

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
 Data File : BM023067.D
 Acq On : 09 Oct 2019 04:47
 Operator : JU
 Sample : K5028-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 09 06:40:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 09 05:18:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	188563	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	778315	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.41	164	447481	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.15	188	850345	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	846637	20.00	ng/ul	0.00
86) Perylene-d12	23.58	264	996326	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	24475	5.61	ng/uL	0.00
5) Phenol-d5	6.94	99	125562	7.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	247863	27.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	317725	23.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	217400	15.94	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	179770	29.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	197015	30.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	363992	27.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	264360	16.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	1072149	30.87	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	1265448	31.56	ng/ul	0.00
52) 4-Nitrophenol-d4	14.61	143	48100	7.01	ng/ul	0.00
58) Fluorene-d10	15.40	176	896722	30.30	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	140138	25.32	ng/ul	0.00
71) Anthracene-d10	17.25	188	1340400	32.28	ng/ul	0.00
79) Pyrene-d10	19.54	212	1476442	32.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	1689369	32.78	ng/ul	0.00

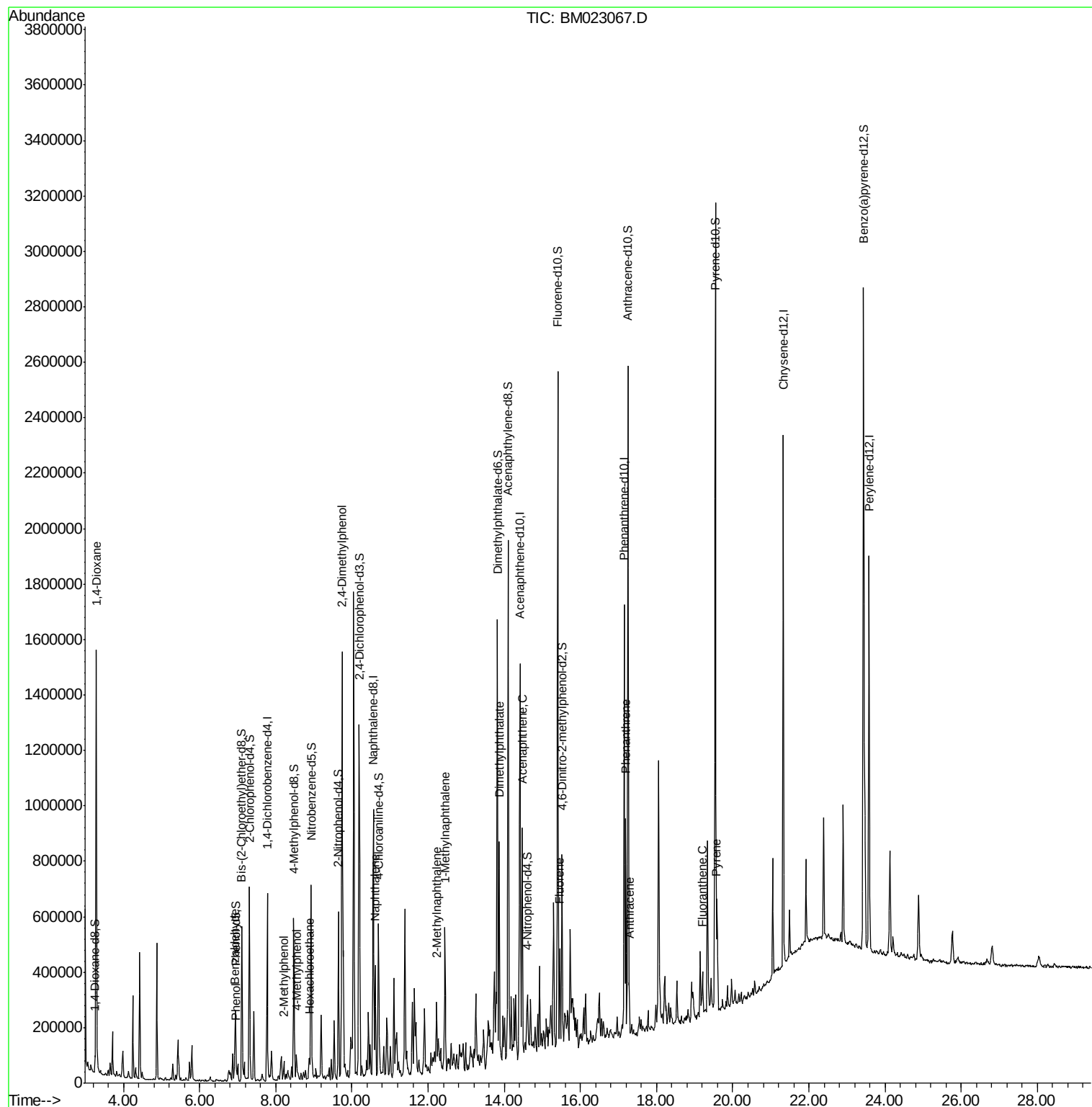
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.29	88	4756	1.103	ng/uL#	1
4) Benzaldehyde	6.92	77	23025	3.049	ng/ul#	37
6) Phenol	6.97	94	18610	1.066	ng/ul	97
11) 2-Methylphenol	8.22	108	22500	1.671	ng/ul	100
16) 4-Methylphenol	8.54	108	37394	2.512	ng/ul	95
17) Hexachloroethane	8.88	117	8153	1.491	ng/ul#	6
24) 2,4-Dimethylphenol	9.74	107	544260	37.262	ng/ul	99
28) Naphthalene	10.61	128	312849	7.443	ng/ul	99
34) 2-Methylnaphthalene	12.23	142	116894	3.709	ng/ul	99
35) 1-Methylnaphthalene	12.45	142	213537	7.094	ng/ul	98
45) Dimethylphthalate	13.87	163	494859	13.871	ng/ul	99
50) Acenaphthene	14.47	153	330152	10.949	ng/ul	100
59) Fluorene	15.46	166	155826	4.477	ng/ul	100
70) Phenanthrene	17.19	178	417538	8.227	ng/ul	100
72) Anthracene	17.28	178	93938	1.817	ng/ul	98
77) Fluoranthene	19.20	202	85456	1.497	ng/ul#	96
80) Pyrene	19.57	202	102931	1.715	ng/ul	97

