

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012485.D
 Acq On : 27 Oct 2017 14:19
 Operator : SJ/JU
 Sample : I5719-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 28 00:17:08 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	458537	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1683685	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	953585	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	2040340	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	2765250	20.00	ng/ul	0.01
83) Perylene-d12	23.75	264	3241130	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	13541	1.51	ng/uL	0.00
5) Phenol-d5	7.05	99	281015	7.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	171684	7.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	229116	7.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	225040	6.87	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	98501	9.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	103429	9.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	230490	8.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	71599	2.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	667502	8.01	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	824783	8.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	74945	6.05	ng/ul	0.00
57) Fluorene-d10	15.50	176	569586	8.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	17197	1.74	ng/ul	0.01
70) Anthracene-d10	17.35	188	872801	8.98	ng/ul	0.00
76) Pyrene-d10	19.64	212	992514	7.82	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	1189303	7.72	ng/ul	0.02

Target Compounds

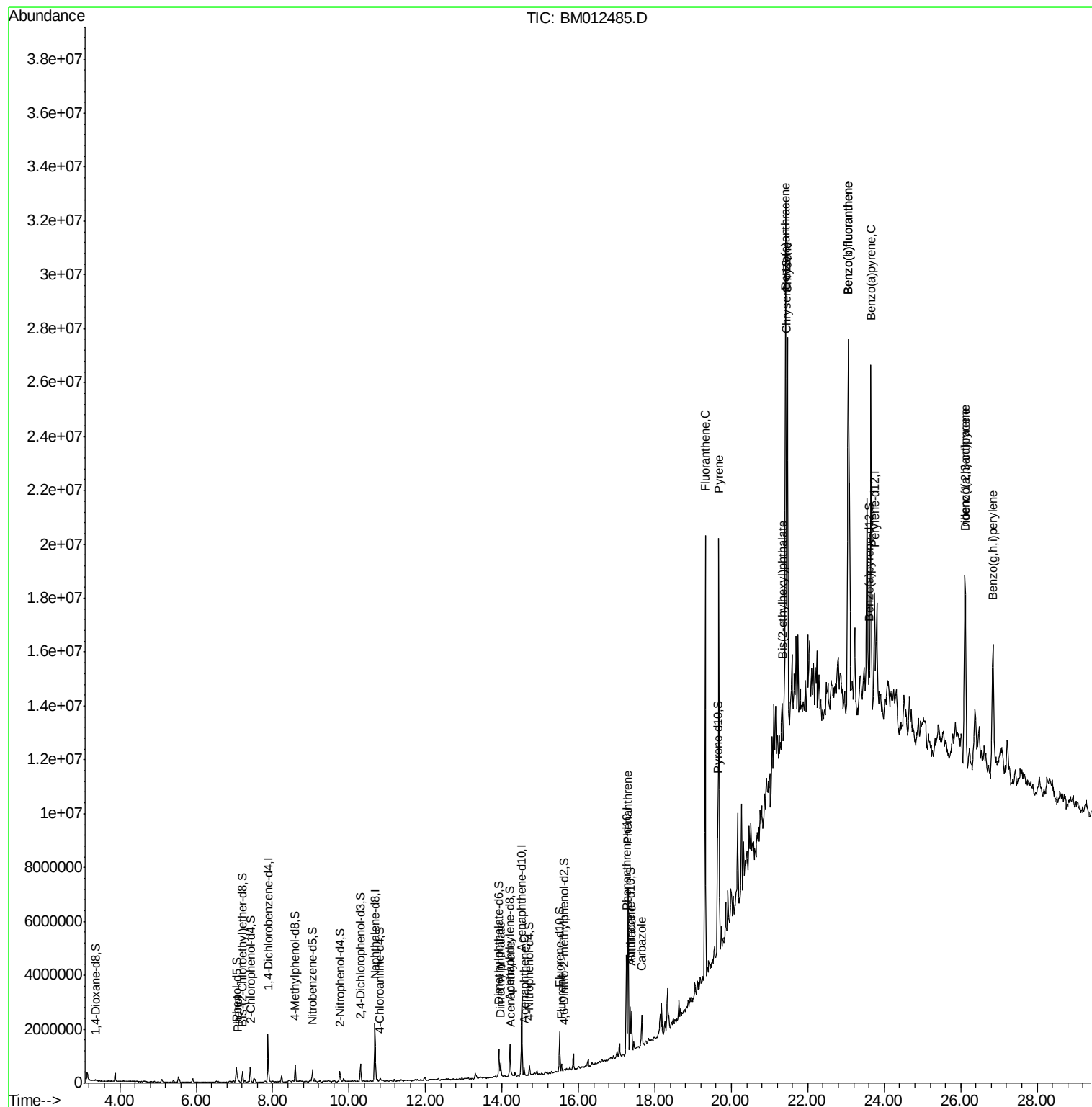
						Ovalue
6) Phenol	7.08	94	84682	2.12	ng/ul#	87
44) Dimethylphthalate	13.96	163	320796	3.89	ng/ul	99
47) Acenaphthylene	14.23	152	123640	1.31	ng/ul#	96
49) Acenaphthene	14.57	153	113118	1.76	ng/ul	96
58) Fluorene	15.56	166	115269	1.43	ng/ul#	94
69) Phenanthrene	17.30	178	3583434	32.48	ng/ul	99
71) Anthracene	17.39	178	936481	8.21	ng/ul	99
72) Carbazole	17.66	167	708884	7.50	ng/ul	99
74) Fluoranthene	19.32	202	10331510	82.63	ng/ul#	94
77) Pyrene	19.67	202	9522687	60.56	ng/ul#	92
80) Benzo(a)anthracene	21.42	228	8514811	51.42	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.34	149	408141	4.33	ng/ul#	91
82) Chrysene	21.47	228	7555300	51.32	ng/ul	95
85) Benzo(b)fluoranthene	23.06	252	13500365	67.38	ng/ul#	96
86) Benzo(k)fluoranthene	23.06	252	13500365	71.59	ng/ul#	94
88) Benzo(a)pyrene	23.65	252	10158528	53.18	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.11	276	6884305	30.62	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.11	278	1907467	10.01	ng/ul#	81
91) Benzo(g,h,i)perylene	26.84	276	5977826	32.81	ng/ul#	93

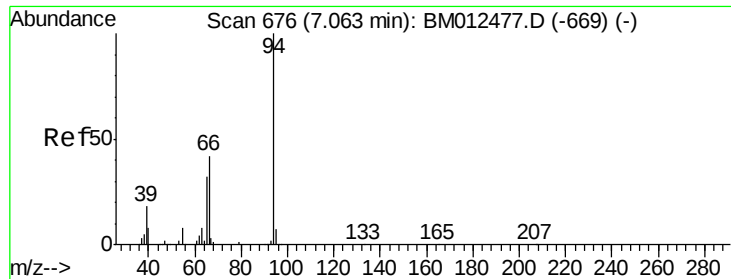
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.12 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

