

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012732.D
 Acq On : 05 Nov 2017 06:04
 Operator : SJ/JU
 Sample : I5825-09 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-64(1.5-2.5)-101117

Quant Time: Nov 06 03:28:34 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 03:22:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	119389	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	468541	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	264867	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	539317	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	578908	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	660864	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	5602	2.53	ng/uL	0.00
5) Phenol-d5	6.99	99	118259	13.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	67854	14.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	104610	14.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	80098	10.45	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	51639	14.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	57229	14.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	110214	13.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	46968	5.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	346579	15.81	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	419007	15.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	26210	7.46	ng/ul	0.01
57) Fluorene-d10	15.45	176	288011	15.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	11946	3.35	ng/ul	0.00
70) Anthracene-d10	17.29	188	411486	15.79	ng/ul	0.00
78) Pyrene-d10	19.59	212	430792	16.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	495478	15.86	ng/ul	0.00

Target Compounds

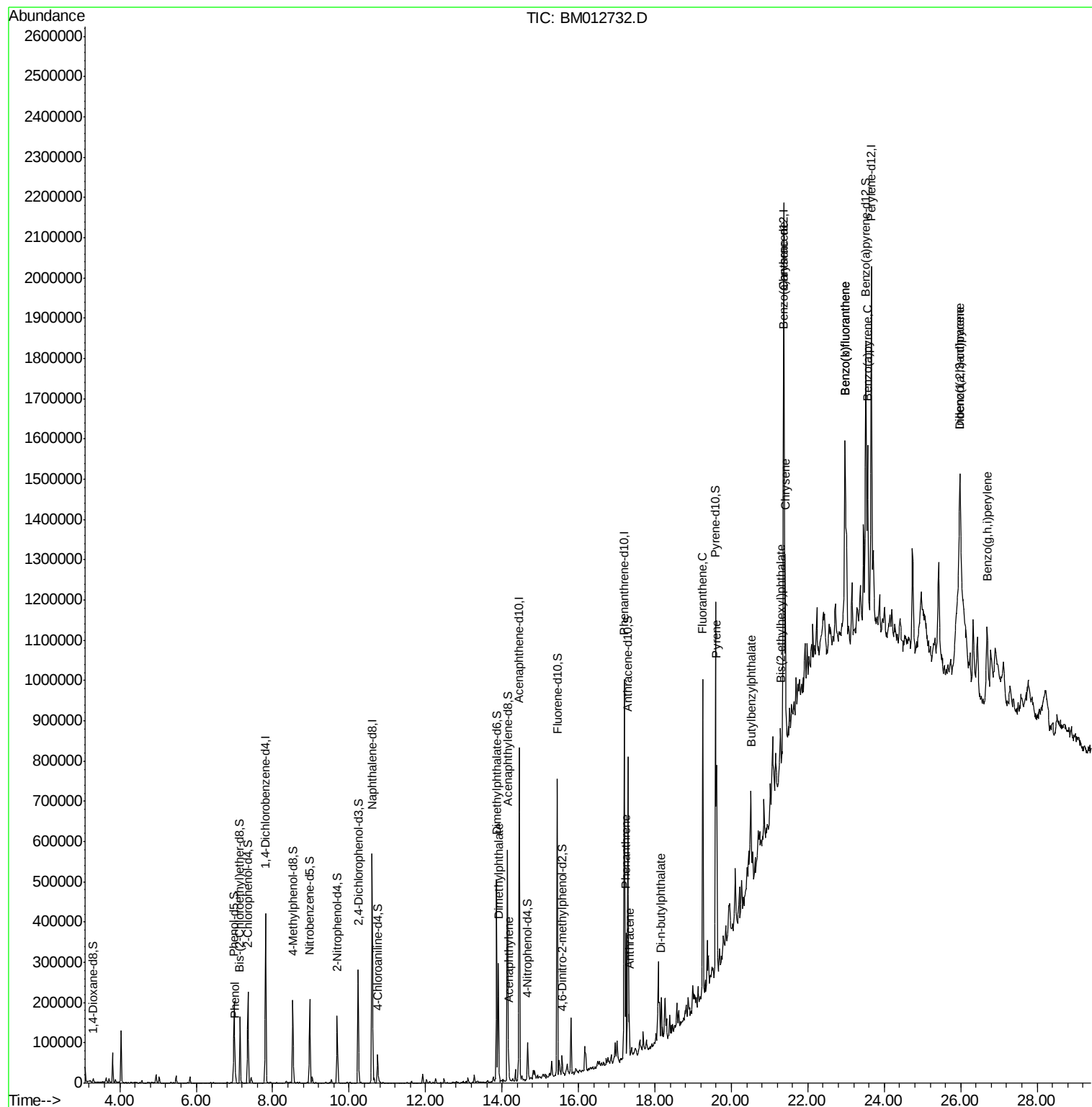
						Ovalue
6) Phenol	7.02	94	18111	1.99	ng/ul	98
44) Dimethylphthalate	13.90	163	187844	8.64	ng/ul	98
47) Acenaphthylene	14.17	152	50625	1.93	ng/ul	97
69) Phenanthrene	17.24	178	189293	6.42	ng/ul	98
71) Anthracene	17.33	178	65609	2.15	ng/ul	97
75) Di-n-butylphthalate	18.16	149	76067	2.55	ng/ul	100
76) Fluoranthene	19.25	202	453473	12.80	ng/ul#	94
79) Pyrene	19.62	202	406195	11.76	ng/ul#	92
80) Butylbenzylphthalate	20.51	149	16050	1.27	ng/ul	90
82) Benzo(a)anthracene	21.36	228	269726	7.70	ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.29	149	31108	1.70	ng/ul#	89
84) Chrysene	21.41	228	256799	8.09	ng/ul	96
87) Benzo(b)fluoranthene	22.97	252	450826	11.16	ng/ul	93
88) Benzo(k)fluoranthene	22.97	252	450826	11.74	ng/ul#	93
90) Benzo(a)pyrene	23.56	252	288972	7.52	ng/ul	93
91) Indeno(1,2,3-cd)pyrene	25.98	276	237803	5.13	ng/ul#	85
92) Dibenzo(a,h)anthracene	25.97	278	64308	1.64	ng/ul#	86
93) Benzo(g,h,i)perylene	26.69	276	207308	5.43	ng/ul#	89

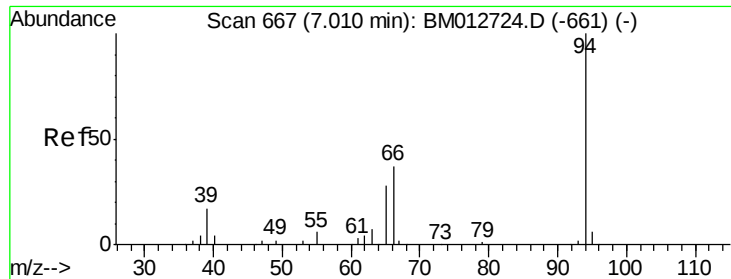
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.99 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

