

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012486.D
 Acq On : 27 Oct 2017 14:55
 Operator : SJ/JU
 Sample : I5719-08MS 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 28 00:17:30 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	447347	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1665858	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	923548	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	2032504	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	2504873	20.00	ng/ul	0.00
83) Perylene-d12	23.75	264	2831302	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	8962	1.02	ng/uL	0.00
5) Phenol-d5	7.05	99	187460	5.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	118039	5.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	152507	5.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	152573	4.78	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	70229	6.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	68474	6.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	154353	5.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	65985	2.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	446367	5.53	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	569213	5.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	52498	4.38	ng/ul	0.00
57) Fluorene-d10	15.50	176	388875	5.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	5456	0.55	ng/ul	0.01
70) Anthracene-d10	17.35	188	602455	6.22	ng/ul	0.00
76) Pyrene-d10	19.64	212	683863	5.95	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	790636	5.88	ng/ul	0.02

Target Compounds

						Ovalue
6) Phenol	7.08	94	233498	6.00	ng/ul#	81
10) 2-Chlorophenol	7.45	128	156648	5.47	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.68	70	106298	3.88	ng/ul#	64
33) 4-Chloro-3-methylphenol	11.96	107	152575	4.89	ng/ul	99
44) Dimethylphthalate	13.96	163	274384	3.44	ng/ul	99
49) Acenaphthene	14.57	153	404175	6.48	ng/ul	99
52) 4-Nitrophenol	14.73	109	49822	4.09	ng/ul#	77
54) 2,4-Dinitrotoluene	14.88	165	82604	4.35	ng/ul#	79
58) Fluorene	15.56	166	97622	1.25	ng/ul	95
68) Pentachlorophenol	16.91	266	61770	4.19	ng/ul	94
69) Phenanthrene	17.30	178	3151361	28.67	ng/ul	99
71) Anthracene	17.39	178	786213	6.92	ng/ul	98
72) Carbazole	17.66	167	645228	6.86	ng/ul	97
74) Fluoranthene	19.32	202	8989147	72.18	ng/ul#	94
77) Pyrene	19.67	202	8967016	62.95	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	7156352	47.71	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.34	149	158596	1.86	ng/ul#	87
82) Chrysene	21.47	228	6769181	50.76	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	11130670	63.60	ng/ul#	97
86) Benzo(k)fluoranthene	23.06	252	11130670	67.57	ng/ul#	95
88) Benzo(a)pyrene	23.65	252	8884475	53.24	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.12	276	6003190	30.57	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.12	278	1651231	9.92	ng/ul#	84

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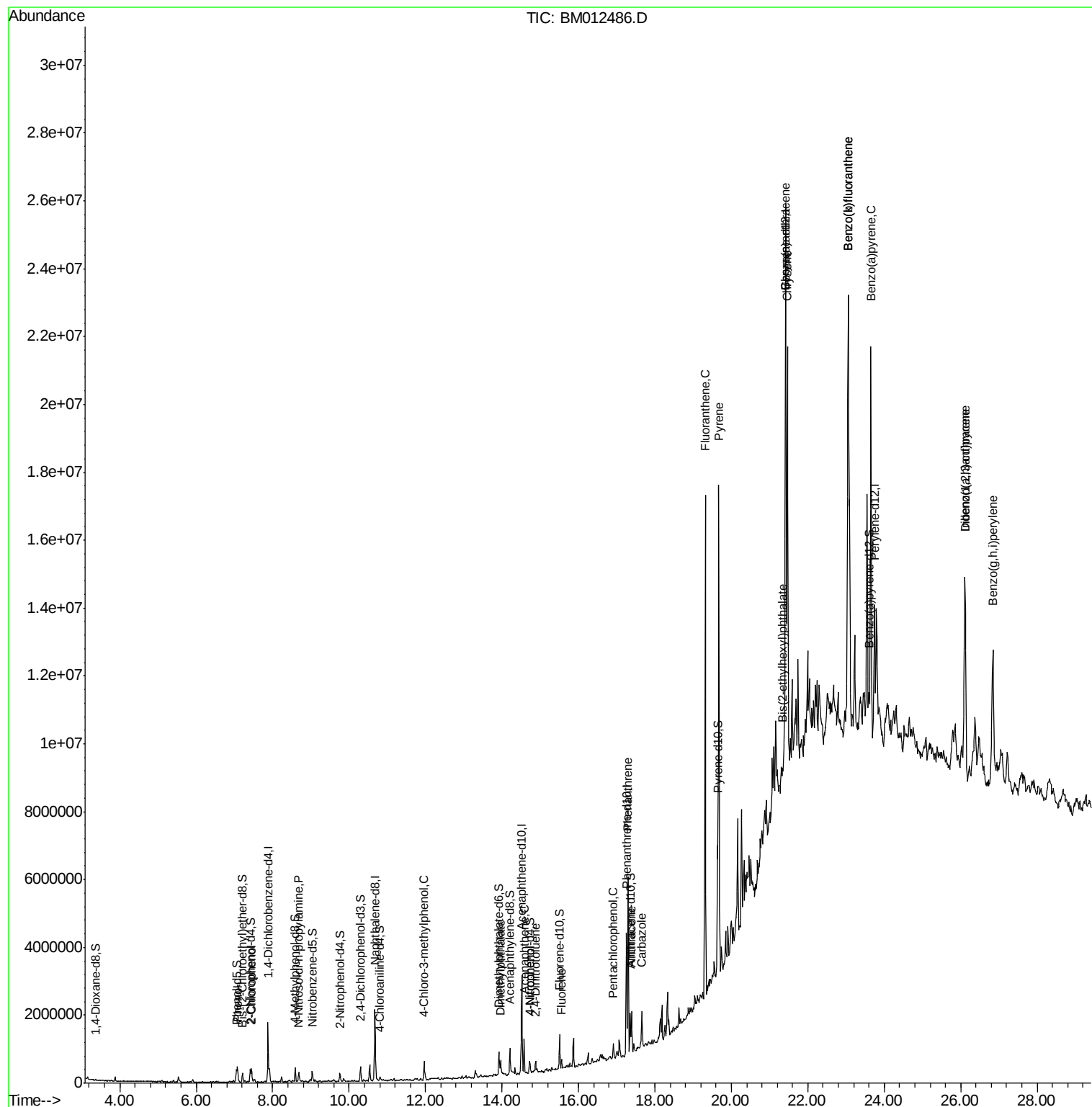
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.84	276	5165059	32.45	ng/ul#	95

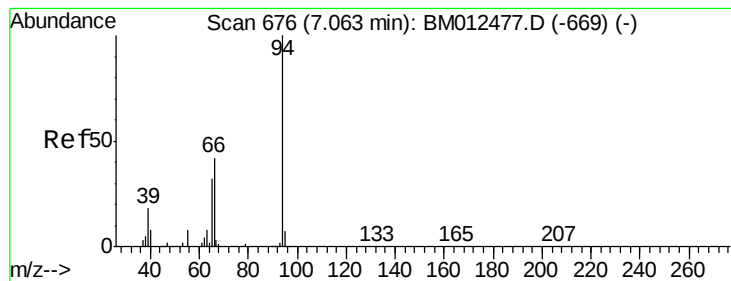
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 6.00 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampled :

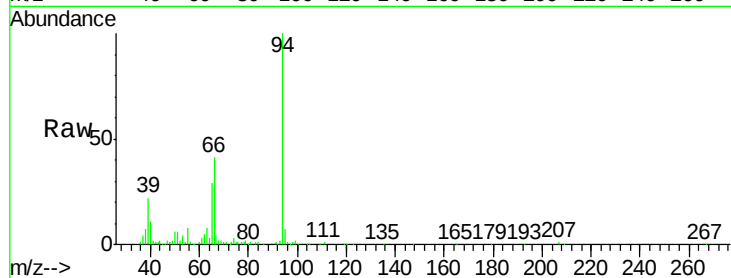
Tot Ion: 94 Resp: 233498

Ion Ratio Lower Upper

94 100

65 29.3 28.2 42.4

66 41.3 47.2 70.8#

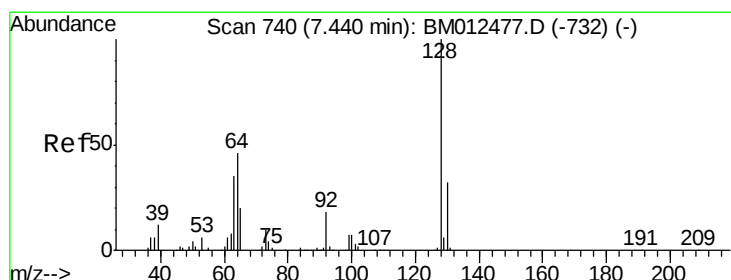
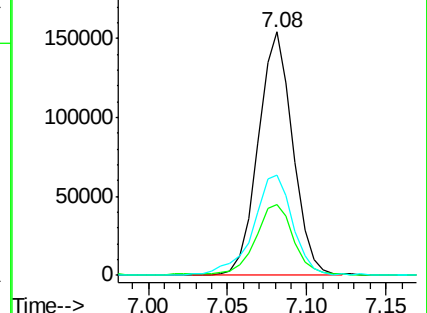
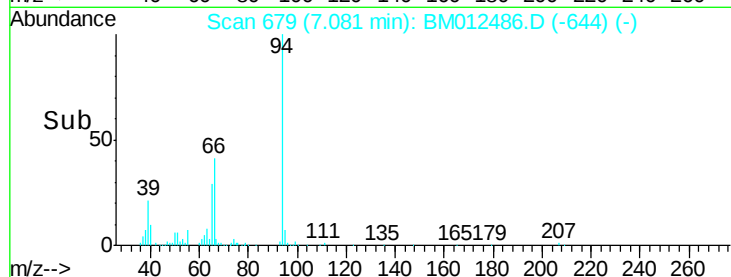


