

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100119\
 Data File : BM022891.D
 Acq On : 02 Oct 2019 14:04
 Operator : JU
 Sample : K4983-20
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

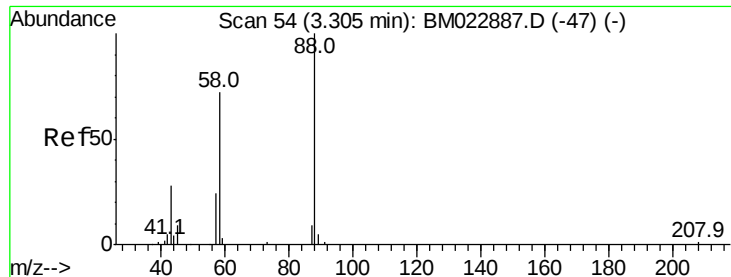
Quant Time: Oct 03 00:58:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 27 18:03:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	226451	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.59	136	1008698	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.43	164	605562	20.00	ng/ul	-0.02
62) Phenanthrene-d10	17.17	188	1092534	20.00	ng/ul	-0.01
78) Chrysene-d12	21.36	240	791112	20.00	ng/ul	-0.01
86) Perylene-d12	23.62	264	856940	20.00	ng/ul	-0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	24986	4.77	ng/uL	0.00
5) Phenol-d5	6.97	99	130122	6.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	295424	26.98	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.33	132	363067	22.53	ng/ul	-0.01
13) 4-Methylphenol-d8	8.50	113	243861	14.89	ng/ul	-0.01
19) Nitrobenzene-d5	8.95	128	219818	28.24	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.67	143	242201	28.49	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.21	165	445976	26.35	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.72	131	389938	18.96	ng/ul	-0.01
44) Dimethylphthalate-d6	13.85	166	1423855	30.30	ng/ul	-0.01
47) Acenaphthylene-d8	14.13	160	1580976	29.14	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.64	143	59162	6.37	ng/ul	0.00
58) Fluorene-d10	15.43	176	1168764	29.18	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.54	200	183756	25.85	ng/ul	-0.02
71) Anthracene-d10	17.27	188	1722482	32.29	ng/ul	-0.01
79) Pyrene-d10	19.57	212	1641025	38.54	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.47	264	1471317	33.19	ng/ul	-0.02

Target Compounds				Ovalue		
2) 1,4-Dioxane	3.30	88	9294	1.794	ng/uL#	1
4) Benzaldehyde	6.95	77	20397	2.249	ng/ul#	1
6) Phenol	7.00	94	45551	2.172	ng/ul	99
14) Acetophenone	8.61	105	40465	1.616	ng/ul#	46
17) Hexachloroethane	8.91	117	25874	3.939	ng/ul#	6
24) 2,4-Dimethylphenol	9.77	107	208337	11.006	ng/ul	99
28) Naphthalene	10.64	128	636844	11.690	ng/ul	99
34) 2-Methylnaphthalene	12.25	142	321645	7.875	ng/ul	99
35) 1-Methylnaphthalene	12.47	142	222091	5.693	ng/ul	99
45) Dimethylphthalate	13.89	163	1001972	20.754	ng/ul	99
50) Acenaphthene	14.50	153	167980	4.116	ng/ul	99
59) Fluorene	15.48	166	55116	1.170	ng/ul#	98
70) Phenanthrene	17.22	178	113112	1.735	ng/ul	97
72) Anthracene	17.22	178	113738	1.712	ng/ul	97
80) Pyrene	19.59	202	100274	1.788	ng/ul#	95

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



#2

1,4-Dioxane

Concen: 1.794 ng/uL

RT: 3.30 min Scan# 54

Delta R.T. 0.00 min

Lab File: BM022891.D

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Instrument :

BNA_M

ClientSampleId :

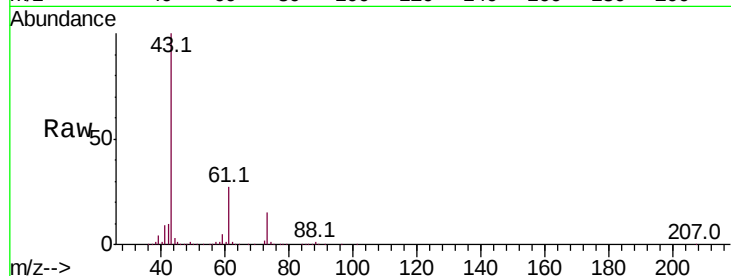
Tot Ion: 88 Resp: 9294

Ion Ratio Lower Upper

88 100

43 17775.2 25.3 37.9#

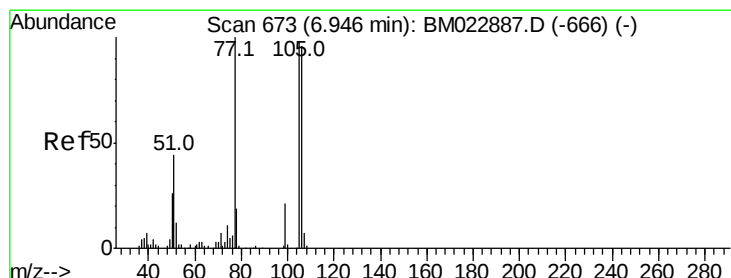
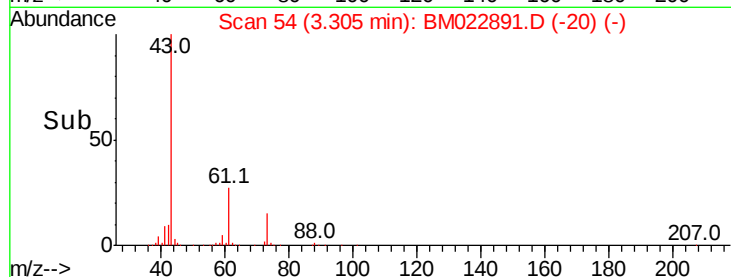
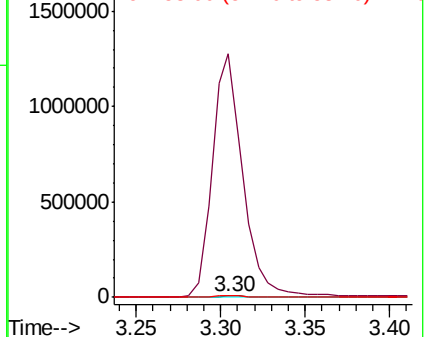
58 122.7 56.6 84.8#