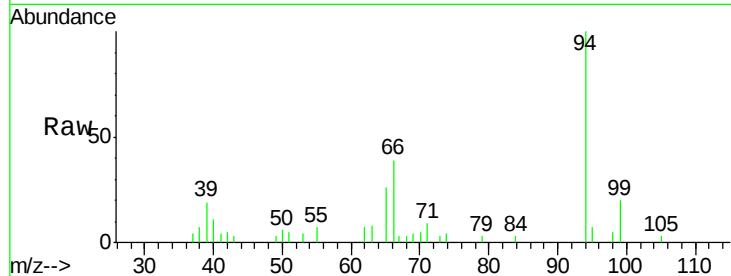
Tot Ion: 94 Resp: 18111

Ion Ratio Lower Upper

94 100

65 26.0 21.0 31.6

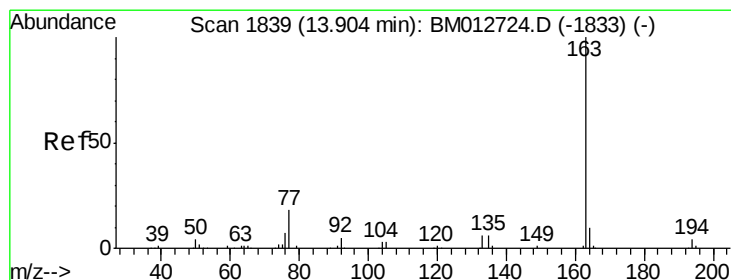
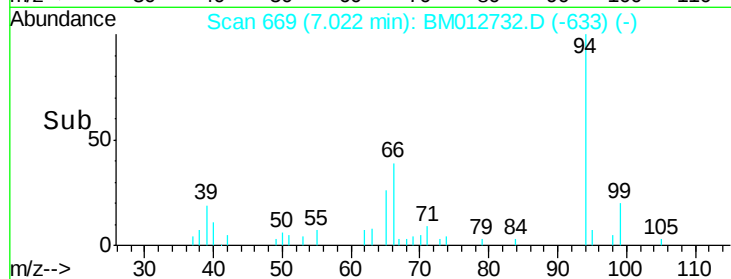
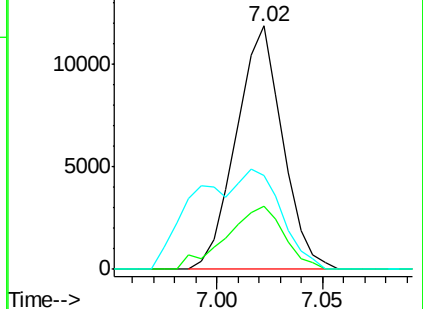
66 38.6 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012732.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM012732.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM012732.D (-633) (-)



#44

Dimethylphthalate

Concen: 8.64 ng/ul

RT: 13.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

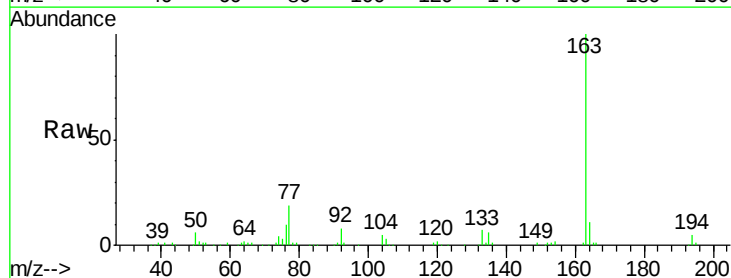
Tgt Ion: 163 Resp: 187844

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

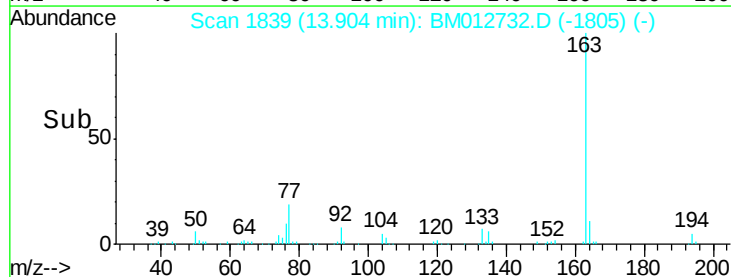
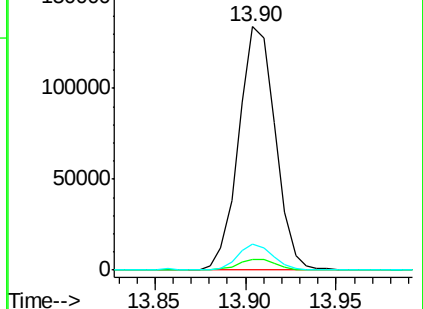
164 10.8 7.8 11.8

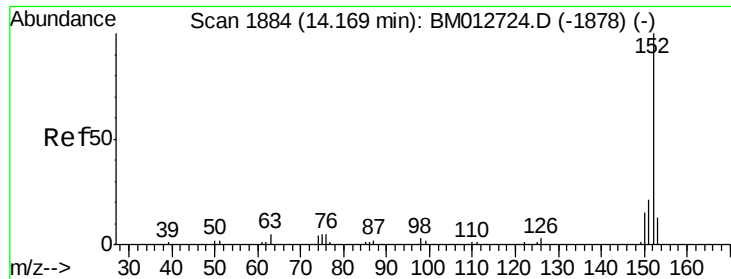


Abundance Ion 163.00 (162.70 to 163.70): BM012732.D (-1805) (-)

Ion 194.00 (193.70 to 194.70): BM012732.D (-1805) (-)

Ion 164.00 (163.70 to 164.70): BM012732.D (-1805) (-)