Abundance Ion 94.00 (93.70 to 94.70): BM012477.D (-669) (-)

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

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

Time-->



#10

2-Chlorophenol

Concen: 5.47 ng/ul

RT: 7.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

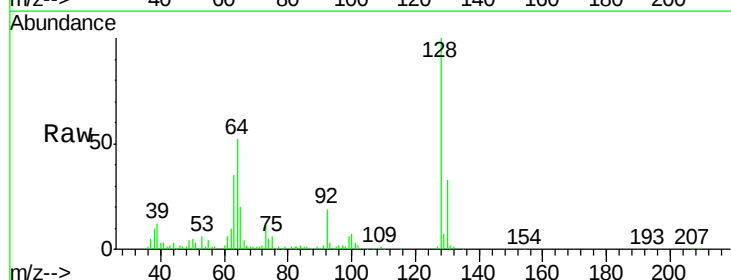
Tgt Ion:128 Resp: 156648

Ion Ratio Lower Upper

128 100

64 52.0 38.0 57.0

130 33.0 24.4 36.6

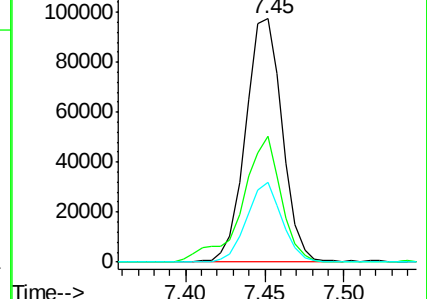
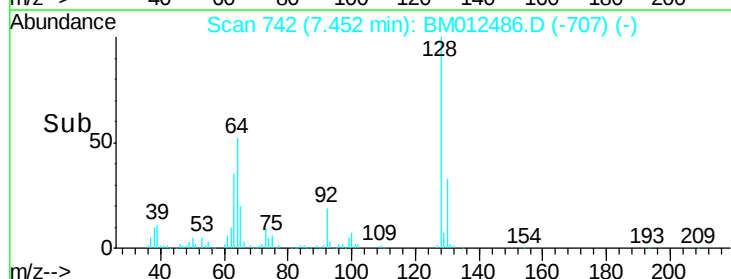


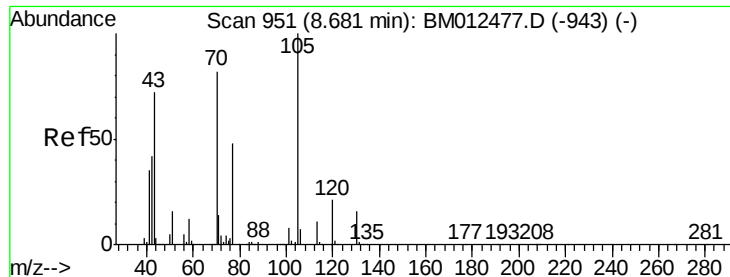
Abundance Ion 128.00 (127.70 to 128.70): BM012477.D (-732) (-)

Ion 64.00 (63.70 to 64.70): BM012477.D (-732) (-)

Ion 130.00 (129.70 to 130.70): BM012477.D (-732) (-)

Time-->





#15

N-Nitroso-di-n-propylamine

Concen: 3.88 ng/ul

RT: 8.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BM012486.D

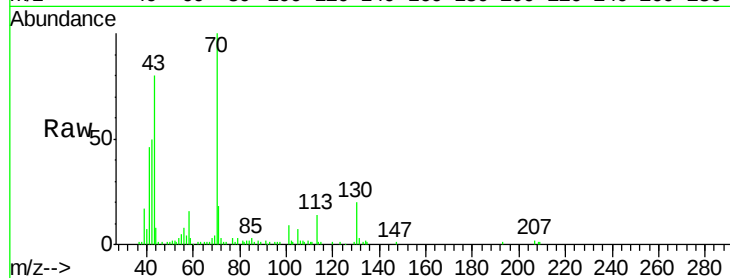
Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampled :

Tot Ion:	70	Resp:	106298
Ion	Ratio	Lower	Upper
70	100		
42	50.4	76.0	114.0#
101	9.2	6.7	10.1
130	19.5	14.6	22.0

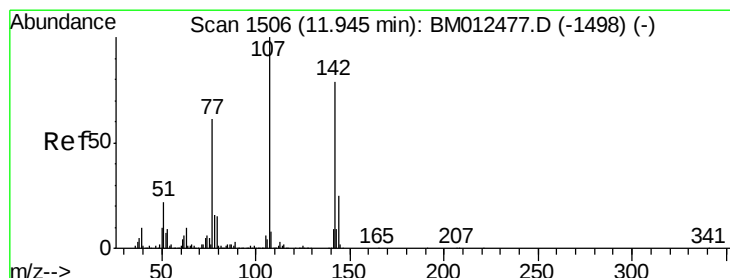
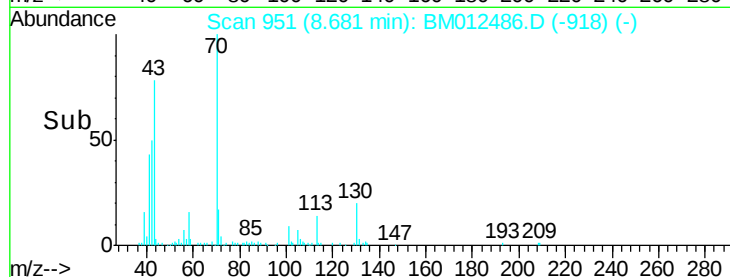
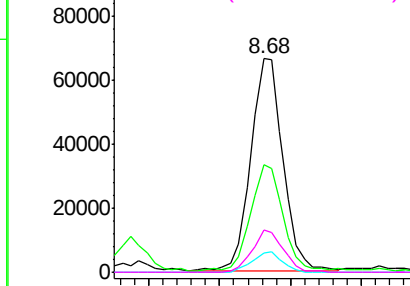


Abundance Ion 70.00 (69.70 to 70.70): BM012477.D (-943) (-)

Ion 42.00 (41.70 to 42.70): BM012477.D (-943) (-)

Ion 101.00 (100.70 to 101.70): BM012477.D (-943) (-)

Ion 130.00 (129.70 to 130.70): BM012477.D (-943) (-)



#33

4-Chloro-3-methylphenol

Concen: 4.89 ng/ul

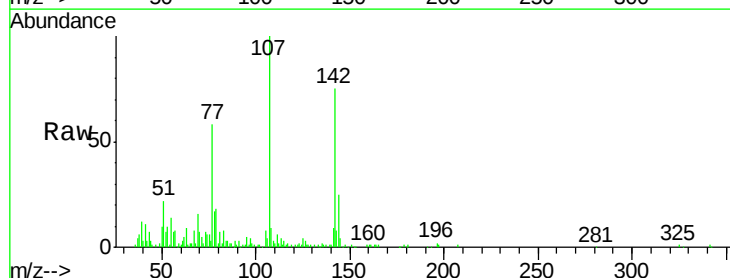
RT: 11.96 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

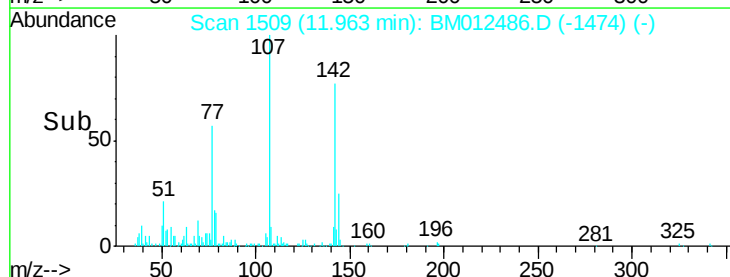
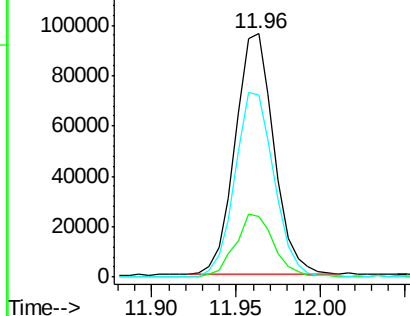
Tgt Ion:	107	Resp:	152575
Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	75.1	60.5	90.7

