

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013792.D
 Acq On : 25 Jan 2018 05:34
 Operator : SJ/JU
 Sample : J1222-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 08:32:10 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	170915	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	636491	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	352530	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	747873	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	792396	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	802183	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	9540	2.21	ng/uL	0.00
5) Phenol-d5	6.78	99	215590	16.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	142549	17.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	195037	18.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	108846	10.79	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	101223	20.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	114295	21.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	194428	19.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	210256	24.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	608188	20.93	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	767162	20.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	83084	17.60	ng/ul	0.00
57) Fluorene-d10	15.24	176	530575	20.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	54220	12.04	ng/ul	0.00
70) Anthracene-d10	17.10	188	773201	21.23	ng/ul	0.00
76) Pyrene-d10	19.40	212	883295	23.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	822155	22.30	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.80	94	34094	2.591	ng/ul#	86
24) 2,4-Dimethylphenol	9.57	107	23781	2.074	ng/ul#	44
28) Naphthalene	10.42	128	35724	1.128	ng/ul#	95
32) Caprolactam	11.39	113	101317	37.485	ng/ul	82
34) 2-Methylnaphthalene	12.04	142	39451	1.671	ng/ul	81
40) 1,1'-Biphenyl	13.07	154	32999	1.125	ng/ul#	85
44) Dimethylphthalate	13.71	163	164091	5.744	ng/ul#	98
49) Acenaphthene	14.31	153	241002	10.265	ng/ul	99
50) 2,4-Dinitrophenol	14.39	184	5246	1.653	ng/ul#	1
53) Dibenzofuran	14.65	168	127933	3.622	ng/ul	93
55) 2,3,4,6-Tetrachlorophenol	14.89	232	53399	7.216	ng/ul#	71
58) Fluorene	15.30	166	118121	4.083	ng/ul#	94
63) 4,6-Dinitro-2-methylphenol	15.42	198	7779	1.637	ng/ul#	1
64) N-Nitrosodiphenylamine	15.52	169	61094	2.778	ng/ul#	54
68) Pentachlorophenol	16.66	266	1581035	312.920	ng/ul	98
69) Phenanthrene	17.04	178	629326	15.139	ng/ul	99
71) Anthracene	17.04	178	629326	14.677	ng/ul	97
74) Fluoranthene	19.07	202	5229369	105.382	ng/ul#	94
77) Pyrene	19.44	202	3987840	82.783	ng/ul#	94
80) Benzo(a)anthracene	21.19	228	712921	14.890	ng/ul	98
82) Chrysene	21.24	228	706191	16.077	ng/ul	97
85) Benzo(b)fluoranthene	22.74	252	353935	7.184	ng/ul#	92
86) Benzo(k)fluoranthene	22.79	252	84526	1.775	ng/ul#	84

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Response via : Initial Calibration

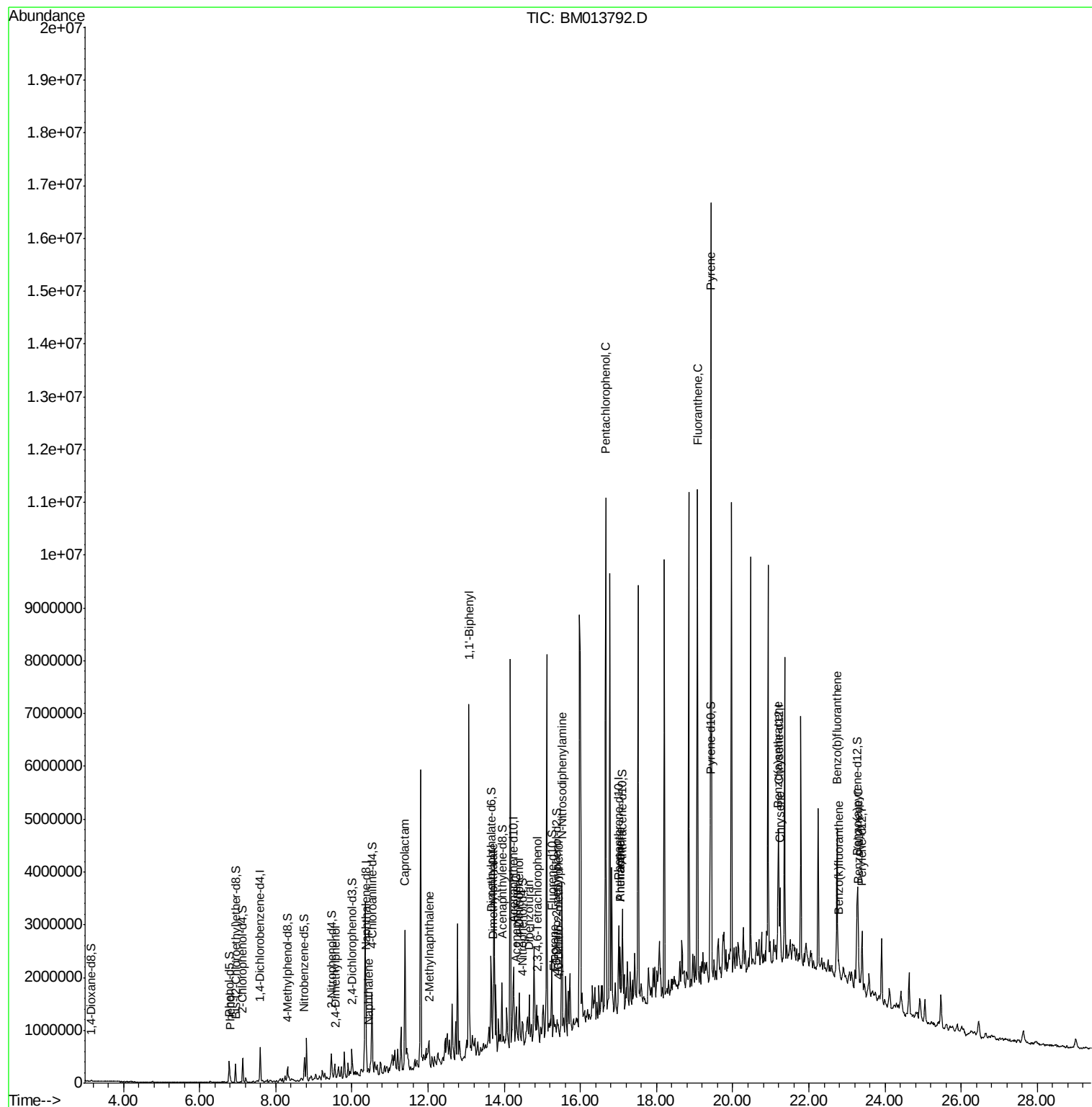
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.30	252	172480	3.706	ng/ul#	90

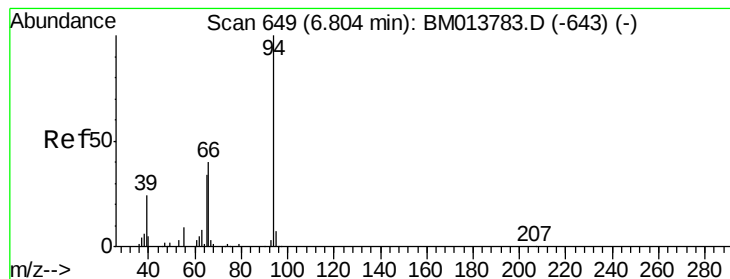
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.591 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

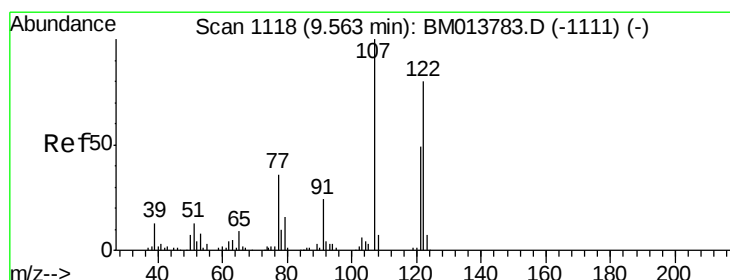
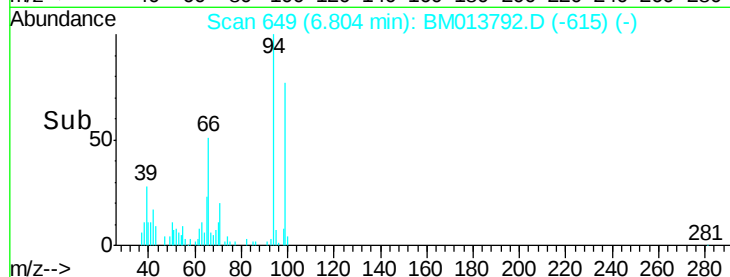
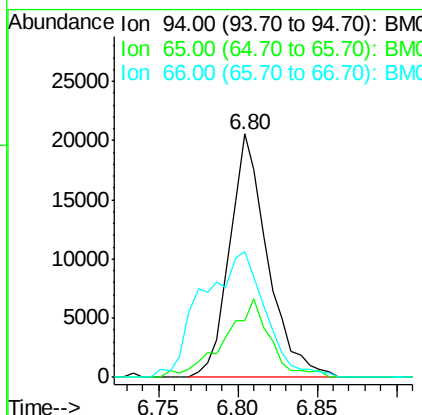
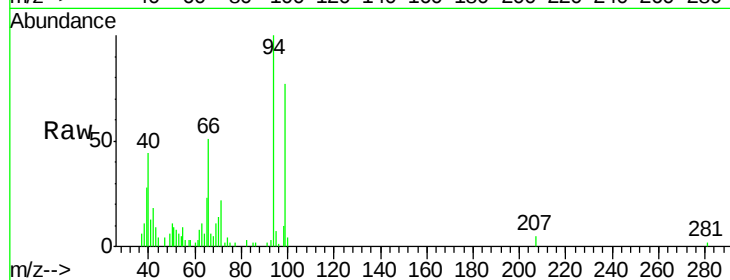
Instrument :