Abundance Ion 88.00 (87.70 to 88.70): BM022887.D (-47) (-)

Ion 43.00 (42.70 to 43.70): BM022887.D (-47) (-)

Ion 58.00 (57.70 to 58.70): BM022887.D (-47) (-)



#4

Benzaldehyde

Concen: 2.249 ng/uL

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

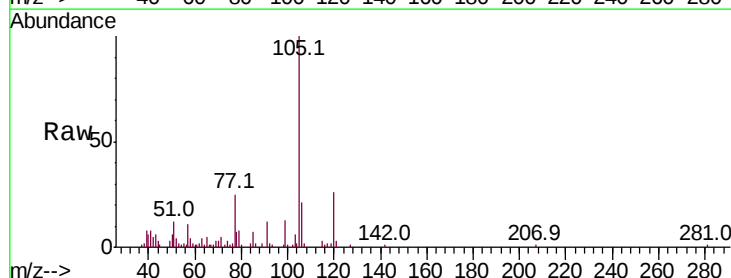
Tgt Ion: 77 Resp: 20397

Ion Ratio Lower Upper

77 100

105 393.0 80.6 120.8#

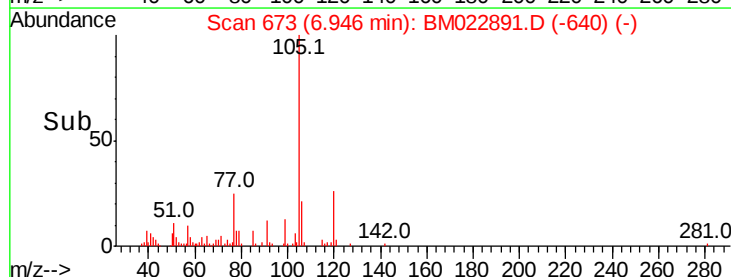
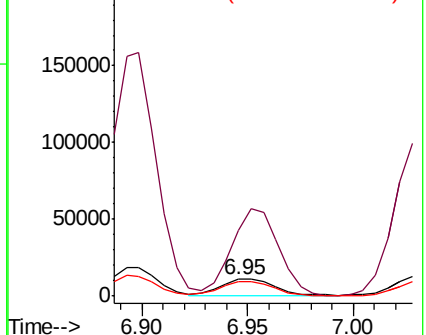
106 84.1 77.0 115.6

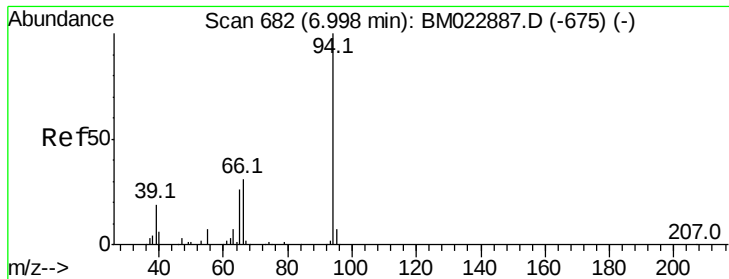


Abundance Ion 77.00 (76.70 to 77.70): BM022887.D (-666) (-)

Ion 105.00 (104.70 to 105.70): BM022887.D (-666) (-)

Ion 106.00 (105.70 to 106.70): BM022887.D (-666) (-)





#6

Phenol

Concen: 2.172 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

Instrument :

BNA_M

ClientSampleId :