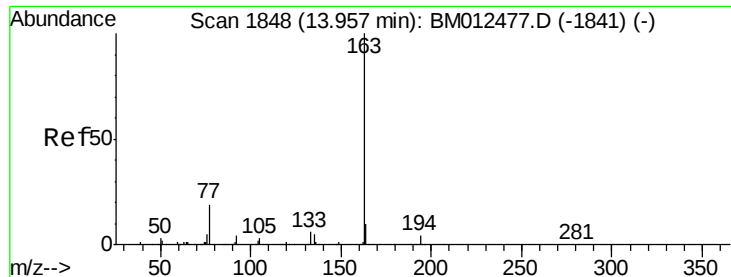


Abundance Ion 107.00 (106.70 to 107.70): BM012477.D (-1498) (-)

Ion 144.00 (143.70 to 144.70): BM012477.D (-1498) (-)

Ion 142.00 (141.70 to 142.70): BM012477.D (-1498) (-)

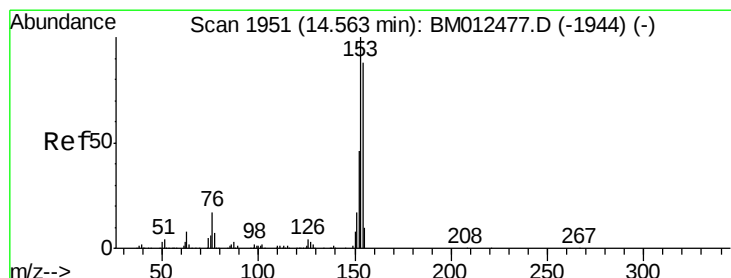
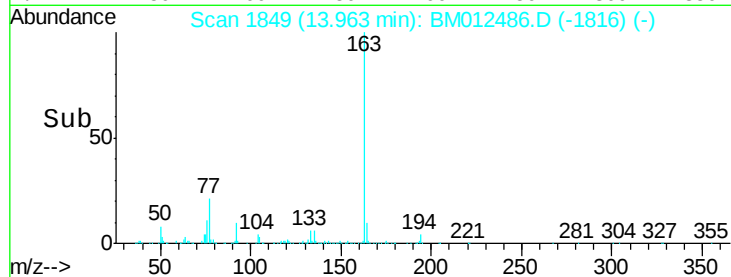
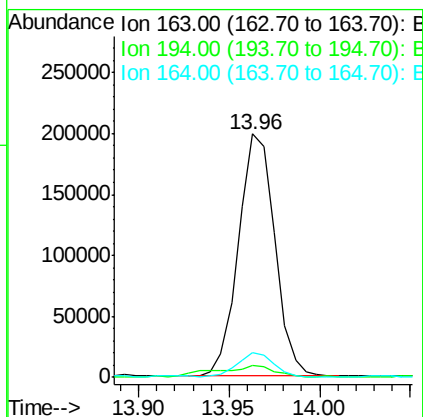
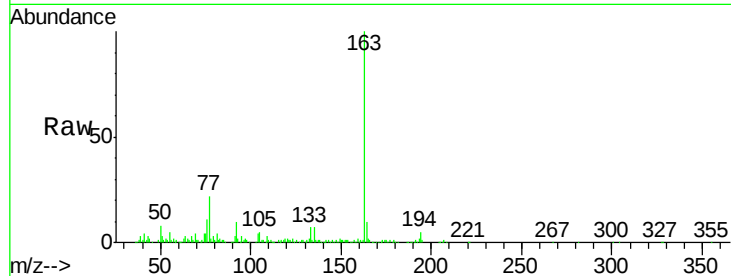




#44
Dimethylphthalate
Concen: 3.44 ng/ul
RT: 13.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

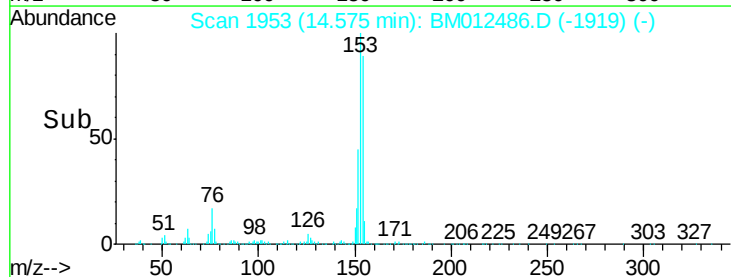
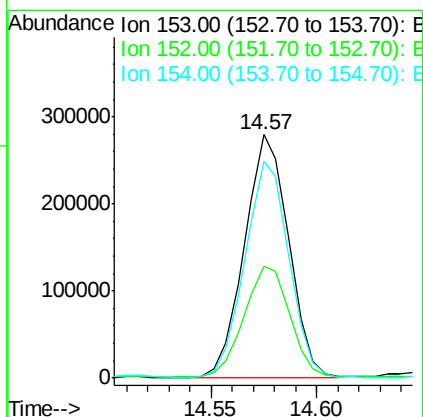
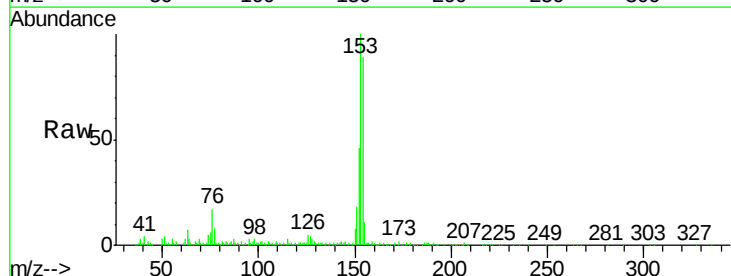
Instrument :
BNA_M
ClientSampled :

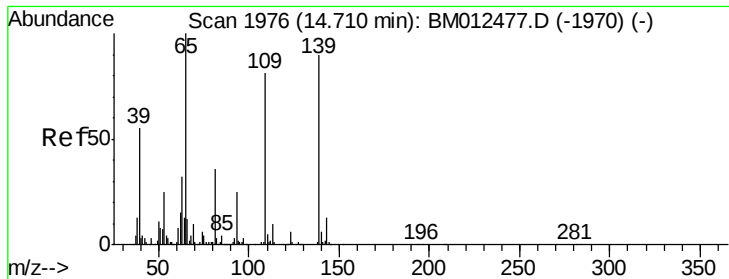
Tot Ion	163	Resp	274384
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.5	5.3
164	10.1	8.2	12.4



#49
Acenaphthene
Concen: 6.48 ng/ul
RT: 14.57 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Tgt Ion	153	Resp	404175
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.6	56.4
154	89.1	70.4	105.6

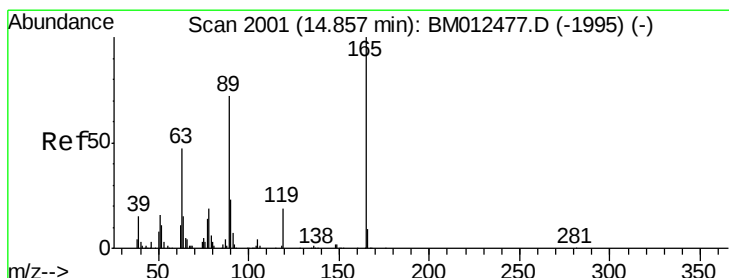
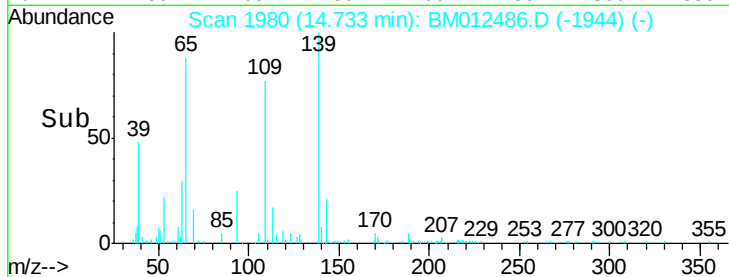
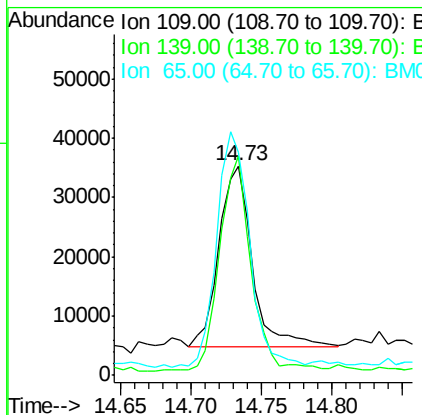
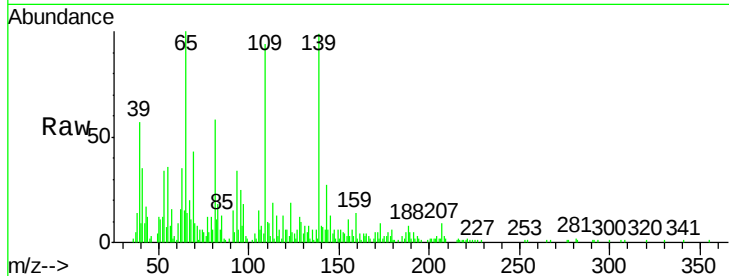