#47

Acenaphthylene

Concen: 1.93 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

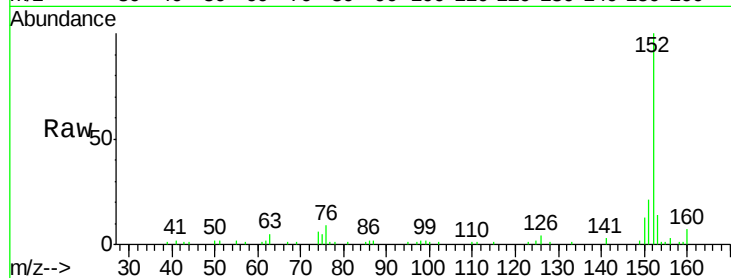
Tot Ion:152 Resp: 50625

Ion Ratio Lower Upper

152 100

151 20.9 15.7 23.5

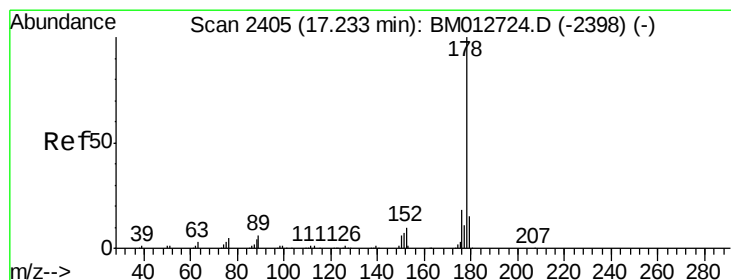
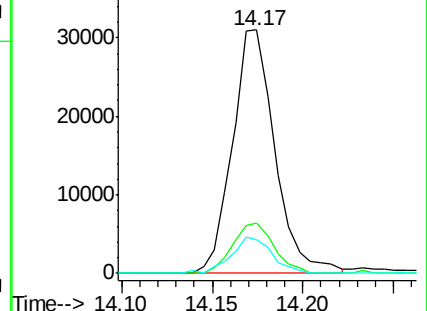
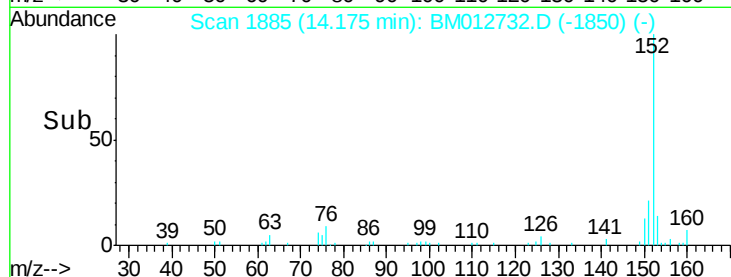
153 14.1 10.5 15.7



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



#69

Phenanthrene

Concen: 6.42 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

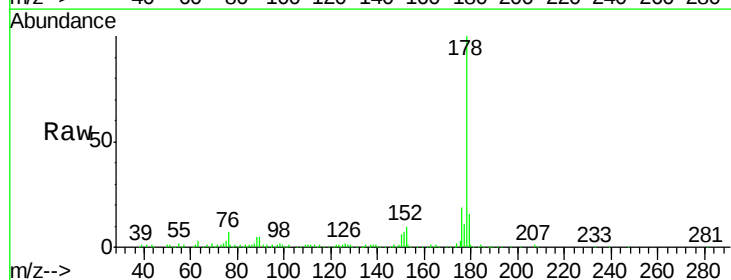
Tgt Ion:178 Resp: 189293

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

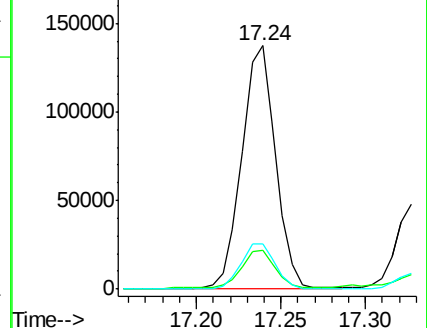
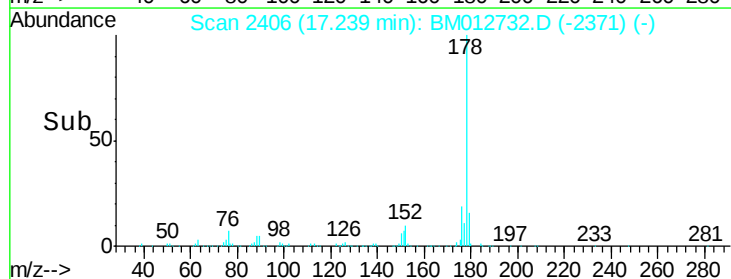
176 18.8 15.6 23.4

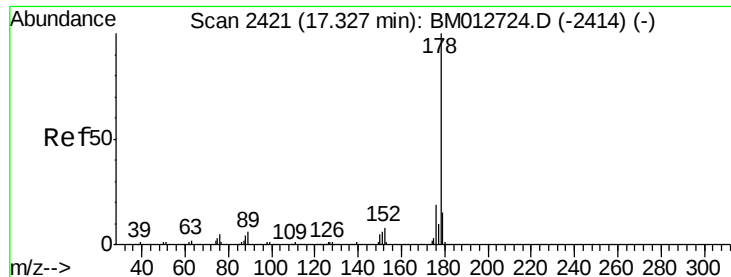


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

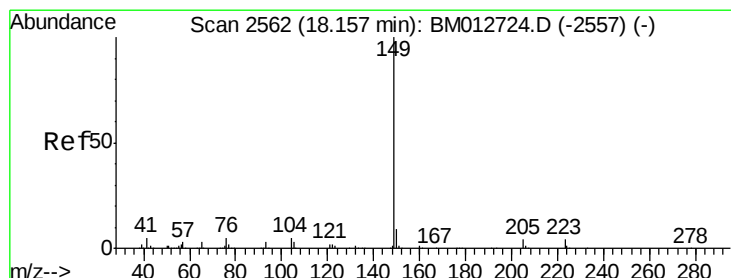
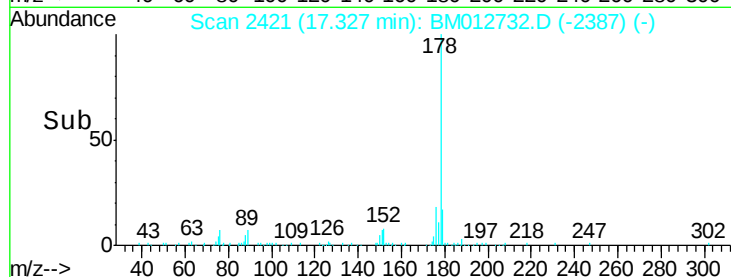
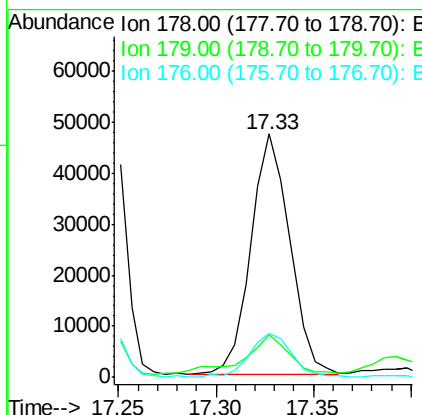
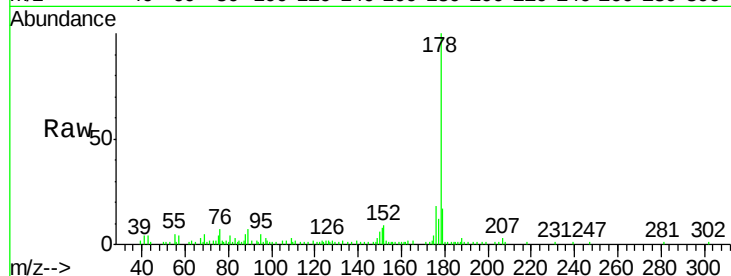




#71
 Anthracene
 Concen: 2.15 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM012732.D
 Acq: 05 Nov 2017 06:04

