

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
 Data File : BM027261.D
 Acq On : 26 Aug 2020 23:15
 Operator : JU/CG
 Sample : L3776-05
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F4Y04

Quant Time: Aug 27 00:36:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 25 15:35:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	152976	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.37	136	602413	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	405229	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.98	188	867489	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	657716	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	598024	20.00	ng/ul	-0.02

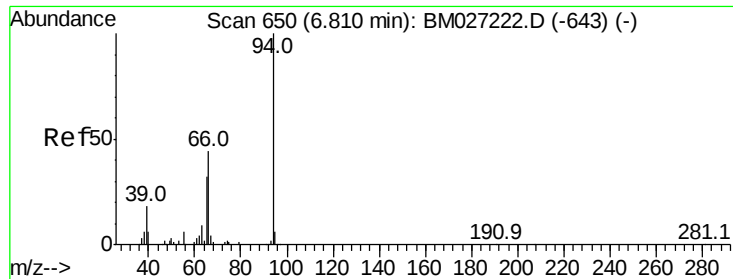
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	6025	2.23	ng/uL	0.00
5) Phenol-d5	6.79	99	128556	10.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	314514	39.19	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.13	132	321684	33.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	199764	20.06	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	179828	37.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	216397	38.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	86135	7.59	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	403699	33.00	ng/ul	0.00
44) Dimethylphthalate-d6	13.66	166	1424777	44.32	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	1714655	45.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	1726	0.32	ng/ul	-0.02
58) Fluorene-d10	15.23	176	1228245	44.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	132740	23.46	ng/ul	-0.01
71) Anthracene-d10	17.08	188	1936896	47.04	ng/ul	0.00
79) Pyrene-d10	19.38	212	1915683	50.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	1491946	44.75	ng/ul	-0.02

Target Compounds

					Ovalue	
6) Phenol	6.82	94	256143	19.750	ng/ul	96
14) Acetophenone	8.40	105	18343	1.150	ng/ul#	80
17) Hexachloroethane	8.65	117	7815	1.699	ng/ul#	1
30) 4-Chloroaniline	10.45	127	5796779	472.912	ng/ul#	4
32) Caprolactam	11.42	113	1912913	578.745	ng/ul	99
34) 2-Methylnaphthalene	12.04	142	787338	32.307	ng/ul	99
35) 1-Methylnaphthalene	12.27	142	1864143	78.371	ng/ul	99
41) 1,1'-Biophenyl	13.07	154	541486	17.027	ng/ul	99
43) 2-Nitroaniline	13.30	65	23915	3.102	ng/ul#	27
45) Dimethylphthalate	13.70	163	102728	3.078	ng/ul	100
50) Acenaphthene	14.30	153	53370	2.004	ng/ul	100
59) Fluorene	15.29	166	121702	3.755	ng/ul	97
70) Phenanthrene	17.02	178	58227	1.176	ng/ul#	93

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



#6

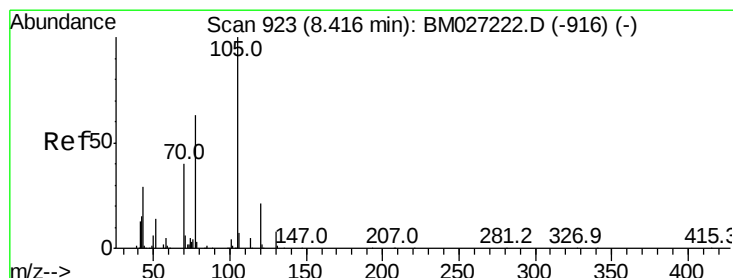
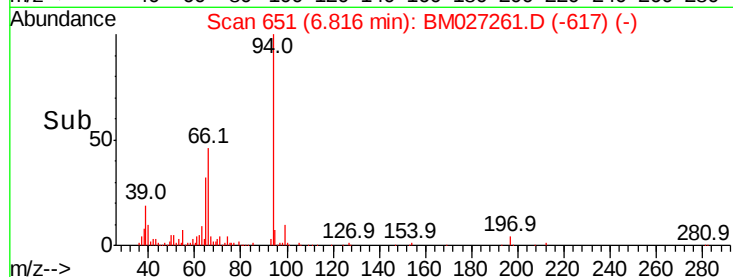
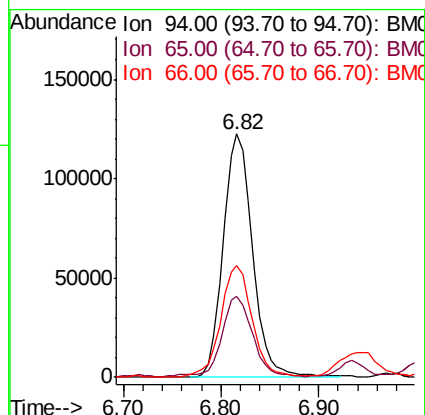
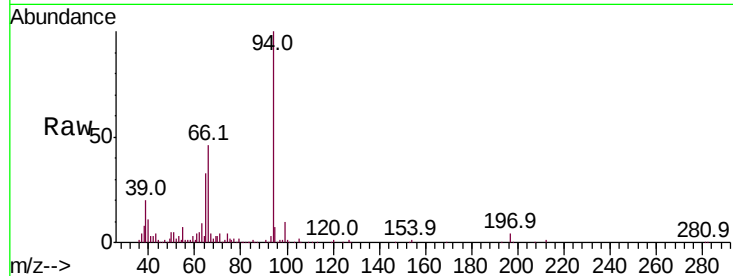
Phenol