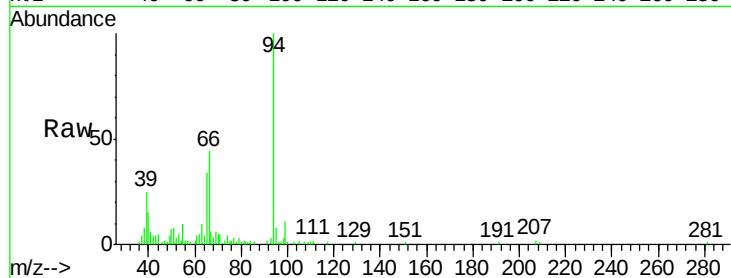
Tot Ion: 94 Resp: 84682

Ion Ratio Lower Upper

94 100

65 33.7 28.2 42.4

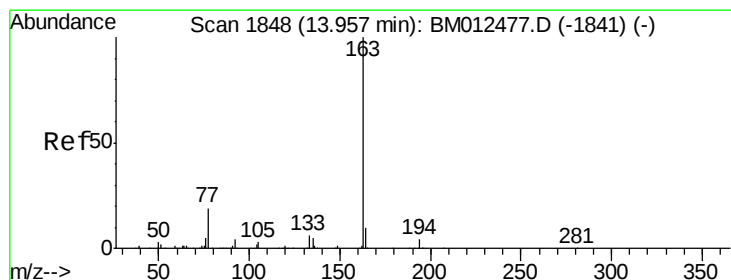
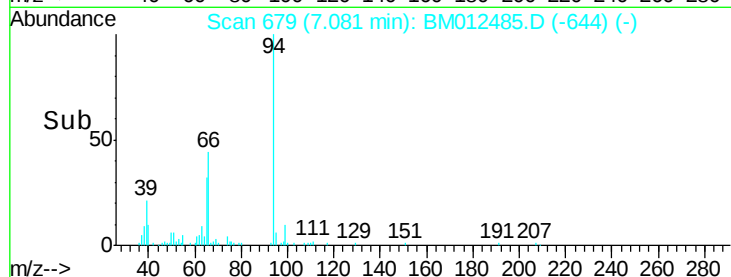
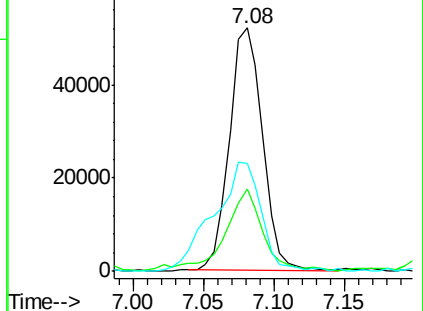
66 44.4 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012477.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM012477.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM012477.D (-669) (-)



#44

Dimethylphthalate

Concen: 3.89 ng/ul

RT: 13.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

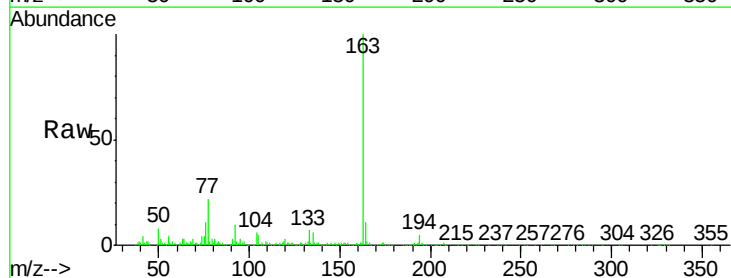
Tgt Ion: 163 Resp: 320796

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

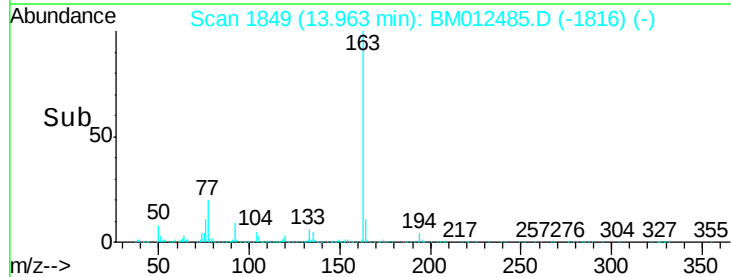
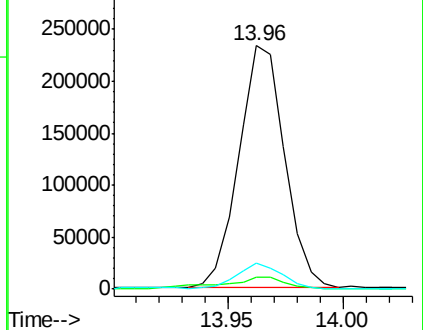
164 10.5 8.2 12.4

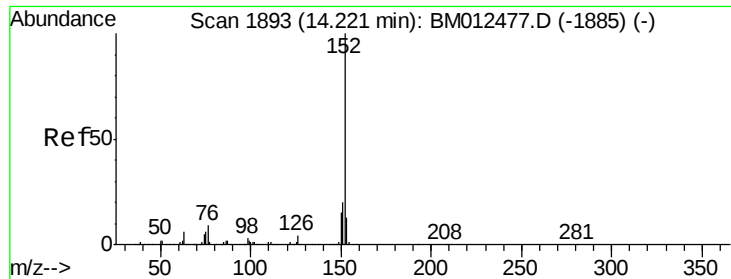


Abundance Ion 163.00 (162.70 to 163.70): BM012477.D (-1841) (-)

Ion 194.00 (193.70 to 194.70): BM012477.D (-1841) (-)

Ion 164.00 (163.70 to 164.70): BM012477.D (-1841) (-)





#47

Acenaphthylene

Concen: 1.31 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

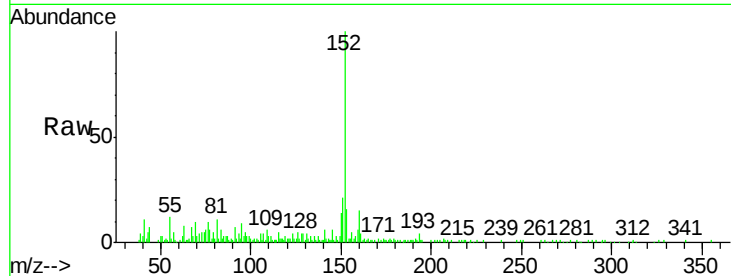
Tot Ion:152 Resp: 123640

Ion Ratio Lower Upper

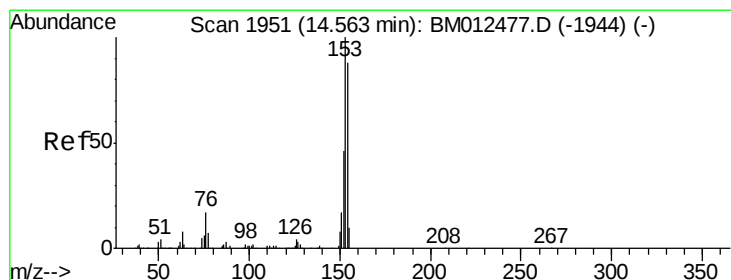
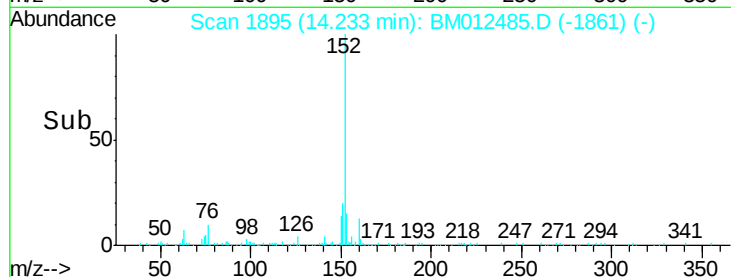
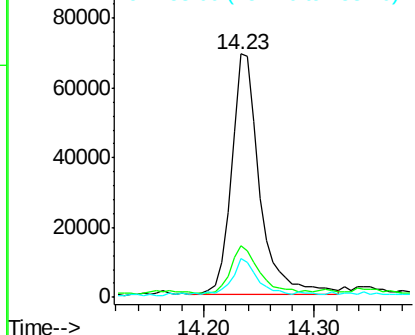
152 100