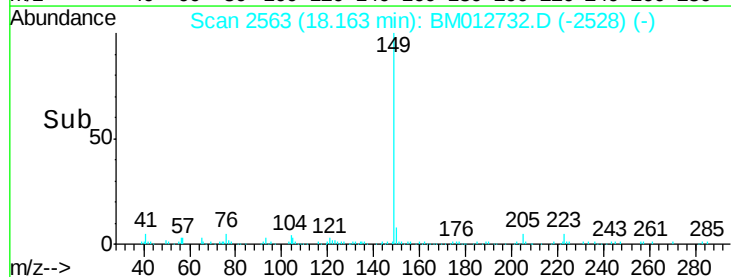
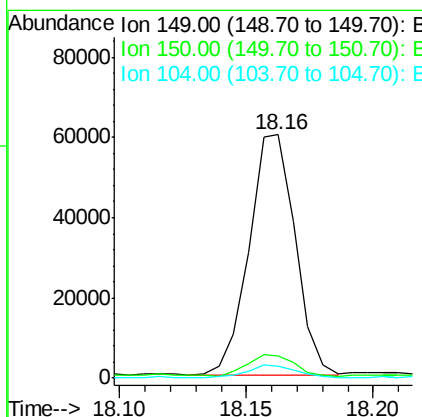
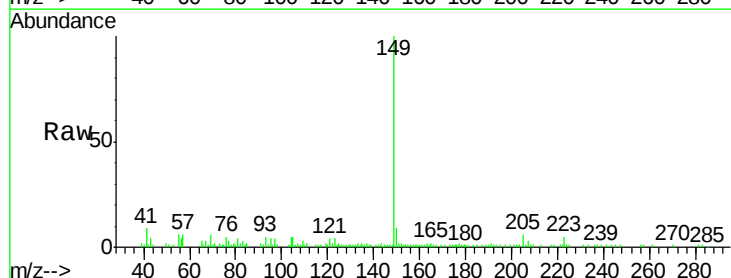
Instrument :
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 B-64(1.5-2.5)-101117

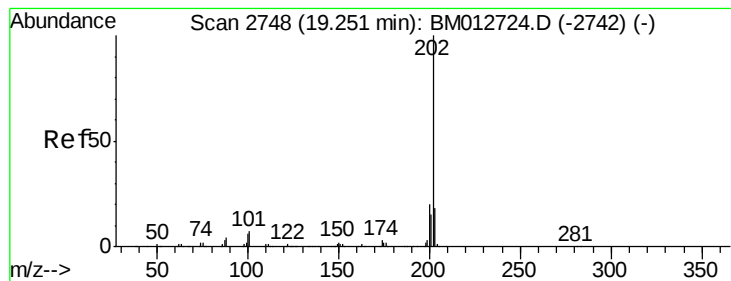
Tot Ion:178 Resp: 65609
 Ion Ratio Lower Upper
 178 100
 179 17.4 12.1 18.1
 176 18.2 14.8 22.2



#75
 Di-n-butylphthalate
 Concen: 2.55 ng/ul
 RT: 18.16 min Scan# 2563
 Delta R.T. 0.01 min
 Lab File: BM012732.D
 Acq: 05 Nov 2017 06:04

Tgt Ion:149 Resp: 76067
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 4.9 4.0 6.0





#76

Fluoranthene

Concen: 12.80 ng/ul

RT: 19.25 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

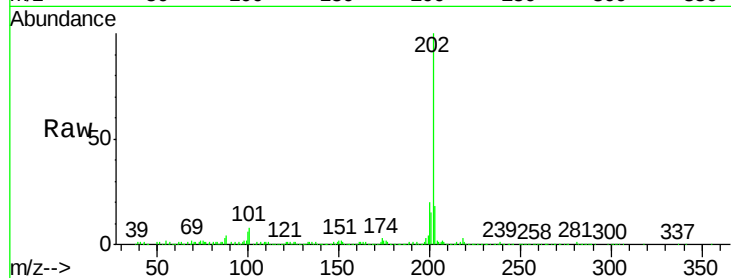
Tot Ion:202 Resp: 453473

Ion Ratio Lower Upper

202 100

101 8.3 8.8 13.2#

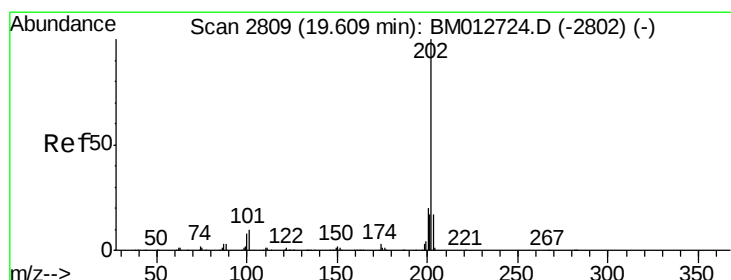
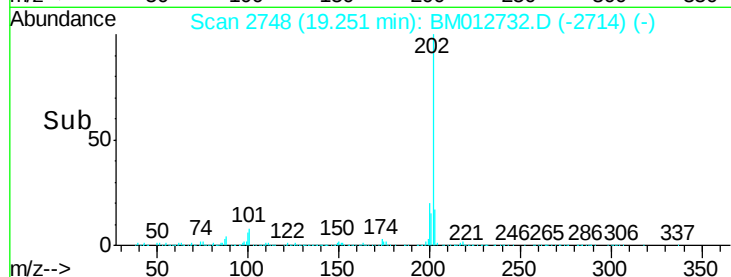
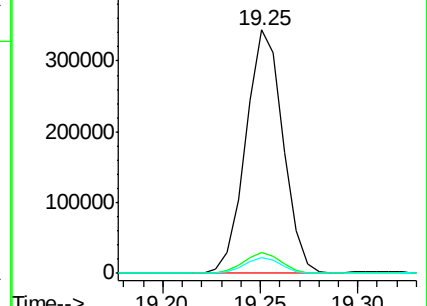
100 6.4 6.6 9.8#



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



#79

Pyrene

Concen: 11.76 ng/ul

RT: 19.62 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

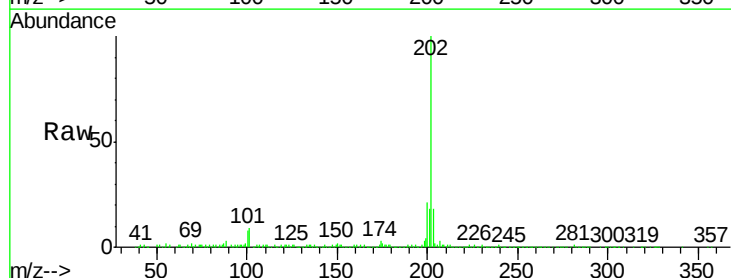
Tgt Ion:202 Resp: 406195

Ion Ratio Lower Upper

202 100

101 9.0 10.2 15.2#

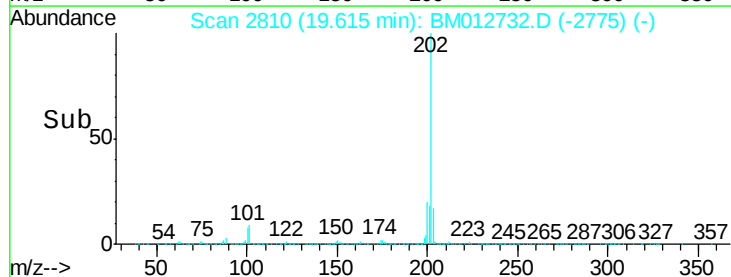
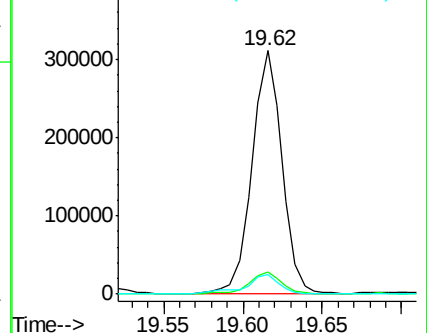
100 7.8 8.5 12.7#

