

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012459.D
 Acq On : 26 Oct 2017 00:13
 Operator : SJ/JU
 Sample : I5873-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 06:13:20 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 05:23:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	614261	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2564695	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1571583	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	3254263	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2536729	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	2765127	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	21639	1.80	ng/uL	0.00
5) Phenol-d5	7.05	99	493610	9.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	322545	10.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	410947	10.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	403492	9.20	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	205555	12.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	223880	13.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	468743	10.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	398254	8.62	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	1497123	10.90	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1825917	11.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	110065	5.39	ng/ul	0.00
57) Fluorene-d10	15.50	176	1268570	10.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	34774	2.21	ng/ul	0.00
70) Anthracene-d10	17.35	188	1777115	11.46	ng/ul	0.00
76) Pyrene-d10	19.64	212	1604752	13.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1527542	11.63	ng/ul	0.00

Target Compounds

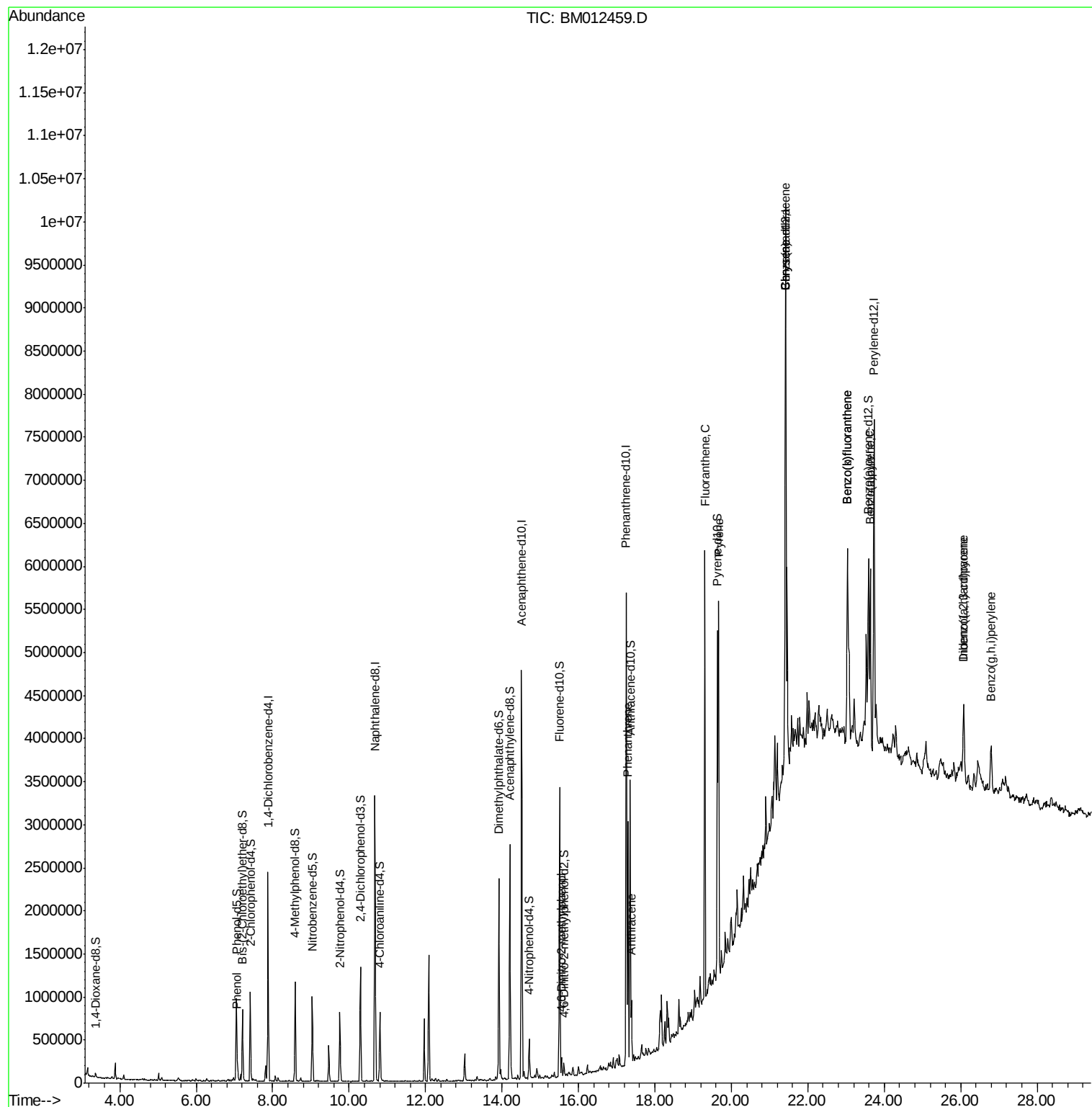
					Ovalue	
6) Phenol	7.07	94	87313	1.63	ng/ul	92
63) 4,6-Dinitro-2-methylphenol	15.56	198	26941	1.56	ng/ul#	64
69) Phenanthrene	17.30	178	1647628	9.36	ng/ul	99
71) Anthracene	17.39	178	441571	2.43	ng/ul	100
74) Fluoranthene	19.30	202	3013084	15.11	ng/ul#	93
77) Pyrene	19.67	202	2637124	18.28	ng/ul#	94
80) Benzo(a)anthracene	21.41	228	1446260	9.52	ng/ul	95
82) Chrysene	21.41	228	1446260	10.71	ng/ul	98
85) Benzo(b)fluoranthene	23.04	252	1846479	10.80	ng/ul#	95
86) Benzo(k)fluoranthene	23.04	252	1846479	11.48	ng/ul#	93
88) Benzo(a)pyrene	23.63	252	1412140	8.66	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.07	276	946217	4.93	ng/ul	95
90) Dibenzo(a,h)anthracene	26.09	278	248393	1.53	ng/ul#	79
91) Benzo(g,h,i)perylene	26.80	276	729621	4.69	ng/ul#	94