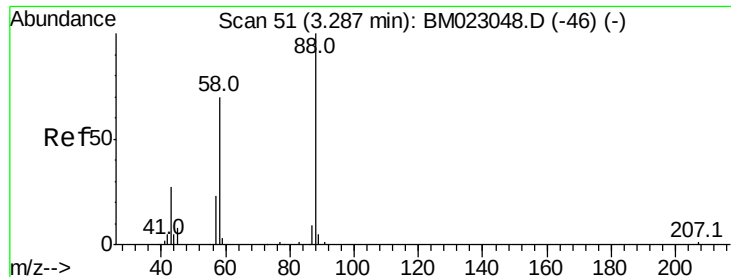
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.103 ng/uL

RT: 3.29 min Scan# 51

Delta R.T. -0.00 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

Instrument :

BNA_M

ClientSampled :

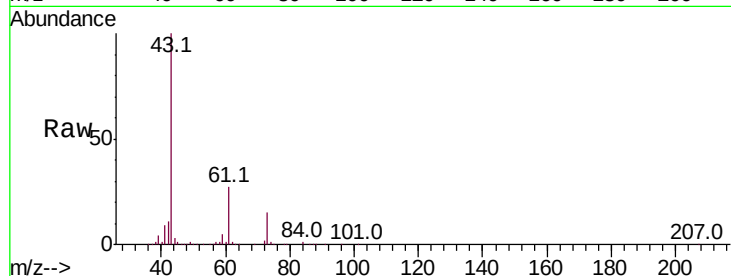
Tot Ion: 88 Resp: 4756

Ion Ratio Lower Upper

88 100

43 22019.5 25.3 37.9#

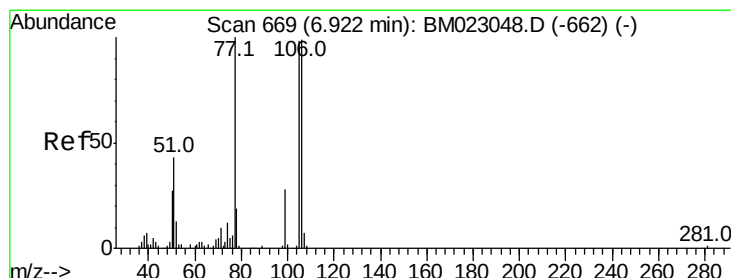
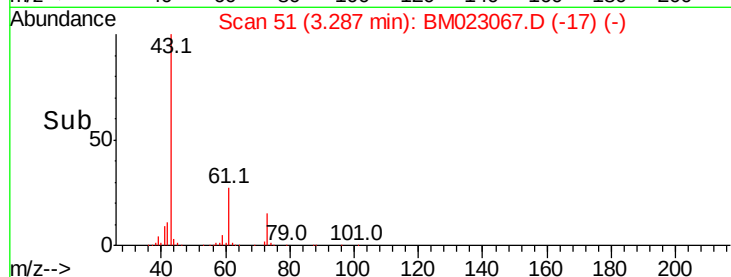
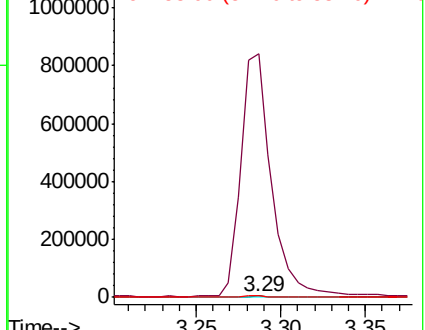
58 121.5 56.6 84.8#



Abundance Ion 88.00 (87.70 to 88.70): BM023048.D (-46) (-)

Ion 43.00 (42.70 to 43.70): BM023048.D (-46) (-)

Ion 58.00 (57.70 to 58.70): BM023048.D (-46) (-)



#4

Benzaldehyde

Concen: 3.049 ng/uL

RT: 6.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

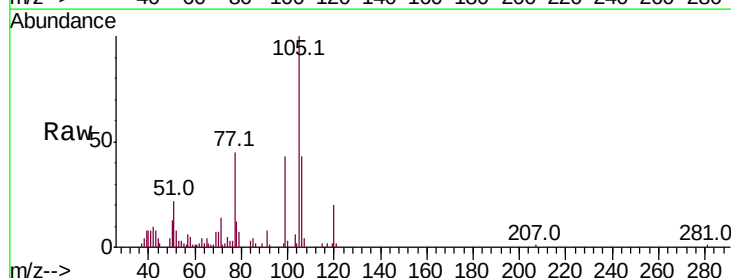
Tgt Ion: 77 Resp: 23025

Ion Ratio Lower Upper

77 100

105 221.9 80.6 120.8#

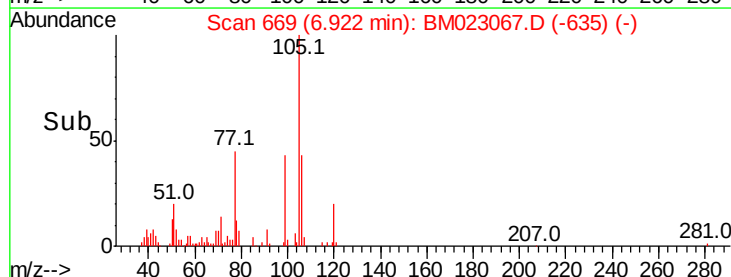
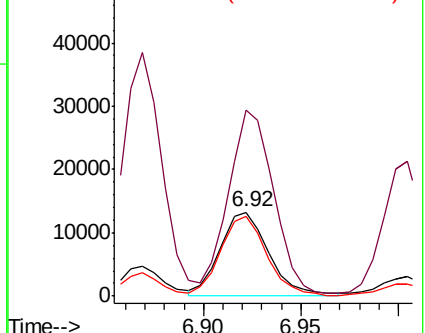
106 94.4 77.0 115.6

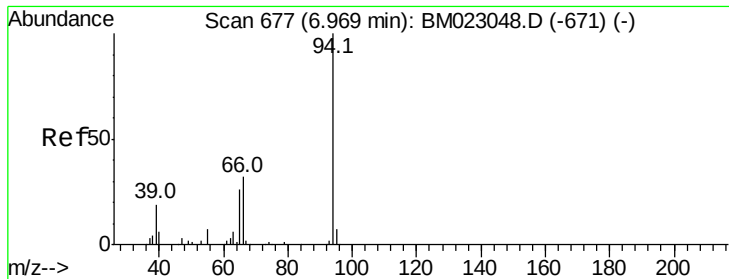


Abundance Ion 77.00 (76.70 to 77.70): BM023048.D (-662) (-)

Ion 105.00 (104.70 to 105.70): BM023048.D (-662) (-)