BNA_M

ClientSampled :

Tot Ion: 94 Resp: 34094

Ion	Ratio	Lower	Upper
94	100		
65	23.2	28.2	42.4#
66	51.5	47.2	70.8



#24

2,4-Dimethylphenol

Concen: 2.074 ng/ul

RT: 9.57 min Scan# 1119

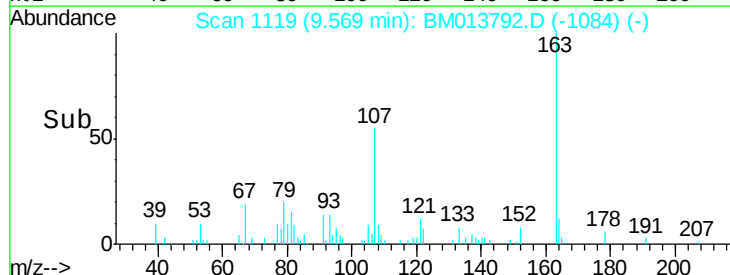
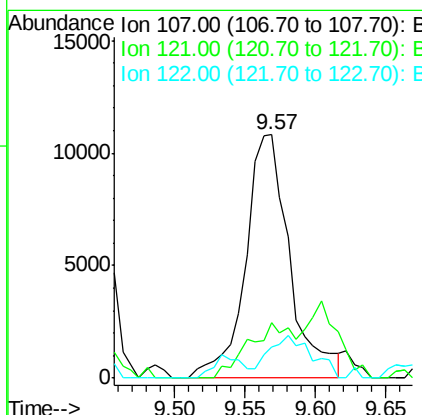
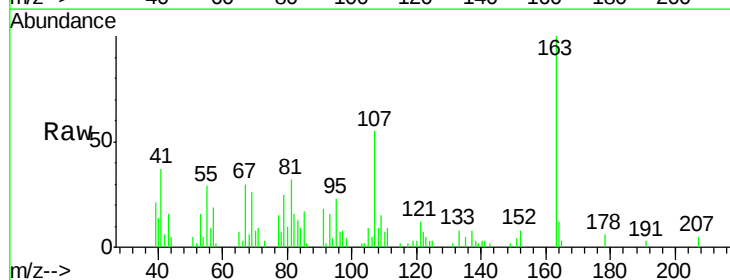
Delta R.T. 0.01 min

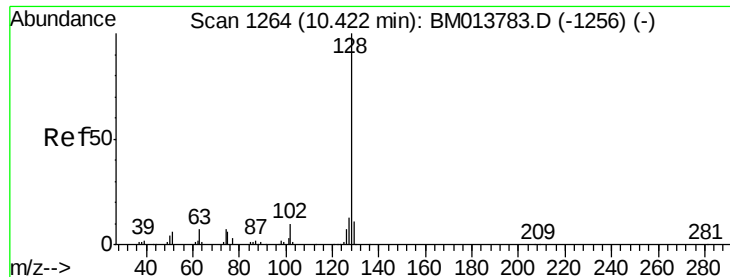
Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

Tgt Ion: 107 Resp: 23781

Ion	Ratio	Lower	Upper
107	100		
121	22.6	31.9	47.9#
122	13.0	57.8	86.6#

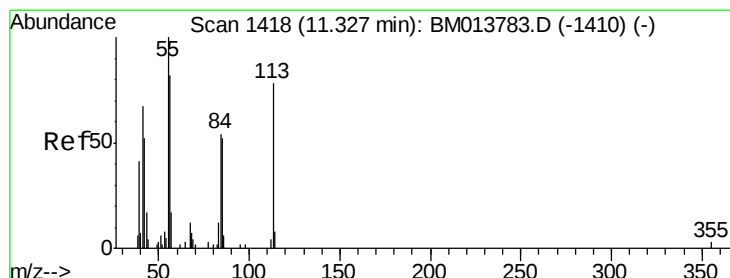
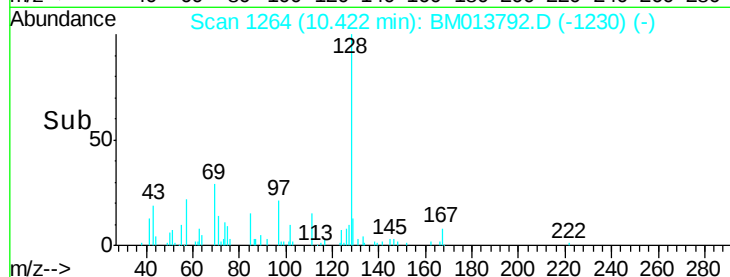
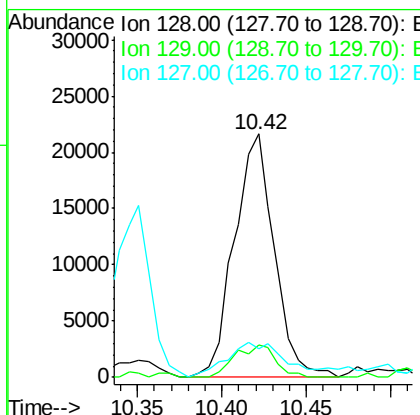
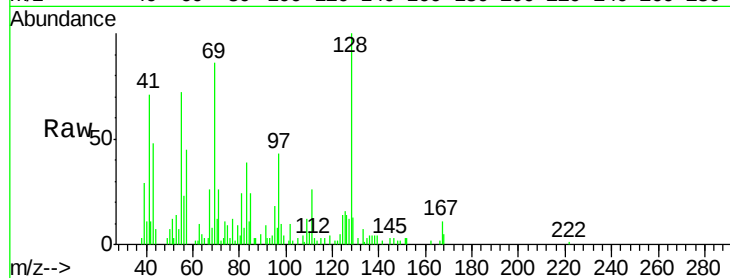




#28
Naphthalene
Concen: 1.128 ng/ul
RT: 10.42 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BM013792.D
Acq: 25 Jan 2018 05:34

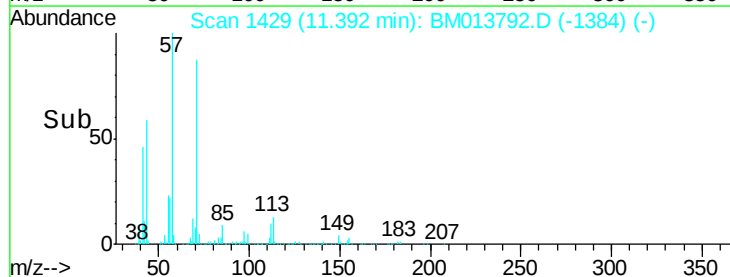
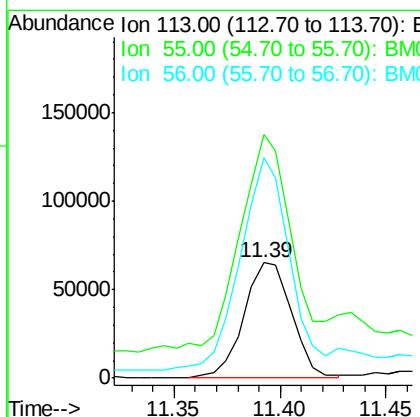
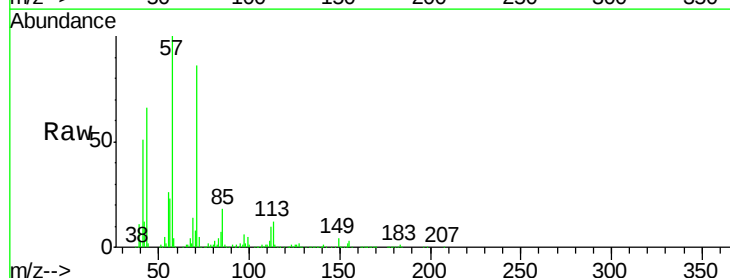
Instrument :
BNA_M
ClientSampleId :