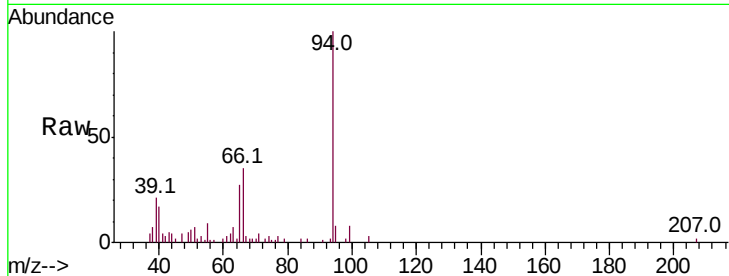
Tot Ion: 94 Resp: 45551

Ion Ratio Lower Upper

94 100

65 26.5 20.9 31.3

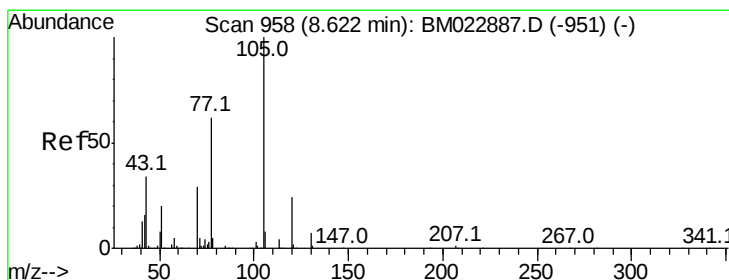
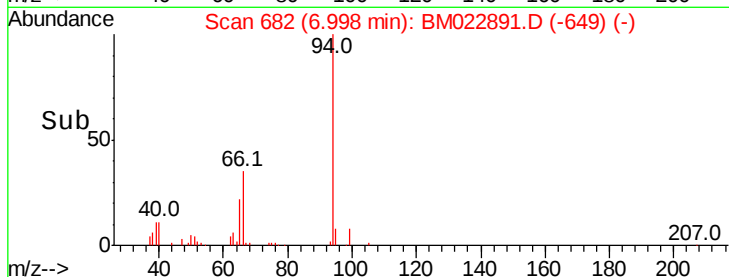
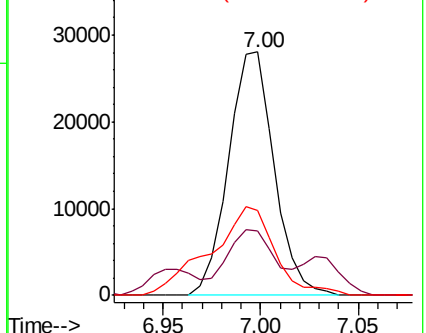
66 34.9 27.2 40.8



Abundance Ion 94.00 (93.70 to 94.70): BM022887.D (-675) (-)

Ion 65.00 (64.70 to 65.70): BM022887.D (-675) (-)

Ion 66.00 (65.70 to 66.70): BM022887.D (-675) (-)



#14

Acetophenone

Concen: 1.616 ng/ul

RT: 8.61 min Scan# 956

Delta R.T. -0.02 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

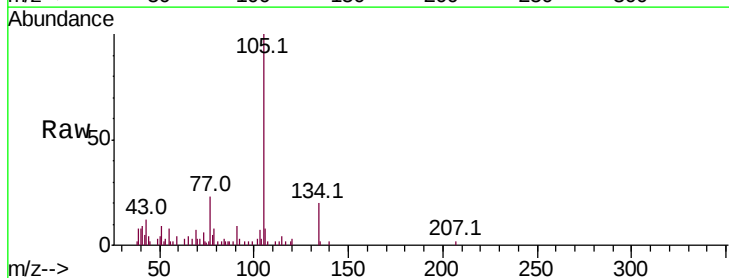
Tgt Ion: 105 Resp: 40465

Ion Ratio Lower Upper

105 100

77 22.7 59.4 89.0#

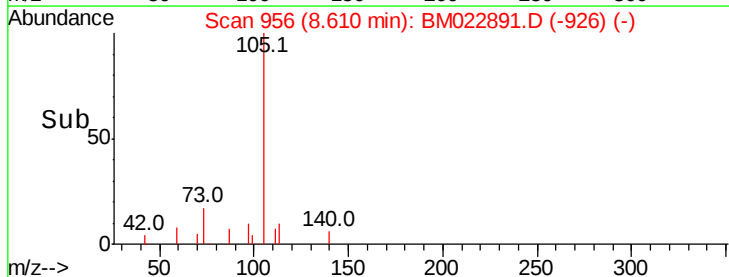
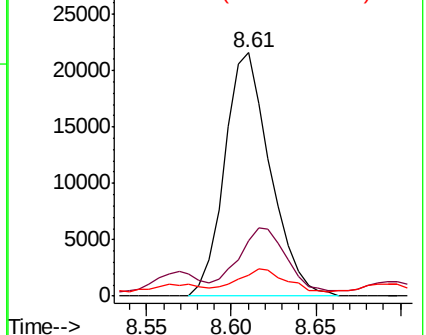
51 8.6 19.4 29.0#

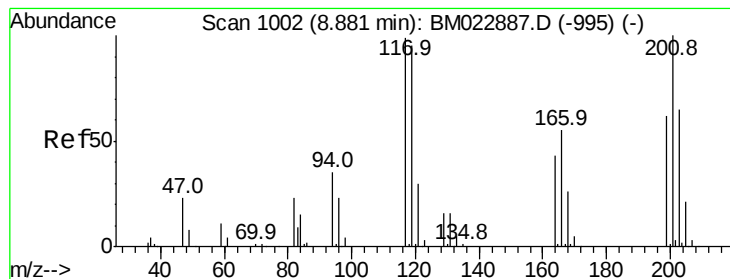


Abundance Ion 105.00 (104.70 to 105.70): BM022887.D (-951) (-)

Ion 77.00 (76.70 to 77.70): BM022887.D (-951) (-)

Ion 51.00 (50.70 to 51.70): BM022887.D (-951) (-)





#17

Hexachloroethane

Concen: 3.939 ng/ul

RT: 8.91 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

Instrument :

BNA_M

ClientSampled :