Ion 106.00 (105.70 to 106.70): BM023048.D (-662) (-)





#6

Phenol

Concen: 1.066 ng/ul

RT: 6.97 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

Instrument :

BNA_M

ClientSampleId :

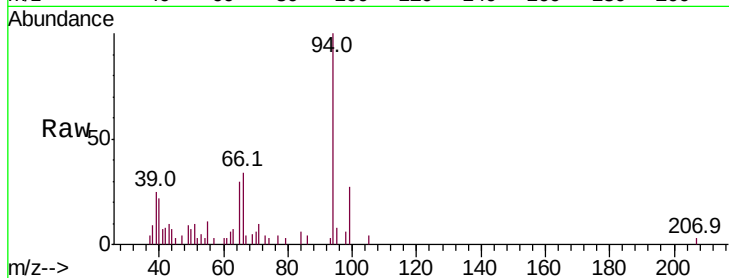
Tot Ion: 94 Resp: 18610

Ion Ratio Lower Upper

94 100

65 29.6 20.9 31.3

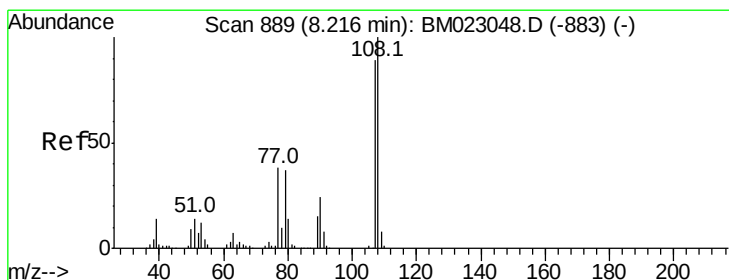
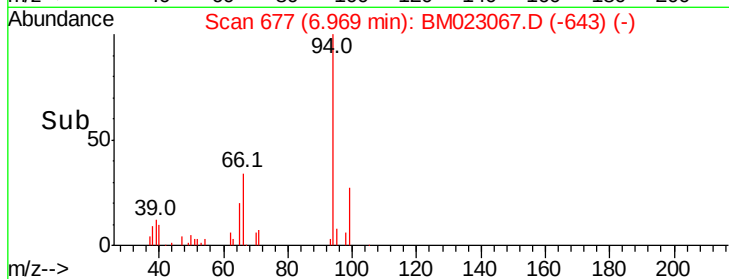
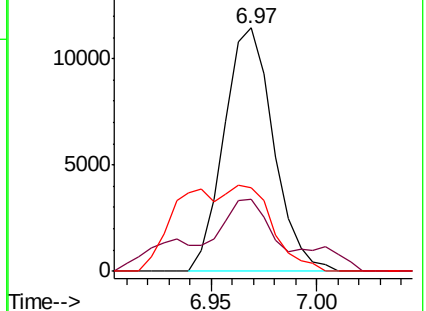
66 34.5 27.2 40.8



Abundance Ion 94.00 (93.70 to 94.70): BM023048.D (-671) (-)

Ion 65.00 (64.70 to 65.70): BM023048.D (-671) (-)

Ion 66.00 (65.70 to 66.70): BM023048.D (-671) (-)



#11

2-Methylphenol

Concen: 1.671 ng/ul

RT: 8.22 min Scan# 889

Delta R.T. -0.00 min

Lab File: BM023067.D

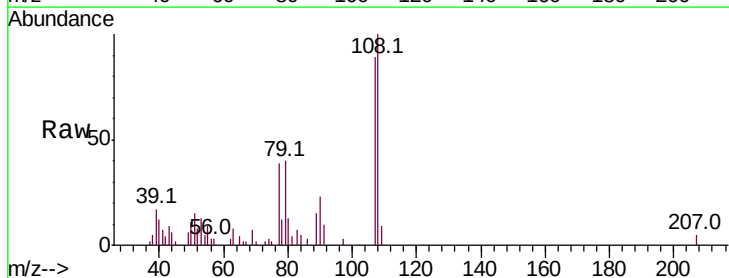
Acq: 09 Oct 2019 04:47

Tgt Ion: 108 Resp: 22500

Ion Ratio Lower Upper

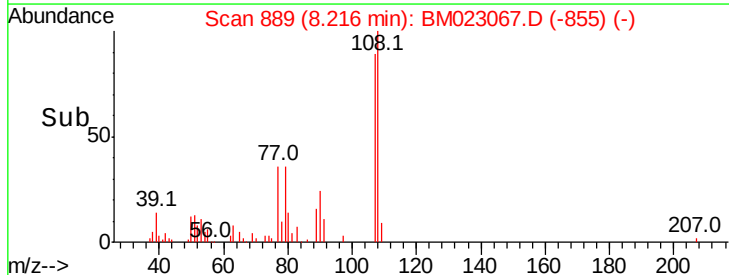
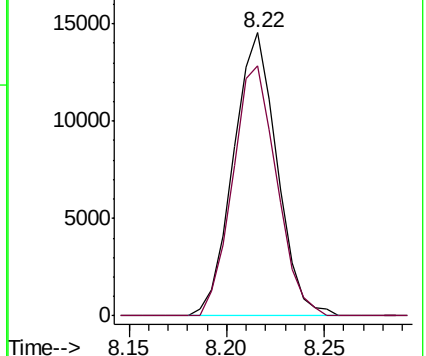
108 100

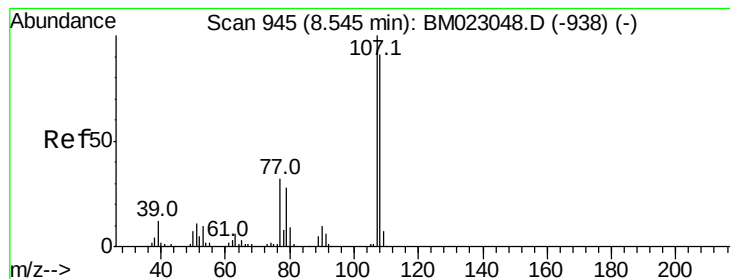
107 88.5 71.0 106.4



Abundance Ion 108.00 (107.70 to 108.70): BM023048.D (-883) (-)

Ion 107.00 (106.70 to 107.70): BM023048.D (-883) (-)





#16

4-Methylphenol

Concen: 2.512 ng/ul

RT: 8.54 min Scan# 944

Delta R.T. -0.01 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

Instrument :