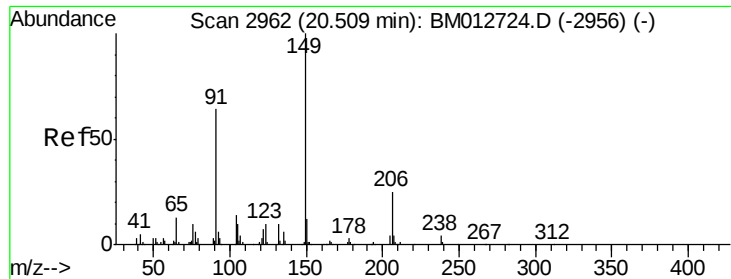


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

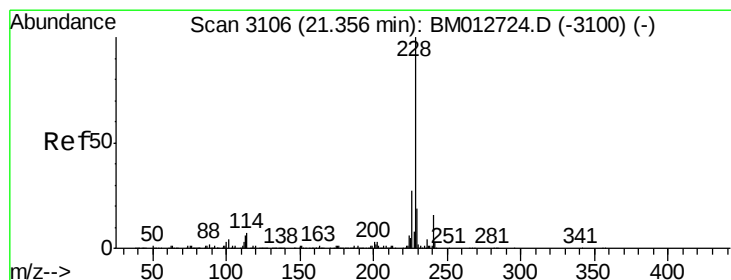
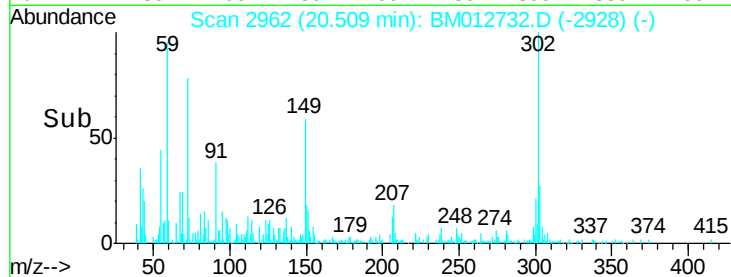
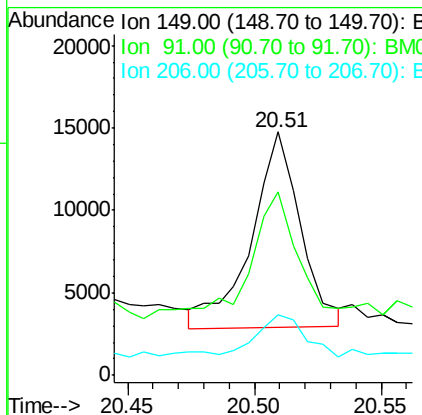
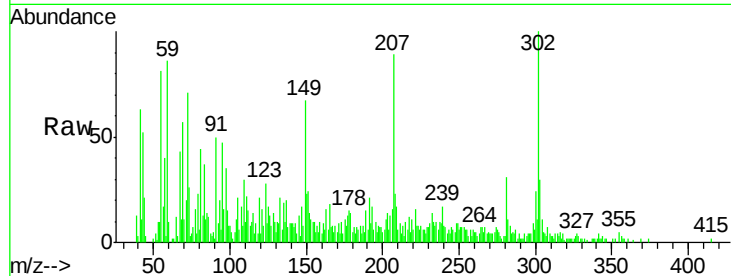




#80
Butylbenzylphthalate
Concen: 1.27 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.00 min
Lab File: BM012732.D
Acq: 05 Nov 2017 06:04

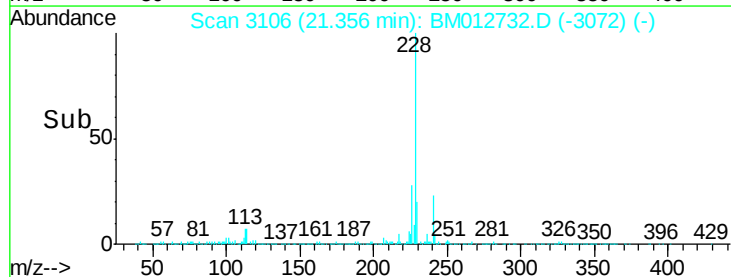
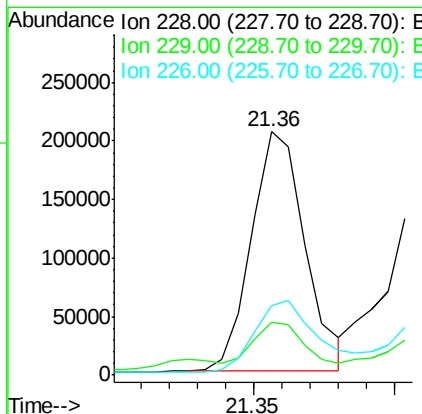
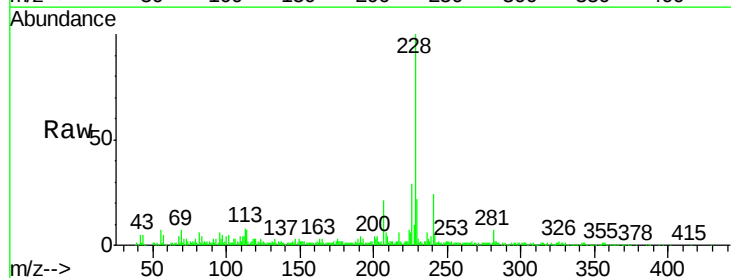
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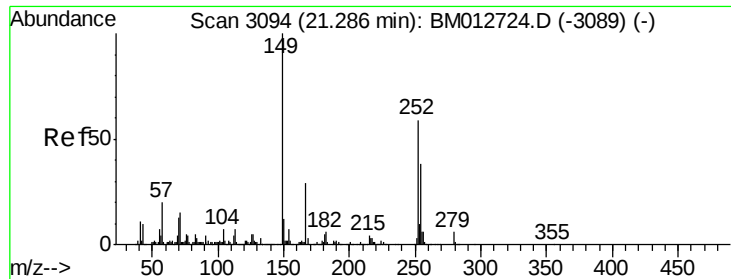
Tot Ion	Ratio	Lower	Upper
149	100		
91	75.3	53.4	80.2
206	24.8	16.6	24.8