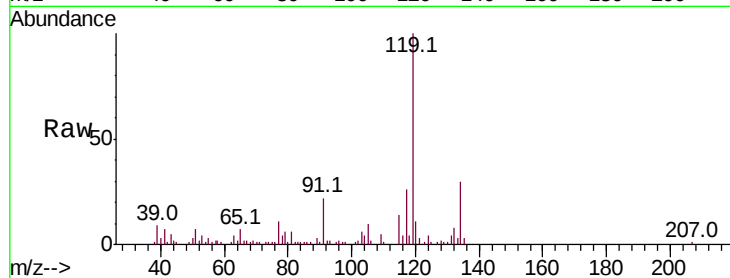
Tot Ion:117 Resp: 25874

Ion Ratio Lower Upper

117 100

201 0.0 82.5 123.7#

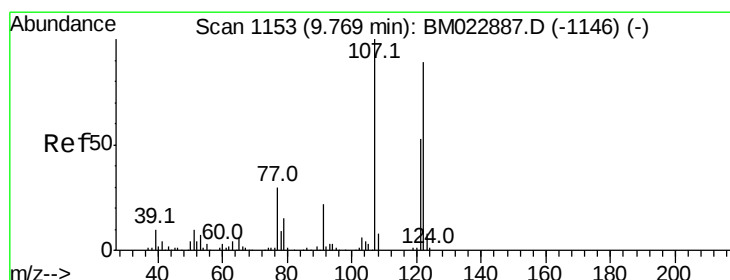
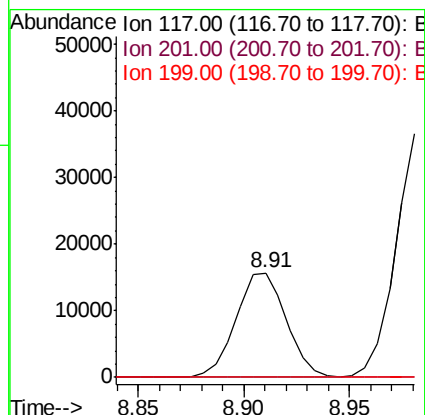
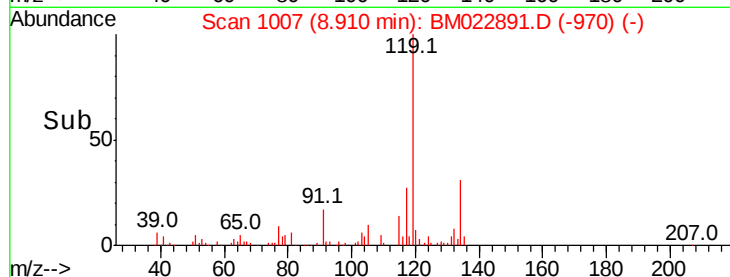
199 0.0 51.6 77.4#



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



#24

2,4-Dimethylphenol

Concen: 11.006 ng/ul

RT: 9.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

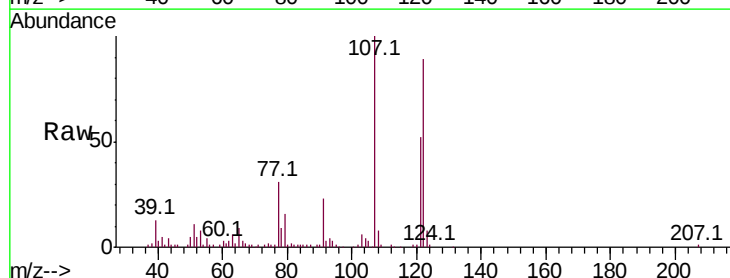
Tgt Ion:107 Resp: 208337

Ion Ratio Lower Upper

107 100

121 52.4 43.0 64.4

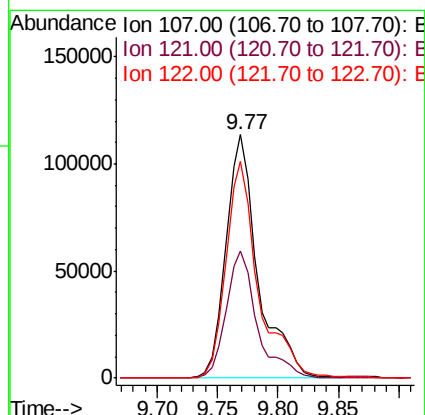
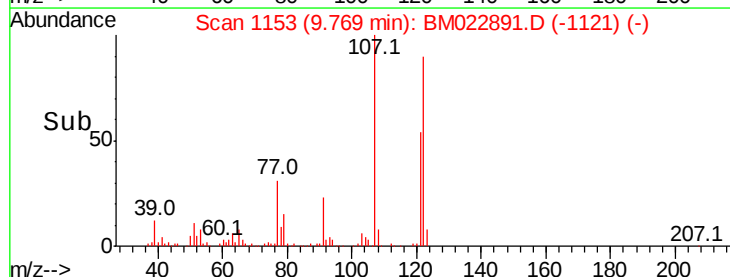
122 89.0 71.4 107.0

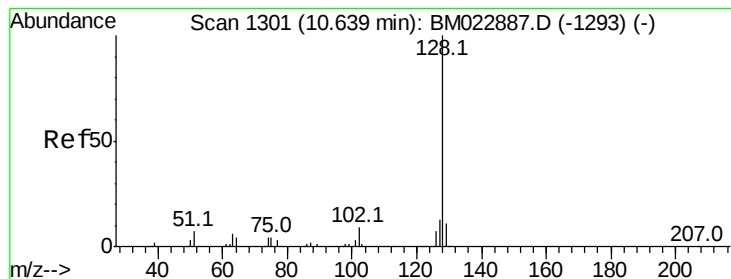


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 11.690 ng/ul

RT: 10.64 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

Instrument :

BNA_M

ClientSampled :