151 21.0 16.3 24.5

153 15.7 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 1.76 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

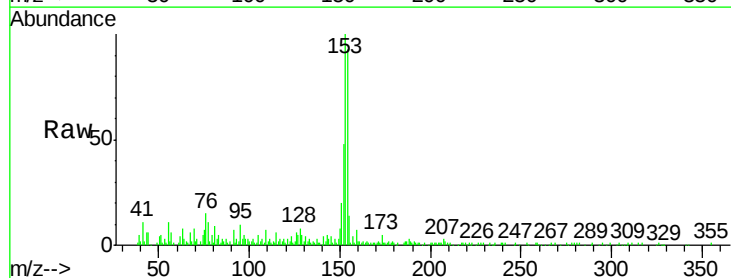
Tgt Ion:153 Resp: 113118

Ion Ratio Lower Upper

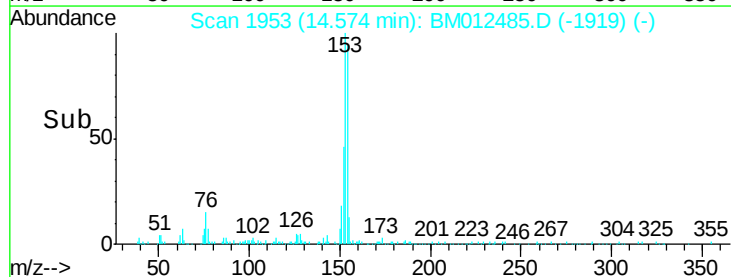
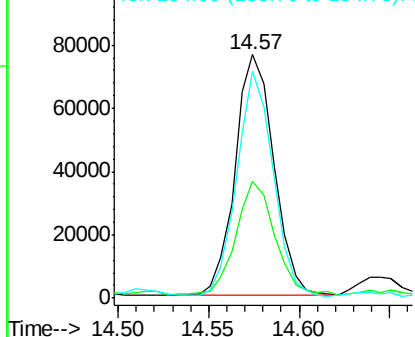
153 100

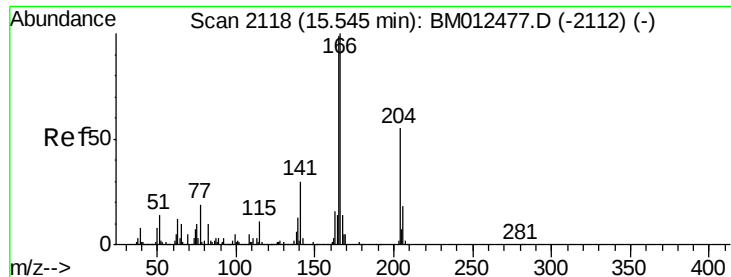
152 48.1 37.6 56.4

154 93.3 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

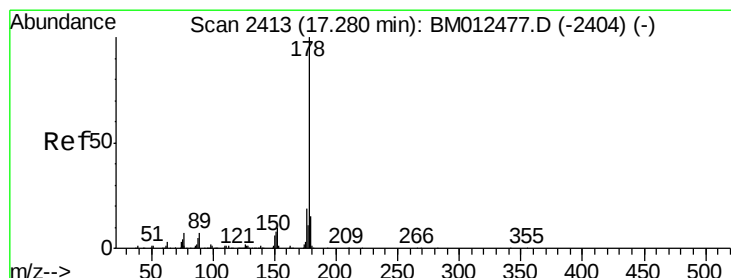
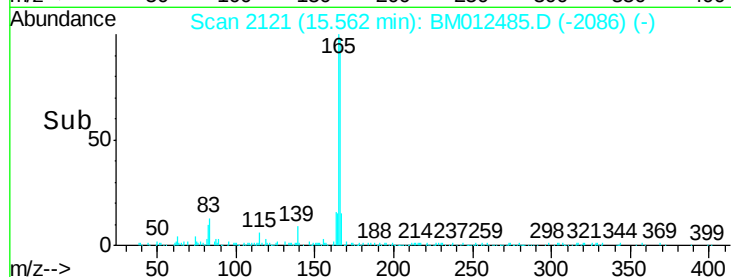
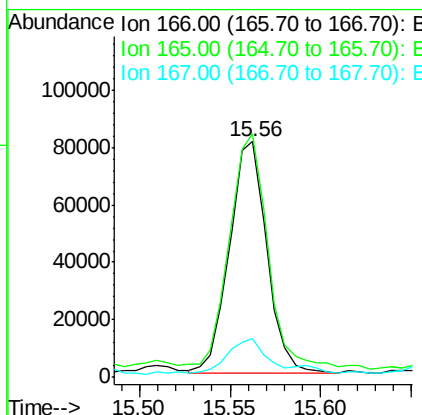
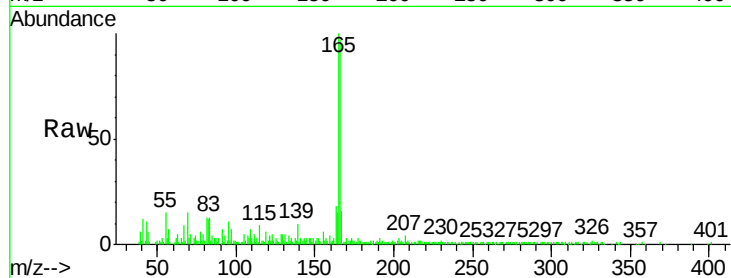




#58
 Fluorene
 Concen: 1.43 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BM012485.D
 Acq: 27 Oct 2017 14:19