#82
Benzo(a)anthracene
Concen: 7.70 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. 0.00 min
Lab File: BM012732.D
Acq: 05 Nov 2017 06:04

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	28.7	21.8	32.6

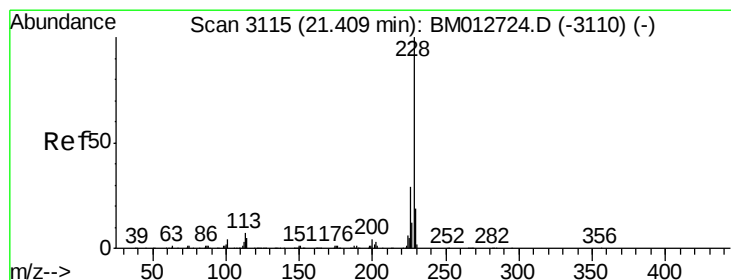
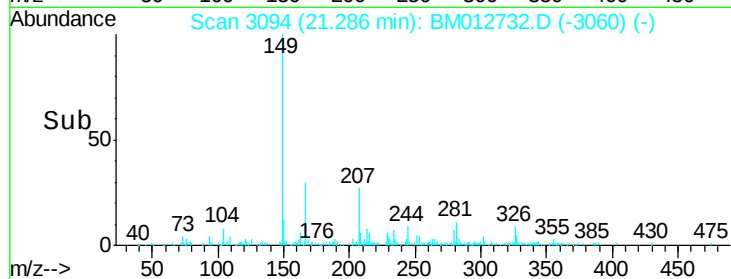
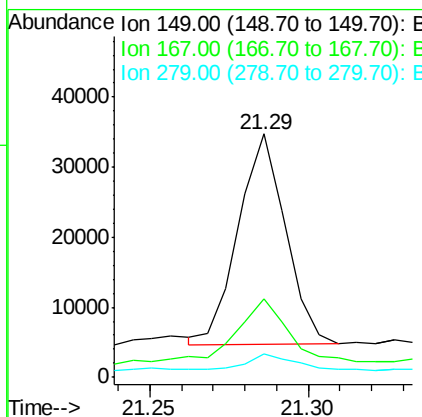
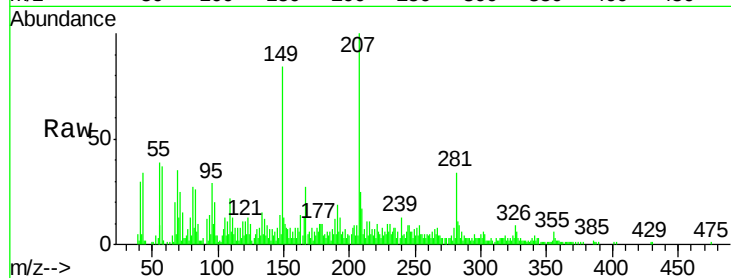




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.70 ng/ul
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM012732.D
 Acq: 05 Nov 2017 06:04

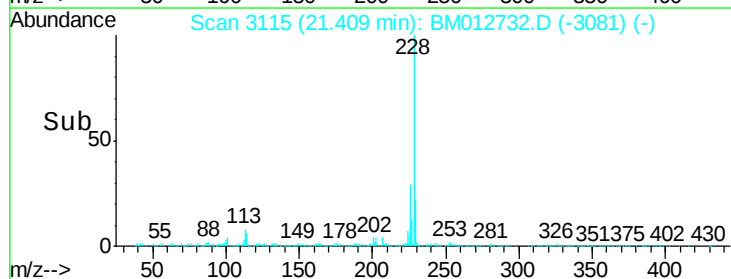
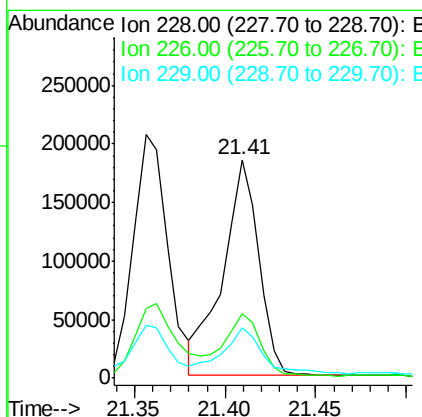
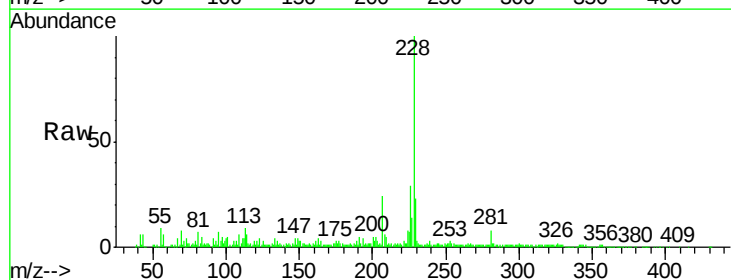
Instrument :
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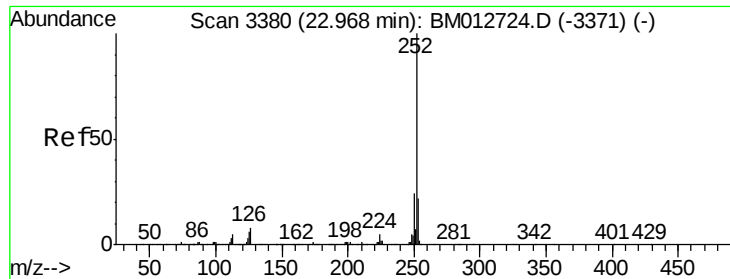
Tot Ion:149 Resp: 31108
 Ion Ratio Lower Upper
 149 100
 167 32.2 21.6 32.4
 279 9.7 3.0 4.4#



#84
 Chrysene
 Concen: 8.09 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.00 min
 Lab File: BM012732.D
 Acq: 05 Nov 2017 06:04

Tgt Ion:228 Resp: 256799
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.0 36.0
 229 23.1 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 11.16 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. 0.01 min