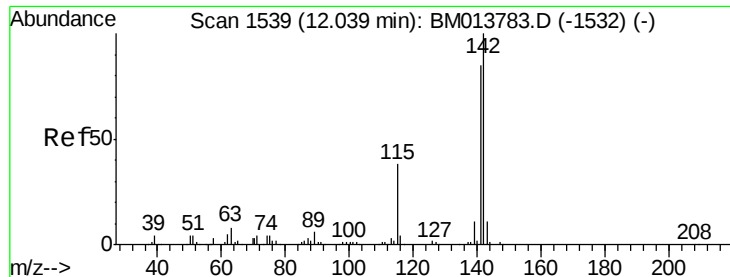
Tot Ion:128 Resp: 35724
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.2#
127 11.7 10.6 16.0



#32
Caprolactam
Concen: 37.485 ng/ul
RT: 11.39 min Scan# 1429
Delta R.T. 0.06 min
Lab File: BM013792.D
Acq: 25 Jan 2018 05:34

Tgt Ion:113 Resp: 101317
Ion Ratio Lower Upper
113 100
55 210.7 208.0 312.0
56 191.0 160.0 240.0

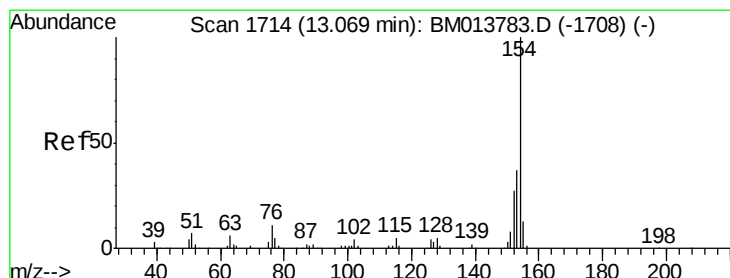
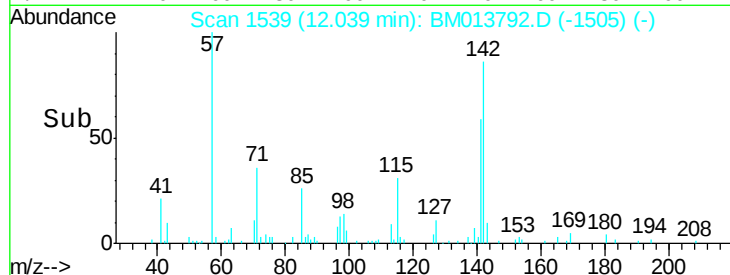
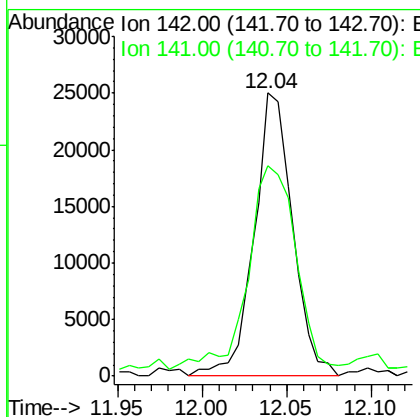
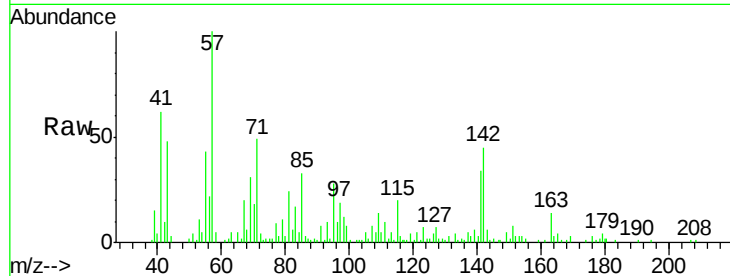




#34
 2-Methylnaphthalene
 Concen: 1.671 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

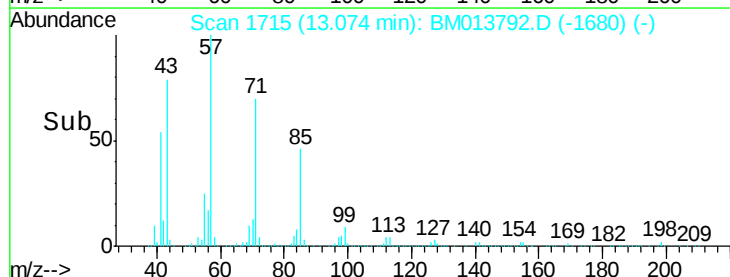
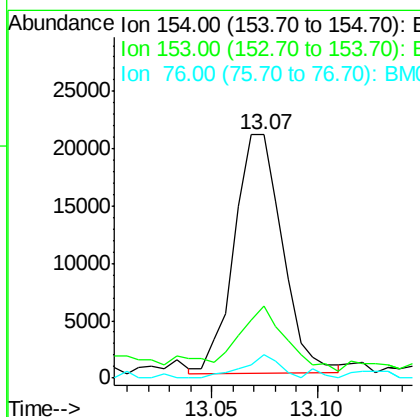
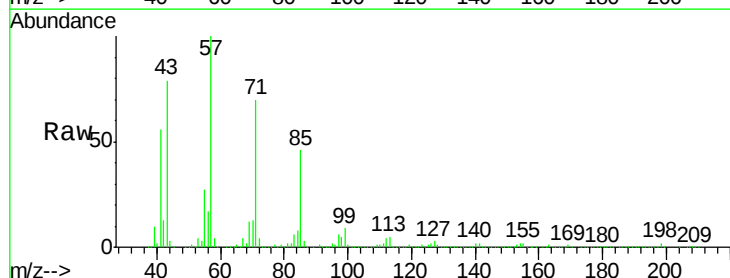
Instrument :
 BNA_M
 ClientSampleId :

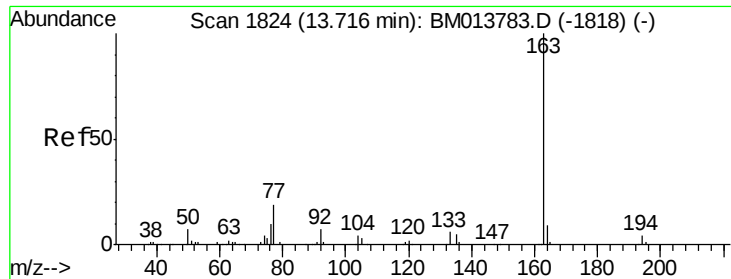
Tot Ion:142 Resp: 39451
 Ion Ratio Lower Upper
 142 100
 141 74.5 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.125 ng/ul
 RT: 13.07 min Scan# 1715
 Delta R.T. 0.01 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

Tgt Ion:154 Resp: 32999
 Ion Ratio Lower Upper
 154 100
 153 29.4 32.6 48.8#
 76 9.5 8.5 12.7

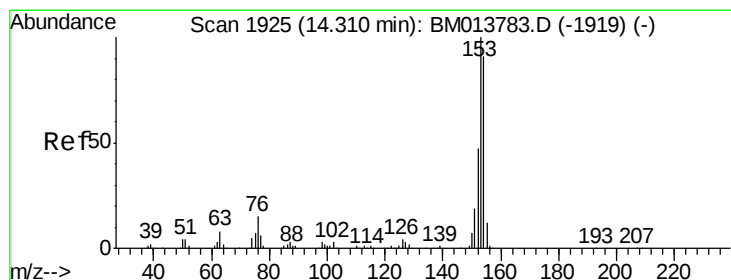
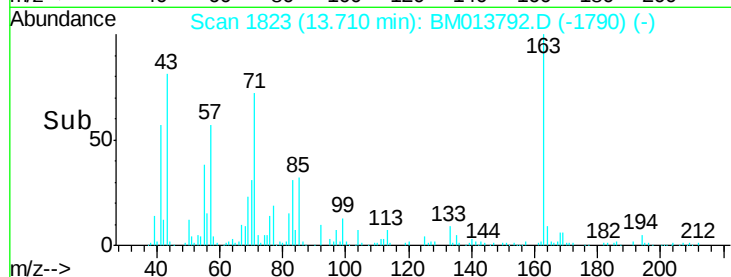
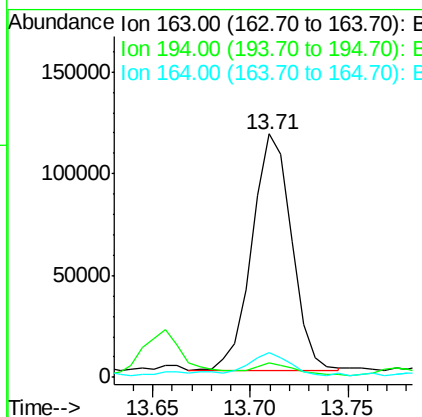
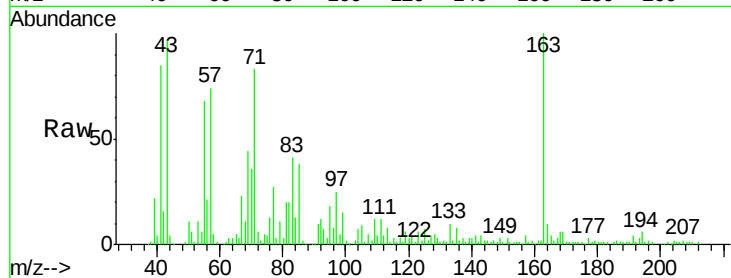