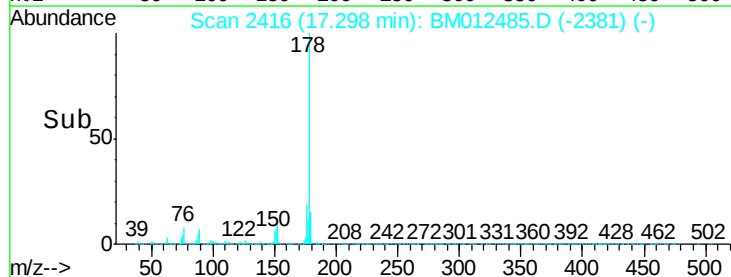
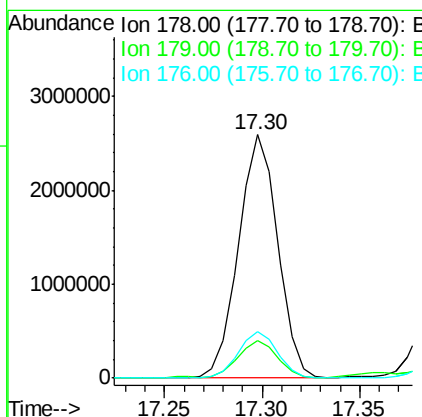
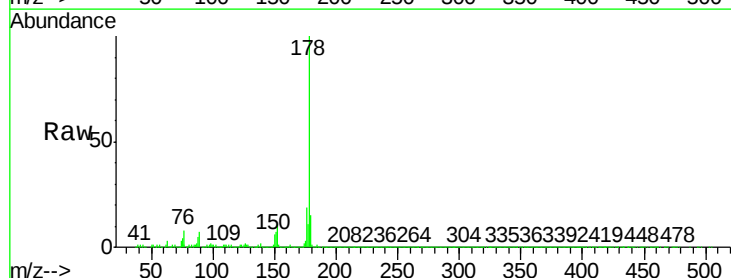
Instrument :
 BNA_M
 ClientSampled :

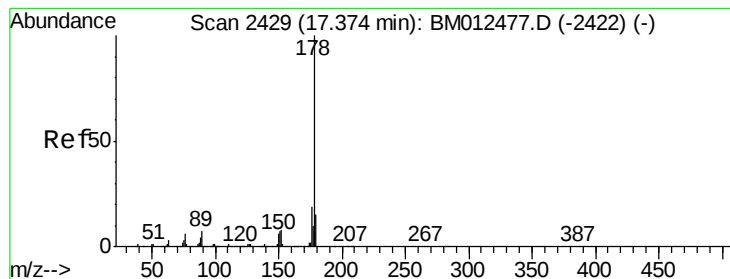
Tot Ion:166 Resp: 115269
 Ion Ratio Lower Upper
 166 100
 165 103.3 77.9 116.9
 167 16.5 10.6 16.0#



#69
 Phenanthrene
 Concen: 32.48 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.01 min
 Lab File: BM012485.D
 Acq: 27 Oct 2017 14:19

Tgt Ion:178 Resp: 3583434
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.6 19.0
 176 18.9 14.9 22.3





#71

Anthracene

Concen: 8.21 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

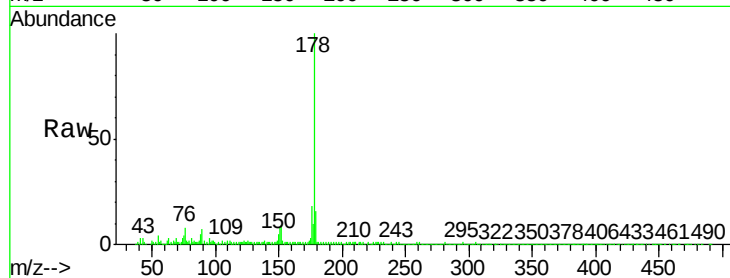
Tot Ion:178 Resp: 936481

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

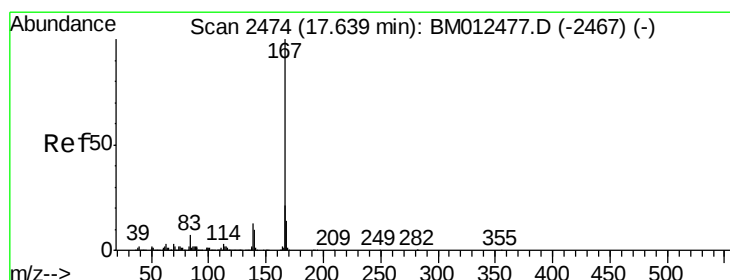
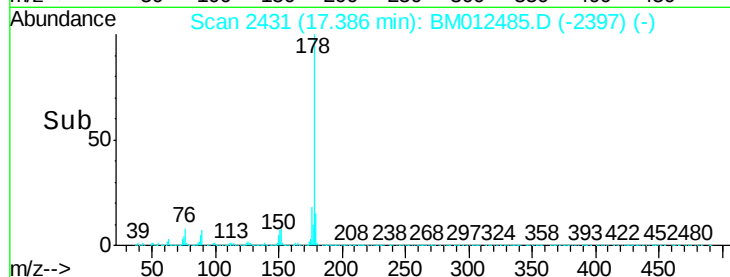
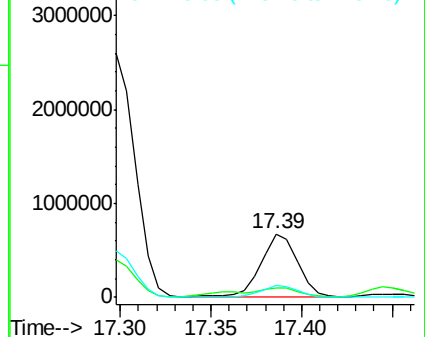
176 18.3 14.6 21.8



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: 7.50 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

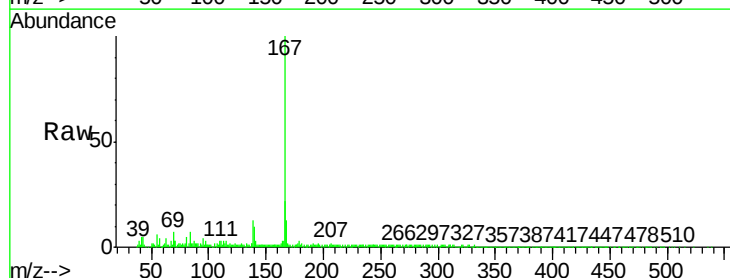
Tgt Ion:167 Resp: 708884

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

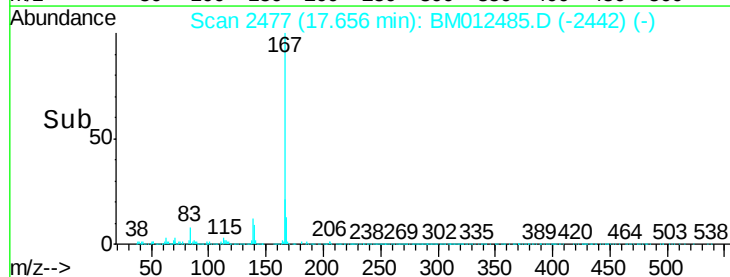
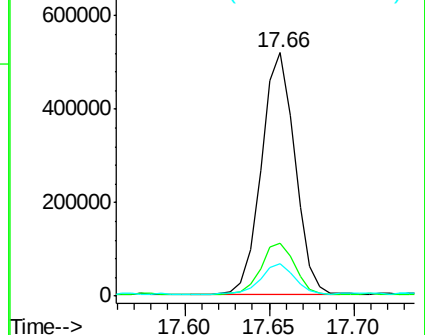
139 13.1 10.0 15.0