BNA_M

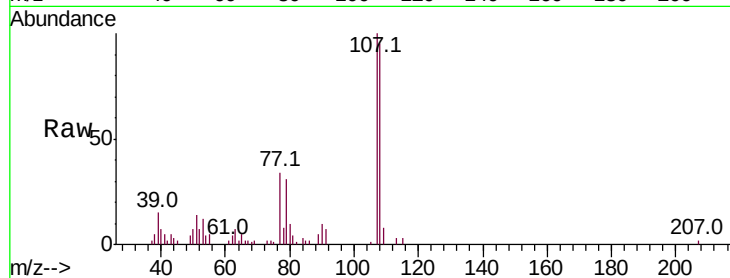
ClientSampled :

Tot Ion:108 Resp: 37394

Ion Ratio Lower Upper

108 100

107 104.7 87.9 131.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.54

25000

20000

15000

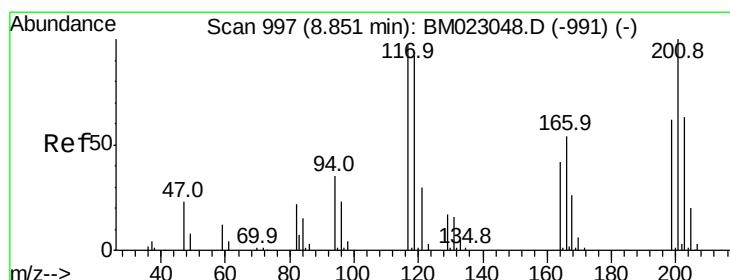
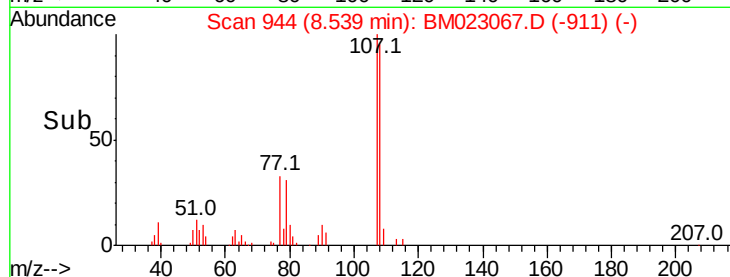
10000

5000

0

8.50 8.55 8.60

Time-->



#17

Hexachloroethane

Concen: 1.491 ng/ul

RT: 8.88 min Scan# 1002

Delta R.T. 0.03 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

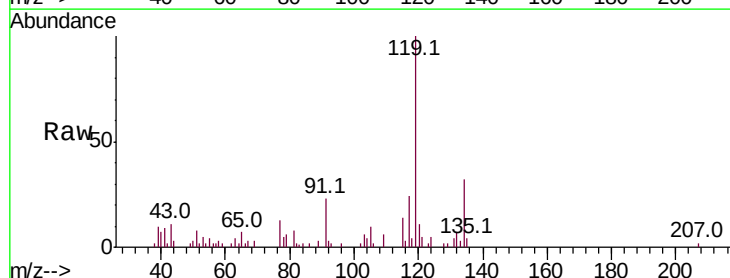
Tgt Ion:117 Resp: 8153

Ion Ratio Lower Upper

117 100

201 0.0 82.5 123.7#

199 0.0 51.6 77.4#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

15000

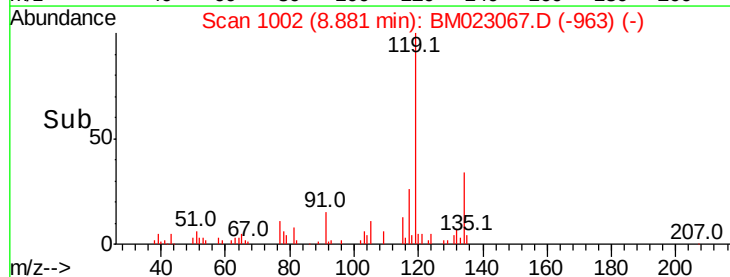
10000

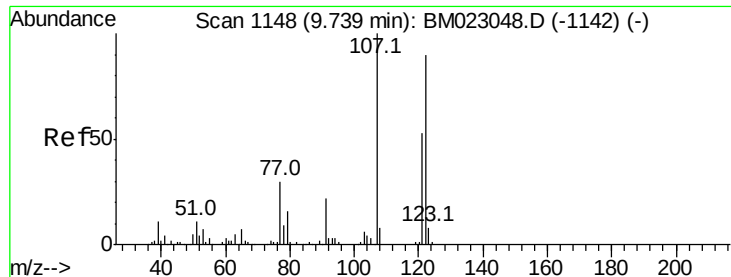
5000

0

8.85 8.90

Time-->





#24

2,4-Dimethylphenol

Concen: 37.262 ng/ul

RT: 9.74 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

Instrument :

BNA_M

ClientSampleId :

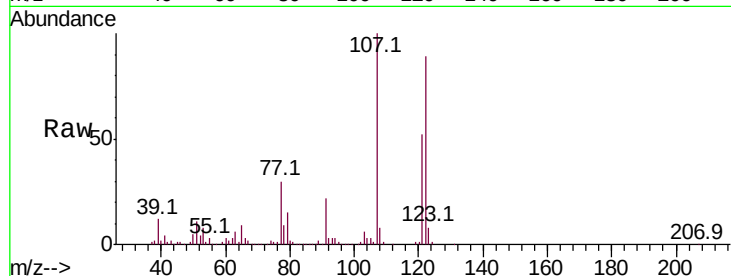
Tot Ion:107 Resp: 544260

Ion Ratio Lower Upper

107 100

121 51.9 43.0 64.4

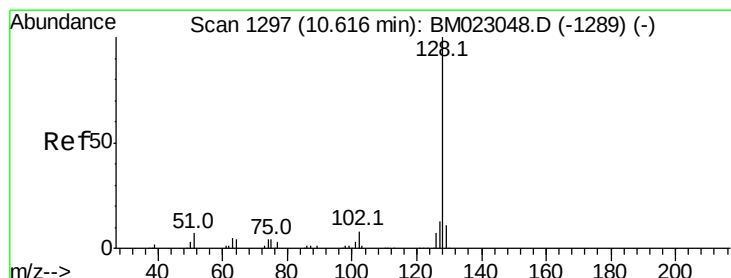
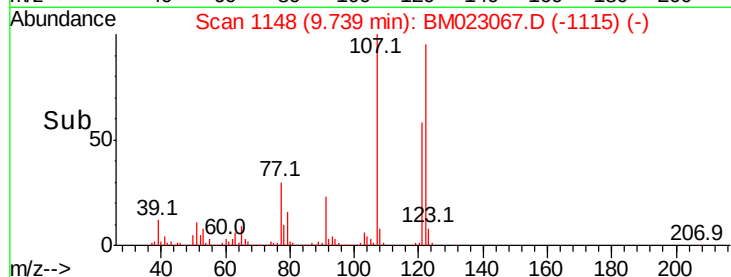
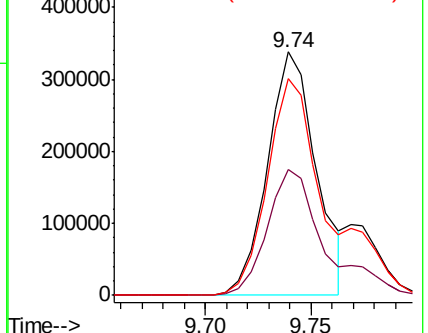
122 88.9 71.4 107.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 7.443 ng/ul