#44
Dimethylphthalate
Concen: 5.744 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM013792.D
Acq: 25 Jan 2018 05:34

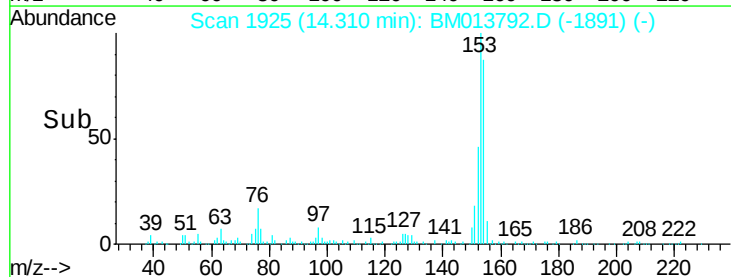
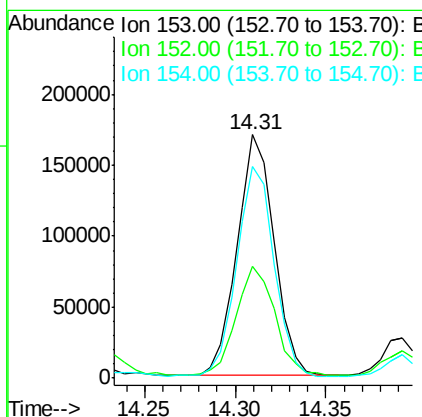
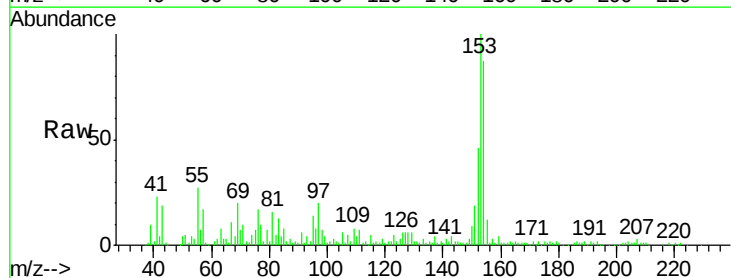
Instrument :
BNA_M
ClientSampleId :

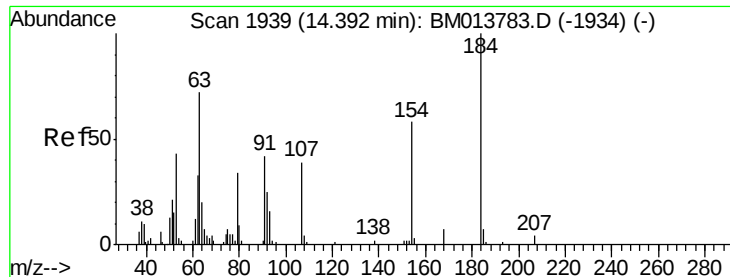
Tot Ion:163 Resp: 164091
Ion Ratio Lower Upper
163 100
194 5.9 3.5 5.3#
164 10.2 8.2 12.4



#49
Acenaphthene
Concen: 10.265 ng/ul
RT: 14.31 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM013792.D
Acq: 25 Jan 2018 05:34

Tgt Ion:153 Resp: 241002
Ion Ratio Lower Upper
153 100
152 46.2 37.6 56.4
154 86.7 70.4 105.6

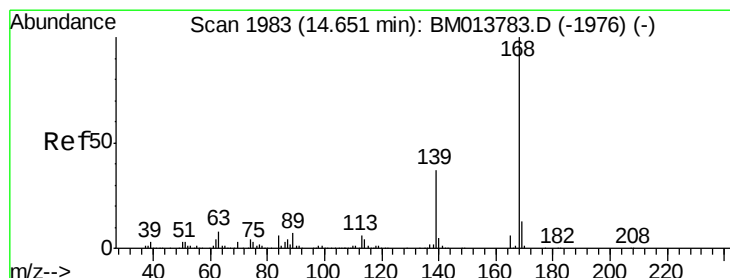
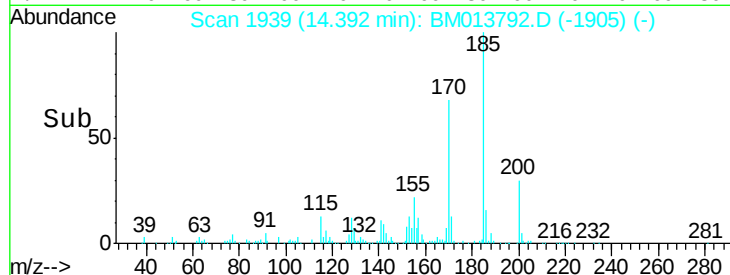
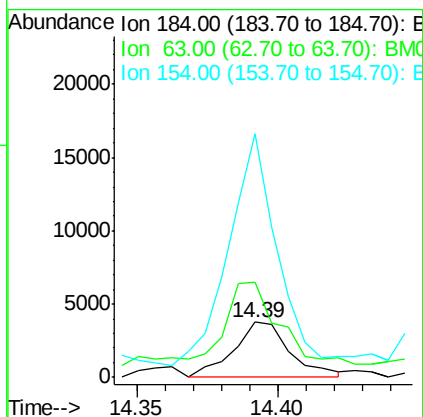
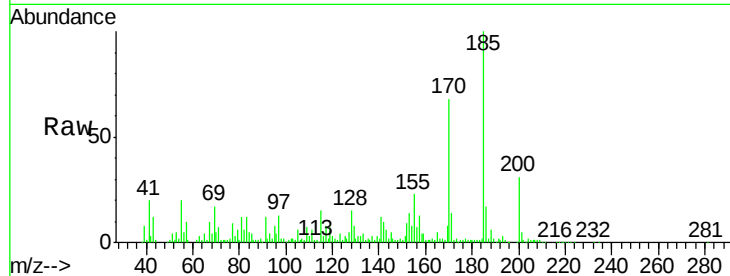




#50
2,4-Dinitrophenol
Concen: 1.653 ng/ul
RT: 14.39 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BM013792.D
Acq: 25 Jan 2018 05:34

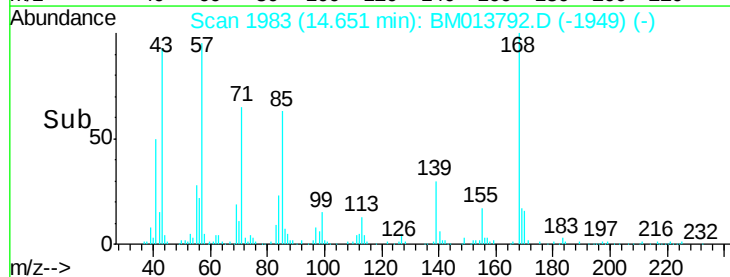
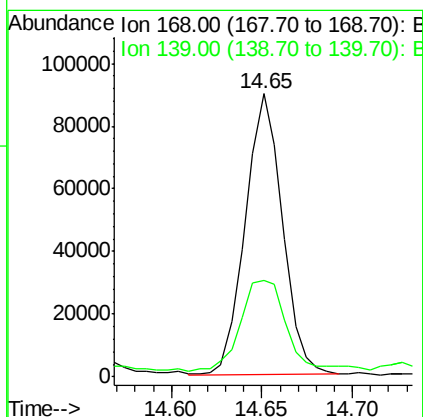
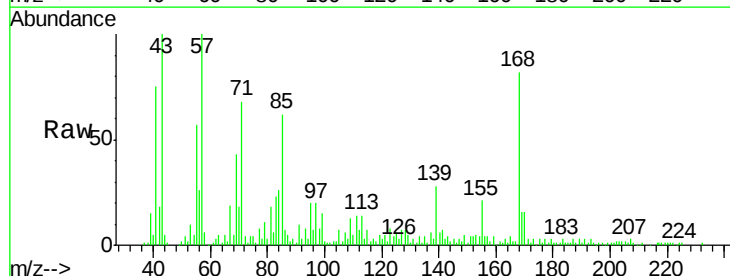
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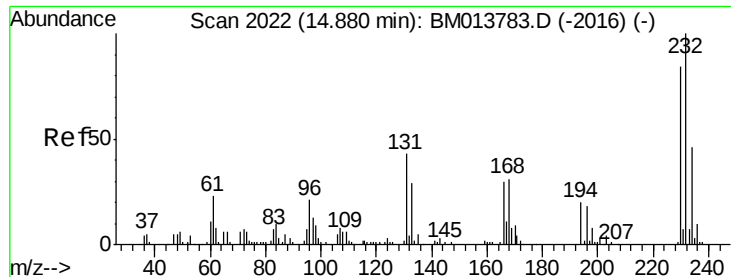
Tot Ion:184 Resp: 5246
Ion Ratio Lower Upper
184 100
63 172.2 50.1 75.1#
154 443.3 54.5 81.7#



#53
Dibenzofuran
Concen: 3.622 ng/ul
RT: 14.65 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BM013792.D
Acq: 25 Jan 2018 05:34