Concen: 19.750 ng/ul
 RT: 6.82 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: BM027261.D
 Acq: 26 Aug 2020 23:15

Instrument :
 BNA_M
 ClientSampleId :
 F4Y04

Tot Ion: 94 Resp: 256143

Ion	Ratio	Lower	Upper
94	100		
65	33.3	24.8	37.2
66	46.1	34.7	52.1



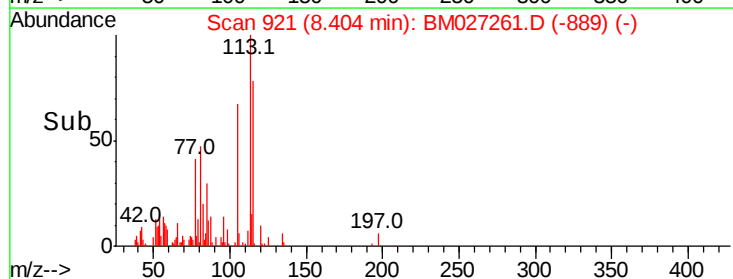
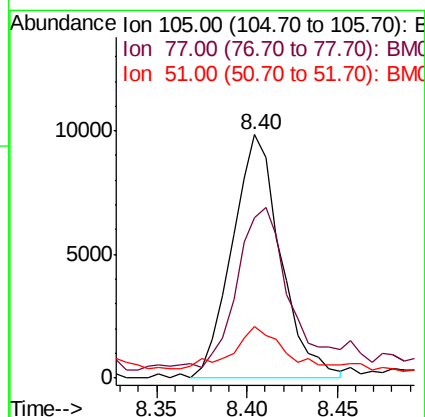
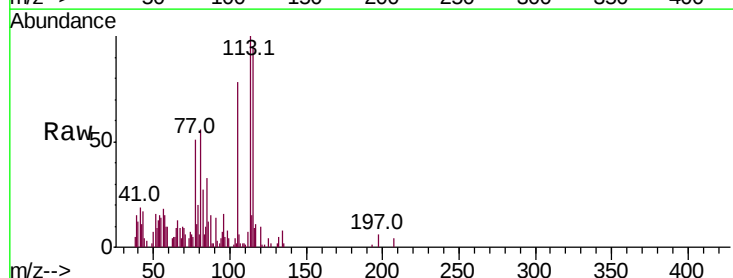
#14

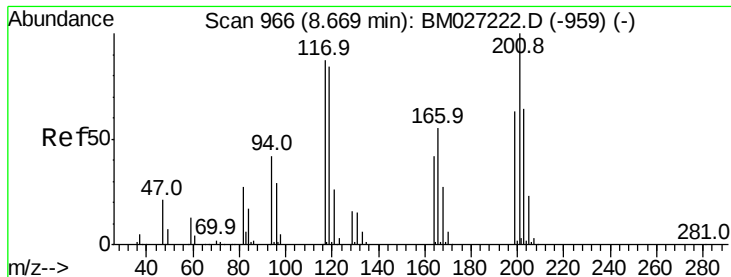
Acetophenone

Concen: 1.150 ng/ul
 RT: 8.40 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BM027261.D
 Acq: 26 Aug 2020 23:15

Tgt Ion:105 Resp: 18343

Ion	Ratio	Lower	Upper
105	100		
77	65.7	70.8	106.2#
51	21.0	16.7	25.1





#17

Hexachloroethane

Concen: 1.699 ng/ul

RT: 8.65 min Scan# 963

Delta R.T. -0.02 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

Instrument :

BNA_M

ClientSampleId :