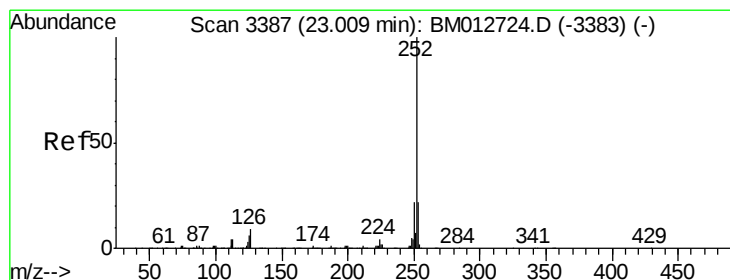
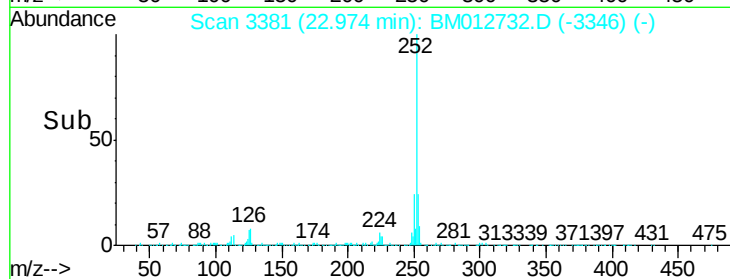
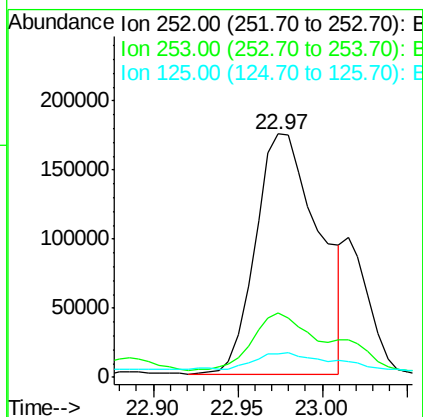
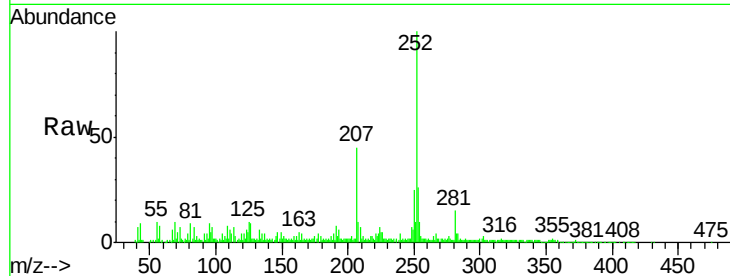
Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Instrument :
BNA_M

ClientSampleId :
B-64(1.5-2.5)-101117

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3
125	9.6	8.5	12.7



#88

Benzo(k)fluoranthene

Concen: 11.74 ng/ul

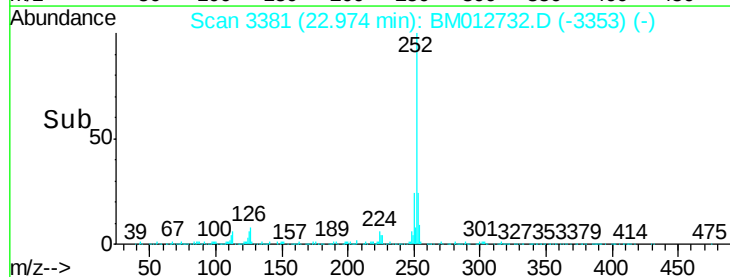
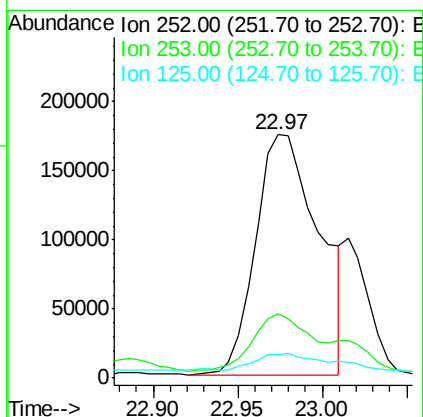
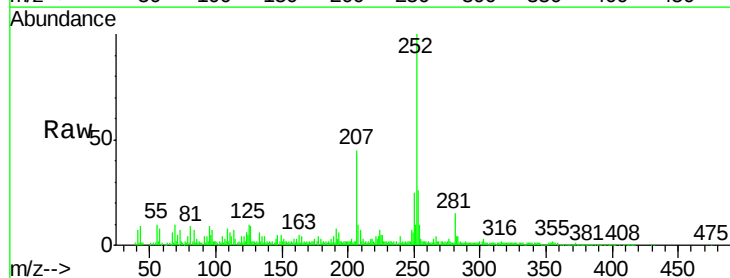
RT: 22.97 min Scan# 3381

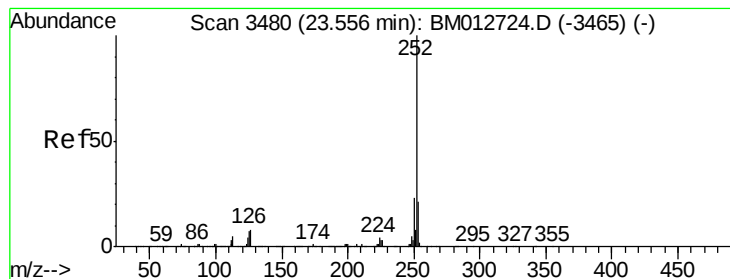
Delta R.T. -0.04 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.3	25.9#
125	9.6	8.2	12.2





#90

Benzo(a)pyrene

Concen: 7.52 ng/ul

RT: 23.56 min Scan# 3481

Delta R.T. 0.01 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

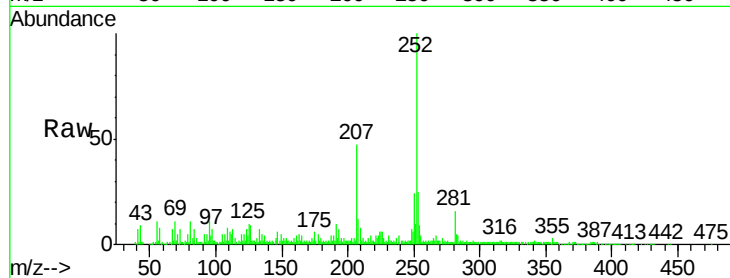
Tot Ion:252 Resp: 288972

Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

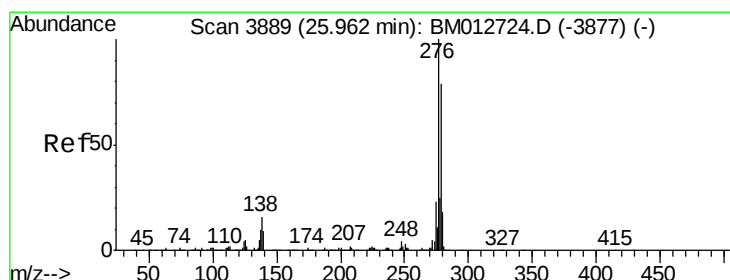
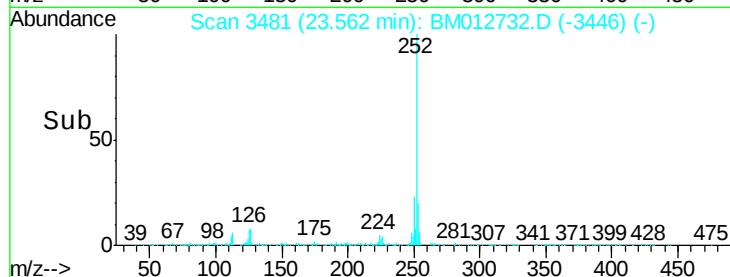
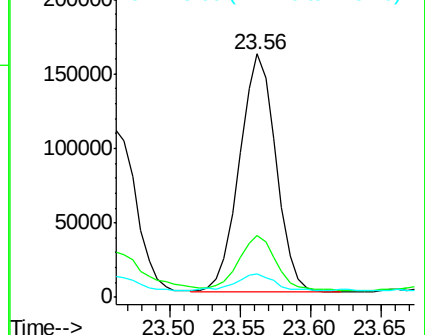
125 9.7 9.0 13.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.13 ng/ul