Tgt Ion:168 Resp: 127933
Ion Ratio Lower Upper
168 100
139 34.0 30.8 46.2

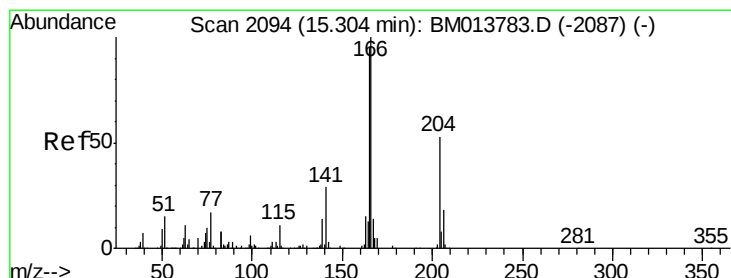
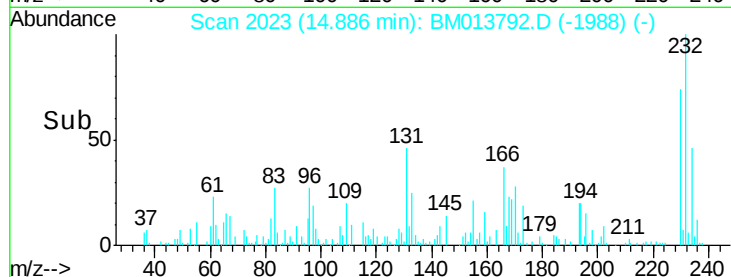
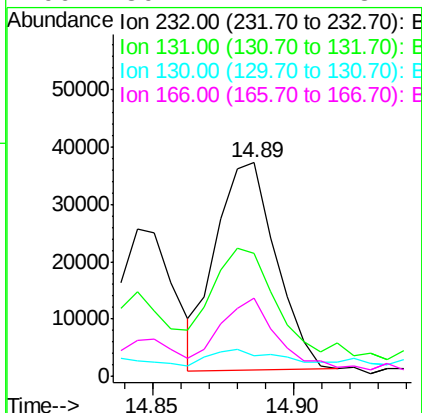
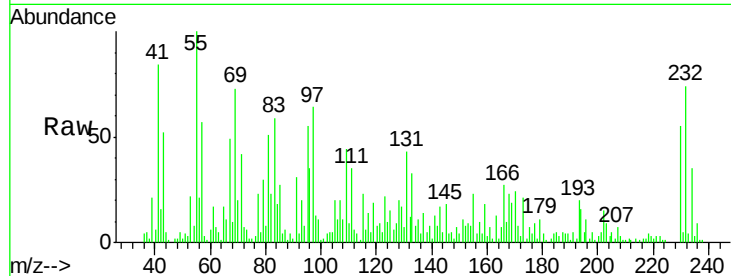




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 7.216 ng/ul
 RT: 14.89 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

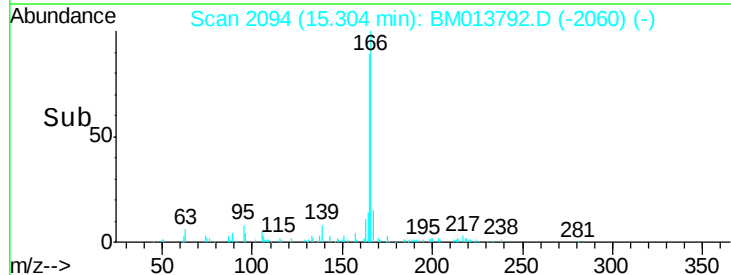
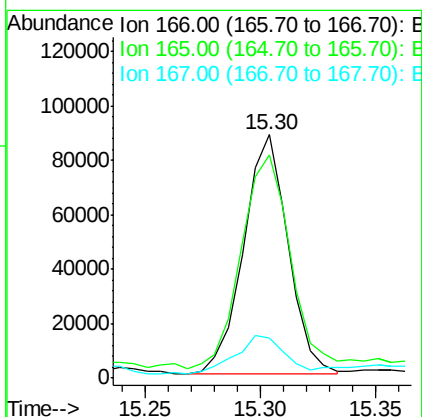
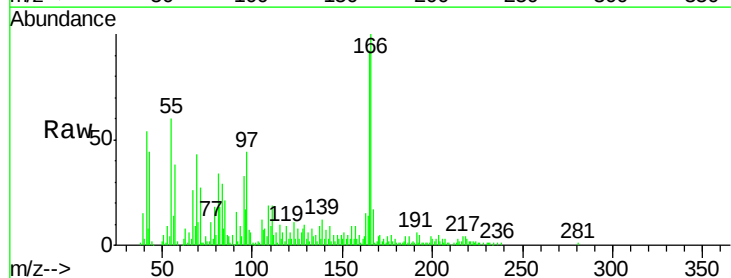
Instrument :
 BNA_M
 ClientSampleId :

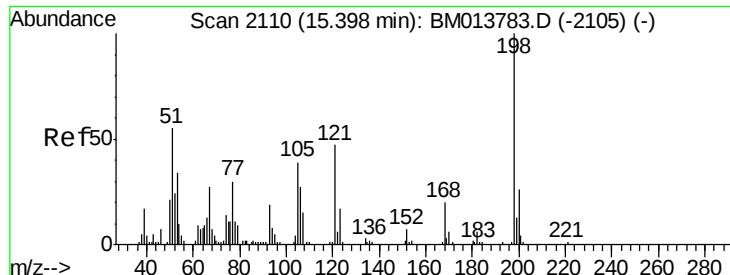
Tot Ion:232 Resp: 53399
 Ion Ratio Lower Upper
 232 100
 131 57.8 29.0 43.4#
 130 9.7 2.0 3.0#
 166 36.7 21.4 32.2#



#58
 Fluorene
 Concen: 4.083 ng/ul
 RT: 15.30 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

Tgt Ion:166 Resp: 118121
 Ion Ratio Lower Upper
 166 100
 165 91.8 77.9 116.9
 167 16.6 10.6 16.0#

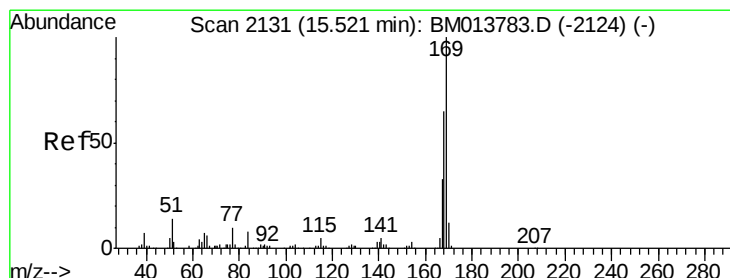
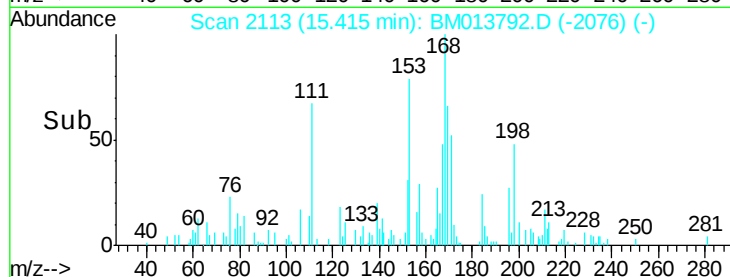
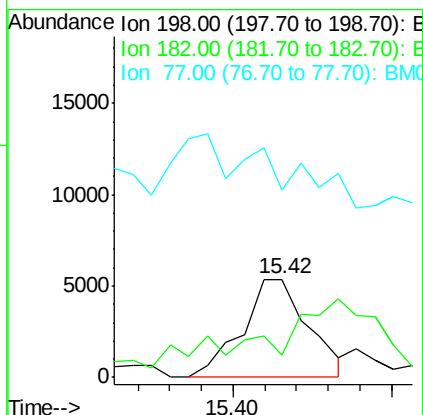
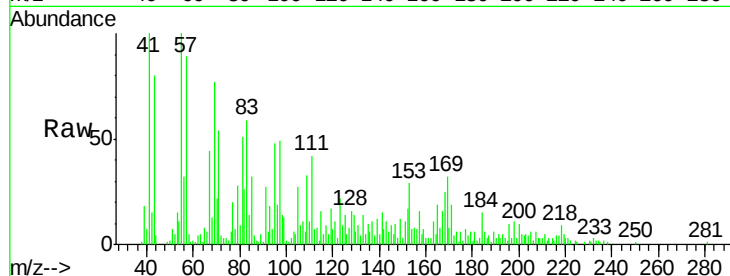




#63
 4,6-Dinitro-2-methylphenol
 Concen: 1.637 ng/ul
 RT: 15.42 min Scan# 2113
 Delta R.T. 0.02 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