#52
4-Nitrophenol
Concen: 4.09 ng/ul
RT: 14.73 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

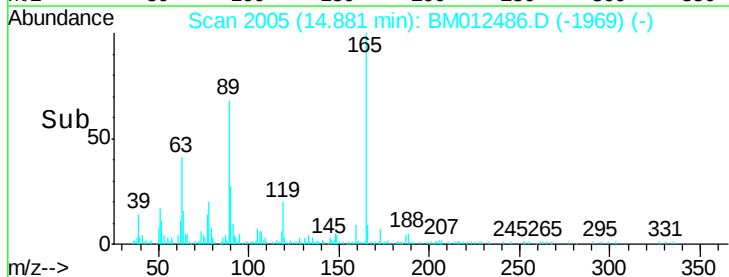
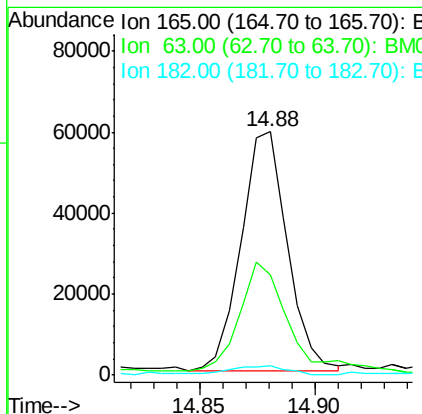
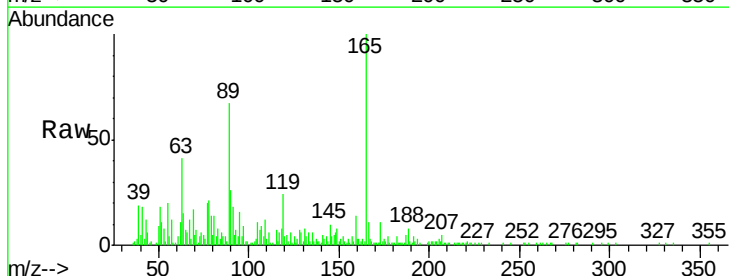
Instrument :
BNA_M
ClientSampleId :

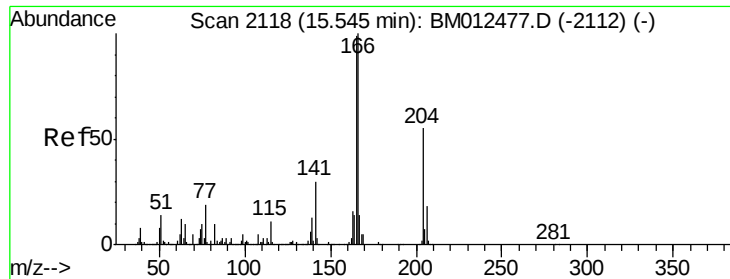
Tot Ion	Ratio	Lower	Upper
109	100		
139	105.0	80.0	120.0
65	106.5	120.0	180.0



#54
2,4-Dinitrotoluene
Concen: 4.35 ng/ul
RT: 14.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	41.3	45.8	68.8
182	4.0	2.6	4.0

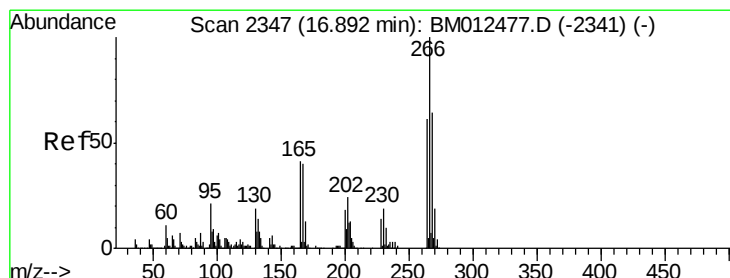
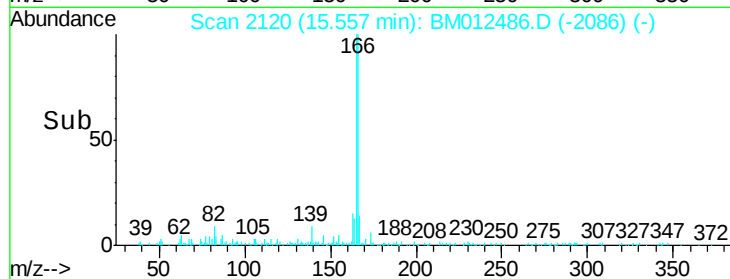
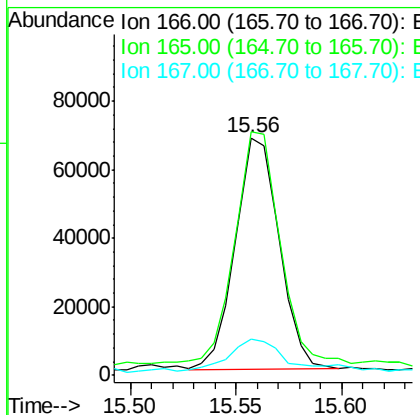
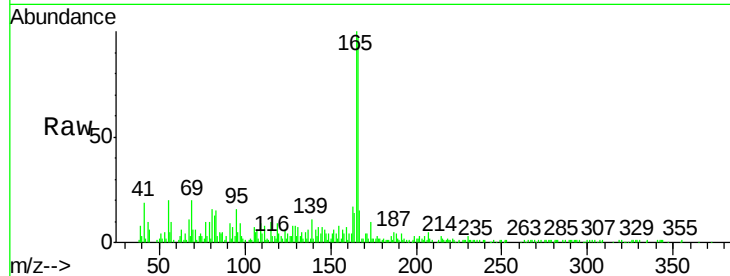




#58
 Fluorene
 Concen: 1.25 ng/ul
 RT: 15.56 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: BM012486.D
 Acq: 27 Oct 2017 14:55

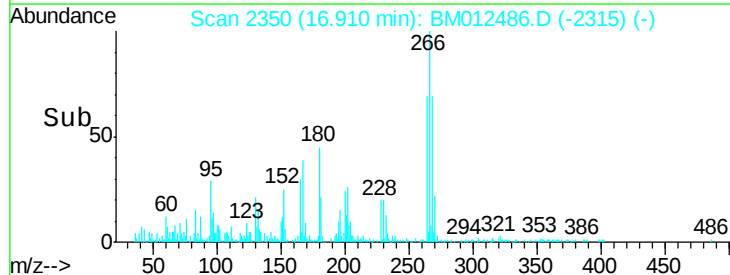
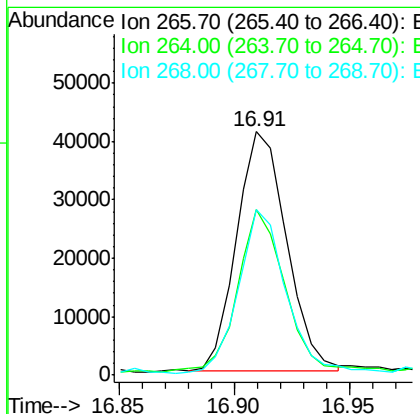
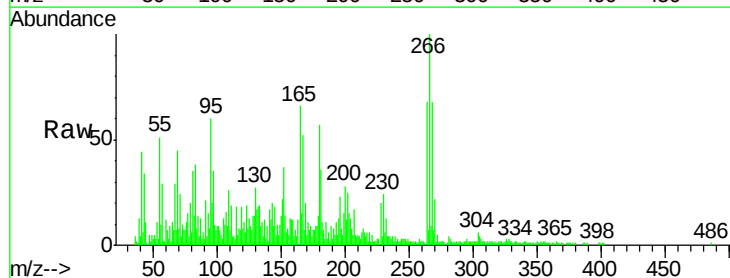
Instrument :
 BNA_M
 ClientSampleId :