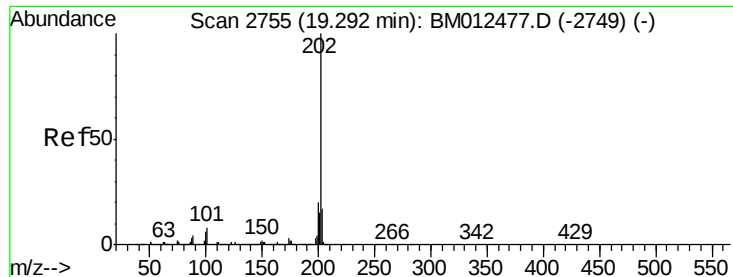


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

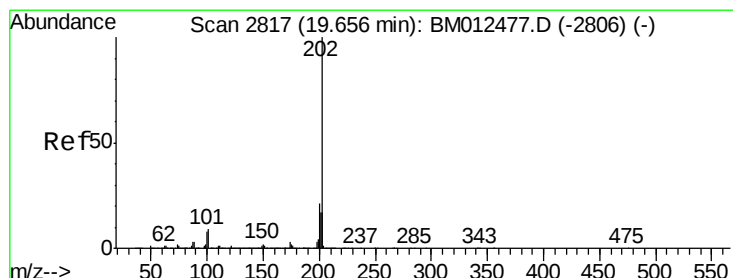
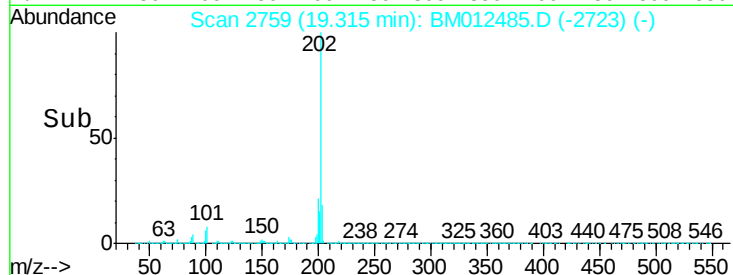
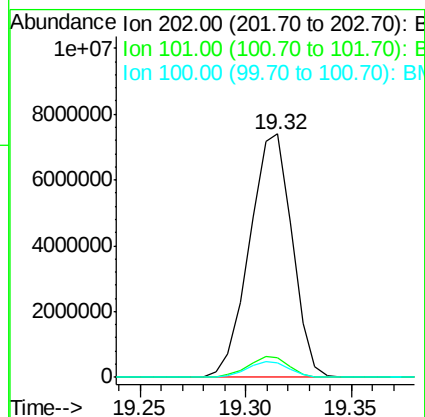
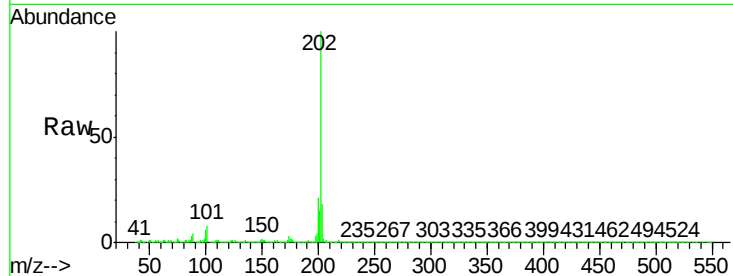




#74
 Fluoranthene
 Concen: 82.63 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. 0.01 min
 Lab File: BM012485.D
 Acq: 27 Oct 2017 14:19

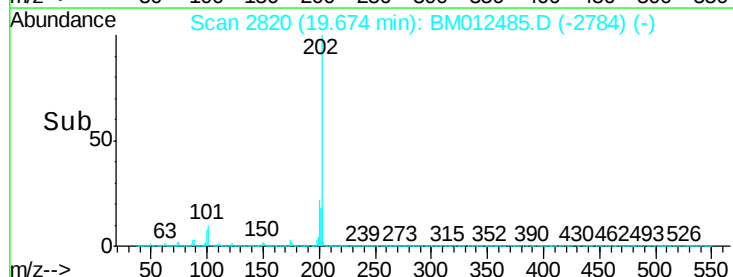
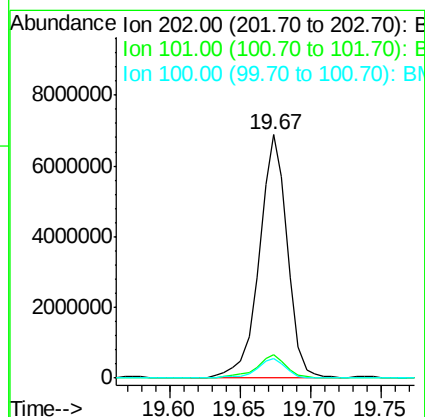
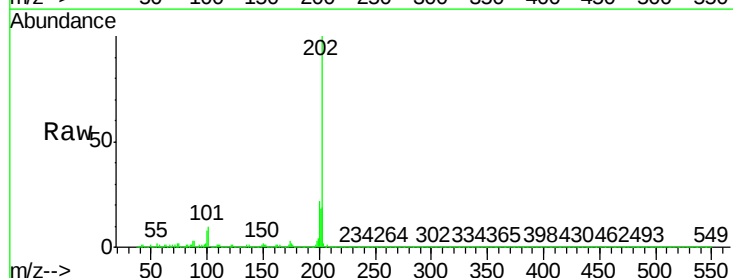
Instrument :
 BNA_M
 ClientSampleId :

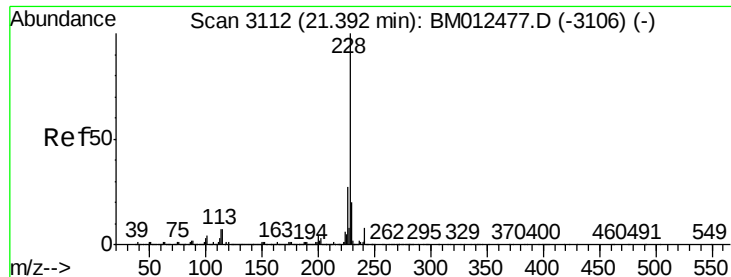
Tot Ion:202 Resp:10331510
 Ion Ratio Lower Upper
 202 100
 101 7.8 4.6 7.0#
 100 6.2 3.4 5.2#



#77
 Pyrene
 Concen: 60.56 ng/ul
 RT: 19.67 min Scan# 2820
 Delta R.T. 0.01 min
 Lab File: BM012485.D
 Acq: 27 Oct 2017 14:19

Tgt Ion:202 Resp: 9522687
 Ion Ratio Lower Upper
 202 100
 101 9.8 5.1 7.7#
 100 8.2 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 51.42 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

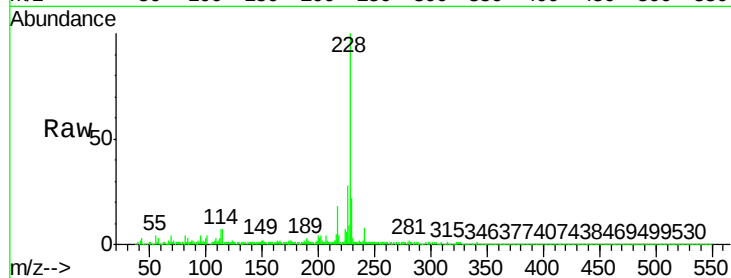
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 8514811