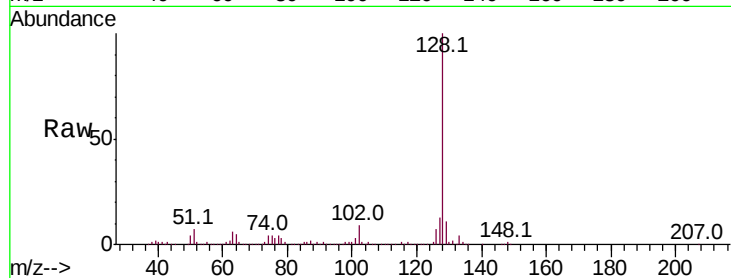
Tot Ion:128 Resp: 636844

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

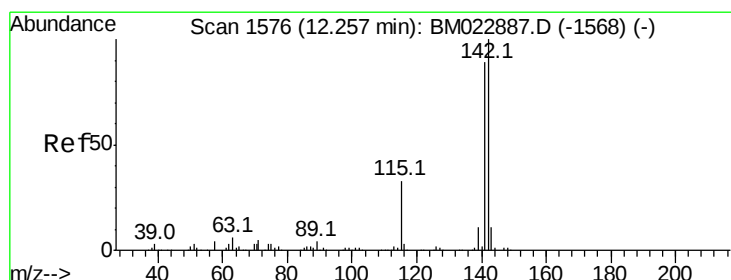
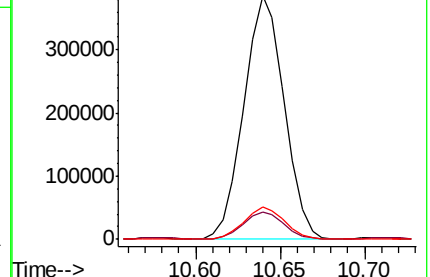
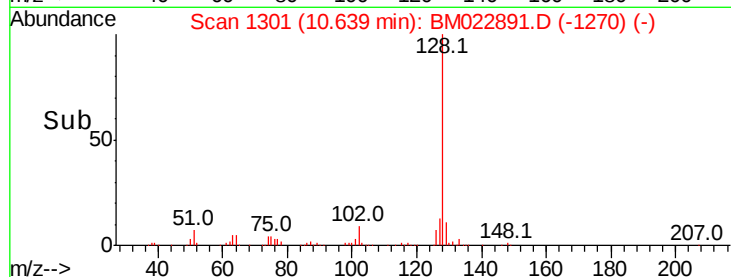
127 13.2 10.2 15.4



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: 7.875 ng/ul

RT: 12.25 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BM022891.D

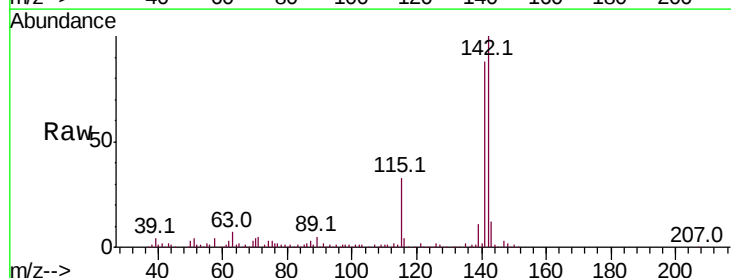
Acq: 02 Oct 2019 14:04

Tgt Ion:142 Resp: 321645

Ion Ratio Lower Upper

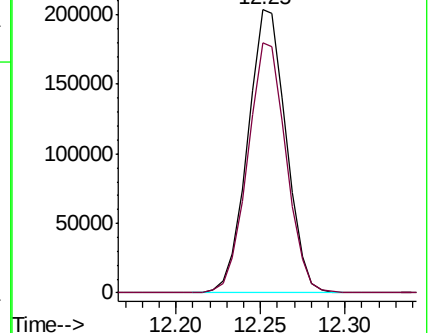
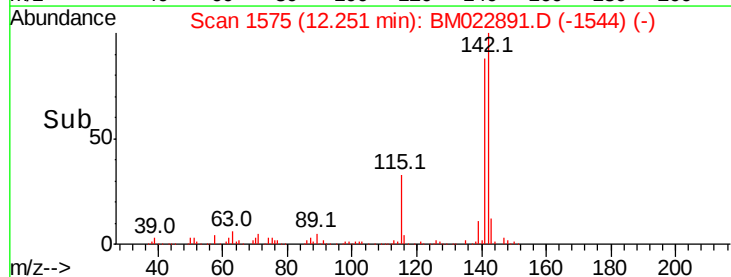
142 100

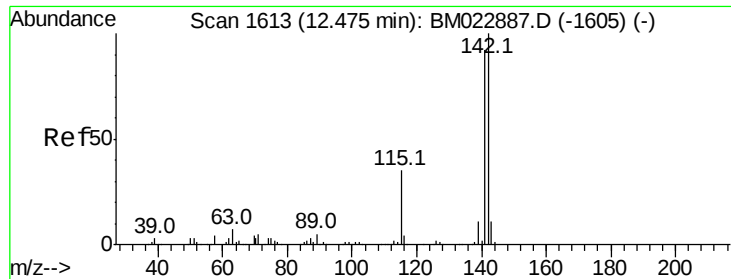
141 88.5 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