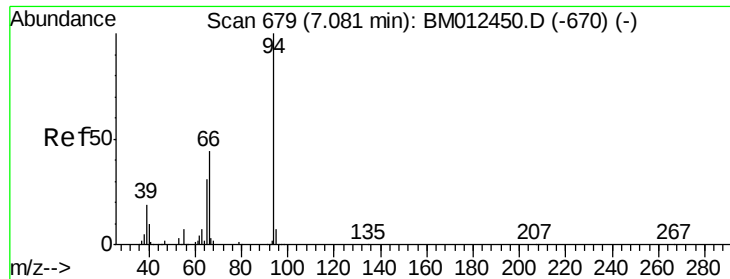
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
ClientSampled :

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 05:23:19 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.63 ng/ul

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

Instrument :

BNA_M

ClientSampleId :

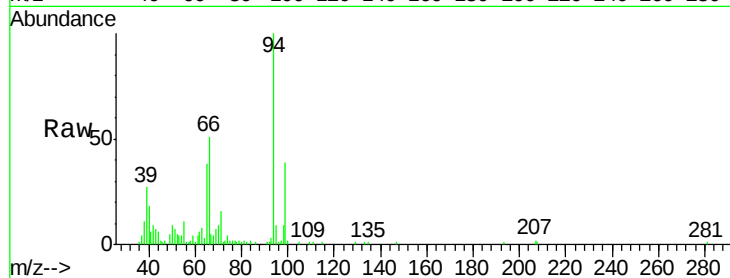
Tot Ion: 94 Resp: 87313

Ion Ratio Lower Upper

94 100

65 38.4 28.2 42.4

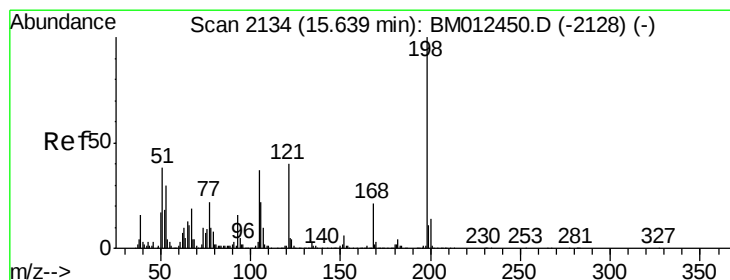
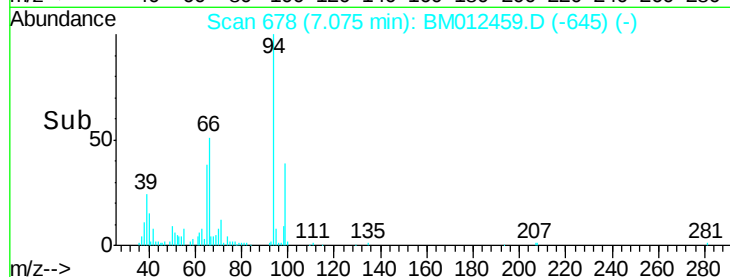
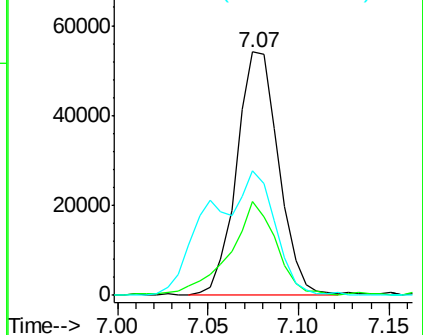
66 51.2 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM012450.D (-670) (-)

Ion 65.00 (64.70 to 65.70): BM012450.D (-670) (-)

Ion 66.00 (65.70 to 66.70): BM012450.D (-670) (-)



#63

4,6-Dinitro-2-methylphenol

Concen: 1.56 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.08 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

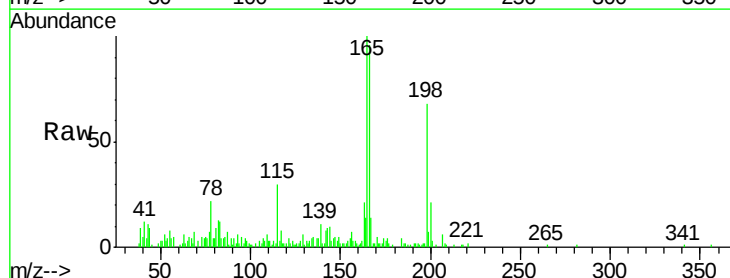
Tgt Ion: 198 Resp: 26941

Ion Ratio Lower Upper

198 100

182 0.0 3.8 5.6#

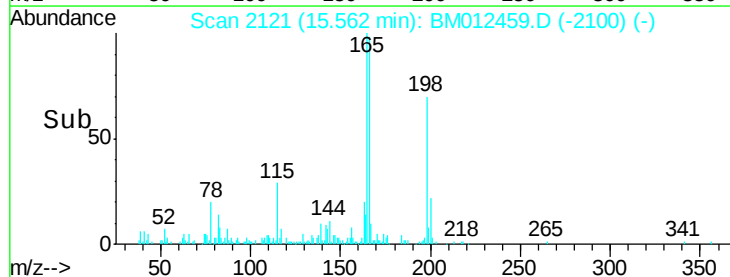
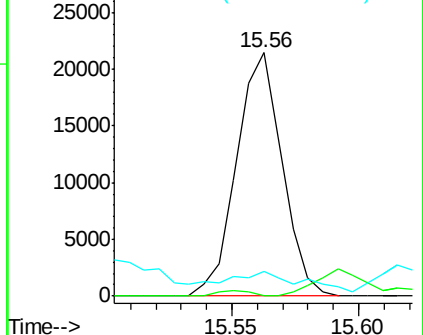
77 10.0 25.2 37.8#