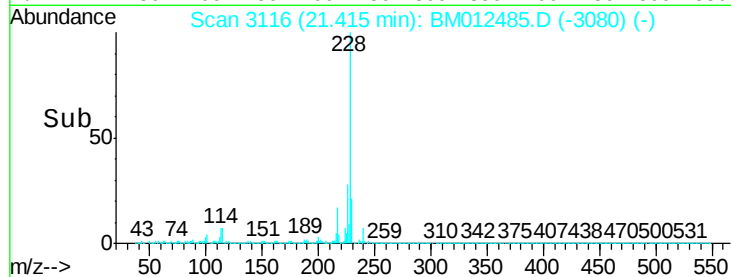
Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.4	23.0
226	28.2	21.4	32.0



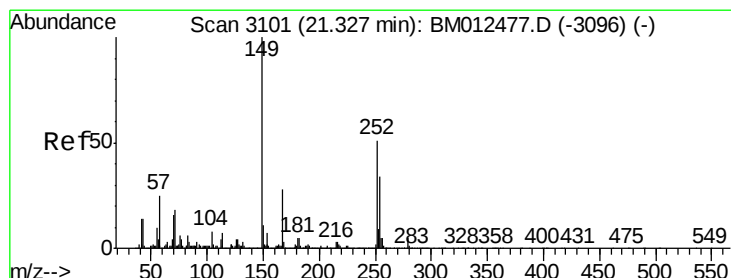
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#81

Bis(2-ethylhexyl)phthalate

Concen: 4.33 ng/ul

RT: 21.34 min Scan# 3103

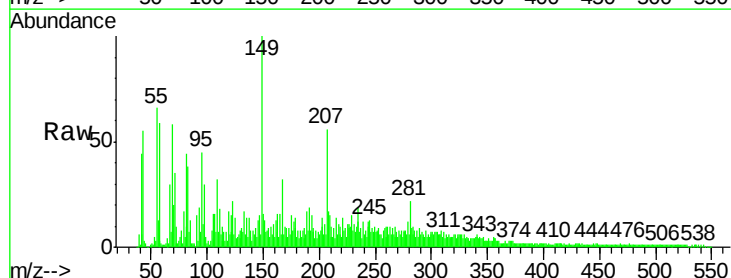
Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Tgt Ion:149 Resp: 408141

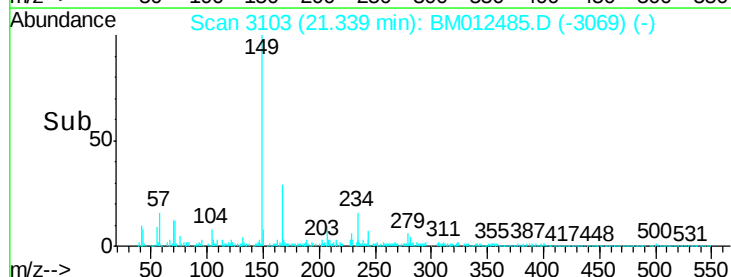
Ion	Ratio	Lower	Upper
149	100		
167	32.1	22.8	34.2
279	11.6	4.9	7.3#



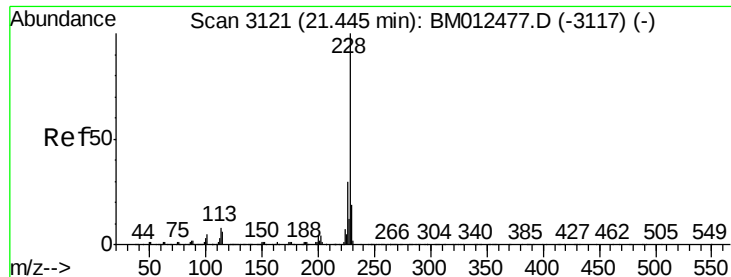
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#82

Chrysene

Concen: 51.32 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

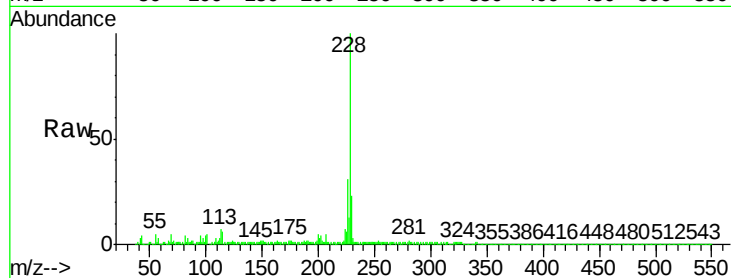
Tot Ion:228 Resp: 7555300

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.2	15.5	23.3

228 100

226 30.8 23.4 35.2

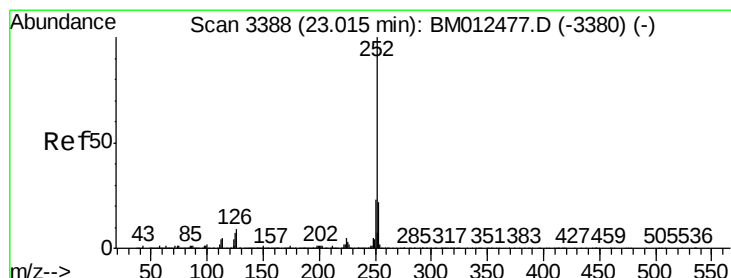
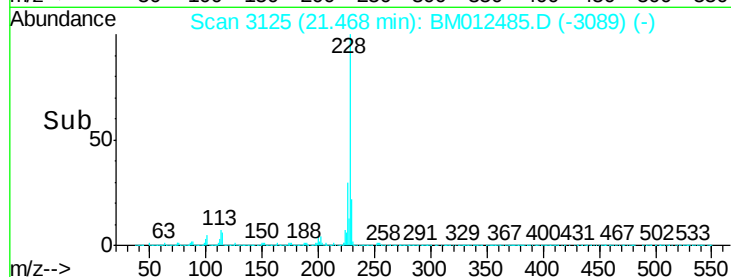
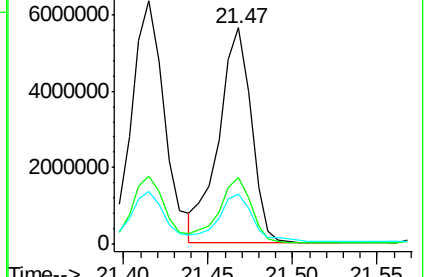
229 23.2 15.5 23.3



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: 67.38 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. 0.02 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