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

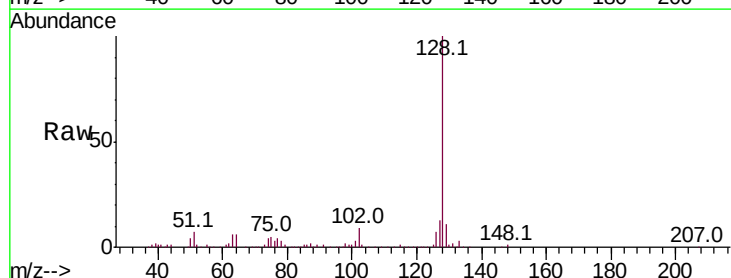
Tgt Ion:128 Resp: 312849

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

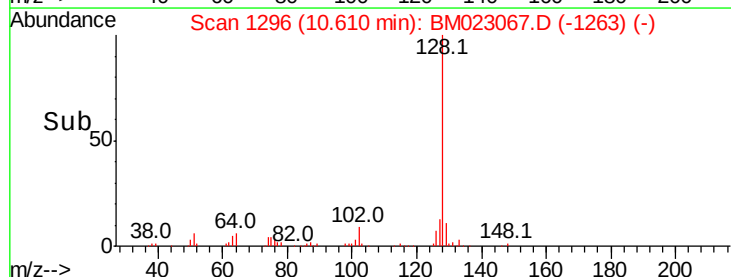
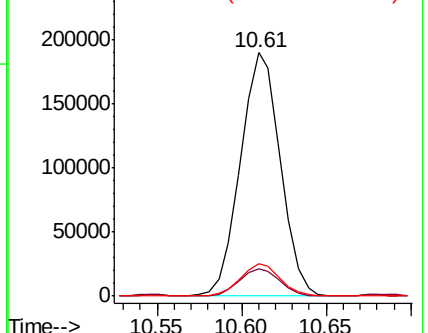
127 13.3 10.2 15.4

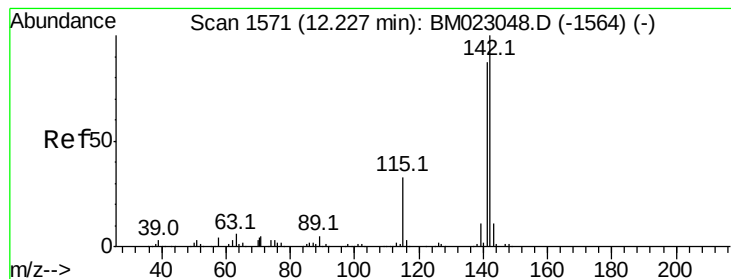


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 3.709 ng/ul

RT: 12.23 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

Instrument :

BNA_M

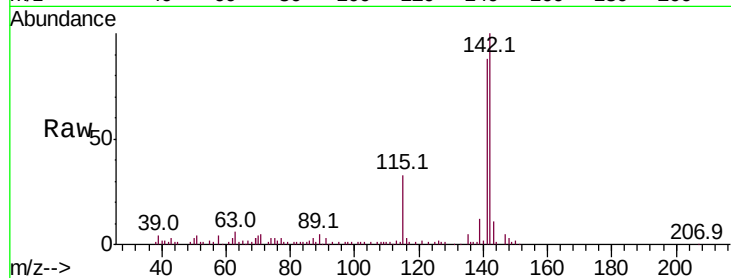
ClientSampleId :

Tot Ion:142 Resp: 116894

Ion Ratio Lower Upper

142 100

141 87.8 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.23

80000

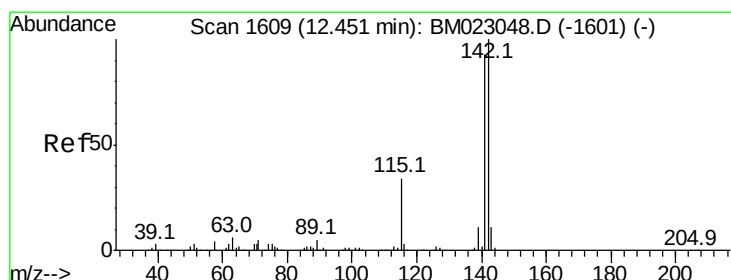
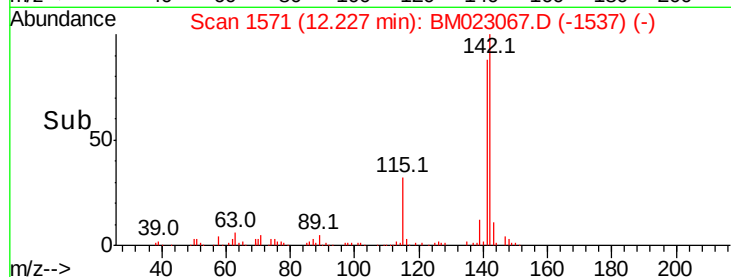
60000

