

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013793.D
 Acq On : 25 Jan 2018 06:10
 Operator : SJ/JU
 Sample : J1222-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 10:31:26 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	7.60	152	175494	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	669852	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	367156	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	765962	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	795950	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	822440	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	10180	2.29	ng/uL	0.00
5) Phenol-d5	6.78	99	253227	18.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	161445	19.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	225976	20.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	110027	10.62	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	117196	22.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	135899	24.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	224522	21.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	238773	25.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	703450	23.25	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	888842	23.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	95980	19.52	ng/ul	0.00
57) Fluorene-d10	15.24	176	594119	22.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	74083	16.07	ng/ul	0.00
70) Anthracene-d10	17.10	188	905927	24.28	ng/ul	0.00
76) Pyrene-d10	19.40	212	1007813	27.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	955171	25.27	ng/ul	0.00

Target Compounds

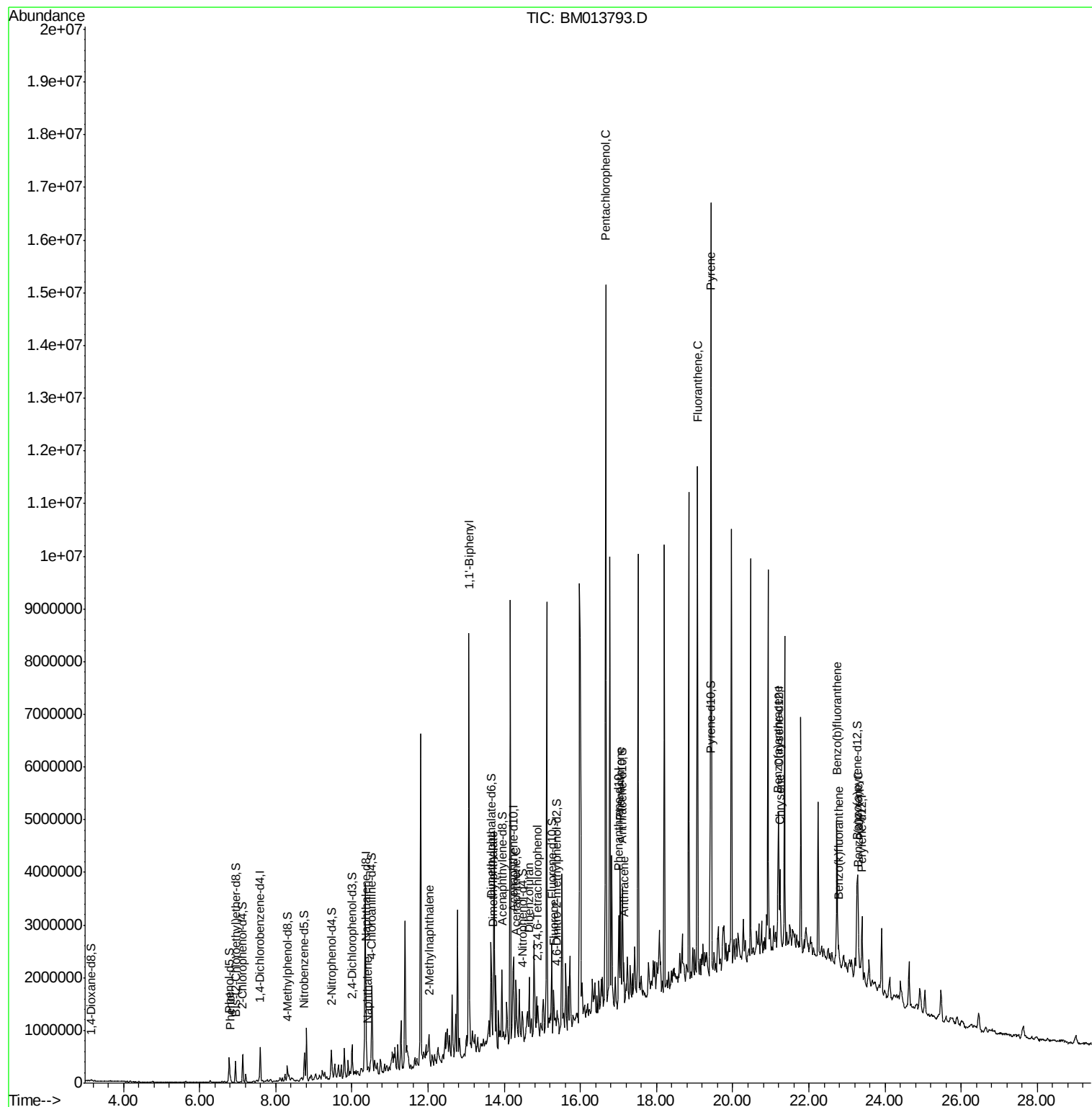
					Ovalue	
6) Phenol	6.80	94	42485	3.144	ng/ul#	87
28) Naphthalene	10.42	128	56681	1.701	ng/ul	97
34) 2-Methylnaphthalene	12.04	142	77001	3.099	ng/ul	96
40) 1,1'-Biphenyl	13.07	154	56083	1.835	ng/ul#	87
44) Dimethylphthalate	13.71	163	199628	6.710	ng/ul	97
49) Acenaphthene	14.31	153	406022	16.605	ng/ul	98
53) Dibenzofuran	14.65	168	272468	7.407	ng/ul	94
55) 2,3,4,6-Tetrachlorophenol	14.89	232	78509	10.186	ng/ul#	84
58) Fluorene	15.30	166	274513	9.110	ng/ul	98
68) Pentachlorophenol	16.66	266	2199578	425.061	ng/ul	97
69) Phenanthrene	17.04	178	1495816	35.132	ng/ul	99
71) Anthracene	17.14	178	308382m	7.022	ng/ul	
74) Fluoranthene	19.07	202	5551703	109.236	ng/ul#	94
77) Pyrene	19.44	202	4278859	88.428	ng/ul#	95
80) Benzo(a)anthracene	21.19	228	728560	15.148	ng/ul	97
82) Chrysene	21.24	228	741483	16.805	ng/ul	98
85) Benzo(b)fluoranthene	22.74	252	370028	7.326	ng/ul#	84
86) Benzo(k)fluoranthene	22.79	252	118439	2.426	ng/ul#	86
88) Benzo(a)pyrene	23.30	252	177008	3.710	ng/ul#	89

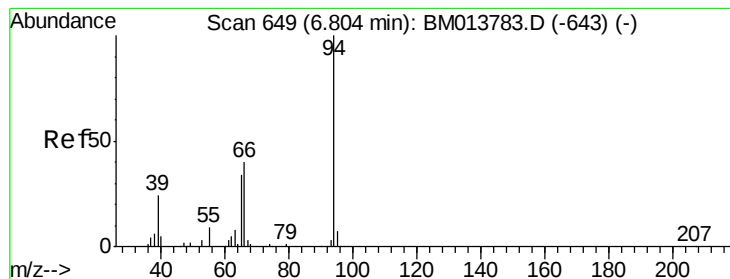
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.144 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

