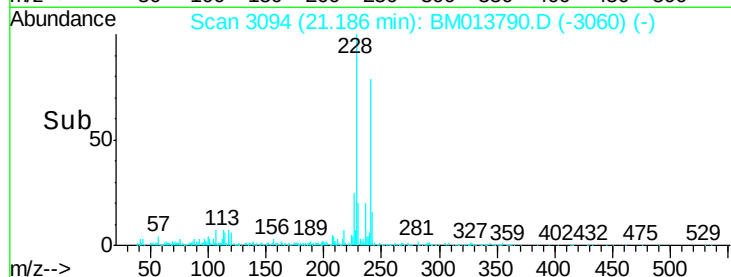
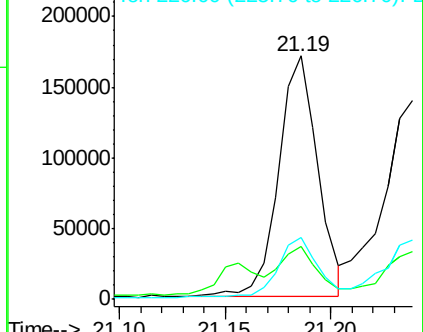
226 25.5 21.4 32.0



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: 5.254 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.05 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

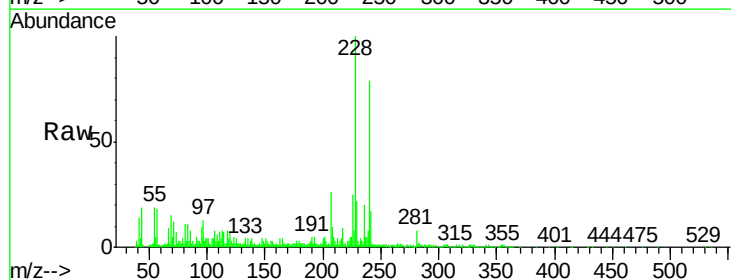
Tgt Ion:228 Resp: 219148

Ion Ratio Lower Upper

228 100

226 25.5 23.4 35.2

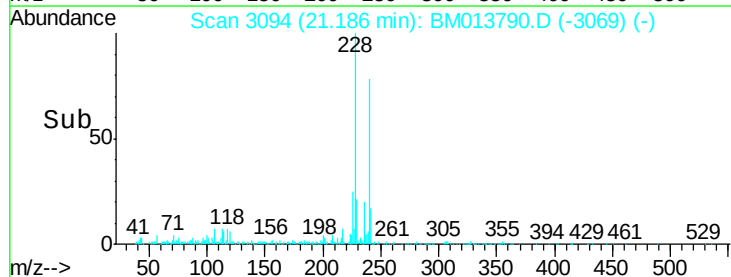
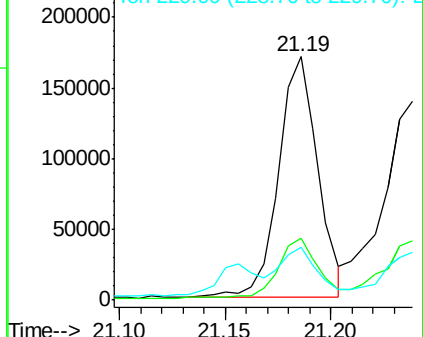
229 21.8 15.5 23.3

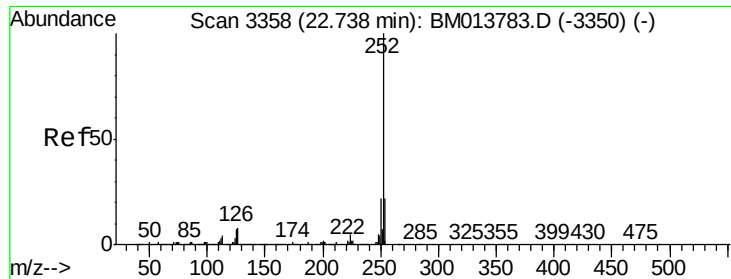


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.541 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.00 min