40000

20000

0

Time--> 12.15 12.20 12.25



#35

1-Methylnaphthalene

Concen: 7.094 ng/ul

RT: 12.45 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

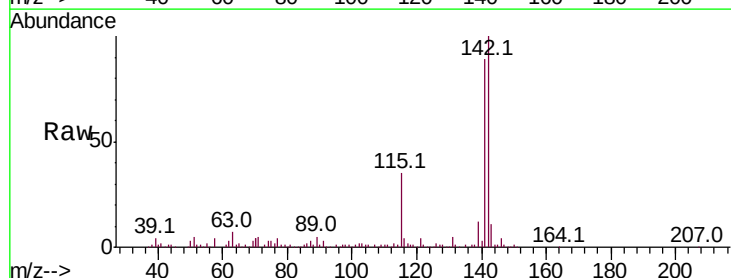
Tgt Ion:142 Resp: 213537

Ion Ratio Lower Upper

142 100

141 89.4 73.0 109.6

116 4.0 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.45

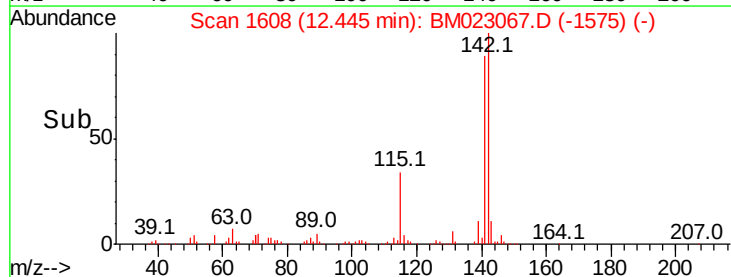
150000

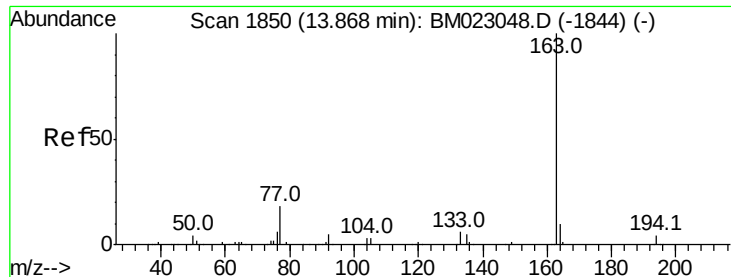
100000

50000

0

Time--> 12.40 12.45 12.50

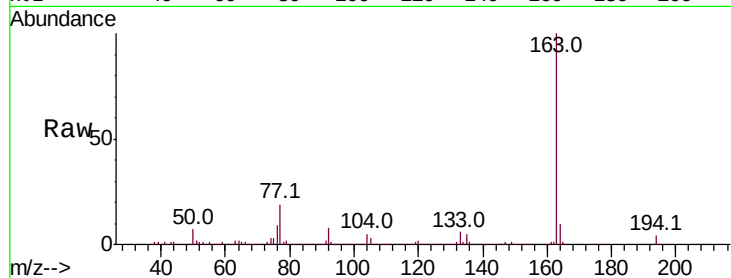




#45
Dimethylphthalate
Concen: 13.871 ng/ul
RT: 13.87 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BM023067.D
Acq: 09 Oct 2019 04:47

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.1	12.1

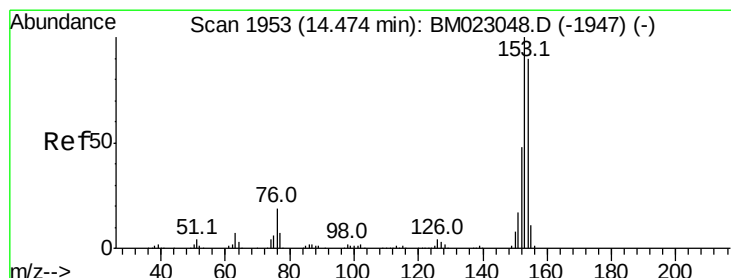
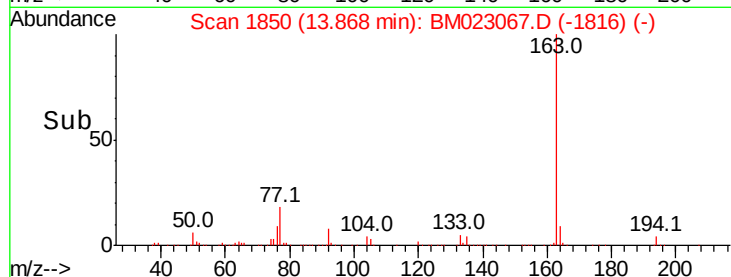
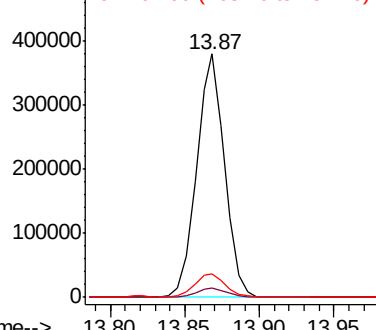


Abundance

Ion 163.00 (162.70 to 163.70): E

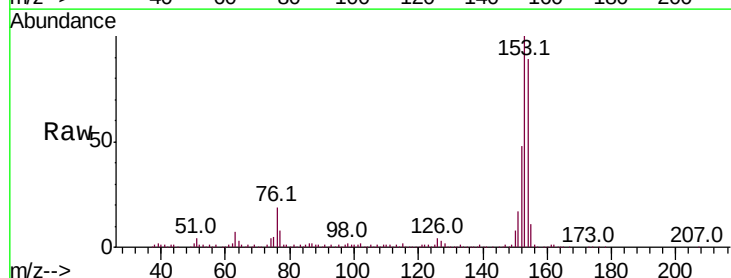
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
Acenaphthene
Concen: 10.949 ng/ul
RT: 14.47 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BM023067.D
Acq: 09 Oct 2019 04:47

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.6	38.1	57.1
154	89.1	71.1	106.7

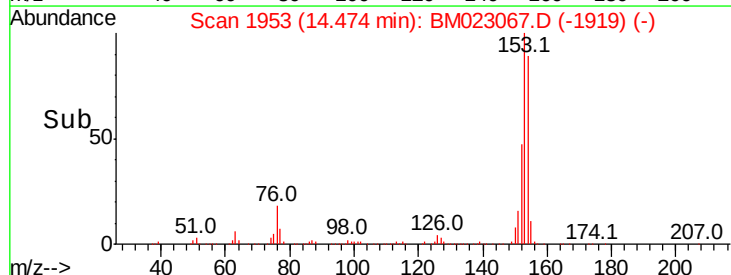
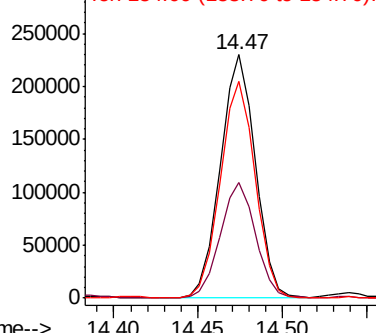