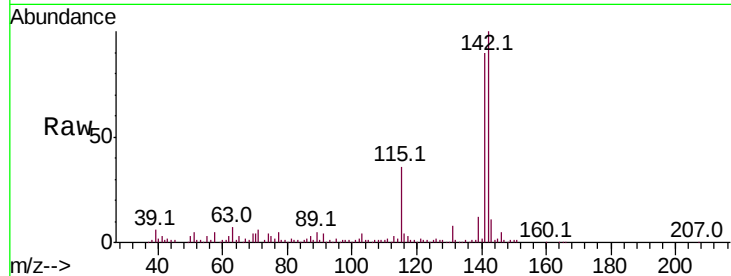




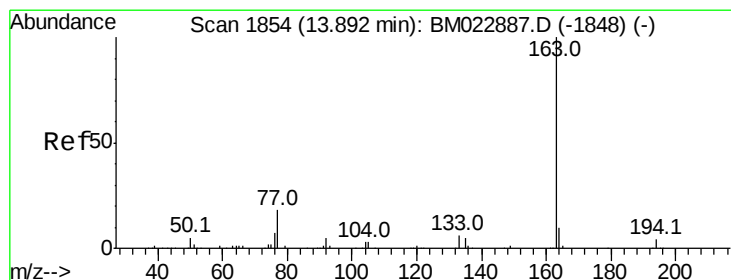
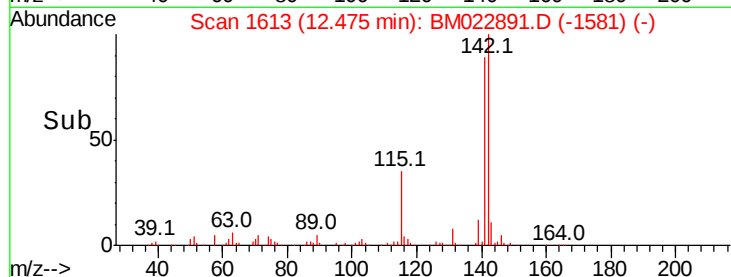
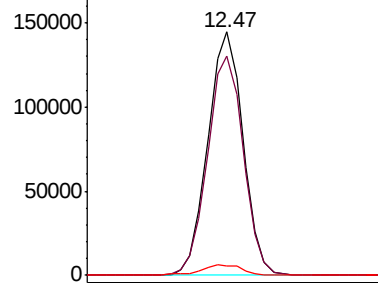
#35
1-Methylnaphthalene
Concen: 5.693 ng/ul
RT: 12.47 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BM022891.D
Acq: 02 Oct 2019 14:04

Instrument :
BNA_M
ClientSampleId :

Tot Ion:142 Resp: 222091
Ion Ratio Lower Upper
142 100
141 90.0 73.0 109.6
116 4.0 2.9 4.3

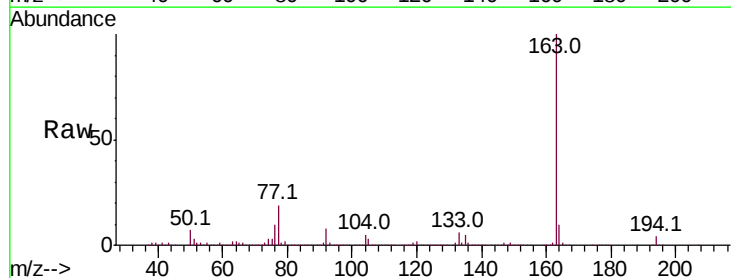


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

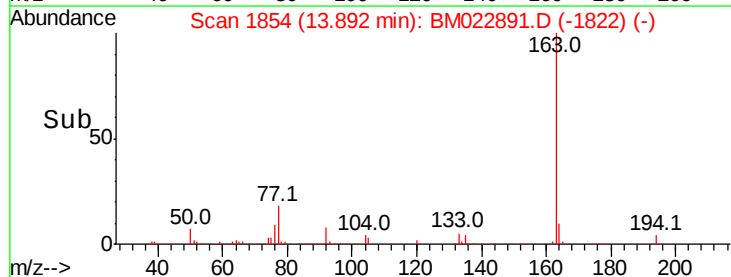
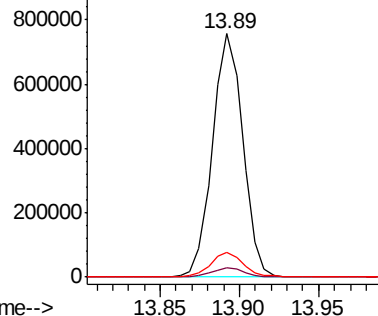


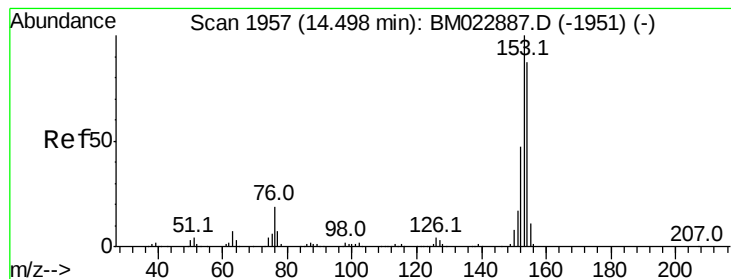
#45
Dimethylphthalate
Concen: 20.754 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM022891.D
Acq: 02 Oct 2019 14:04

Tgt Ion:163 Resp: 1001972
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.3 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: 4.116 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.02 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

Instrument :

BNA_M

ClientSampleId :