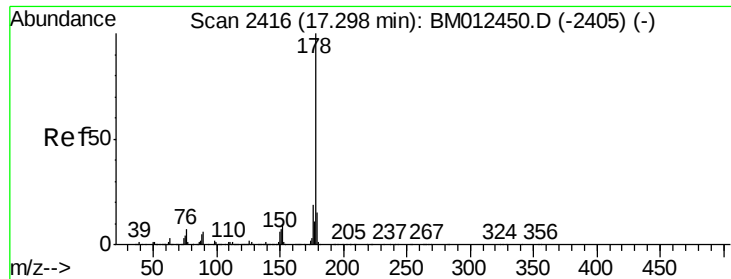


Abundance Ion 198.00 (197.70 to 198.70): BM012450.D (-2128) (-)

Ion 182.00 (181.70 to 182.70): BM012450.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): BM012450.D (-2128) (-)





#69

Phenanthrene

Concen: 9.36 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

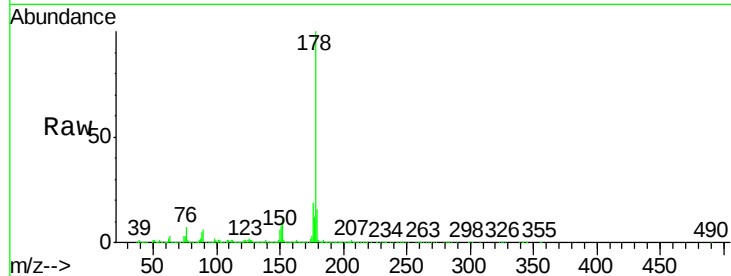
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1647628

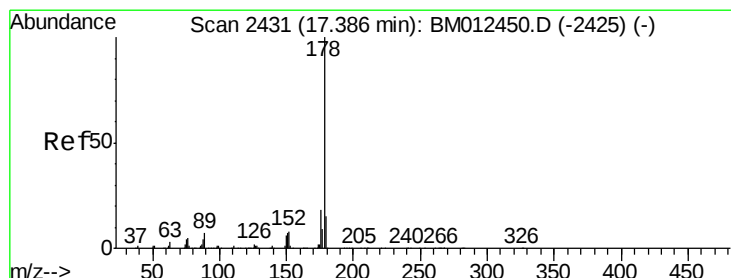
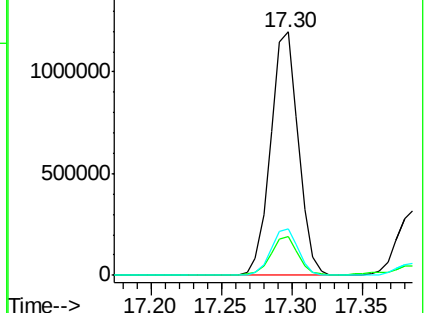
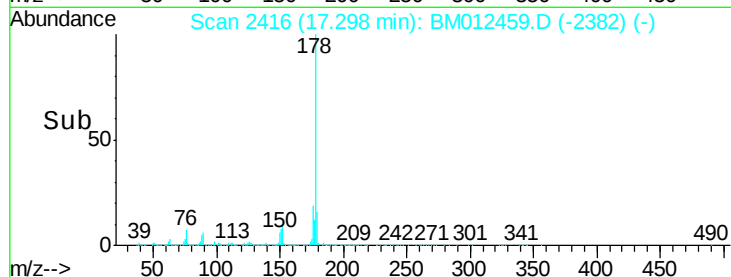
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.4	14.9	22.3



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: 2.43 ng/ul

RT: 17.39 min Scan# 2431

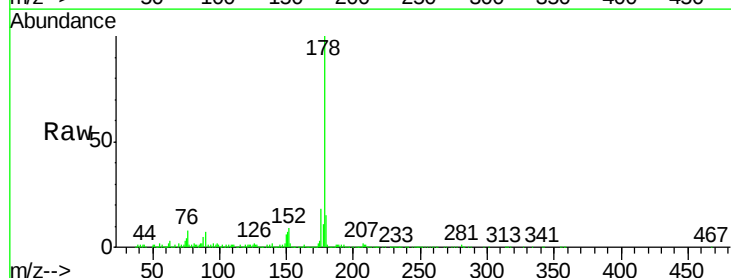
Delta R.T. -0.00 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