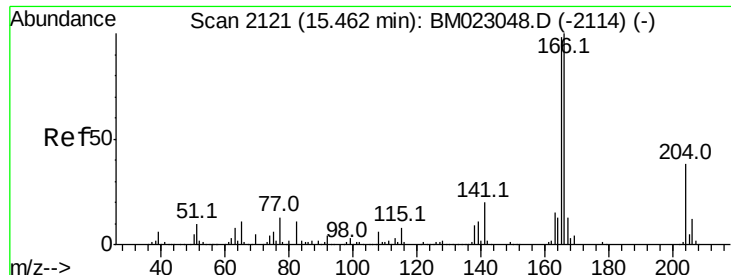
Abundance

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





#59

Fluorene

Concen: 4.477 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

Instrument :

BNA_M

ClientSampleId :

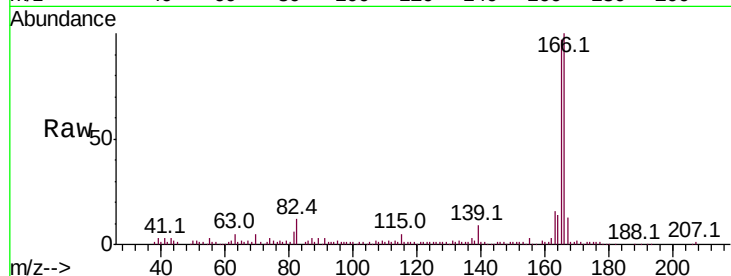
Tot Ion:166 Resp: 155826

Ion Ratio Lower Upper

166 100

165 97.1 77.7 116.5

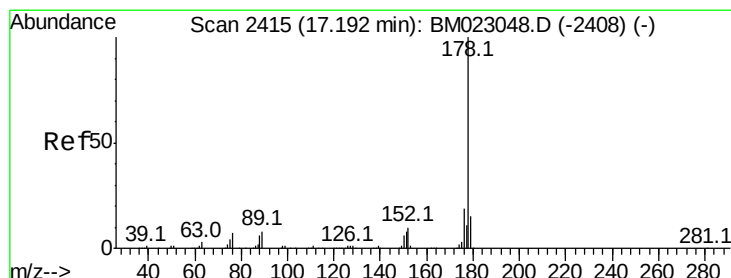
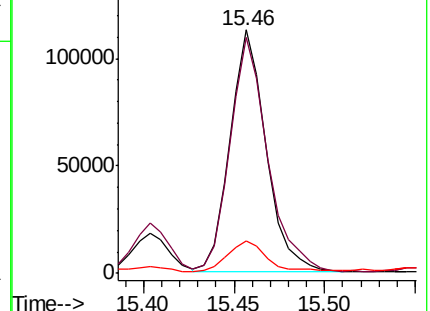
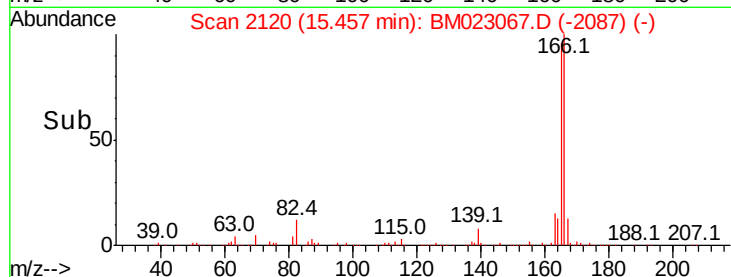
167 13.4 11.0 16.4



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



#70

Phenanthrene

Concen: 8.227 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM023067.D

Acq: 09 Oct 2019 04:47

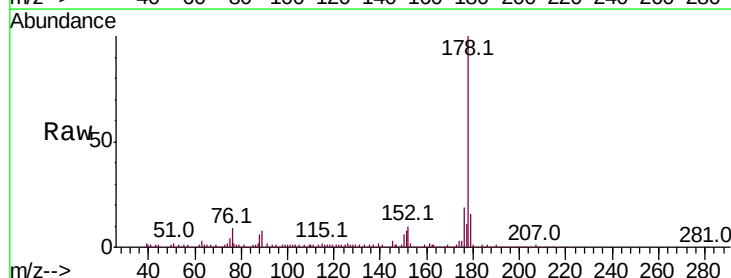
Tgt Ion:178 Resp: 417538

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

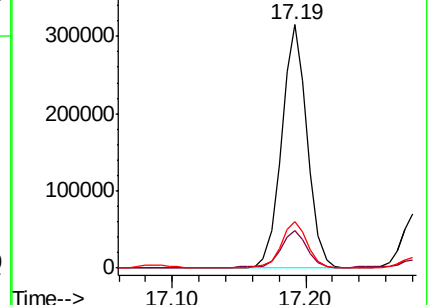
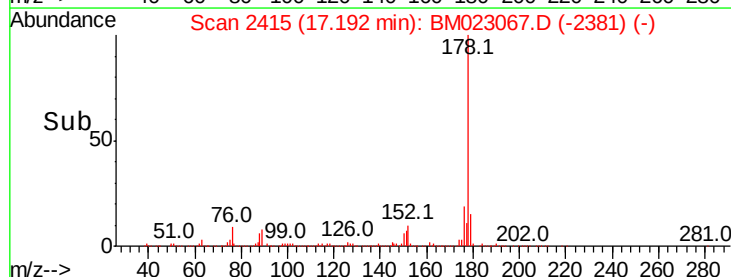
176 19.0 15.3 22.9