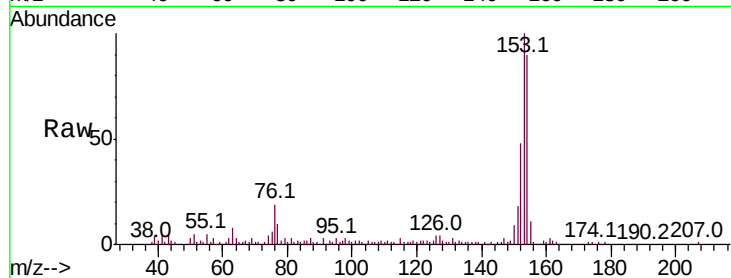
Tot Ion:153 Resp: 167980

Ion Ratio Lower Upper

153 100

152 47.7 38.1 57.1

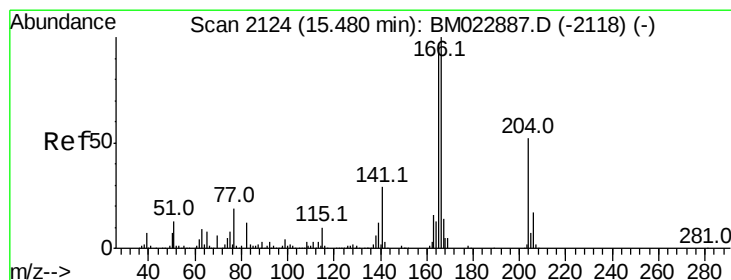
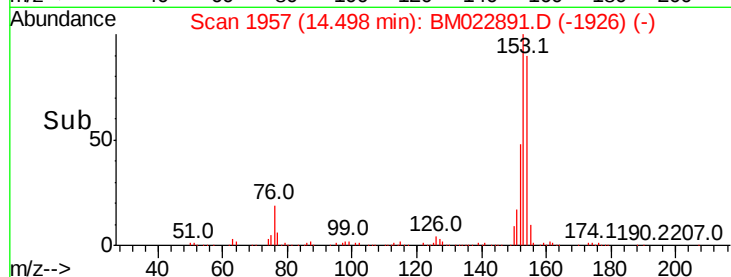
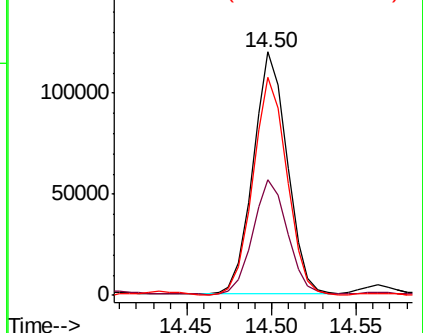
154 89.6 71.1 106.7



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: 1.170 ng/ul

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

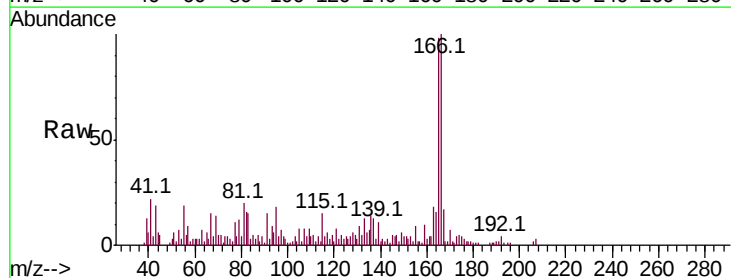
Tgt Ion:166 Resp: 55116

Ion Ratio Lower Upper

166 100

165 98.0 77.7 116.5

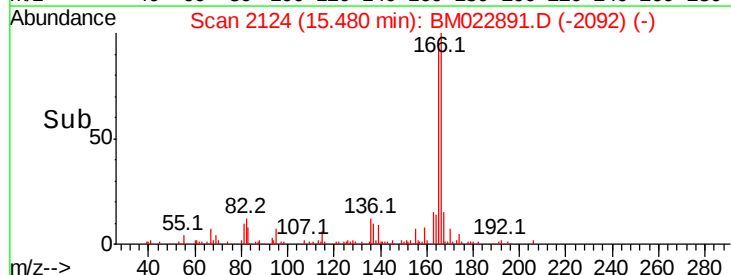
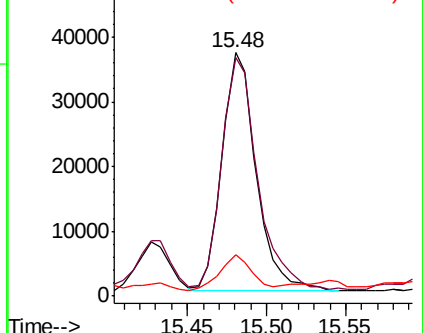
167 16.8 11.0 16.4#

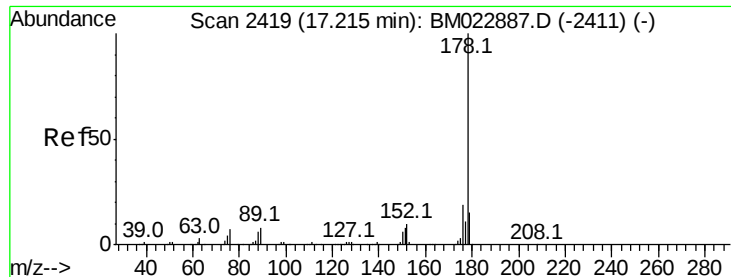


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 1.735 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

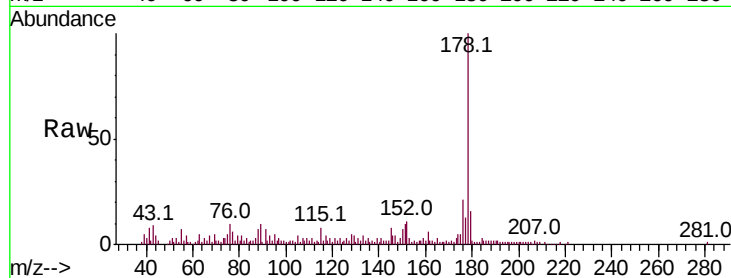
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 113112