Lab File: BM013790.D

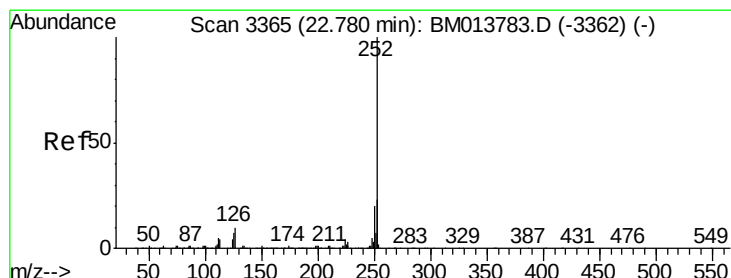
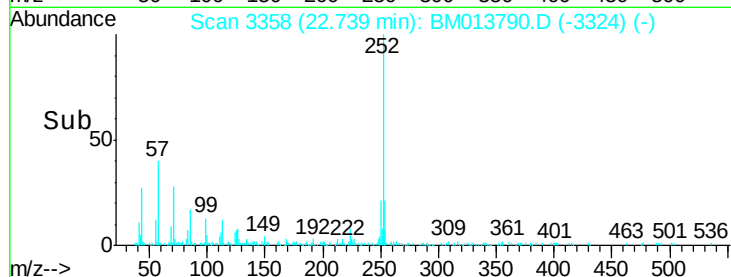
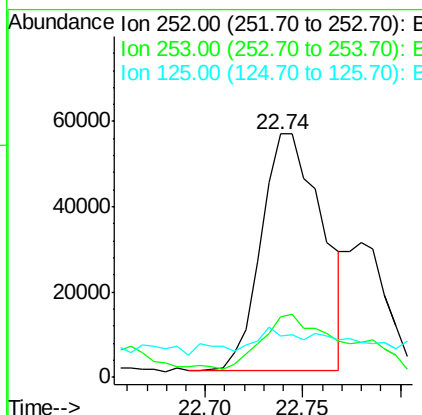
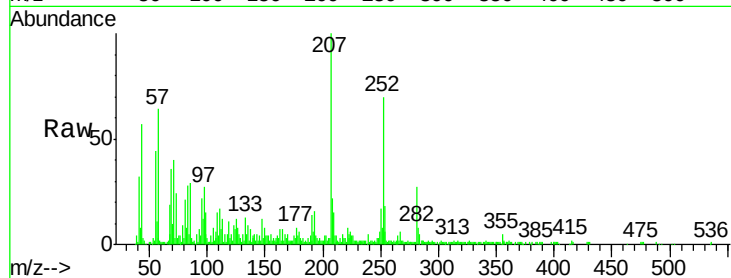
Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	120724
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	17.2	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 2.628 ng/ul

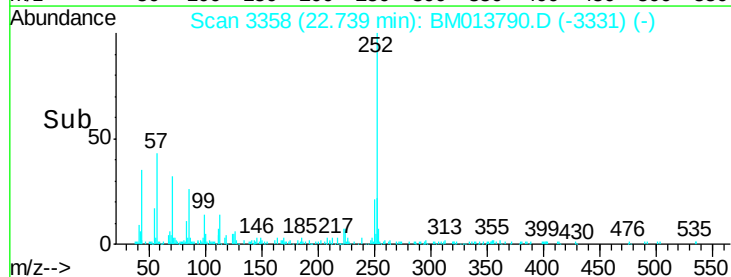
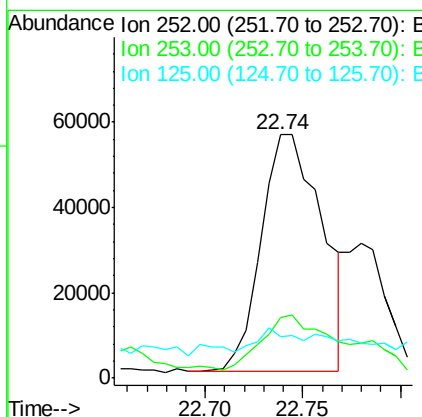
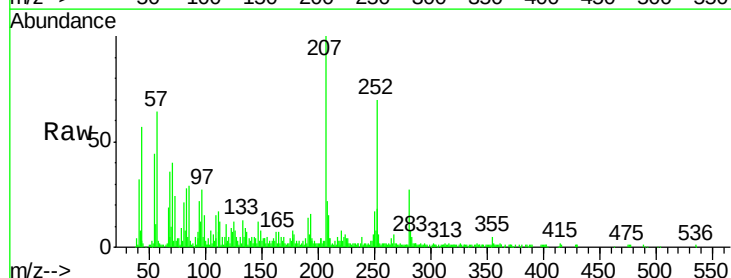
RT: 22.74 min Scan# 3358

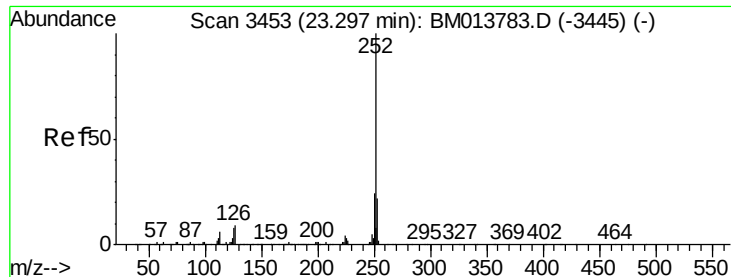
Delta R.T. -0.04 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Tgt Ion:	252	Resp:	120724
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	17.2	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 1.489 ng/ul

RT: 23.30 min Scan# 3453

Delta R.T. 0.00 min

Lab File: BM013790.D

Acq: 25 Jan 2018 04:23

Instrument :

BNA_M

ClientSampleId :

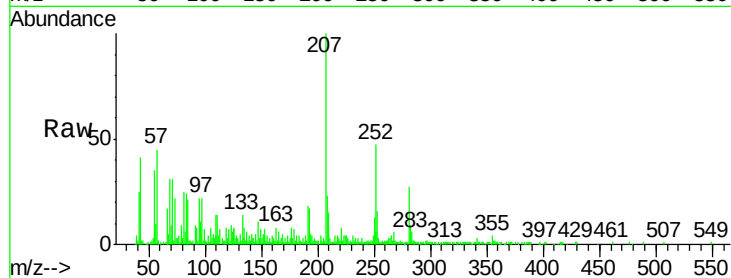
Tot Ion:252 Resp: 66831

Ion Ratio Lower Upper

252 100

253 33.2 18.2 27.2#

125 17.0 4.0 6.0#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