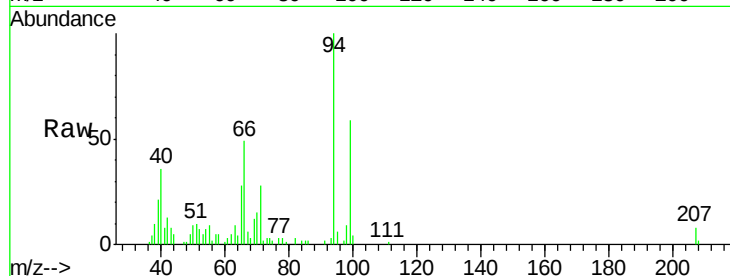
Tot Ion: 94 Resp: 42485

Ion Ratio Lower Upper

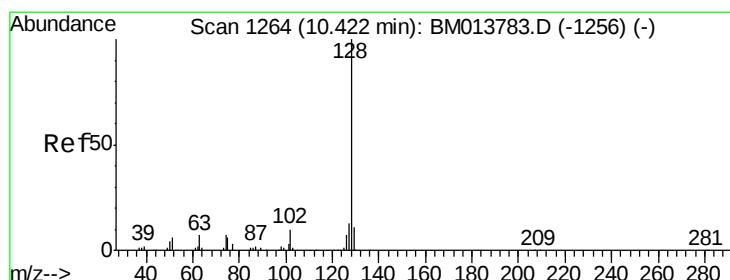
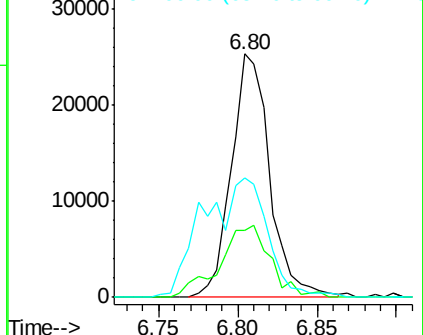
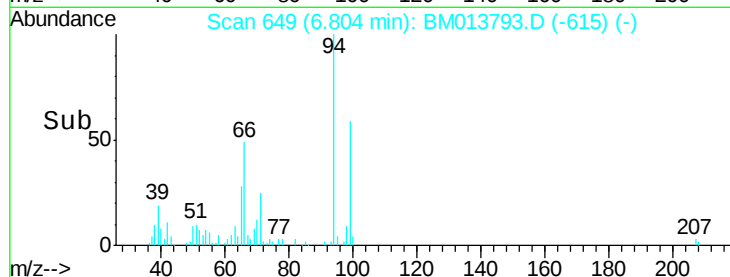
94 100

65 27.6 28.2 42.4#

66 49.1 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013793.D (-615) (-)



#28

Naphthalene

Concen: 1.701 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

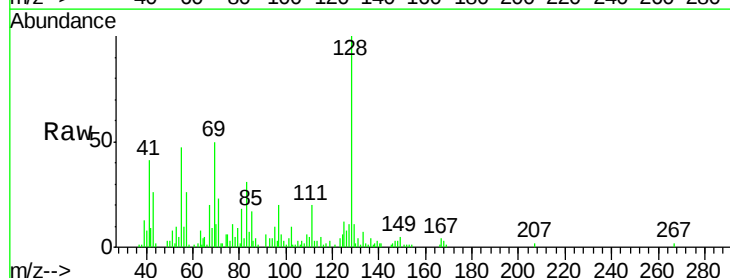
Tgt Ion:128 Resp: 56681

Ion Ratio Lower Upper

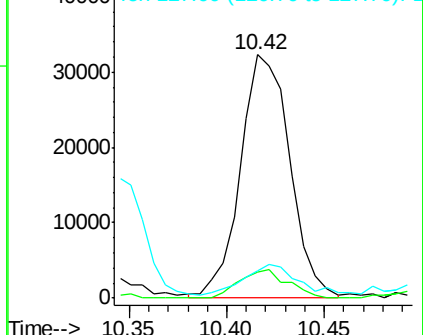
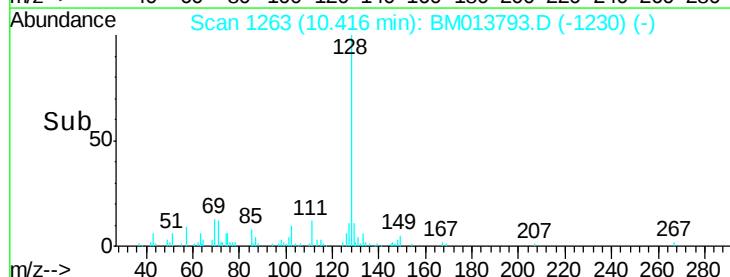
128 100

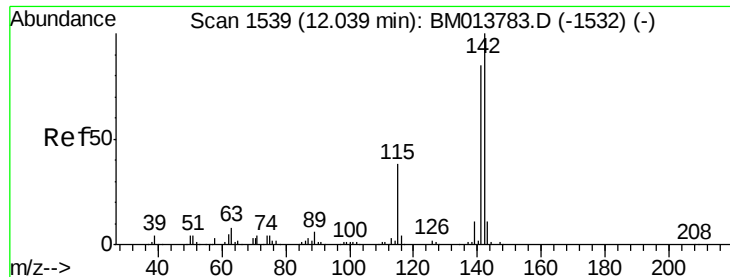
129 10.6 8.8 13.2

127 11.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): BM013793.D (-1230) (-)

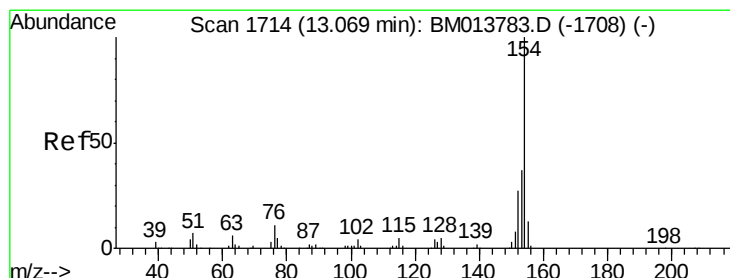
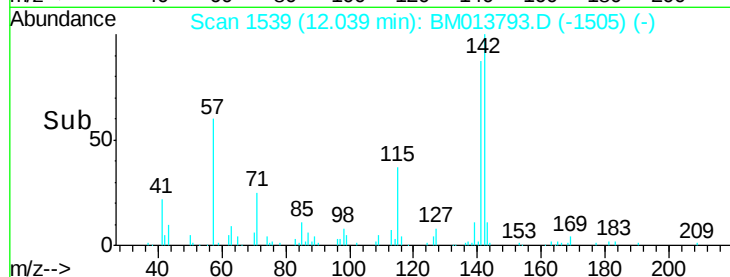
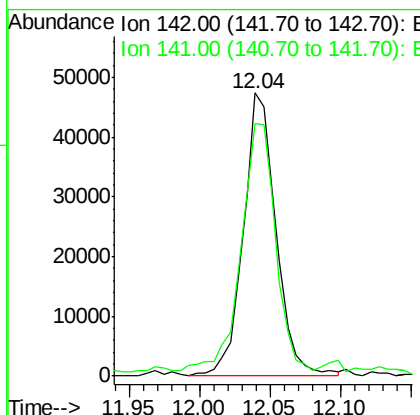
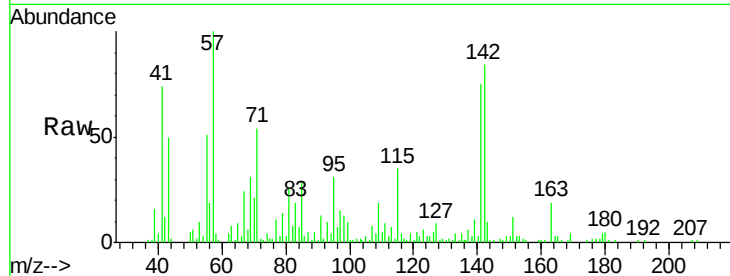