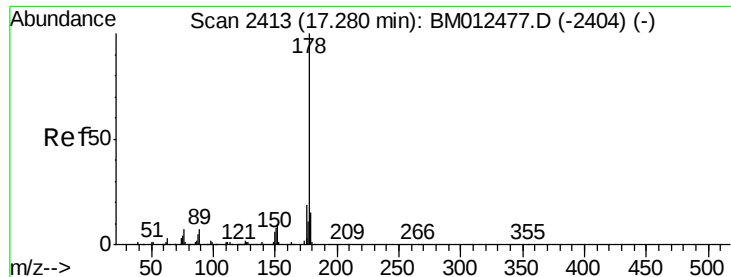
Tot Ion	Ratio	Lower	Upper
166	100		
165	102.6	77.9	116.9
167	15.4	10.6	16.0



#68
 Pentachlorophenol
 Concen: 4.19 ng/ul
 RT: 16.91 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: BM012486.D
 Acq: 27 Oct 2017 14:55

Tgt Ion	Ratio	Lower	Upper
266	100		
264	68.2	49.3	73.9
268	67.8	52.6	78.8





#69

Phenanthrene

Concen: 28.67 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

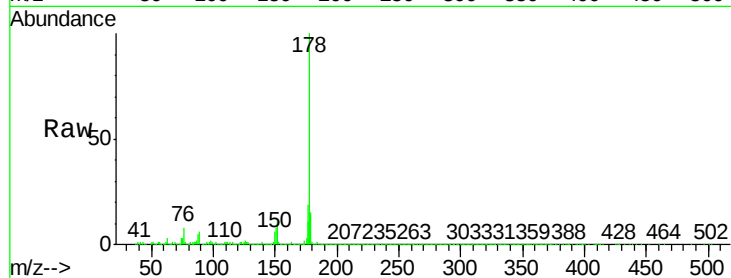
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 3151361

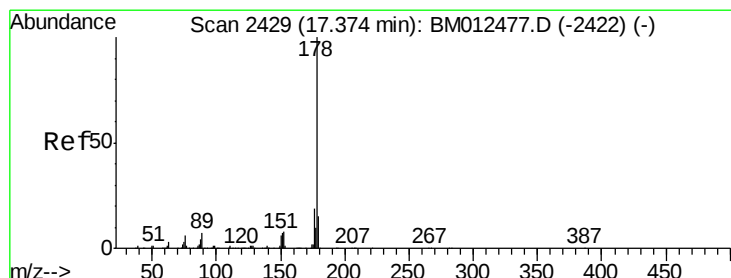
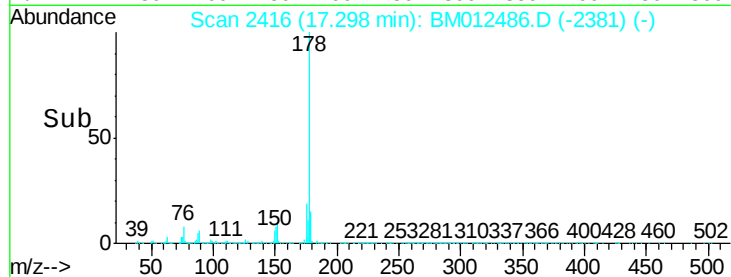
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.2	14.9	22.3



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: 6.92 ng/ul

RT: 17.39 min Scan# 2431

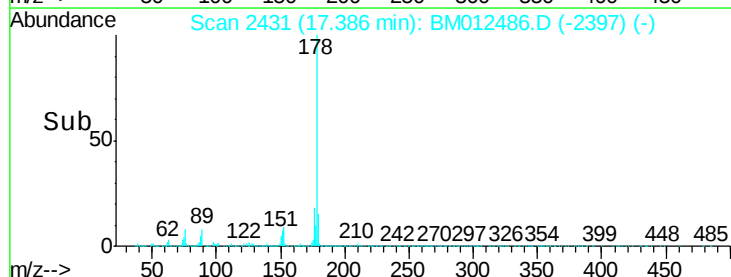
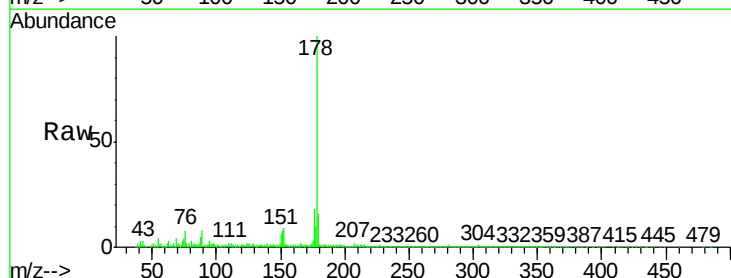
Delta R.T. 0.00 min

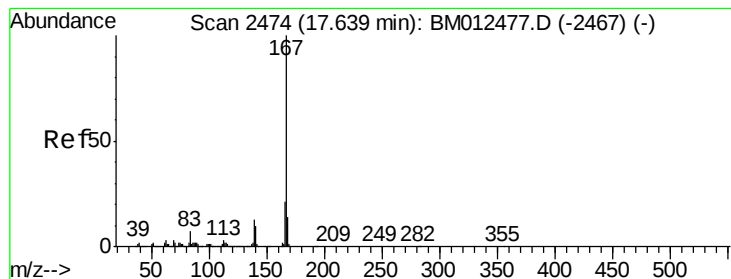
Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:178 Resp: 786213

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.4	14.6	21.8





#72

Carbazole

Concen: 6.86 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

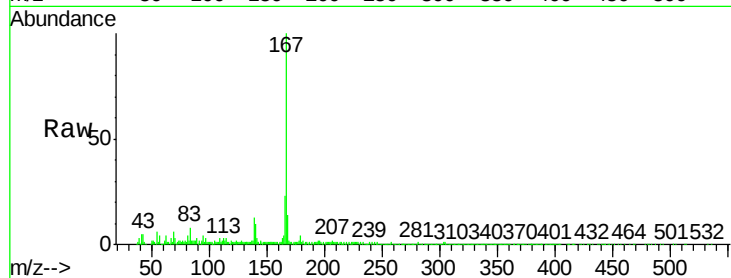
Tot Ion:167 Resp: 645228

Ion Ratio Lower Upper

167 100

166 23.4 17.1 25.7

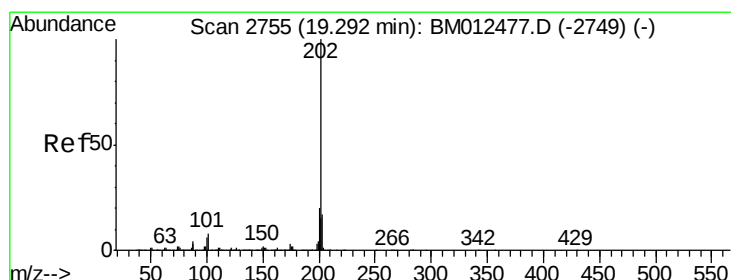
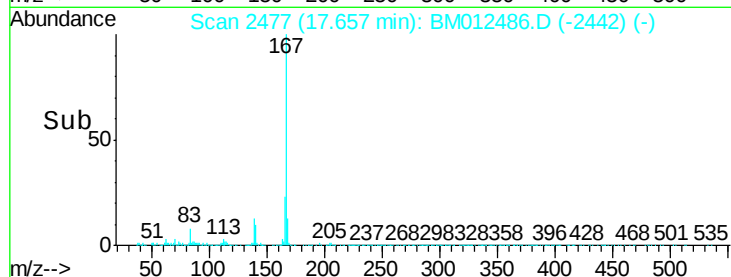
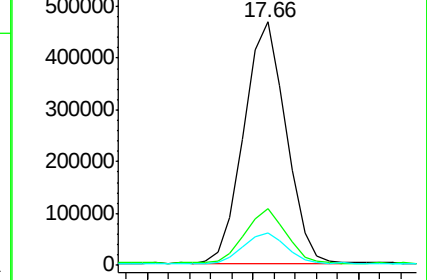
139 13.2 10.0 15.0



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: 72.18 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