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.4	18.6
176	20.5	15.3	22.9

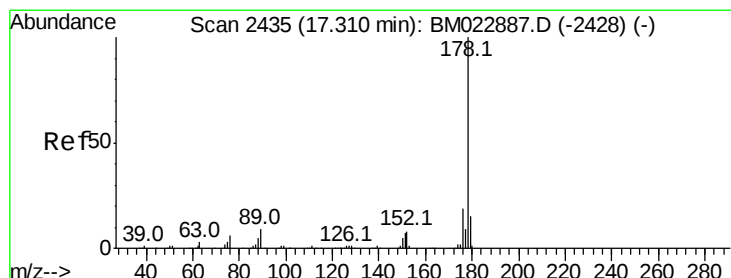
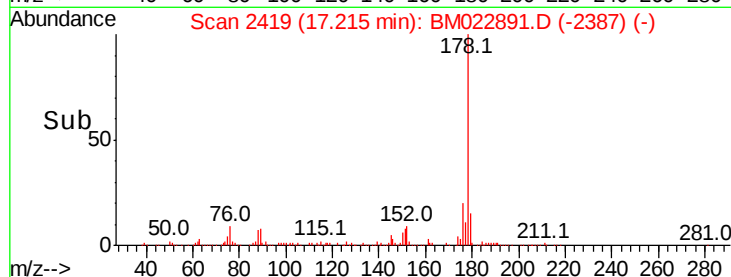
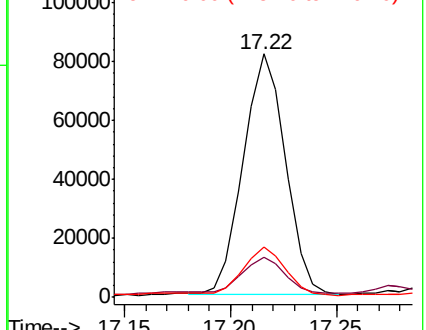


Abundance

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: 1.712 ng/ul

RT: 17.22 min Scan# 2419

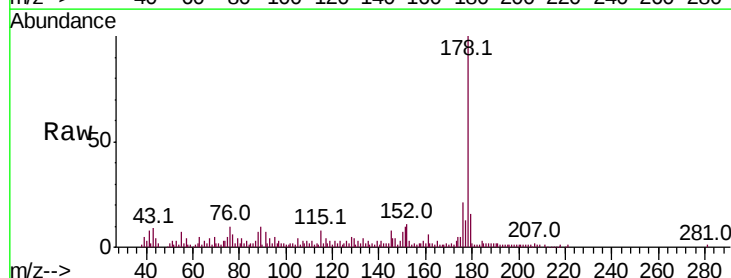
Delta R.T. -0.11 min

Lab File: BM022891.D

Acq: 02 Oct 2019 14:04

Tgt Ion:178 Resp: 113738

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.4	18.6
176	20.5	15.0	22.6

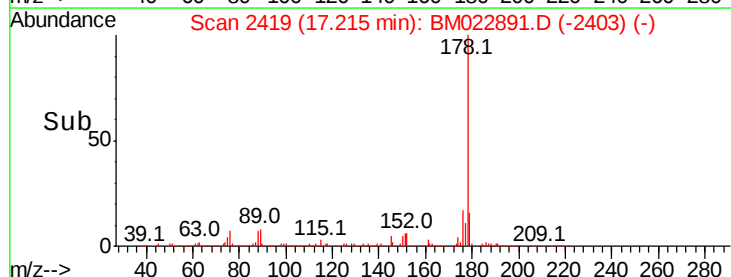
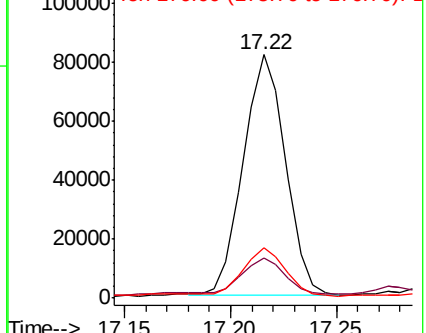


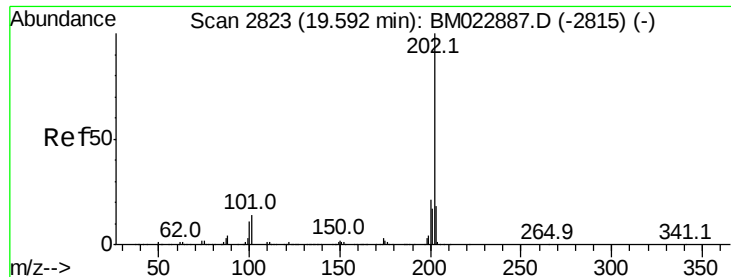
Abundance

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

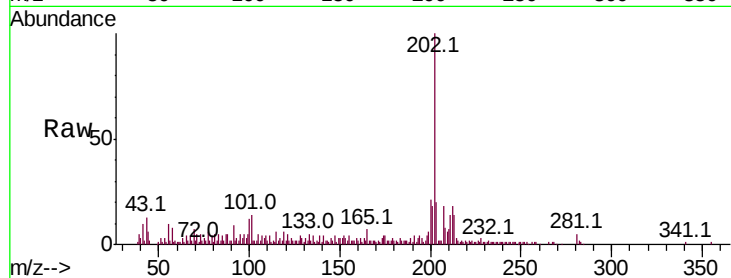




#80
 Pvrene
 Concen: 1.788 ng/ul
 RT: 19.59 min Scan# 2823
 Delta R.T. -0.02 min
 Lab File: BM022891.D
 Acq: 02 Oct 2019 14:04

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	9.7	14.5
100	11.8	7.8	11.8



Abundance Ion 202.00 (201.70 to 202.70): E
 100000 Ion 101.00 (100.70 to 101.70): E
 80000 Ion 100.00 (99.70 to 100.70): BM