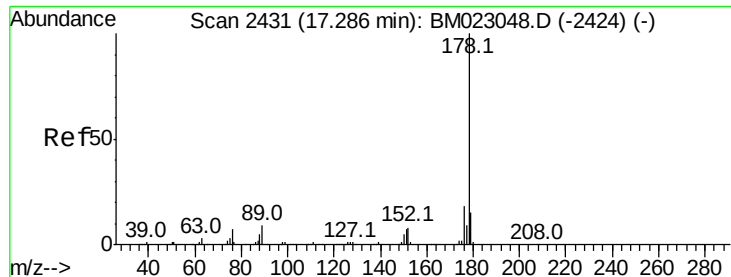


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

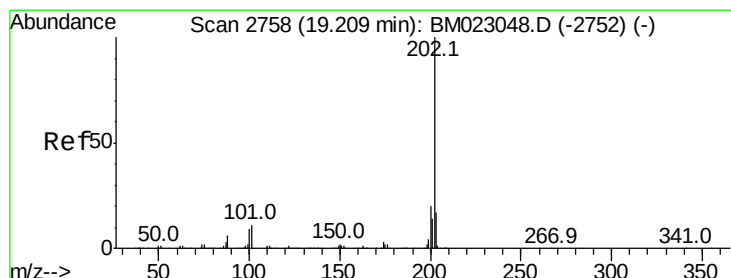
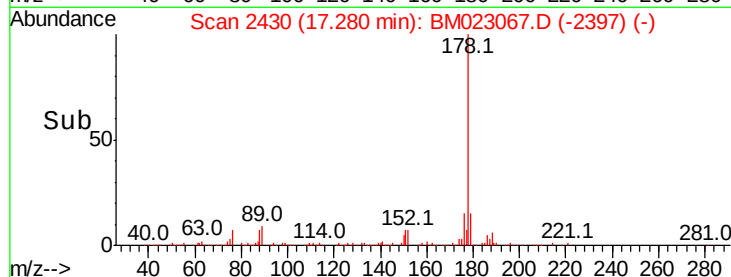
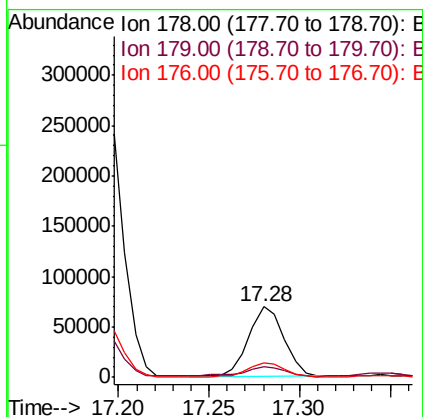
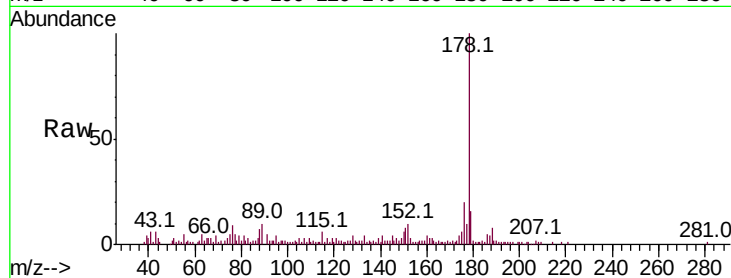




#72
 Anthracene
 Concen: 1.817 ng/ul
 RT: 17.28 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM023067.D
 Acq: 09 Oct 2019 04:47

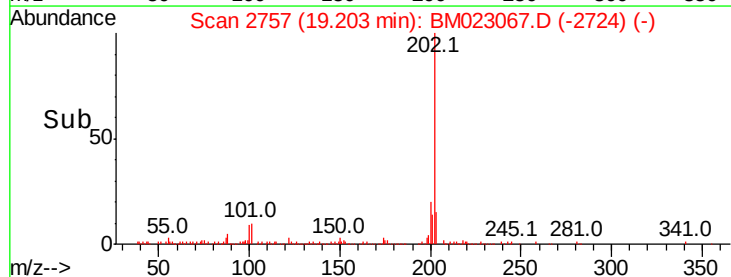
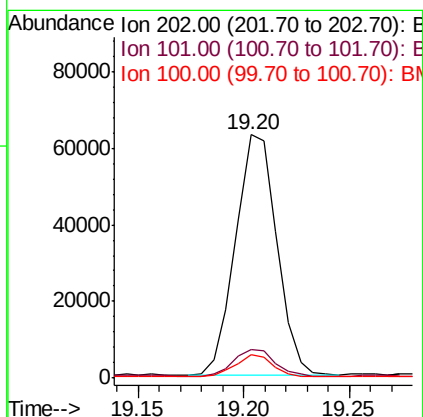
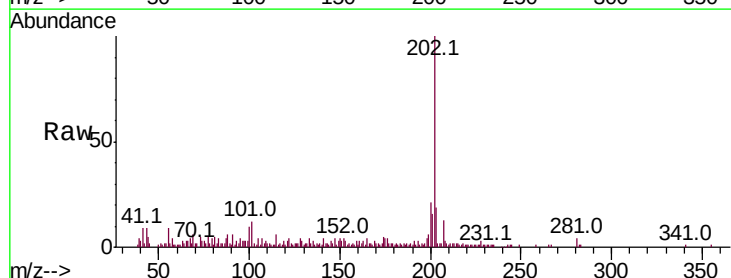
Instrument :
 BNA_M
 ClientSampleId :

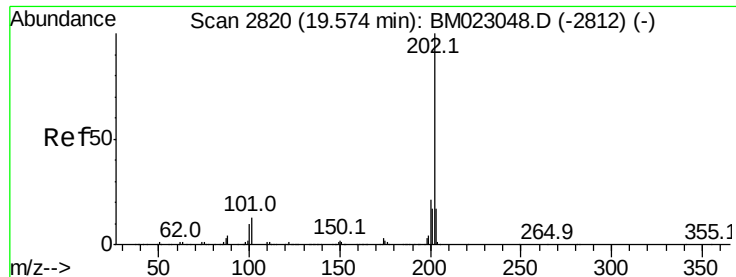
Tot Ion:178 Resp: 93938
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.4 18.6
 176 20.2 15.0 22.6



#77
 Fluoranthene
 Concen: 1.497 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. -0.01 min
 Lab File: BM023067.D
 Acq: 09 Oct 2019 04:47

Tgt Ion:202 Resp: 85456
 Ion Ratio Lower Upper
 202 100
 101 11.9 8.6 12.8
 100 9.6 6.4 9.6#

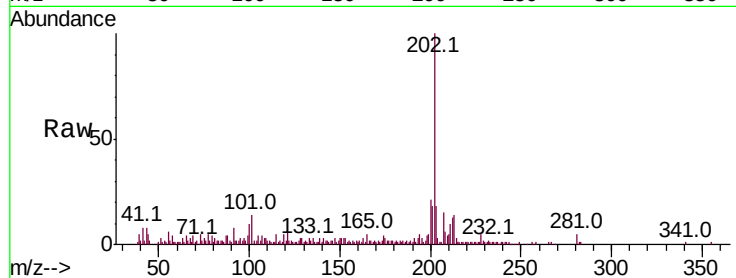




#80
 Pvrene
 Concen: 1.715 ng/ul
 RT: 19.57 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BM023067.D
 Acq: 09 Oct 2019 04:47

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.2	9.7	14.5
100	10.0	7.8	11.8



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): BM