Tgt Ion:178 Resp: 441571

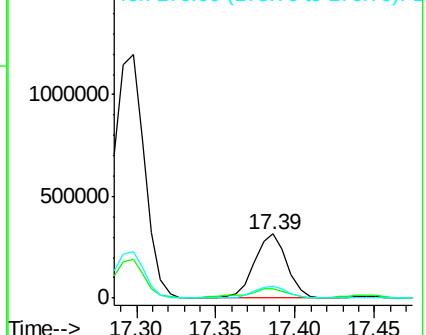
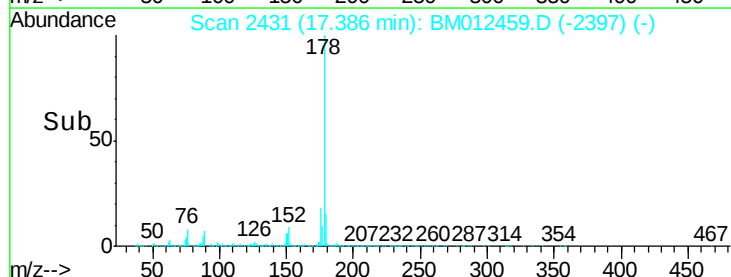
Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	18.2	14.6	21.8

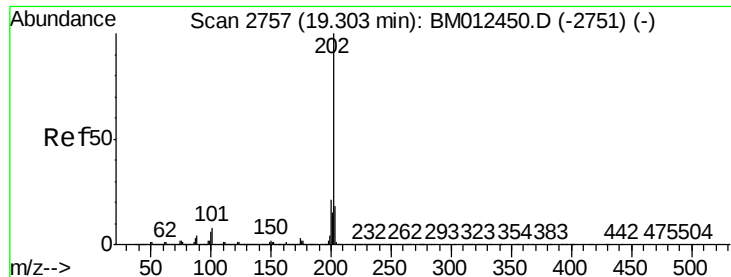


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

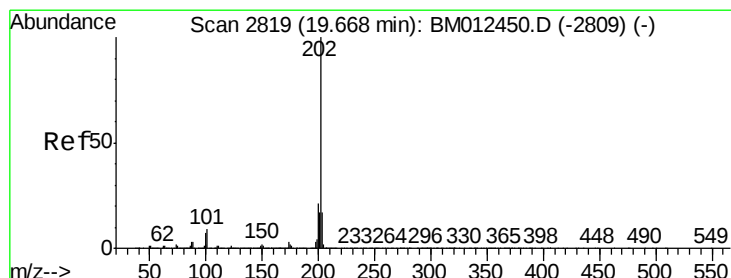
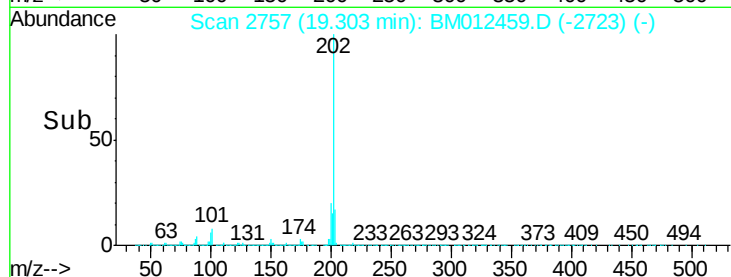
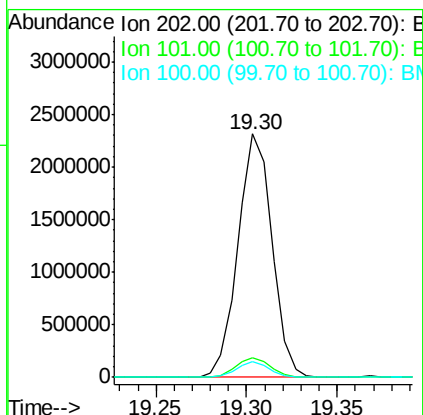
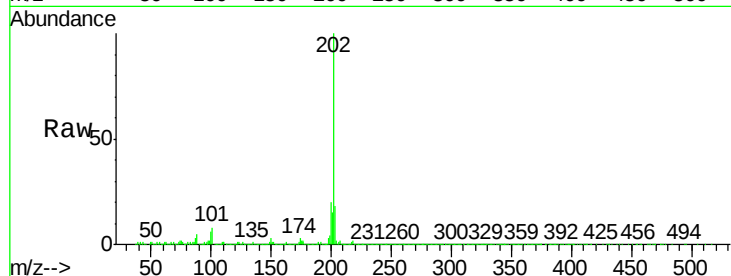




#74
 Fluoranthene
 Concen: 15.11 ng/ul
 RT: 19.30 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: BM012459.D
 Acq: 26 Oct 2017 00:13

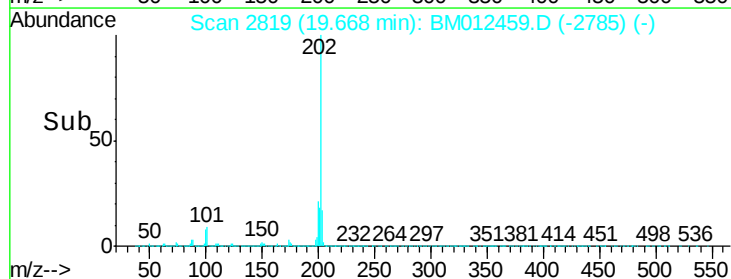
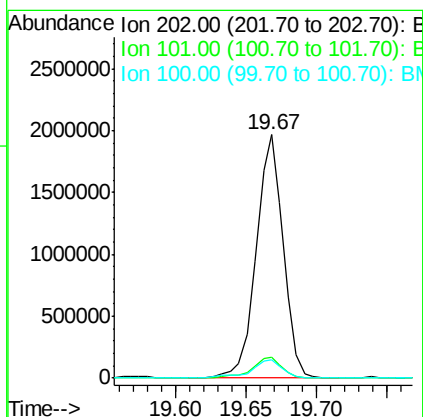
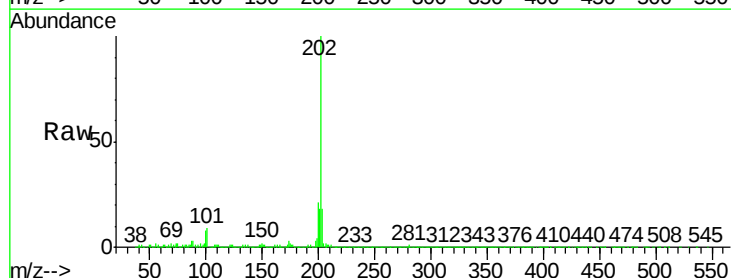
Instrument :
 BNA_M
 ClientSampleId :