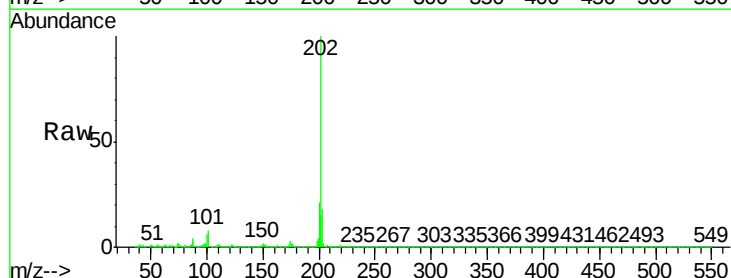
Tgt Ion:202 Resp: 8989147

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

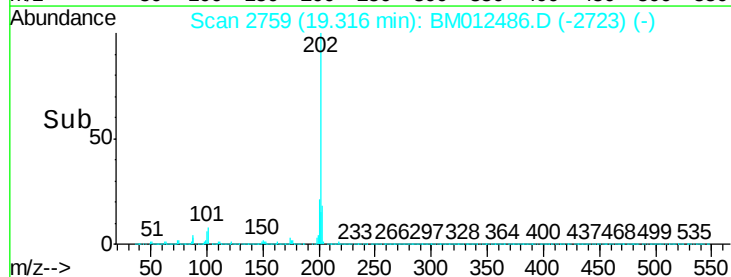
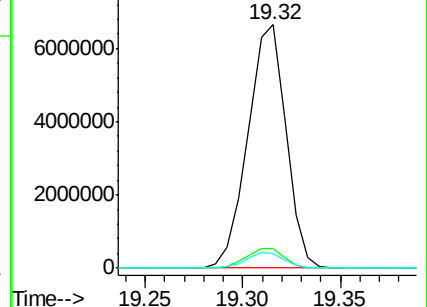
100 6.1 3.4 5.2#

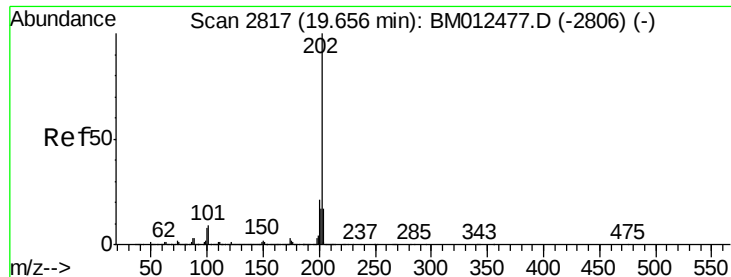


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 62.95 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

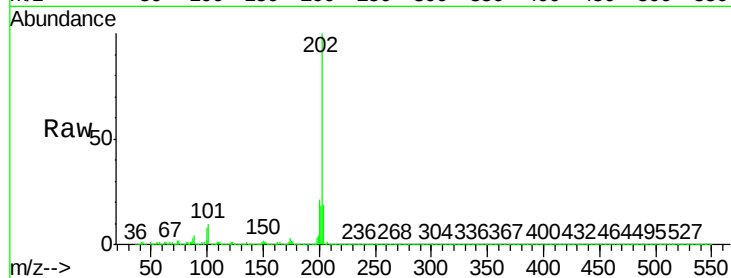
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 8967016

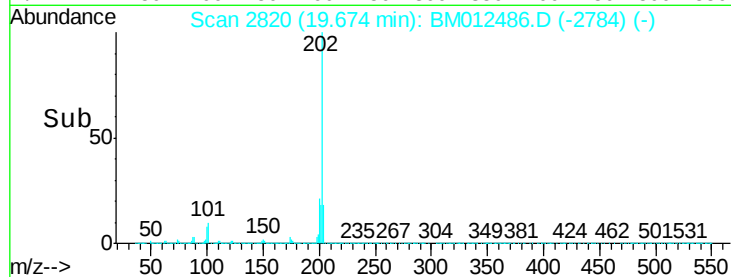
Ion	Ratio	Lower	Upper
202	100		
101	9.6	5.1	7.7#
100	7.9	4.9	7.3#



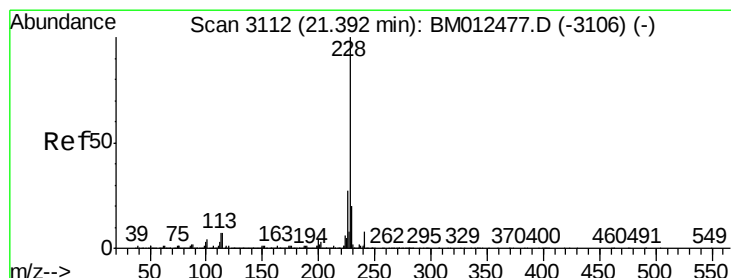
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Benzo(a)anthracene

Concen: 47.71 ng/ul

RT: 21.42 min Scan# 3116

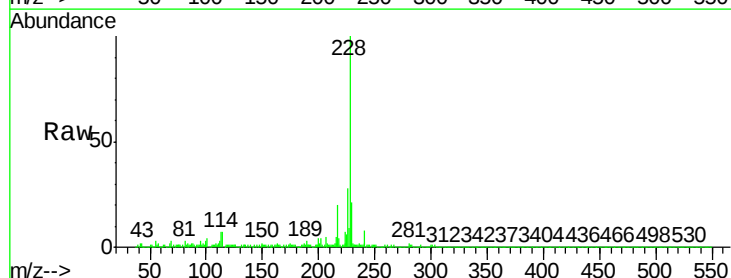
Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:228 Resp: 7156352

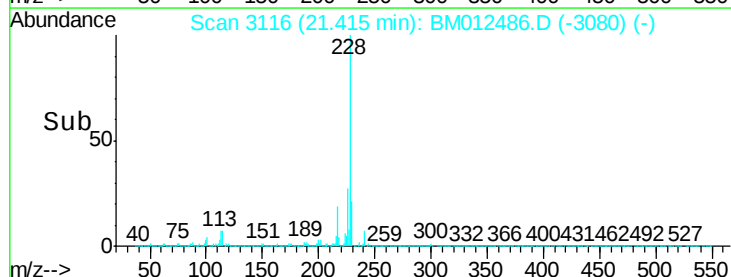
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.4	23.0
226	27.8	21.4	32.0



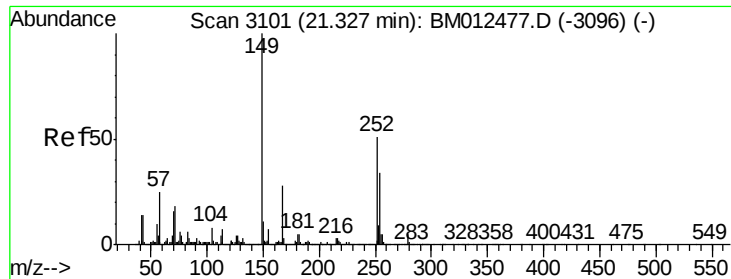
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



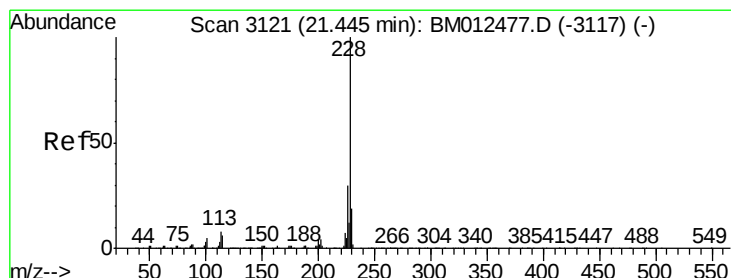
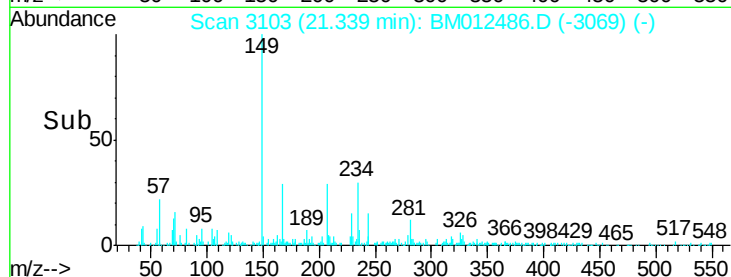
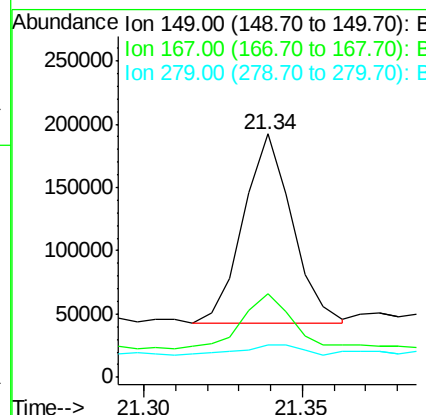
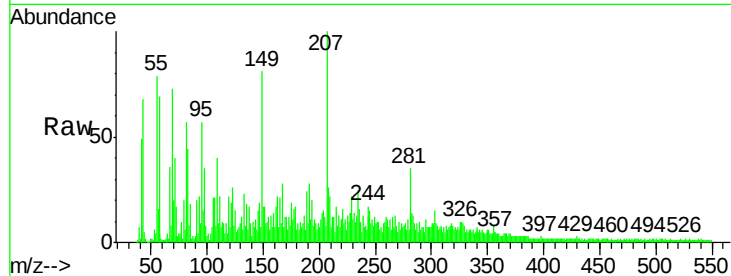
Time-->



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.86 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. 0.00 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