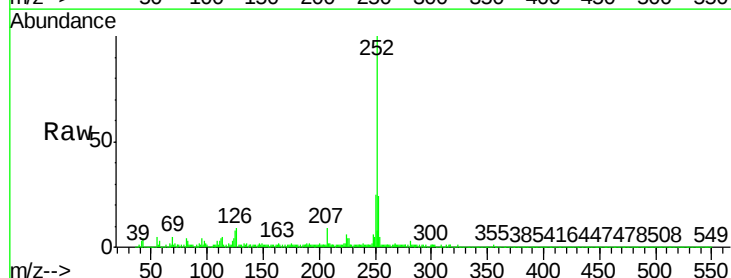
Tgt Ion:252 Resp:13500365

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.0	3.6	5.4

252 100

253 23.7 17.9 26.9

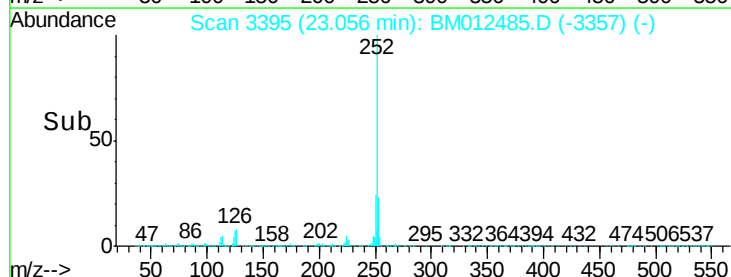
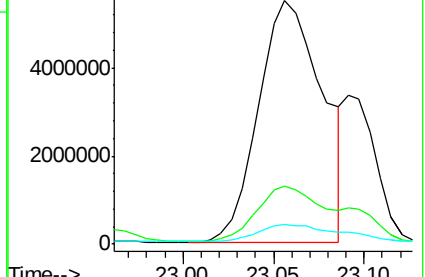
125 8.0 3.6 5.4

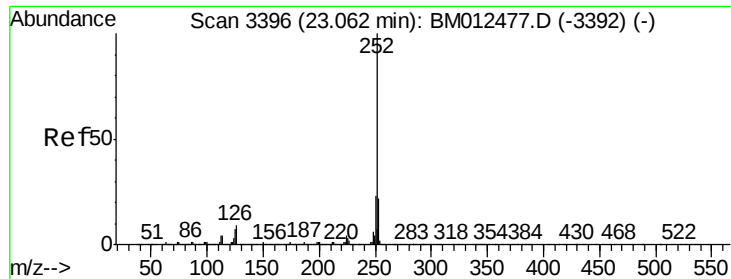


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

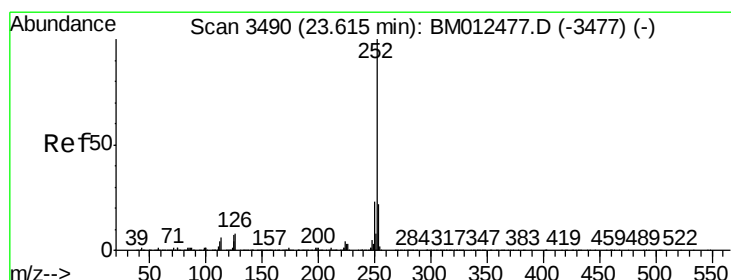
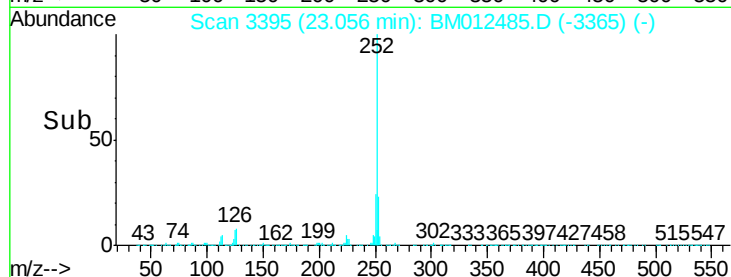
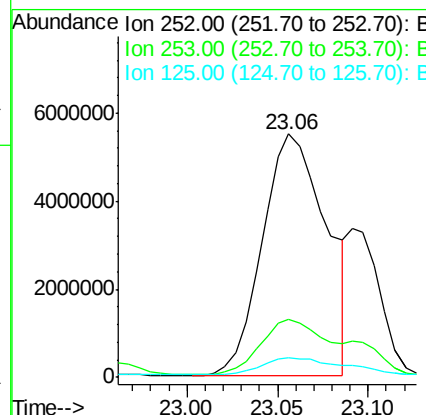
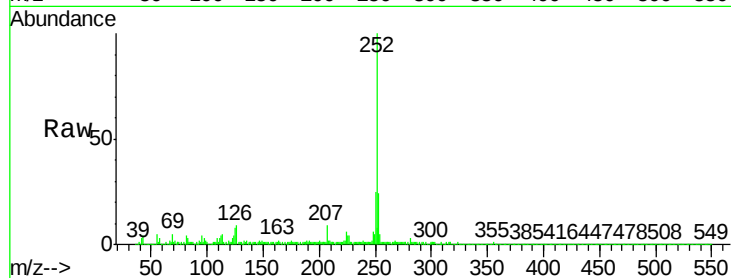




#86
Benzo(k)fluoranthene
Concen: 71.59 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.02 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

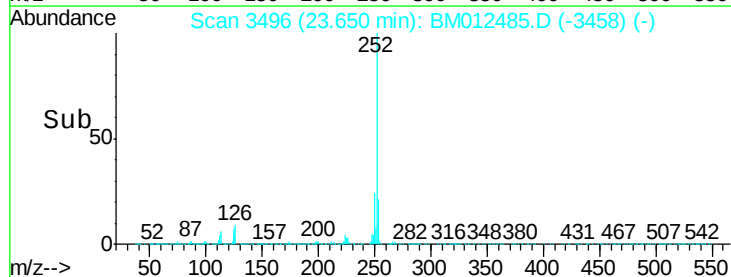
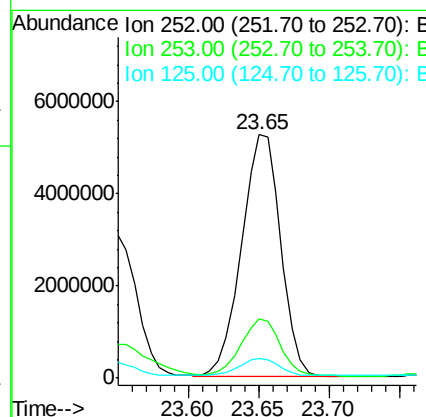
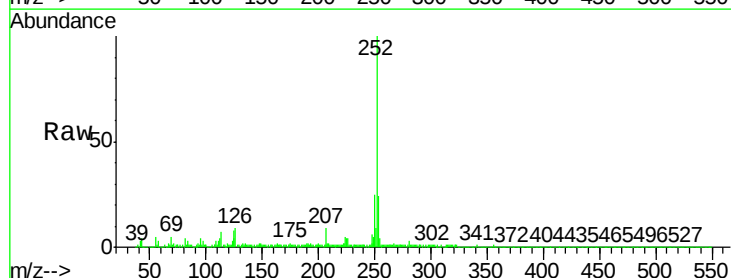
Instrument :
BNA_M
ClientSampleId :

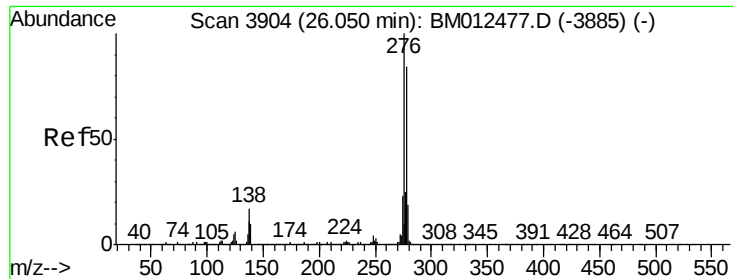
Tot Ion:252 Resp:13500365
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 8.0 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 53.18 ng/ul
RT: 23.65 min Scan# 3496
Delta R.T. 0.02 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