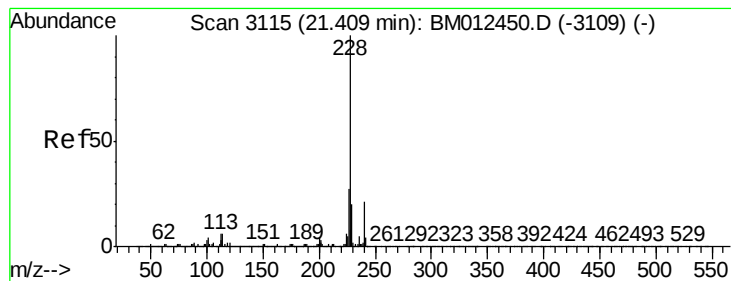
Tot Ion:202 Resp: 3013084
 Ion Ratio Lower Upper
 202 100
 101 8.1 4.6 7.0#
 100 6.3 3.4 5.2#



#77
 Pyrene
 Concen: 18.28 ng/ul
 RT: 19.67 min Scan# 2819
 Delta R.T. -0.00 min
 Lab File: BM012459.D
 Acq: 26 Oct 2017 00:13

Tgt Ion:202 Resp: 2637124
 Ion Ratio Lower Upper
 202 100
 101 8.7 5.1 7.7#
 100 7.5 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 9.52 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

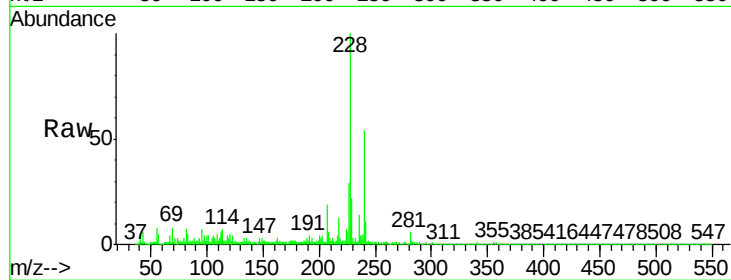
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1446260

Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.4	23.0
226	29.1	21.4	32.0

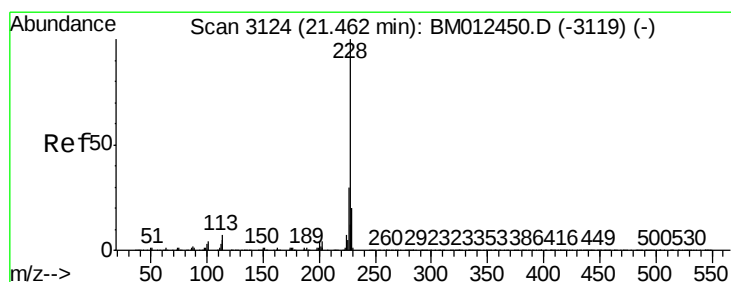
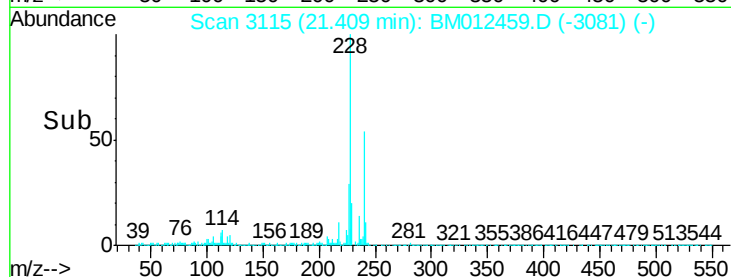
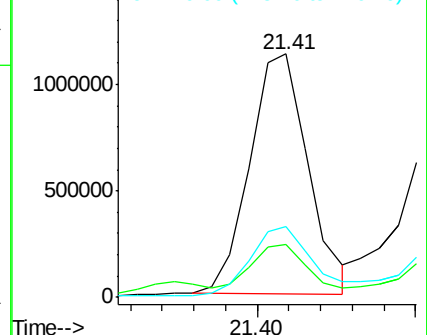


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 10.71 ng/ul

RT: 21.41 min Scan# 3115

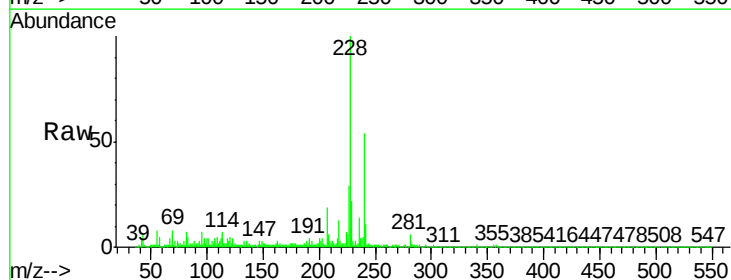
Delta R.T. -0.05 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