#34
 2-Methylnaphthalene
 Concen: 3.099 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: BM013793.D
 Acq: 25 Jan 2018 06:10

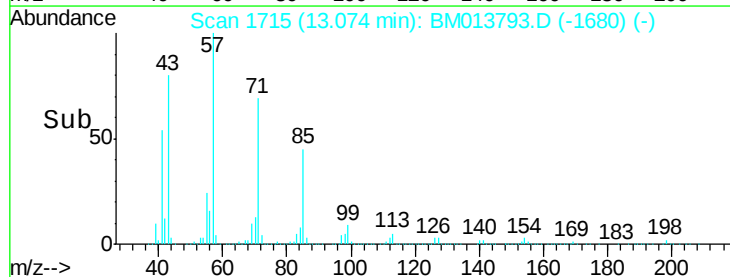
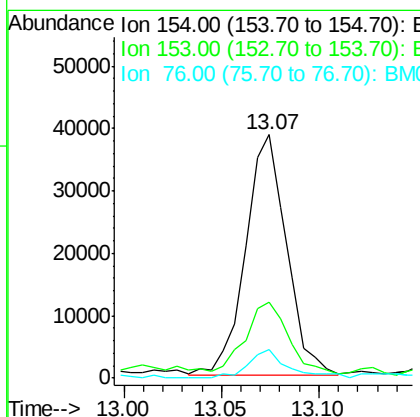
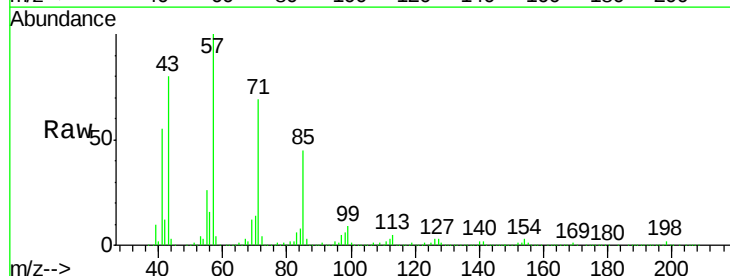
Instrument :
 BNA_M
 ClientSampled :

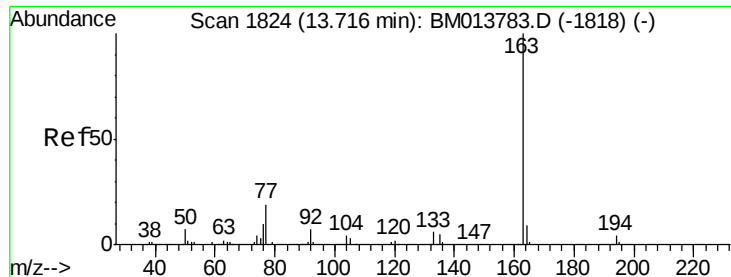
Tot Ion:142 Resp: 77001
 Ion Ratio Lower Upper
 142 100
 141 89.1 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.835 ng/ul
 RT: 13.07 min Scan# 1715
 Delta R.T. 0.01 min
 Lab File: BM013793.D
 Acq: 25 Jan 2018 06:10

Tgt Ion:154 Resp: 56083
 Ion Ratio Lower Upper
 154 100
 153 31.2 32.6 48.8#
 76 11.6 8.5 12.7

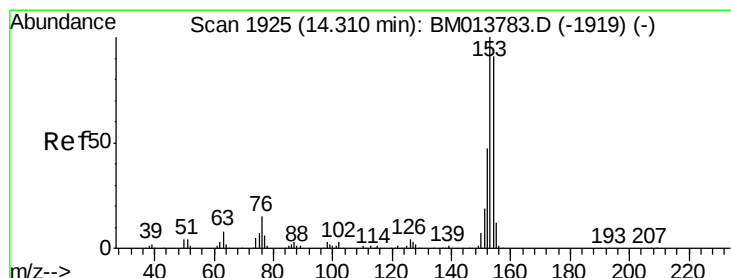
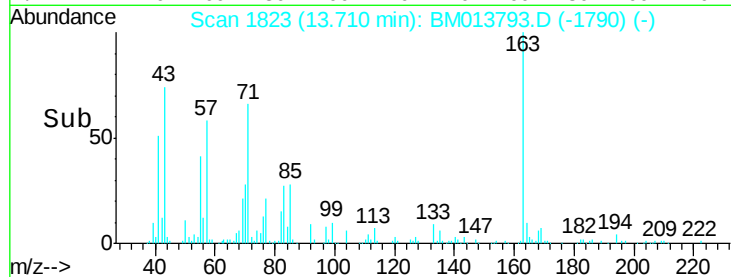
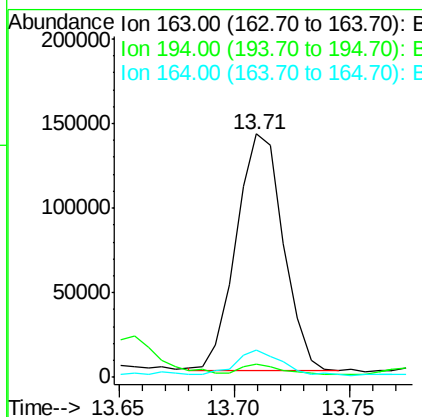
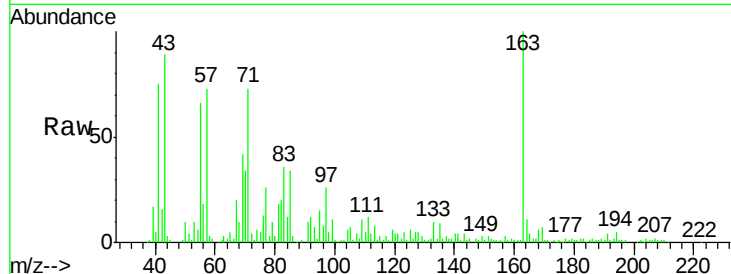




#44
Dimethylphthalate
Concen: 6.710 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