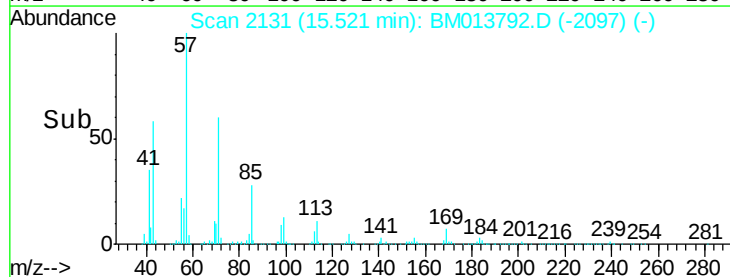
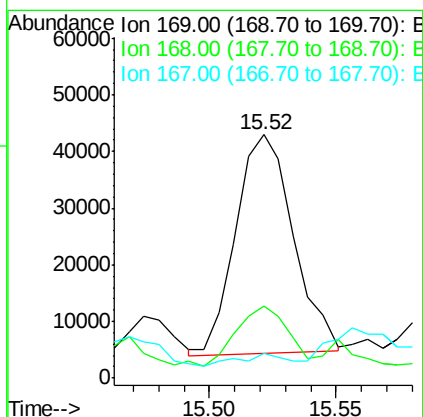
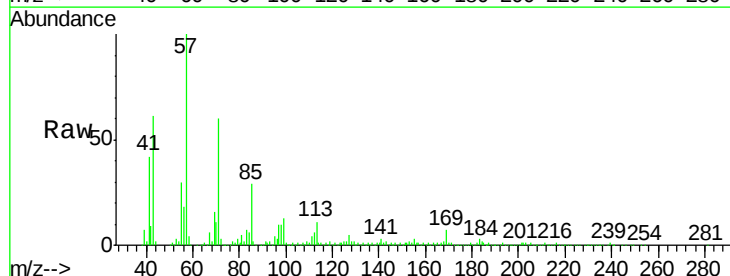
Instrument :
 BNA_M
 ClientSampleId :

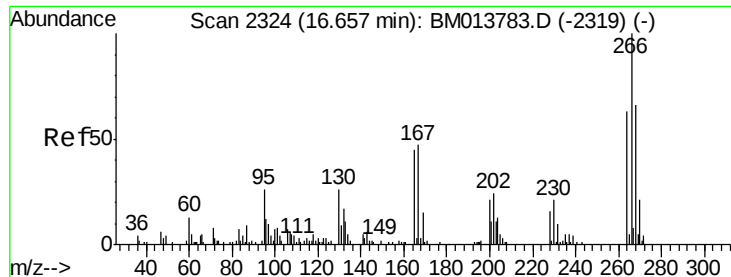
Tot Ion:198 Resp: 7779
 Ion Ratio Lower Upper
 198 100
 182 22.4 3.8 5.6#
 77 191.2 25.2 37.8#



#64
 N-Nitrosodiphenylamine
 Concen: 2.778 ng/ul
 RT: 15.52 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

Tgt Ion:169 Resp: 61094
 Ion Ratio Lower Upper
 169 100
 168 29.4 54.0 81.0#
 167 9.9 29.1 43.7#

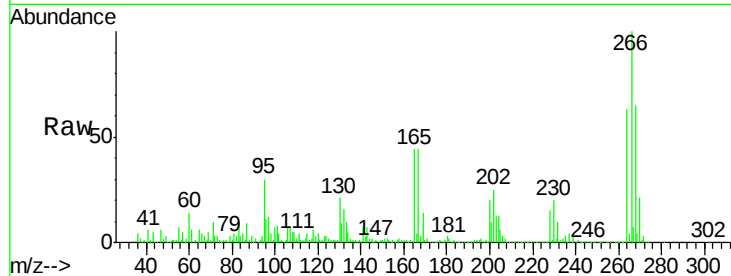




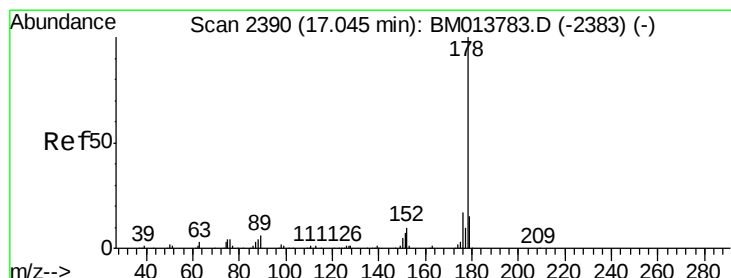
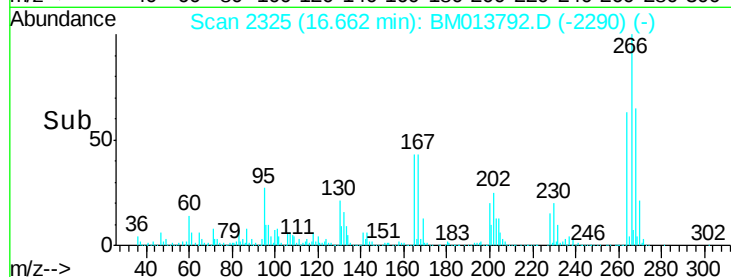
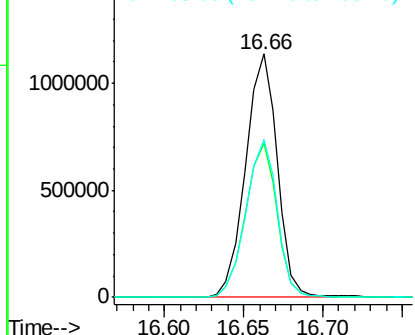
#68
 Pentachlorophenol
 Concen: 312.920 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. 0.01 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:266 Resp: 1581035
 Ion Ratio Lower Upper
 266 100
 264 63.3 49.3 73.9
 268 65.0 52.6 78.8

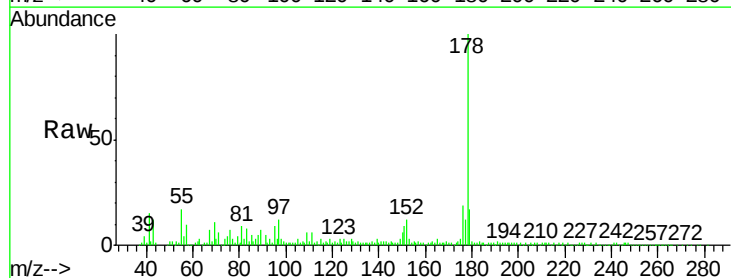


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

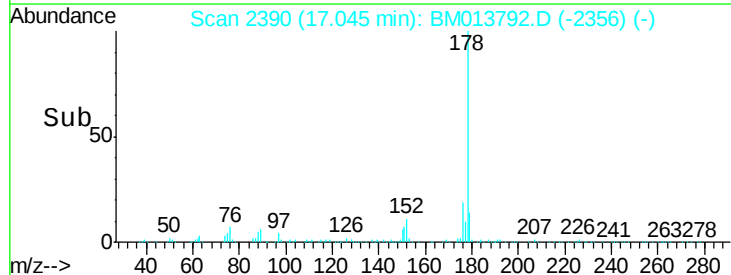
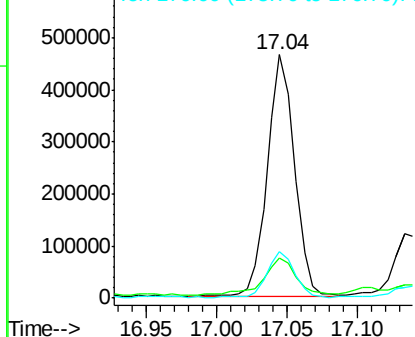


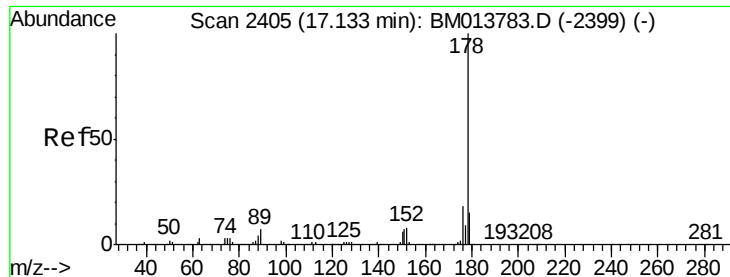
#69
 Phenanthrene
 Concen: 15.139 ng/ul
 RT: 17.04 min Scan# 2390
 Delta R.T. 0.00 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

Tgt Ion:178 Resp: 629326
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.6 19.0
 176 19.0 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