Tgt Ion:228 Resp: 1446260

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	21.7	15.5	23.3

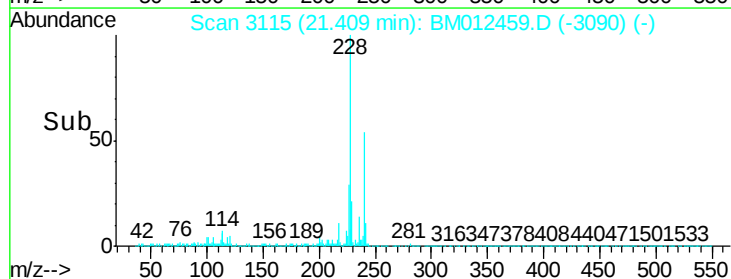
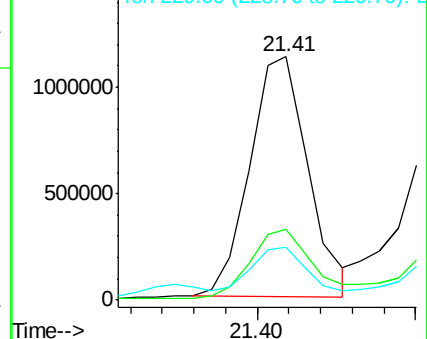


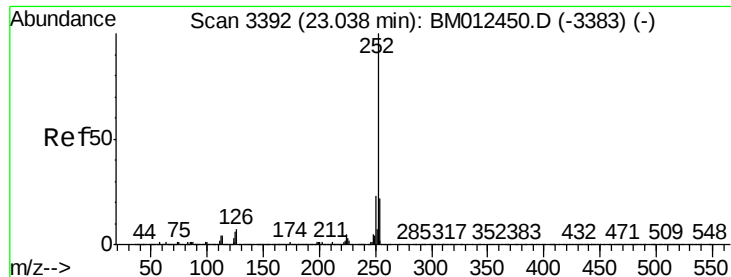
Abundance

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: 10.80 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.00 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

Instrument :

BNA_M

ClientSampleId :

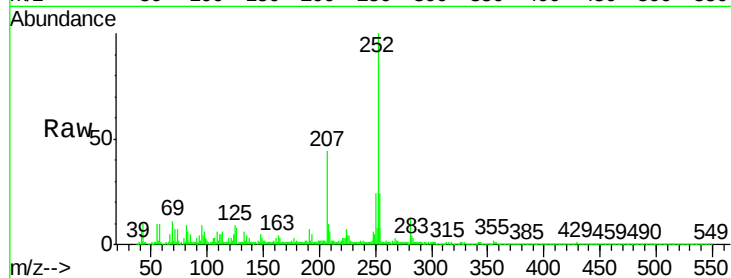
Tot Ion:252 Resp: 1846479

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

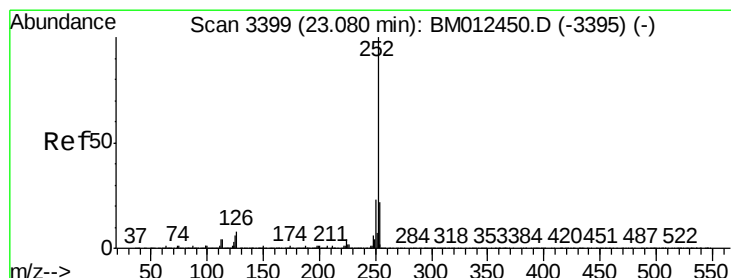
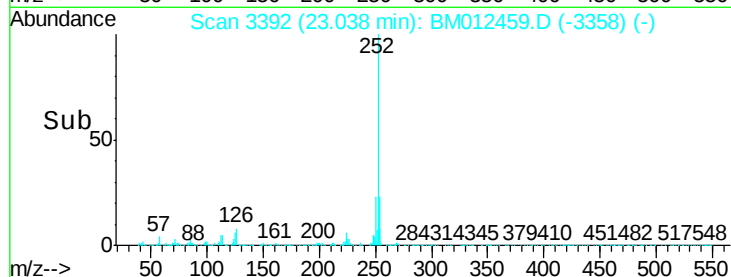
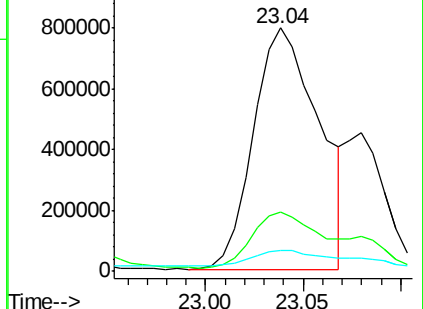
125 8.5 3.6 5.4#



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: 11.48 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.04 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