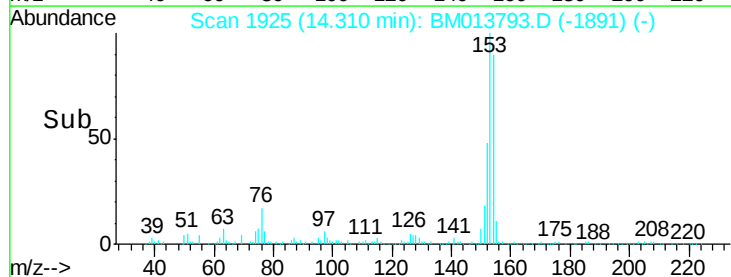
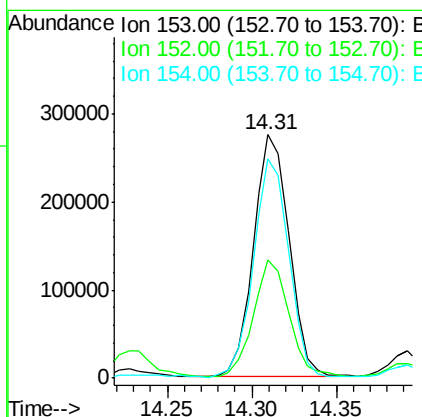
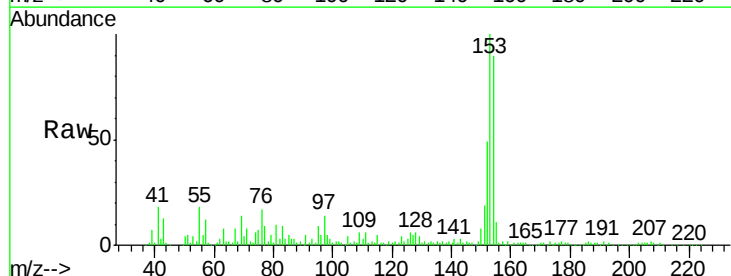
Instrument :
BNA_M
ClientSampleId :

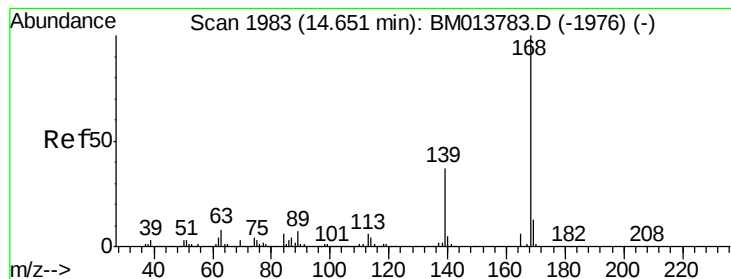
Tot Ion:163 Resp: 199628
Ion Ratio Lower Upper
163 100
194 5.2 3.5 5.3
164 11.4 8.2 12.4



#49
Acenaphthene
Concen: 16.605 ng/ul
RT: 14.31 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Tgt Ion:153 Resp: 406022
Ion Ratio Lower Upper
153 100
152 48.7 37.6 56.4
154 90.0 70.4 105.6





#53

Dibenzofuran

Concen: 7.407 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

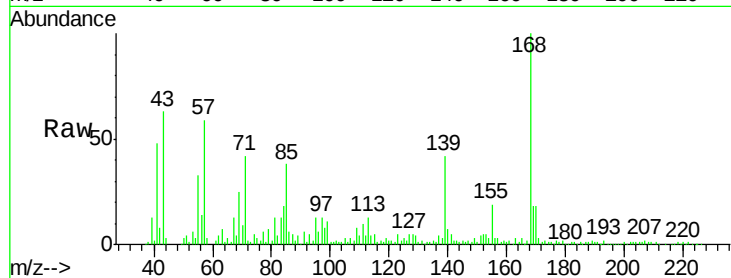
ClientSampleId :

Tot Ion:168 Resp: 272468

Ion Ratio Lower Upper

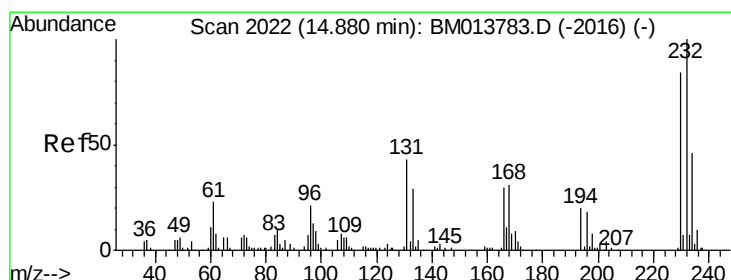
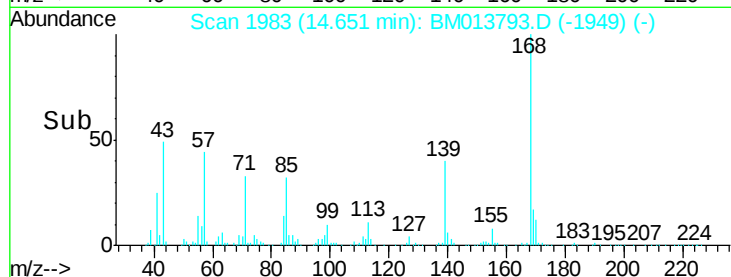
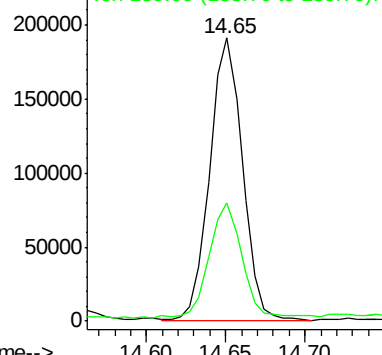
168 100

139 41.9 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: 10.186 ng/ul

RT: 14.89 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Tgt Ion:232 Resp: 78509

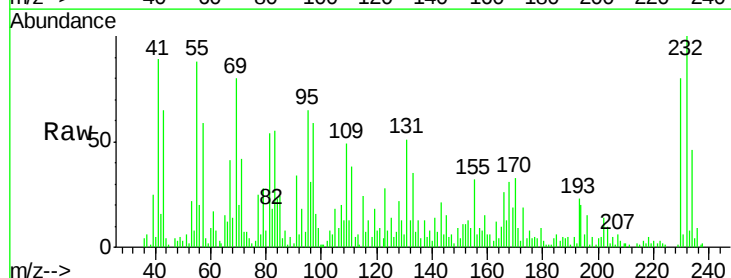
Ion Ratio Lower Upper

232 100

131 51.5 29.0 43.4#

130 6.3 2.0 3.0#

166 25.7 21.4 32.2

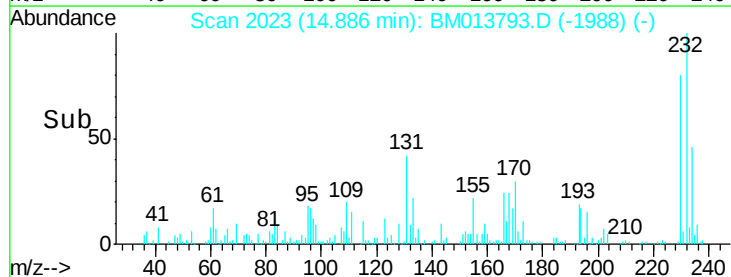
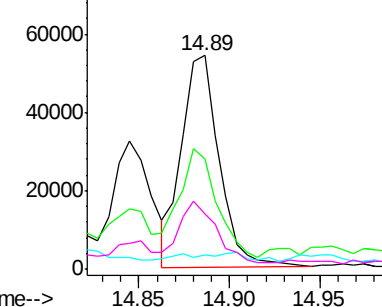