RT: 25.98 min Scan# 3892

Delta R.T. 0.02 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

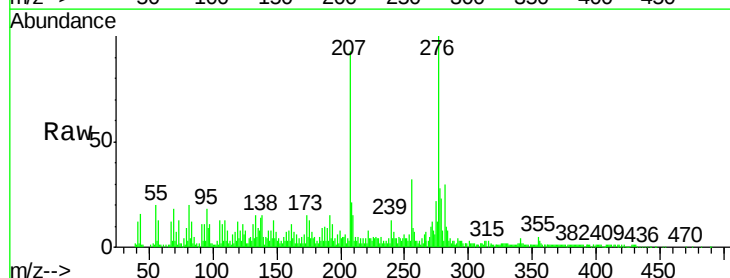
Tgt Ion:276 Resp: 237803

Ion Ratio Lower Upper

276 100

138 15.5 22.3 33.5#

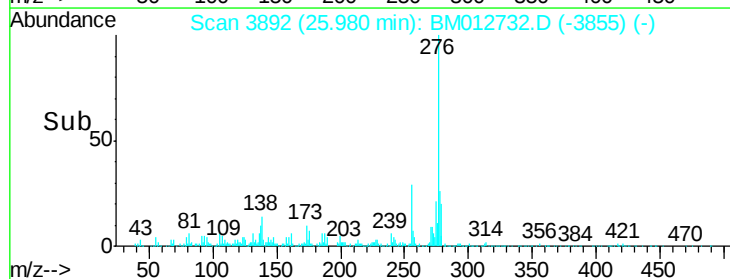
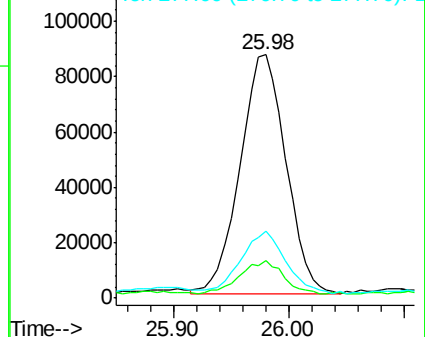
277 27.7 20.2 30.2

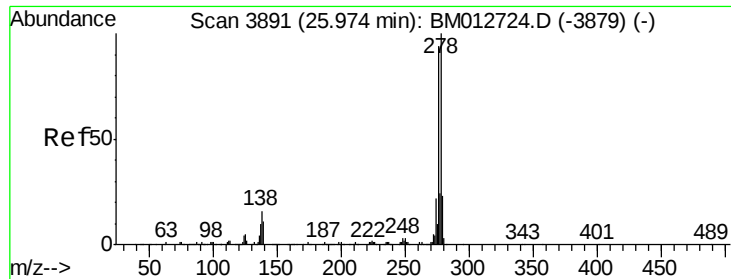


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.64 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.00 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

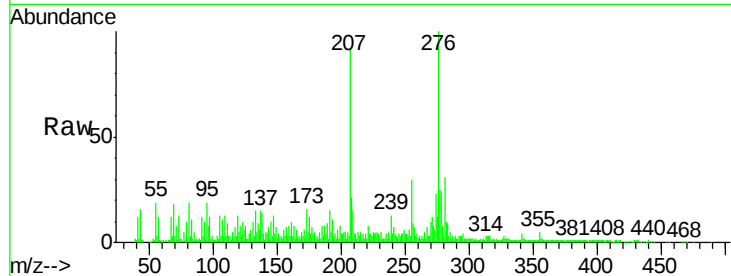
Tot Ion:278 Resp: 64308

Ion Ratio Lower Upper

278 100

139 18.3 13.9 20.9

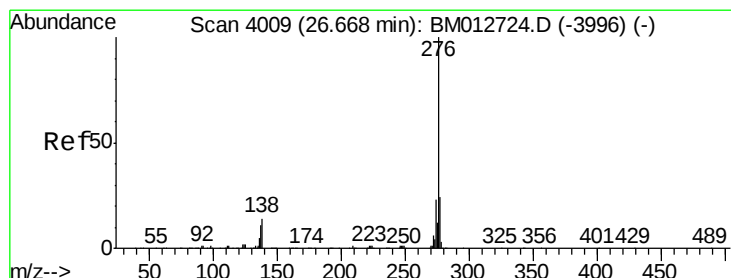
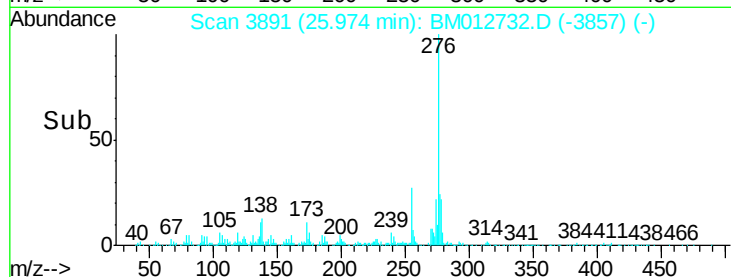
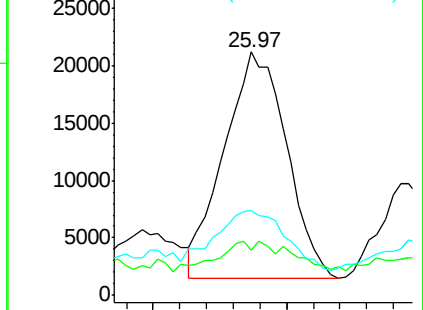
279 34.8 19.0 28.4#



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



#93

Benzo(g,h,i)perylene

Concen: 5.43 ng/ul

RT: 26.69 min Scan# 4013

Delta R.T. 0.02 min

Lab File: BM012732.D

Acq: 05 Nov 2017 06:04

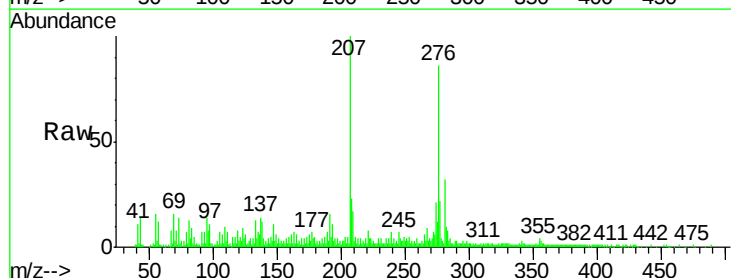
Tgt Ion:276 Resp: 207308

Ion Ratio Lower Upper

276 100

138 14.1 18.9 28.3#

277 25.7 19.2 28.8



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