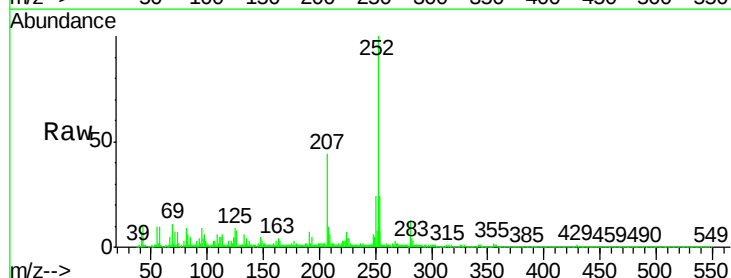
Tgt Ion:252 Resp: 1846479

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

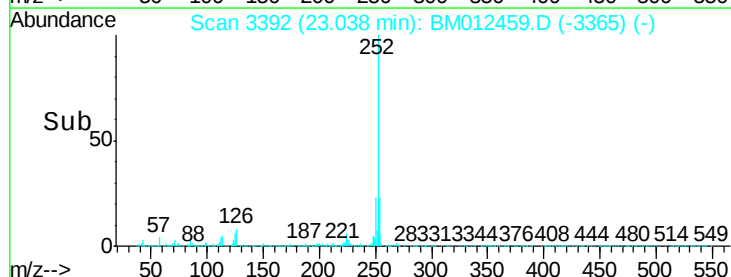
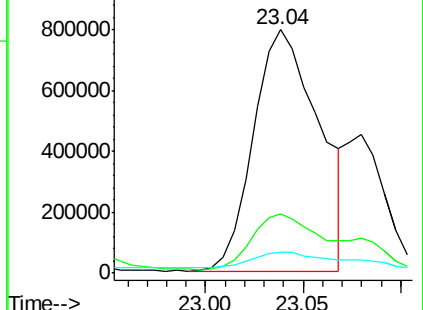
125 8.5 3.4 5.2#

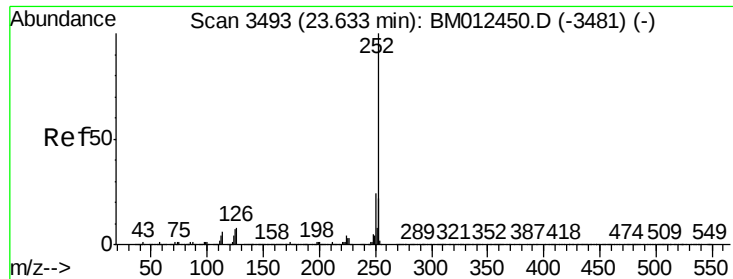


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 8.66 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. -0.00 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

Instrument :

BNA_M

ClientSampled :

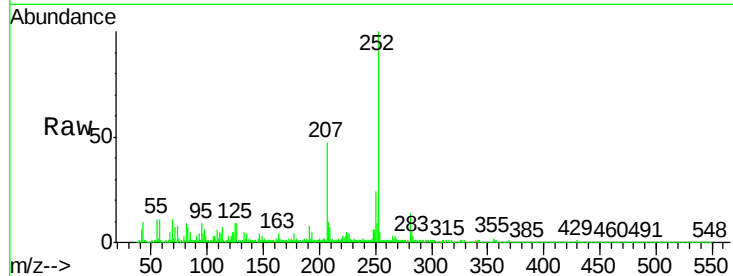
Tot Ion:252 Resp: 1412140

Ion Ratio Lower Upper

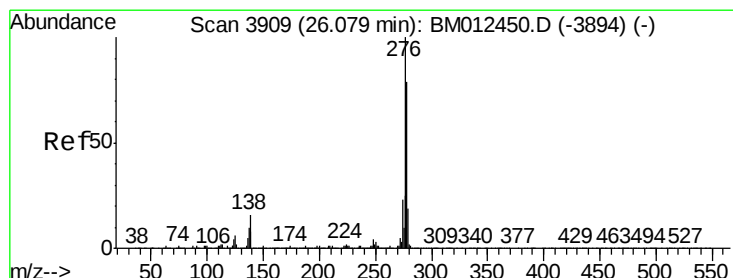
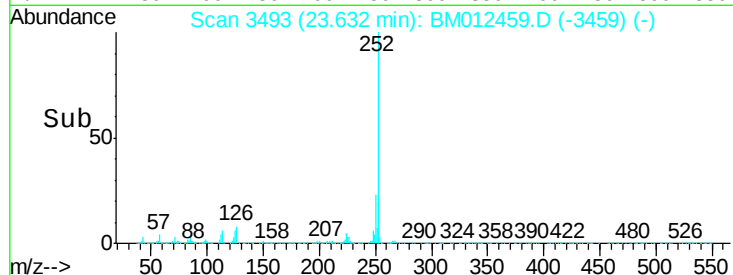
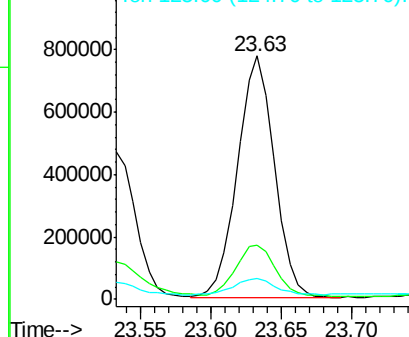
252 100