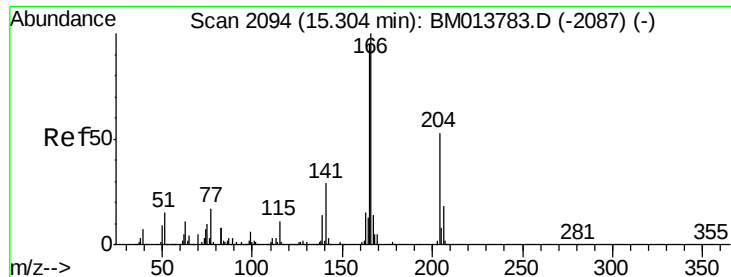
Abundance Ion 232.00 (231.70 to 232.70): E

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: 9.110 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

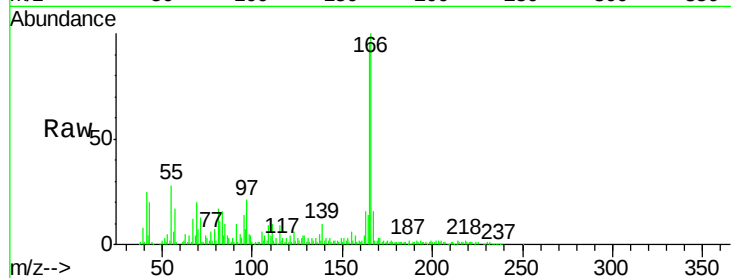
Tot Ion:166 Resp: 274513

Ion Ratio Lower Upper

166 100

165 96.1 77.9 116.9

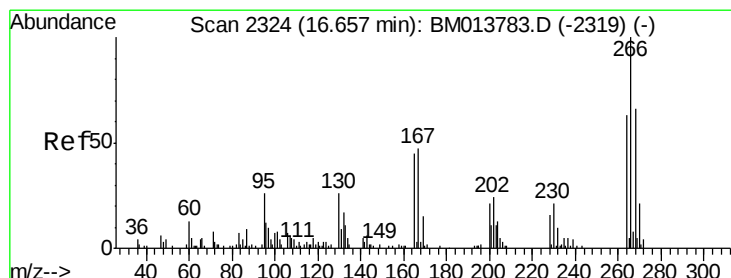
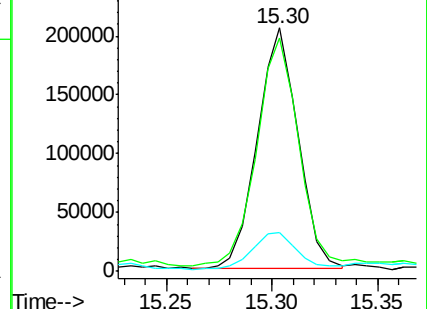
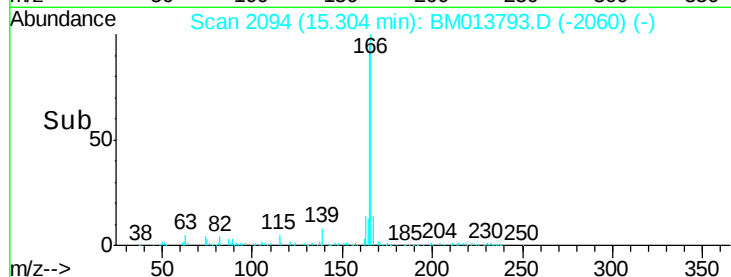
167 15.9 10.6 16.0



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



#68

Pentachlorophenol

Concen: 425.061 ng/ul

RT: 16.66 min Scan# 2325

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

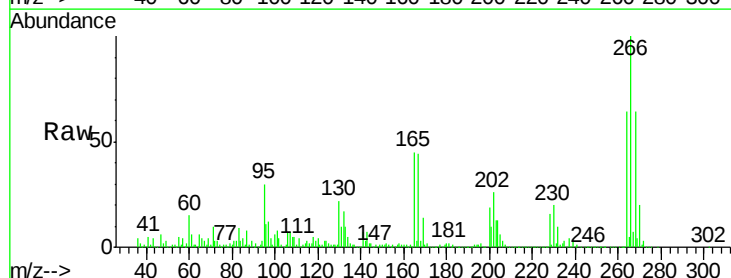
Tgt Ion:266 Resp: 2199578

Ion Ratio Lower Upper

266 100

264 64.0 49.3 73.9

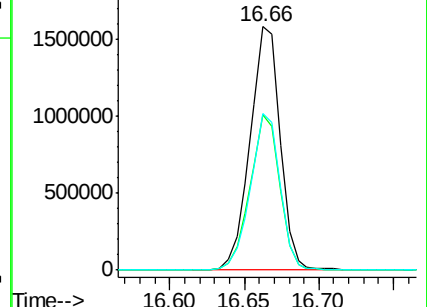
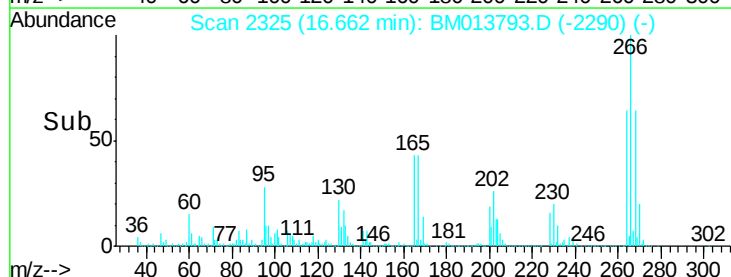
268 64.1 52.6 78.8

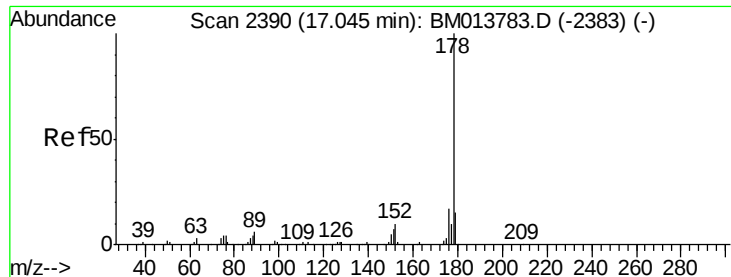


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 35.132 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

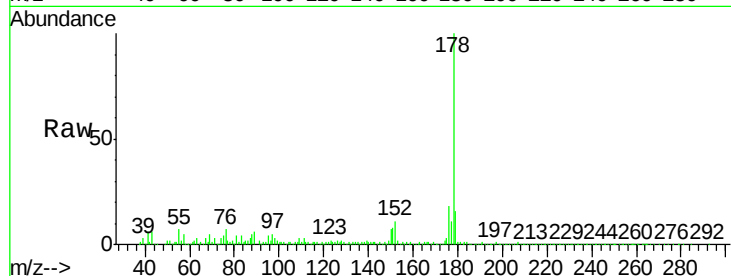
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1495816