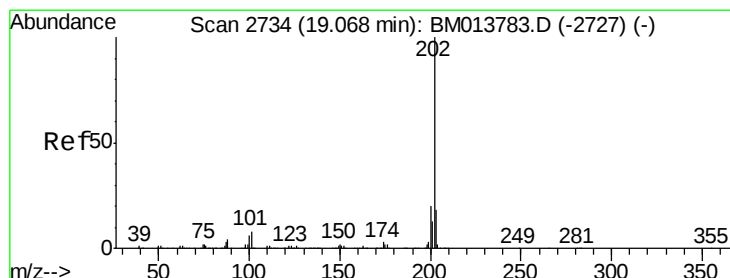
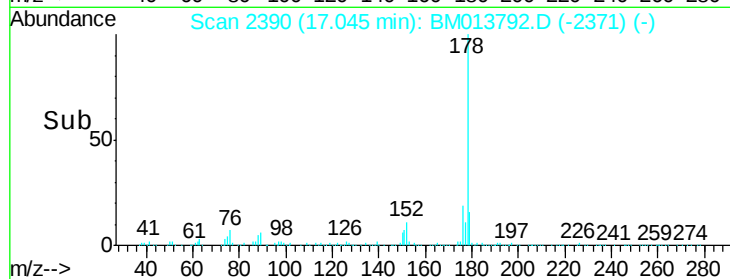
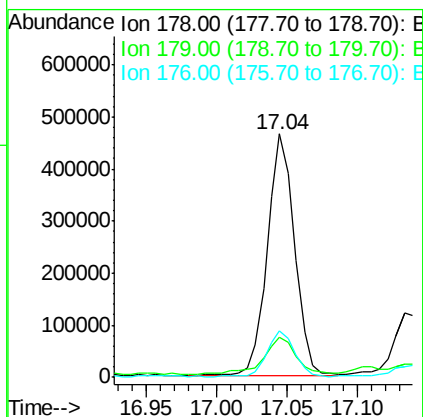
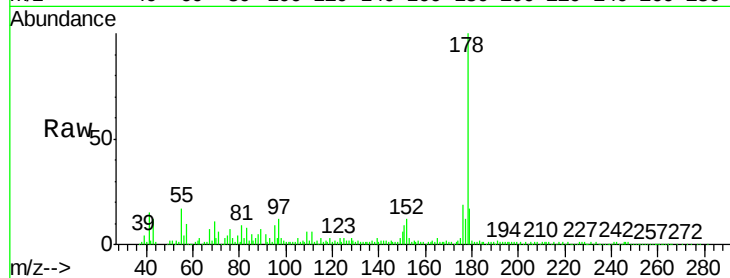




#71
 Anthracene
 Concen: 14.677 ng/ul
 RT: 17.04 min Scan# 2390
 Delta R.T. -0.09 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

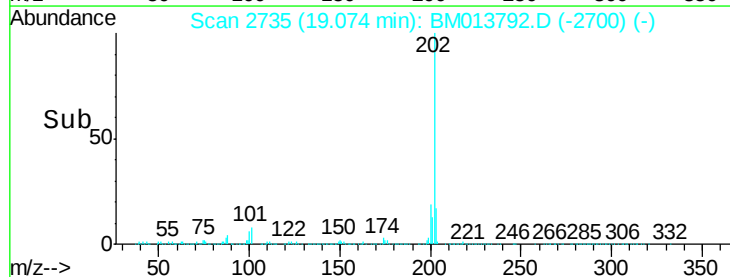
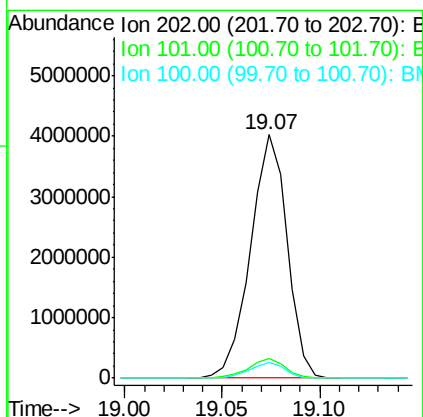
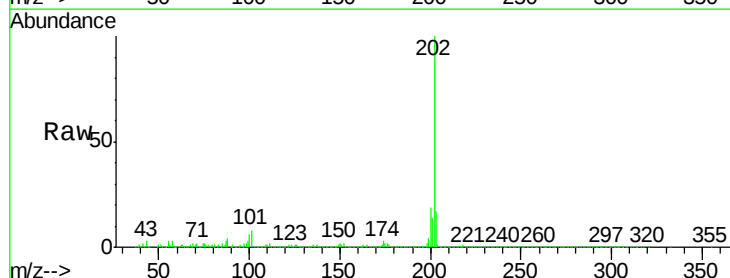
Instrument :
 BNA_M
 ClientSampleId :

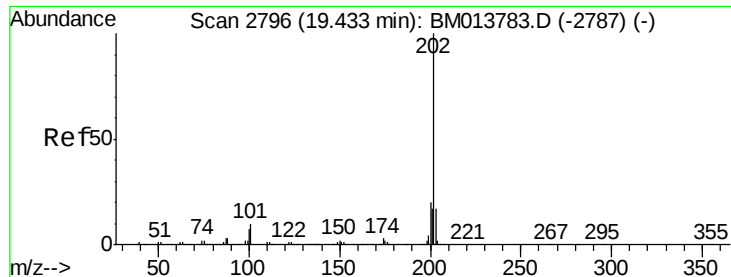
Tot Ion:178 Resp: 629326
 Ion Ratio Lower Upper
 178 100
 179 16.6 11.7 17.5
 176 19.0 14.6 21.8



#74
 Fluoranthene
 Concen: 105.382 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.01 min
 Lab File: BM013792.D
 Acq: 25 Jan 2018 05:34

Tgt Ion:202 Resp: 5229369
 Ion Ratio Lower Upper
 202 100
 101 7.9 4.6 7.0#
 100 6.2 3.4 5.2#





#77

Pvrene

Concen: 82.783 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

Instrument :

BNA_M

ClientSampleId :

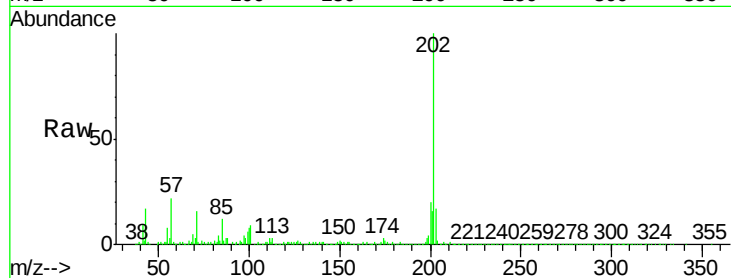
Tot Ion:202 Resp: 3987840

Ion Ratio Lower Upper

202 100

101 9.0 5.1 7.7#

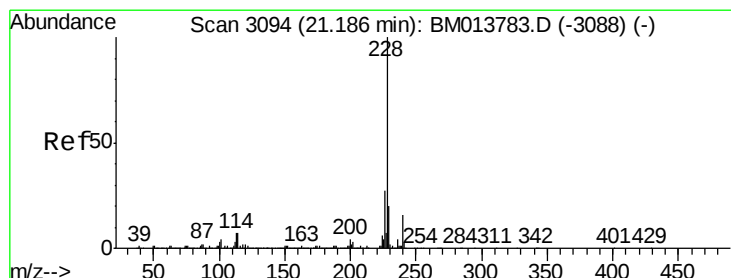
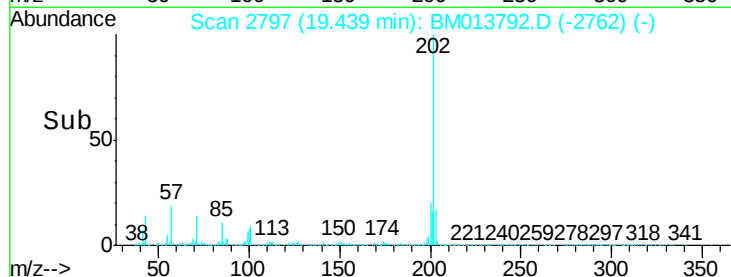
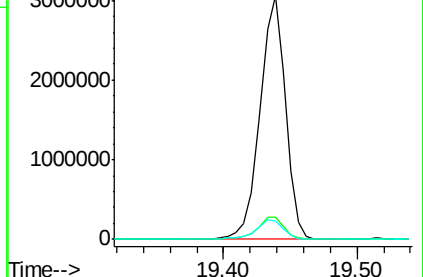
100 7.7 4.9 7.3#



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: 14.890 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

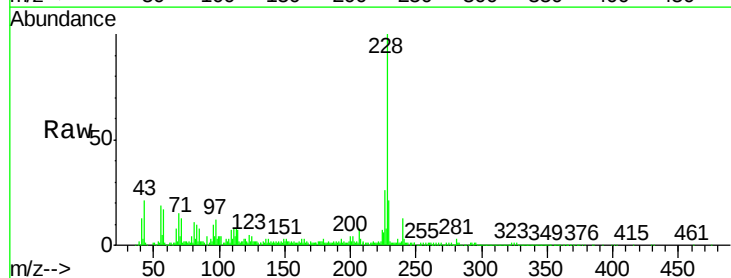
Tgt Ion:228 Resp: 712921

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

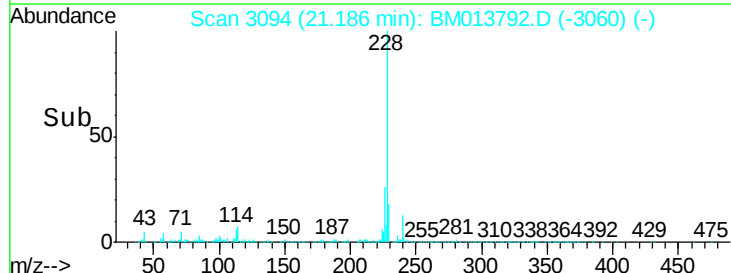
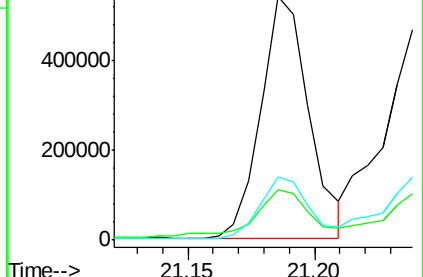
226 26.1 21.4 32.0