253 22.5 18.2 27.2

125 8.7 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: 4.93 ng/ul

RT: 26.07 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BM012459.D

Acq: 26 Oct 2017 00:13

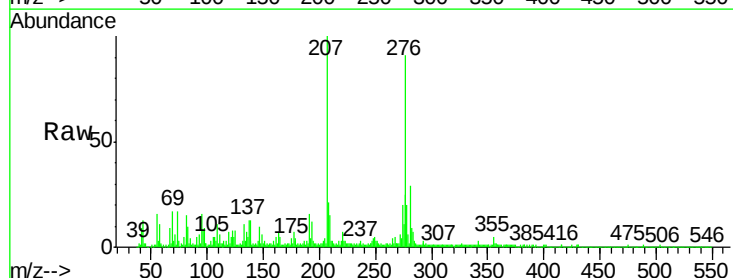
Tgt Ion:276 Resp: 946217

Ion Ratio Lower Upper

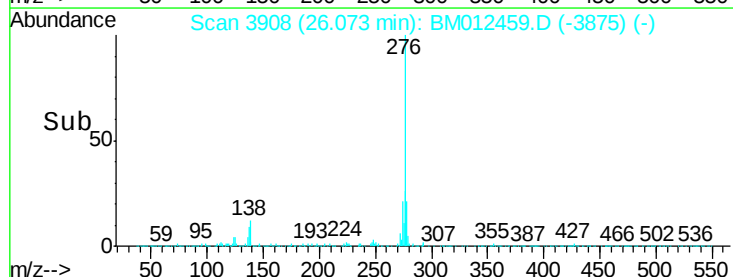
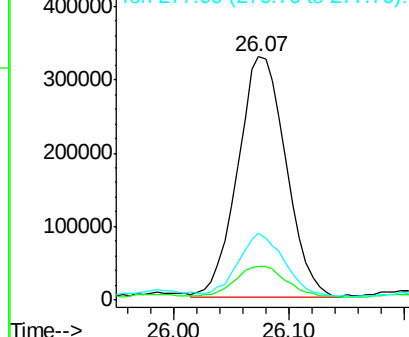
276 100

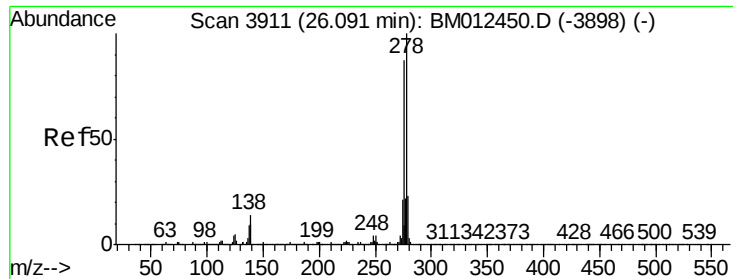
138 13.7 9.3 13.9

277 27.3 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

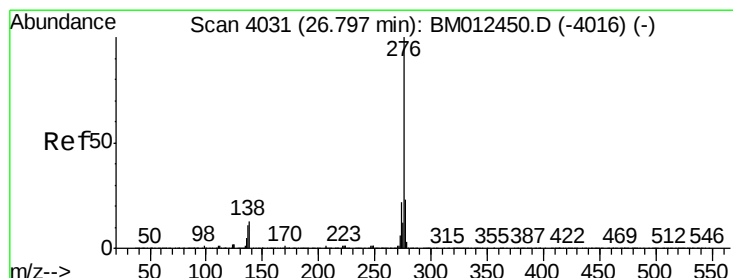
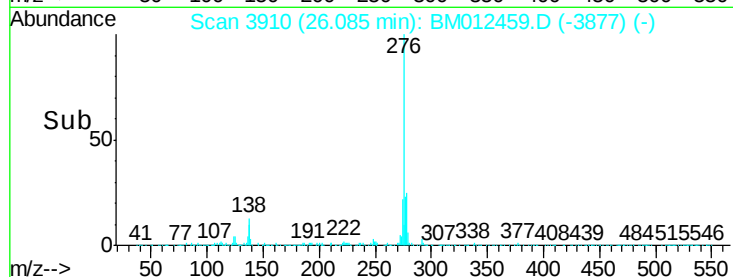
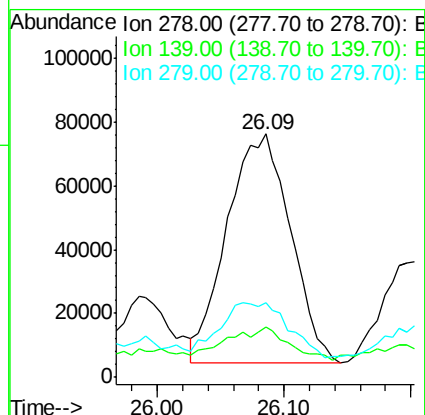
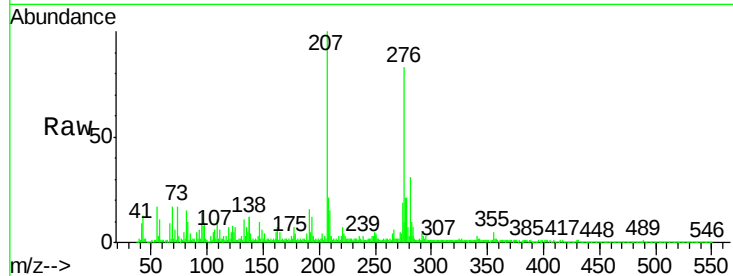




#90
Dibenzo(a,h)anthracene
Concen: 1.53 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012459.D
Acq: 26 Oct 2017 00:13

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 248393
Ion Ratio Lower Upper
278 100
139 20.5 5.8 8.8#
279 30.8 18.6 27.8#



#91
Benzo(g,h,i)perylene
Concen: 4.69 ng/ul
RT: 26.80 min Scan# 4031
Delta R.T. -0.00 min
Lab File: BM012459.D
Acq: 26 Oct 2017 00:13

Tgt Ion:276 Resp: 729621
Ion Ratio Lower Upper
276 100
138 14.5 8.5 12.7#
277 25.5 18.6 28.0