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	18.0	14.9	22.3

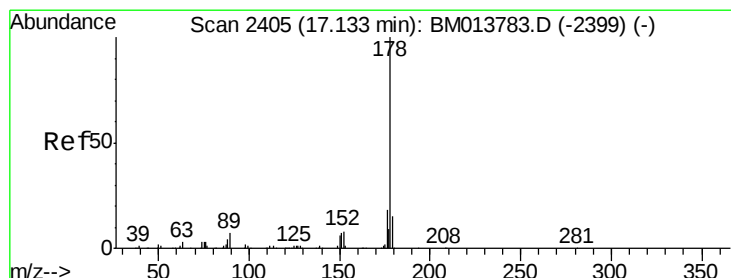
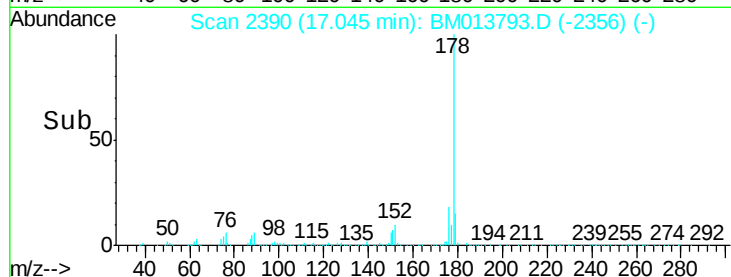
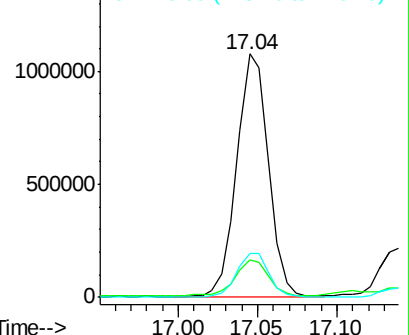


Abundance

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: 7.022 ng/ul

RT: 17.14 min Scan# 2406

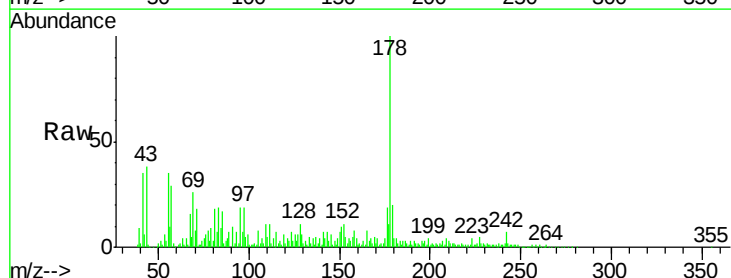
Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Tgt Ion:178 Resp: 308382

Ion	Ratio	Lower	Upper
178	100		
179	19.7	11.7	17.5#
176	19.2	14.6	21.8

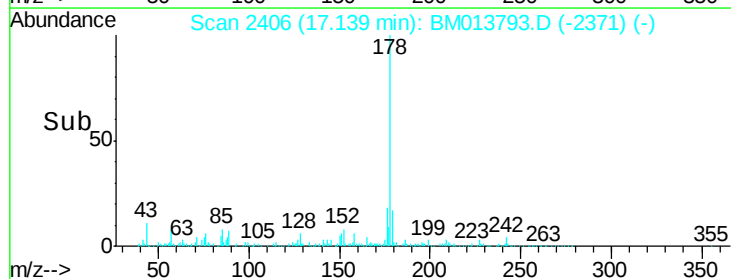
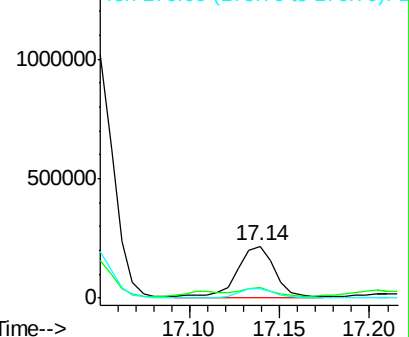


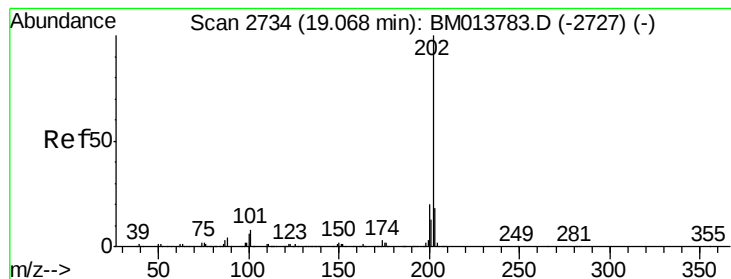
Abundance

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





#74

Fluoranthene

Concen: 109.236 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampled :

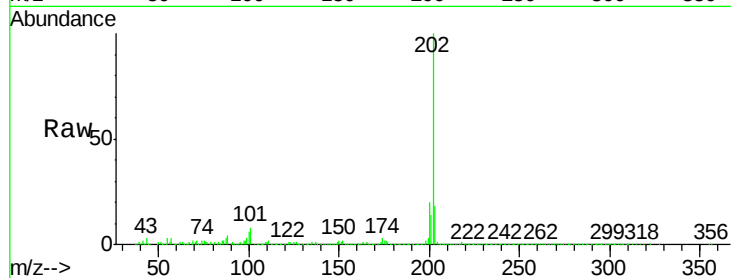
Tot Ion:202 Resp: 5551703

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

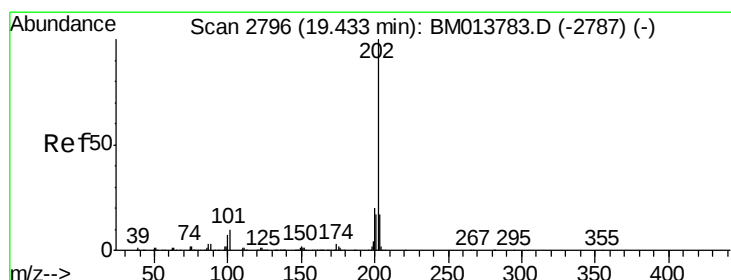
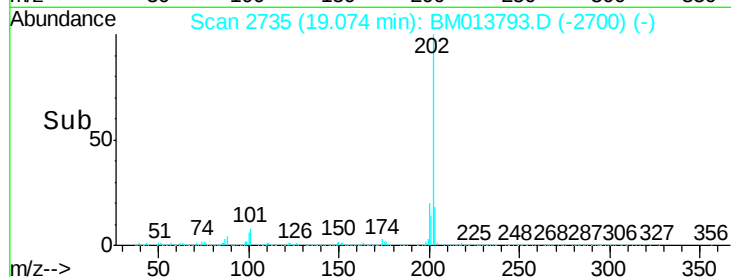
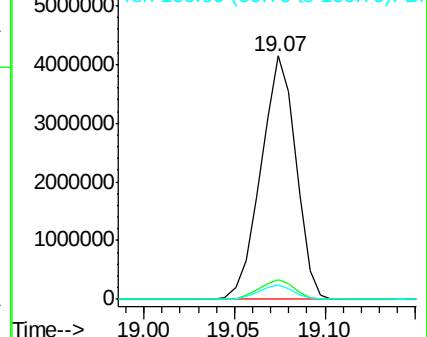
100 6.1 3.4 5.2#