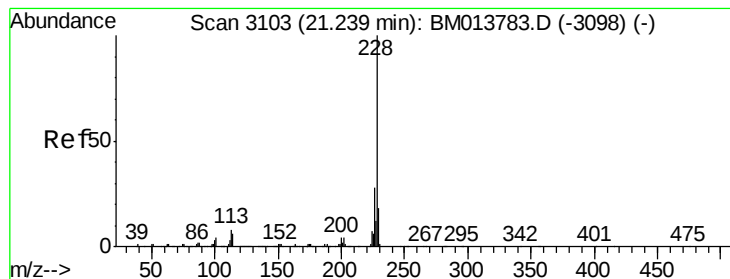


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 16.077 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

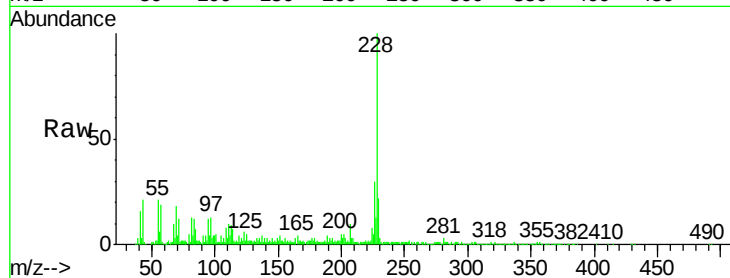
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 706191

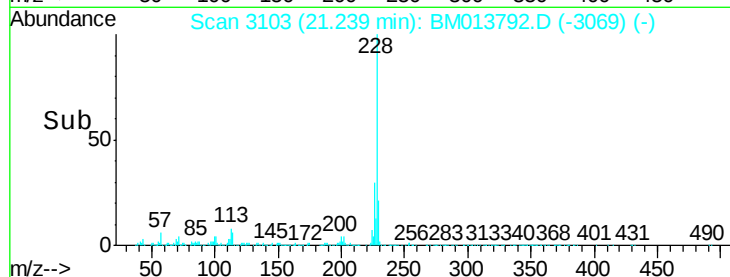
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.3	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

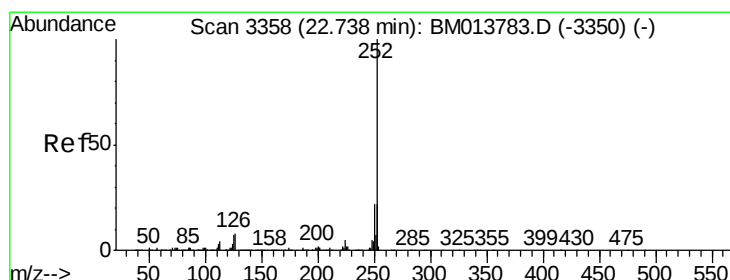
Ion 229.00 (228.70 to 229.70): E



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: 7.184 ng/ul

RT: 22.74 min Scan# 3359

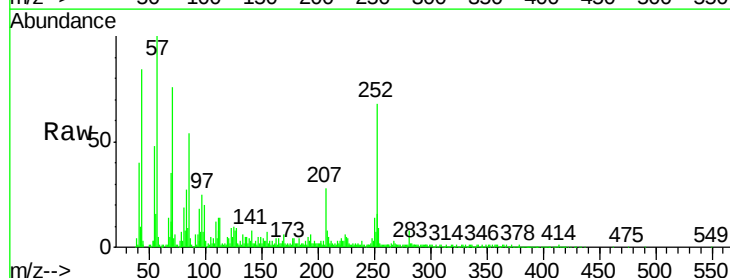
Delta R.T. 0.01 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

Tgt Ion:252 Resp: 353935

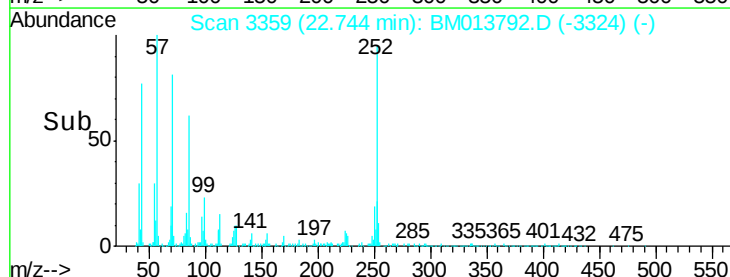
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.9	3.6	5.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

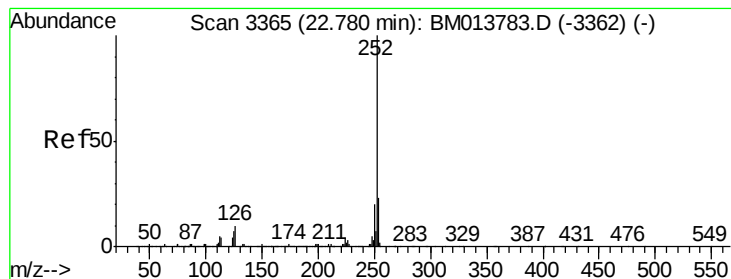
Ion 125.00 (124.70 to 125.70): E



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



#86

Benzo(k)fluoranthene

Concen: 1.775 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

Instrument :

BNA_M

ClientSampled :

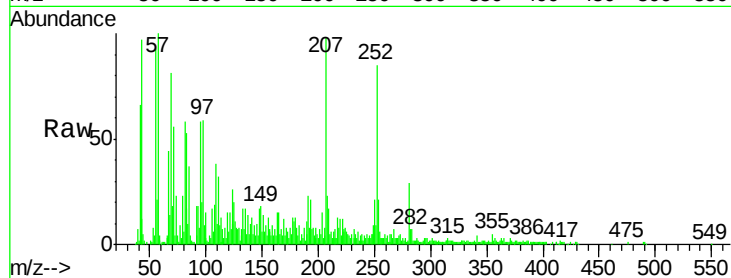
Tot Ion:252 Resp: 84526

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

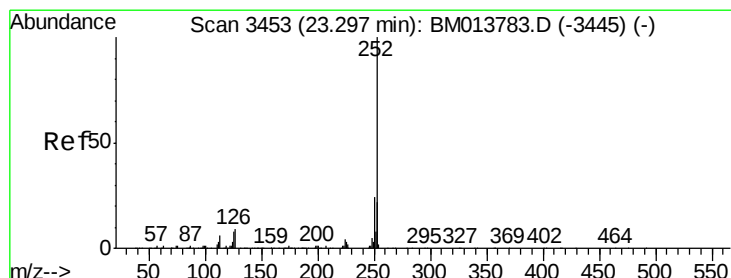
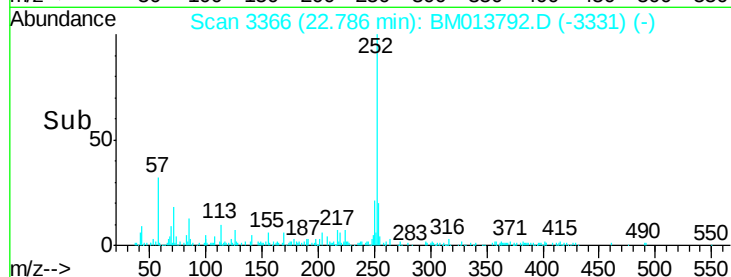
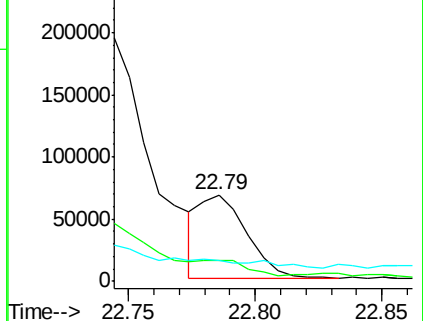
125 23.6 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 3.706 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BM013792.D

Acq: 25 Jan 2018 05:34

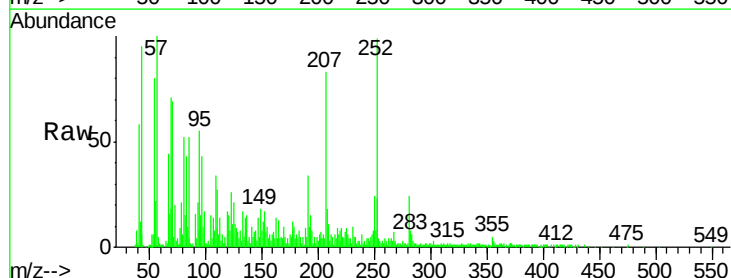
Tgt Ion:252 Resp: 172480

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

125 21.4 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