Tgt Ion:252 Resp:10158528
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 8.2 4.0 6.0#



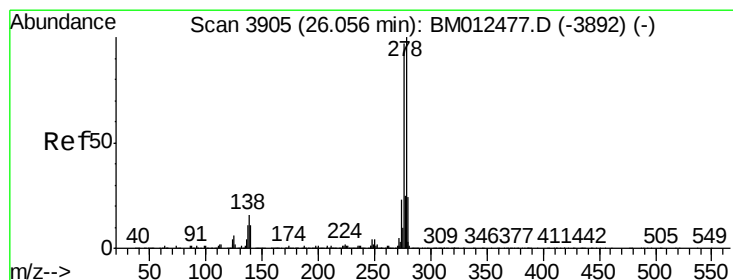
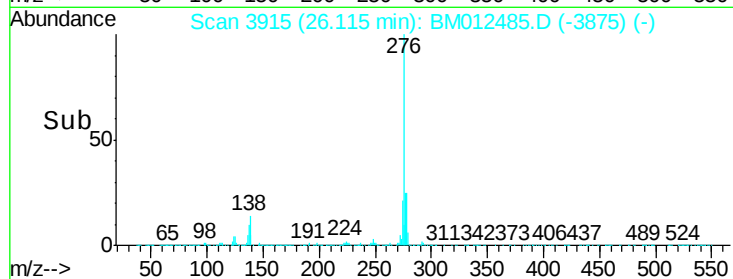
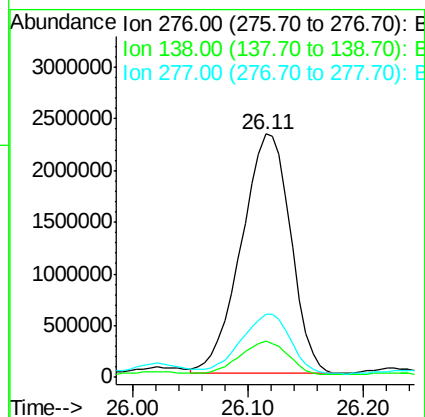
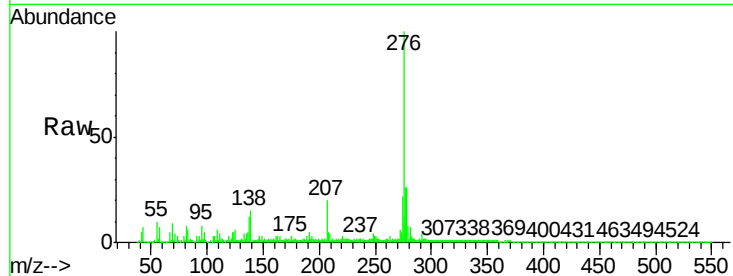


#89

Indeno(1,2,3-cd)pyrene
Concen: 30.62 ng/ul
RT: 26.11 min Scan# 3915
Delta R.T. 0.04 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

Instrument :
BNA_M
ClientSampleId :

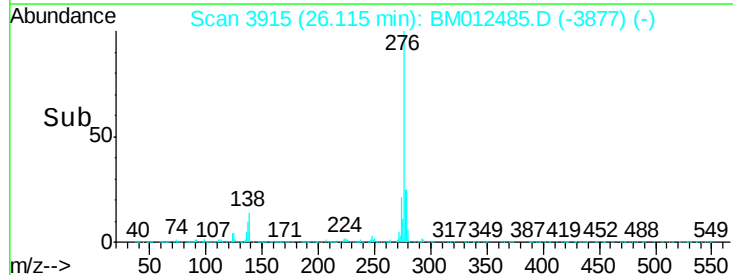
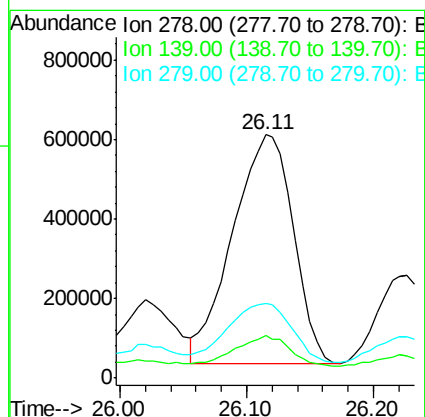
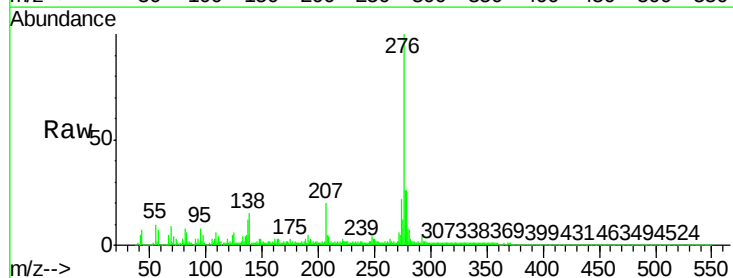
Tot Ion:276 Resp: 6884305
Ion Ratio Lower Upper
276 100
138 14.7 9.3 13.9#
277 25.9 19.9 29.9

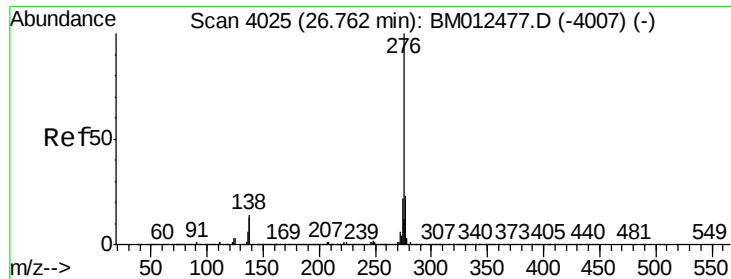


#90

Dibenzo(a,h)anthracene
Concen: 10.01 ng/ul
RT: 26.11 min Scan# 3915
Delta R.T. 0.02 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

Tgt Ion:278 Resp: 1907467
Ion Ratio Lower Upper
278 100
139 17.7 5.8 8.8#
279 30.7 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 32.81 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

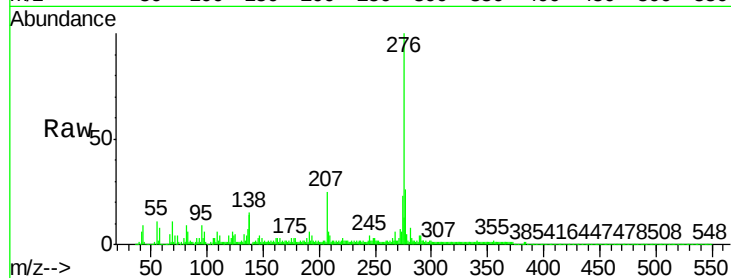
Tot Ion:276 Resp: 5977826

Ion Ratio Lower Upper

276 100

138 14.6 8.5 12.7#

277 26.0 18.6 28.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