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



#77

Pyrene

Concen: 88.428 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

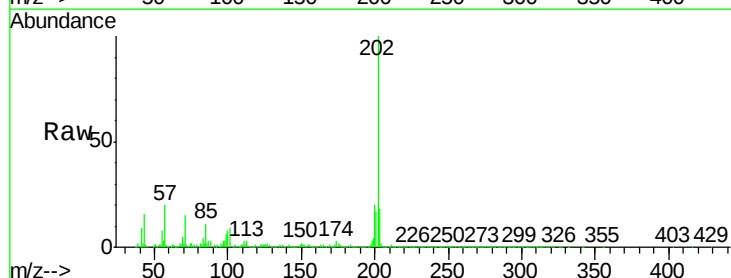
Tgt Ion:202 Resp: 4278859

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

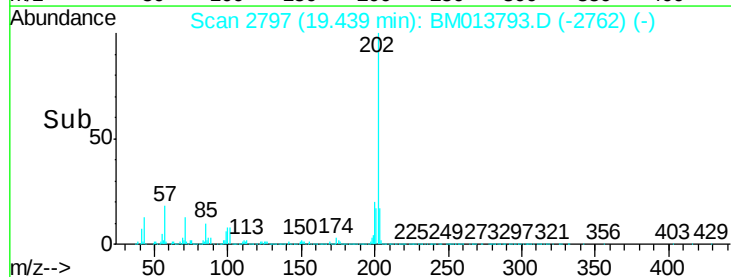
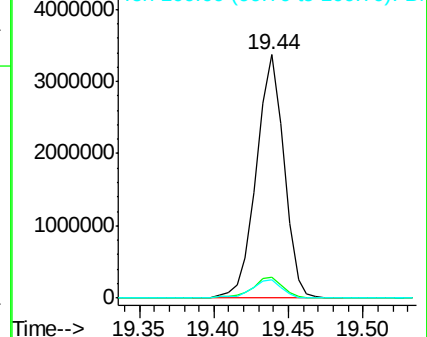
100 7.6 4.9 7.3#

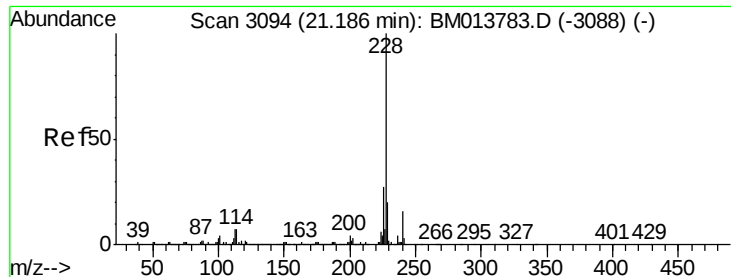


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 15.148 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

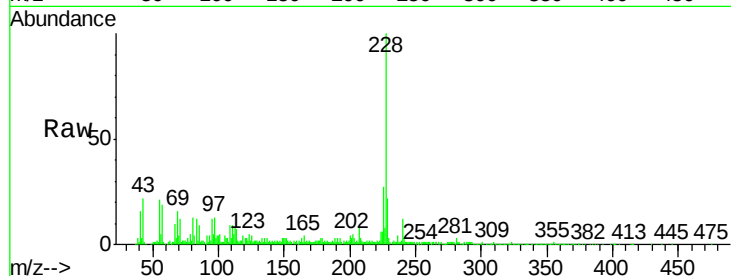
Tot Ion:228 Resp: 728560

Ion Ratio Lower Upper

228 100

229 21.9 15.4 23.0

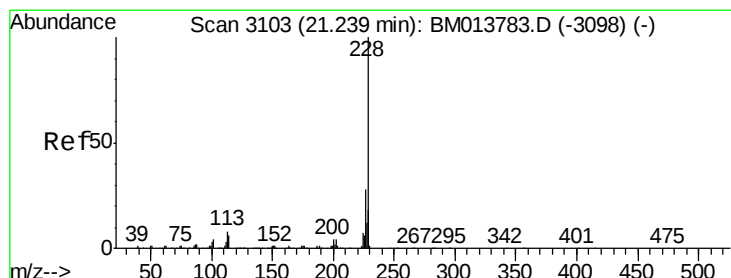
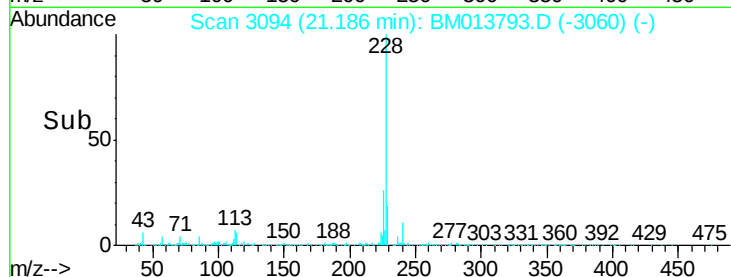
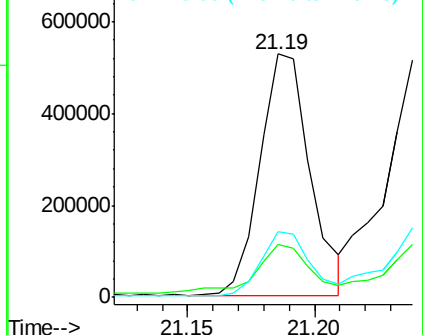
226 26.9 21.4 32.0



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: 16.805 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

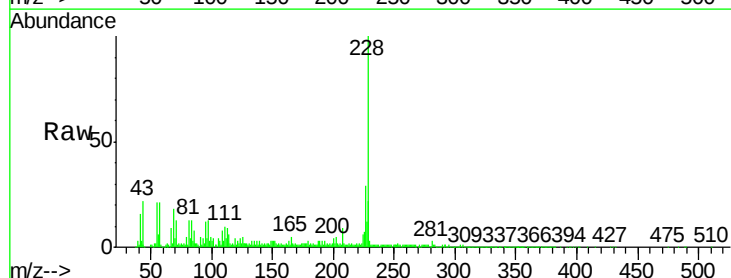
Tgt Ion:228 Resp: 741483

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

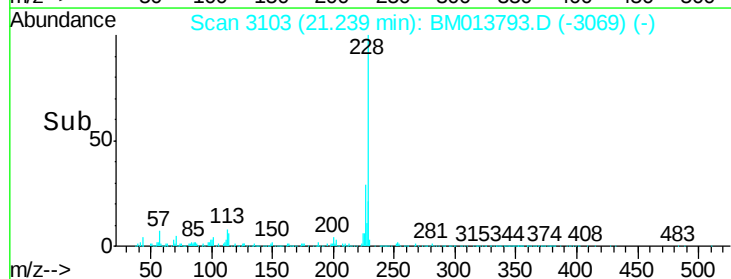
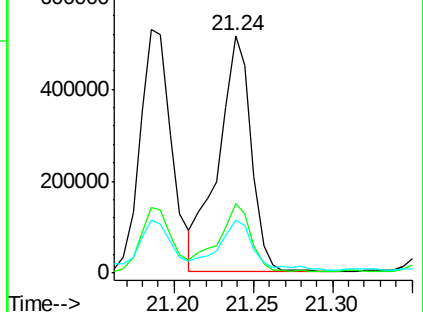
229 22.1 15.5 23.3