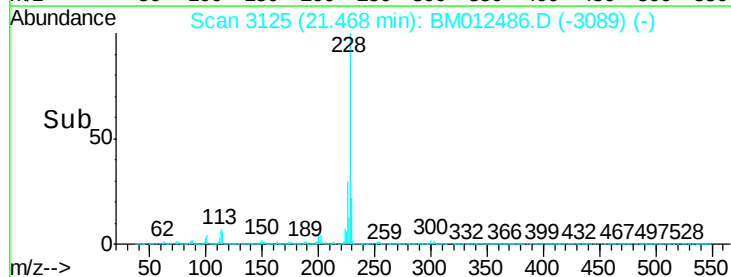
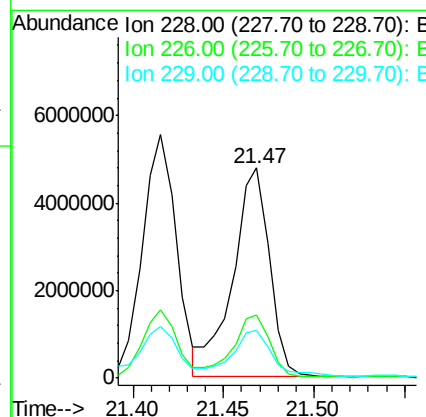
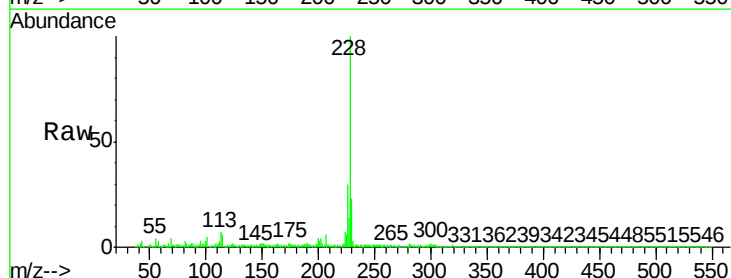
Instrument :
BNA_M
ClientSampleId :

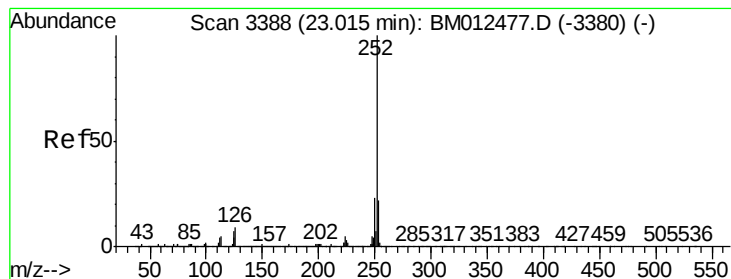
Tot Ion:149 Resp: 158596
Ion Ratio Lower Upper
149 100
167 34.6 22.8 34.2#
279 13.2 4.9 7.3#



#82
Chrysene
Concen: 50.76 ng/ul
RT: 21.47 min Scan# 3125
Delta R.T. 0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Tgt Ion:228 Resp: 6769181
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 23.0 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 63.60 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. 0.02 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

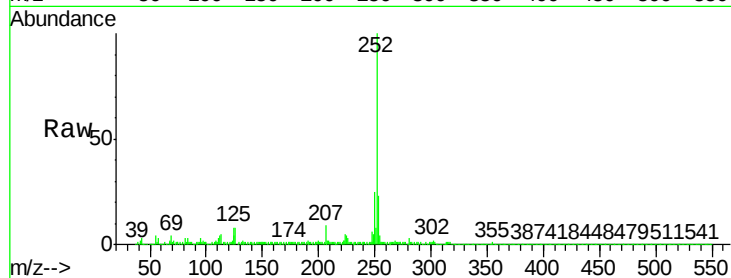
Tot Ion:252 Resp:11130670

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

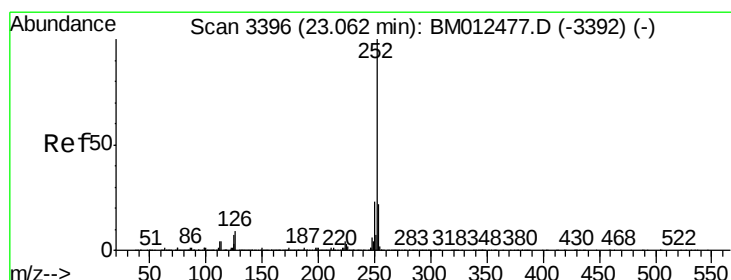
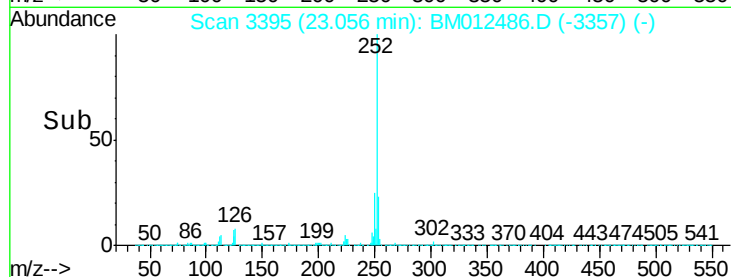
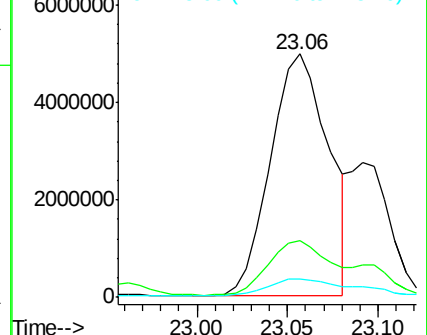
125 7.5 3.6 5.4#



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: 67.57 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. -0.02 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

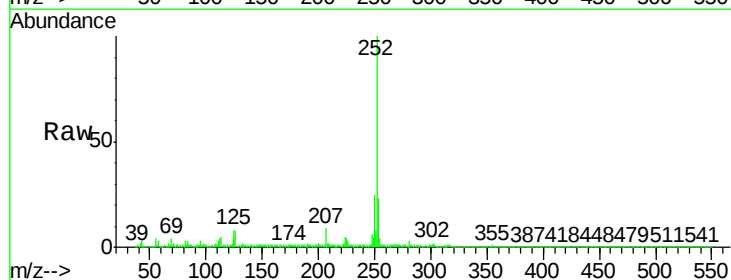
Tgt Ion:252 Resp:11130670

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

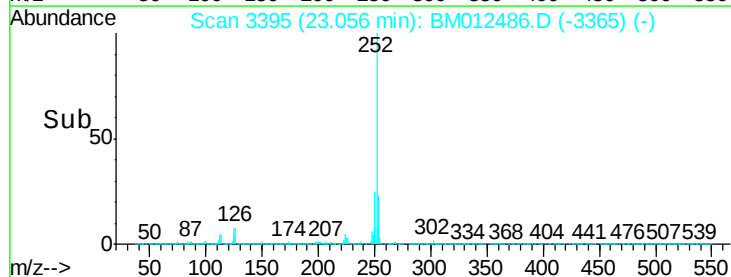
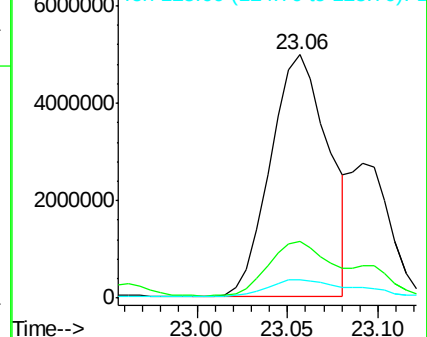
125 7.5 3.4 5.2#