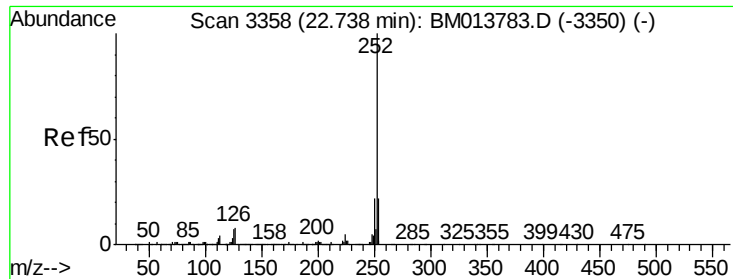


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 7.326 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampled :

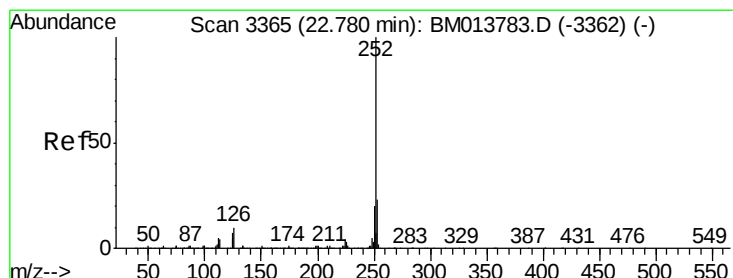
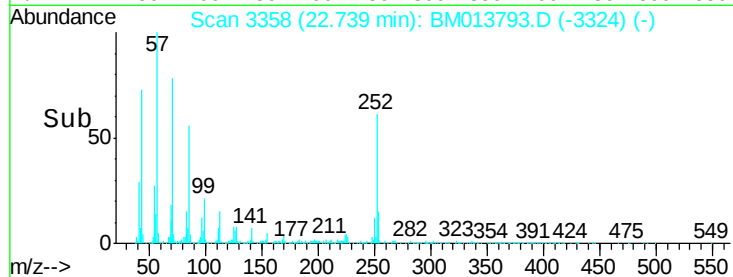
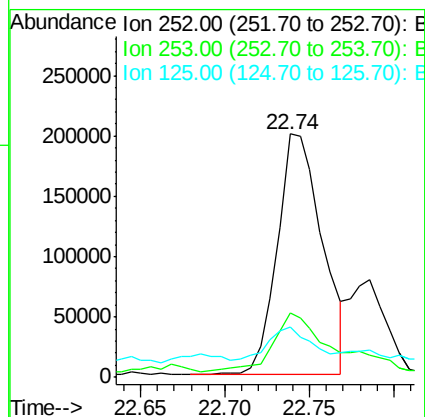
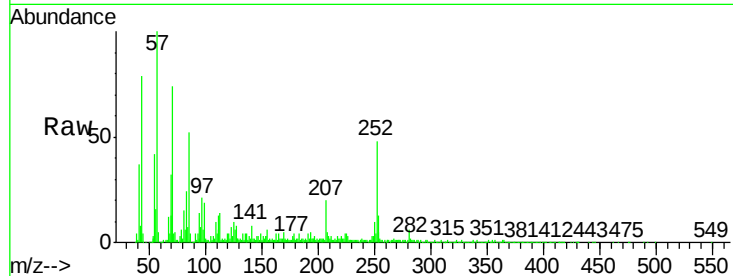
Tot Ion:252 Resp: 370028

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 20.9 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 2.426 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

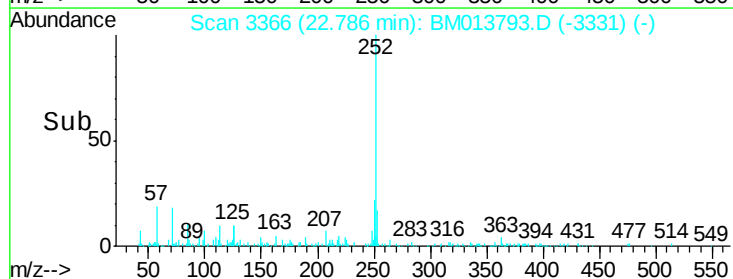
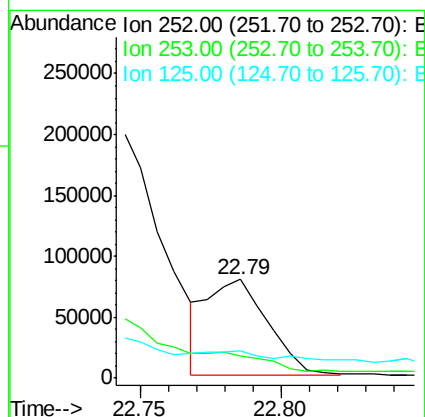
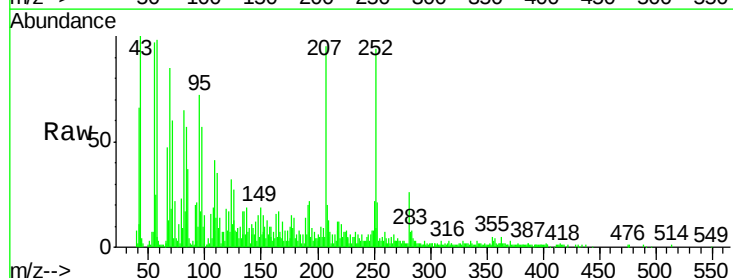
Tgt Ion:252 Resp: 118439

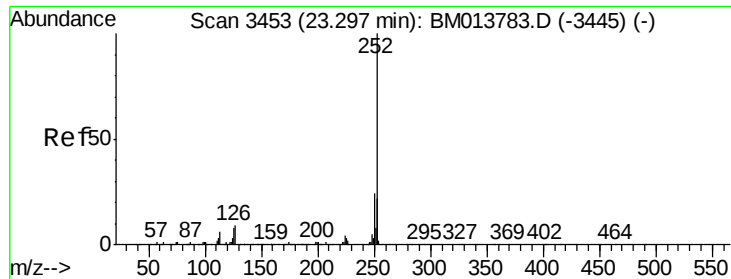
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 28.3 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 3.710 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

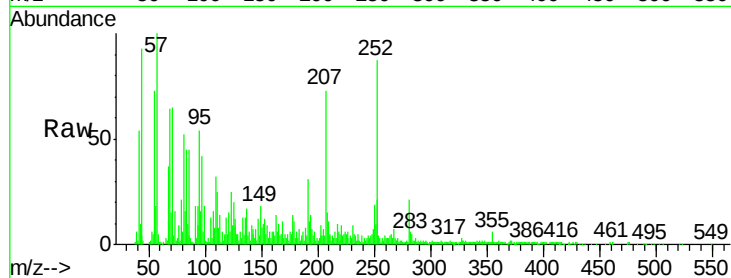
Tot Ion:252 Resp: 177008

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 22.9 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