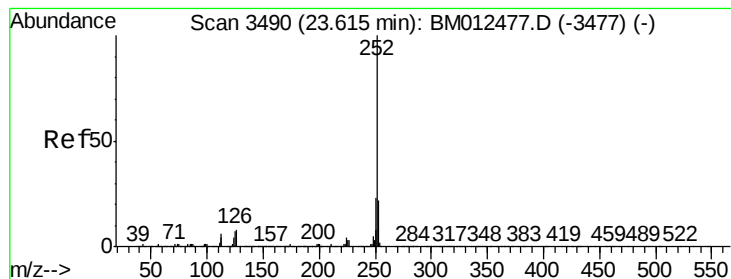


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 53.24 ng/ul

RT: 23.65 min Scan# 3496

Delta R.T. 0.02 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

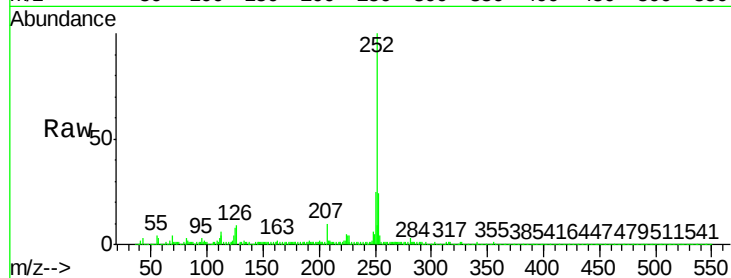
Tot Ion:252 Resp: 8884475

Ion Ratio Lower Upper

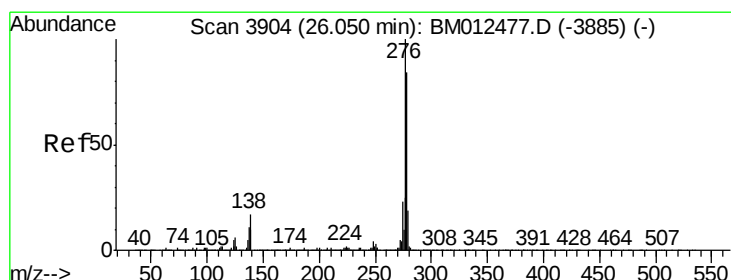
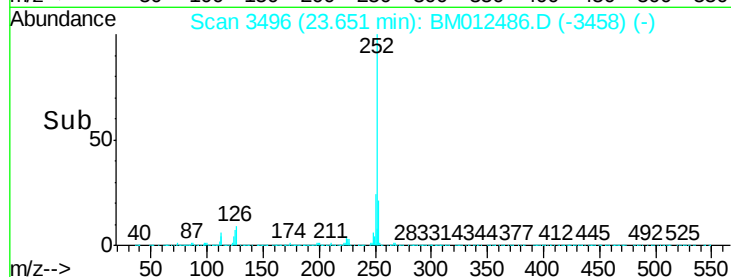
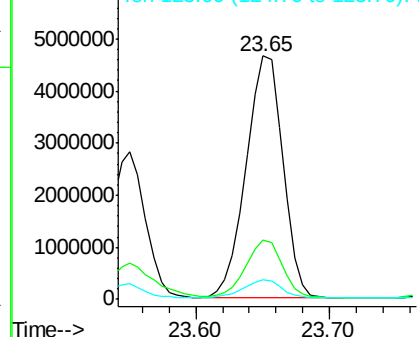
252 100

253 24.2 18.2 27.2

125 8.1 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



#89

Indeno(1,2,3-cd)pyrene

Concen: 30.57 ng/ul

RT: 26.12 min Scan# 3915

Delta R.T. 0.04 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

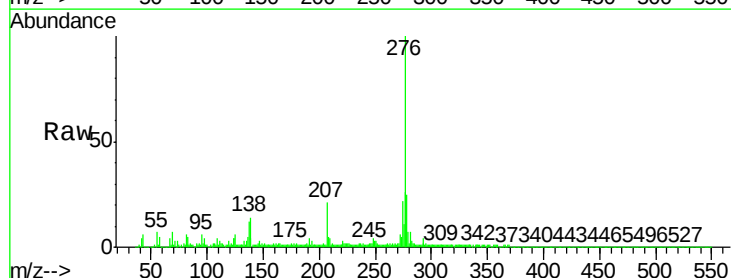
Tgt Ion:276 Resp: 6003190

Ion Ratio Lower Upper

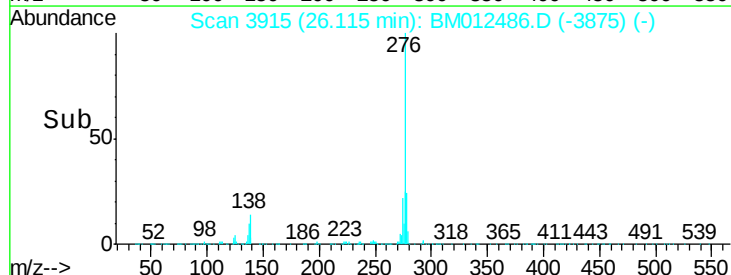
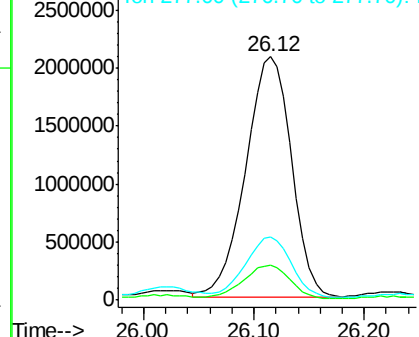
276 100

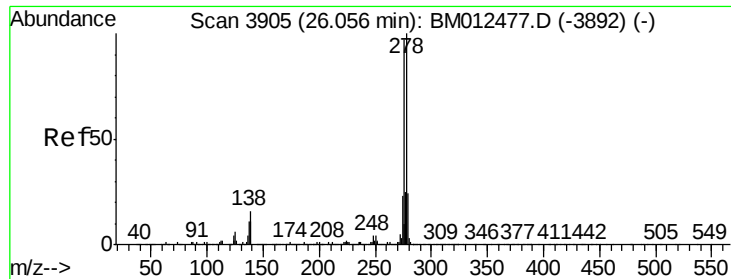
138 14.3 9.3 13.9#

277 26.0 19.9 29.9



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





#90

Dibenzo(a,h)anthracene

Concen: 9.92 ng/ul

RT: 26.12 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

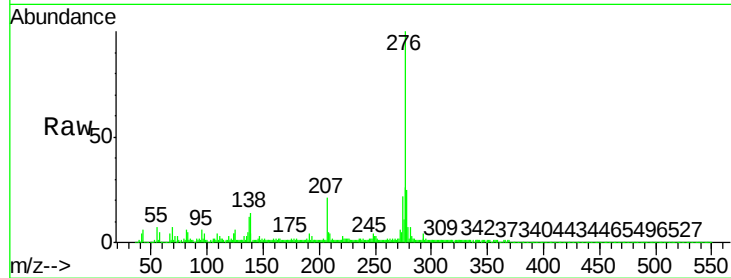
Tot Ion:278 Resp: 1651231

Ion Ratio Lower Upper

278 100

139 16.2 5.8 8.8#

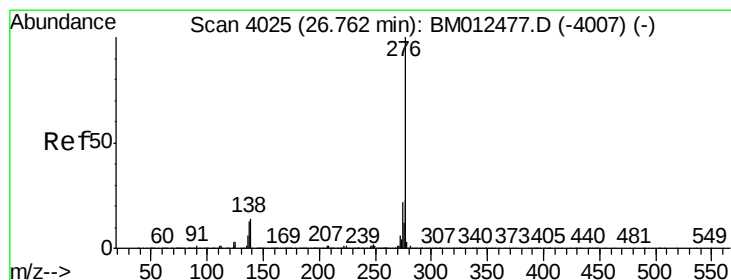
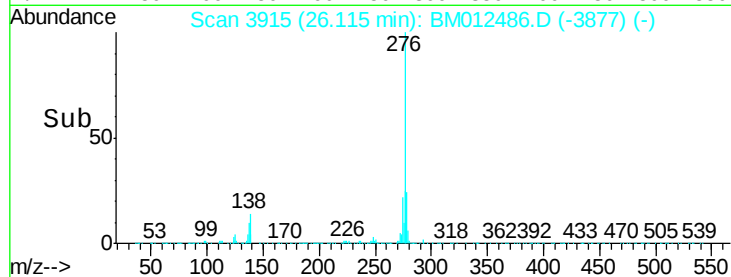
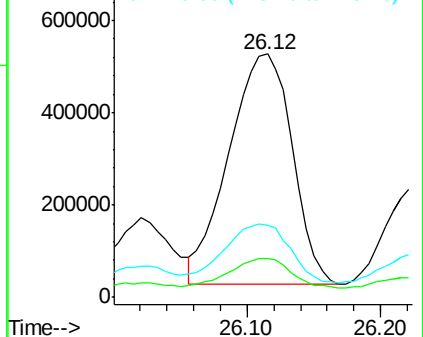
279 29.4 18.6 27.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 32.45 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

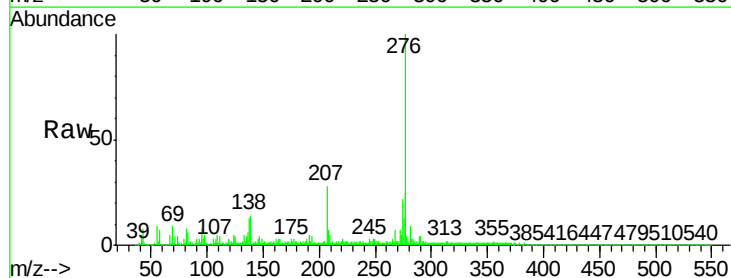
Tgt Ion:276 Resp: 5165059

Ion Ratio Lower Upper

276 100

138 14.1 8.5 12.7#

277 24.8 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