F4Y04

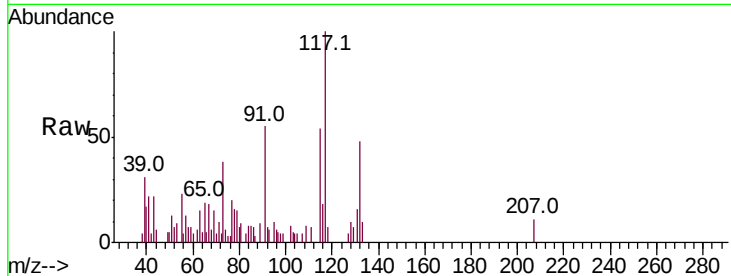
Tot Ion:117 Resp: 7815

Ion Ratio Lower Upper

117 100

201 0.0 93.8 140.8#

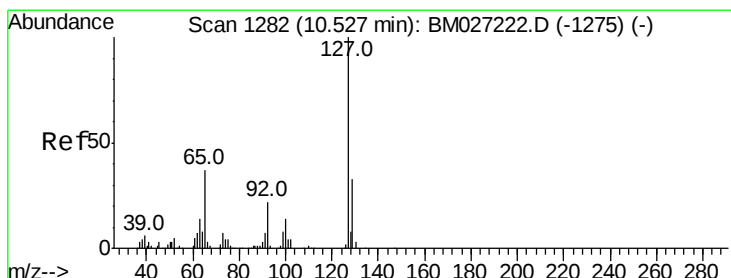
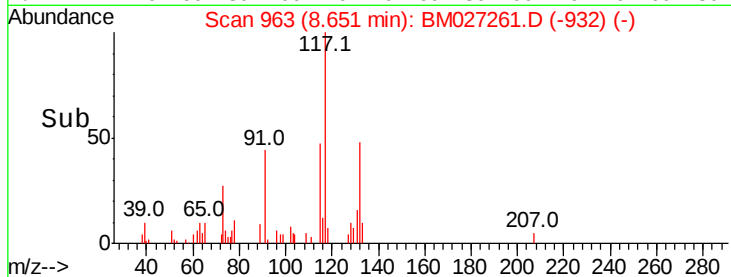
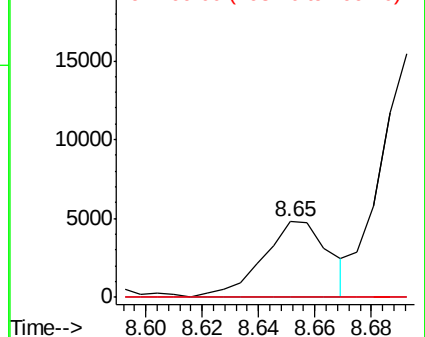
199 0.0 57.5 86.3#



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



#30

4-Chloroaniline

Concen: 472.912 ng/ul

RT: 10.45 min Scan# 1269

Delta R.T. -0.08 min

Lab File: BM027261.D

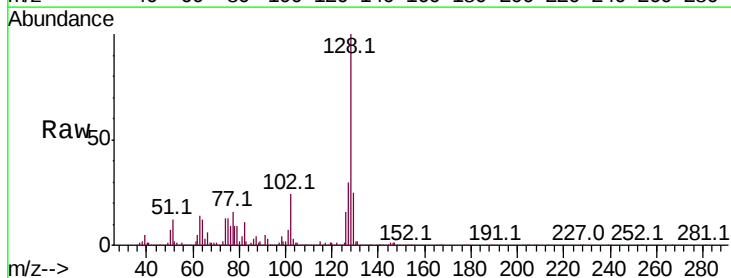
Acq: 26 Aug 2020 23:15

Tgt Ion:127 Resp: 5796779

Ion Ratio Lower Upper

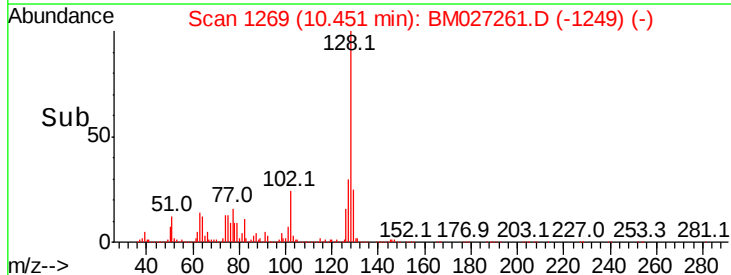
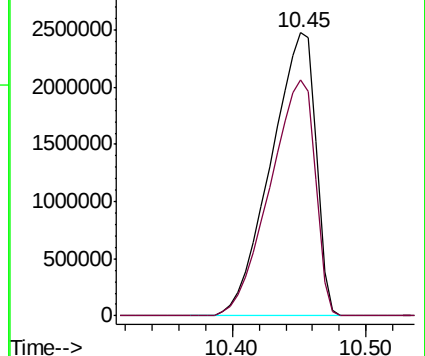
127 100

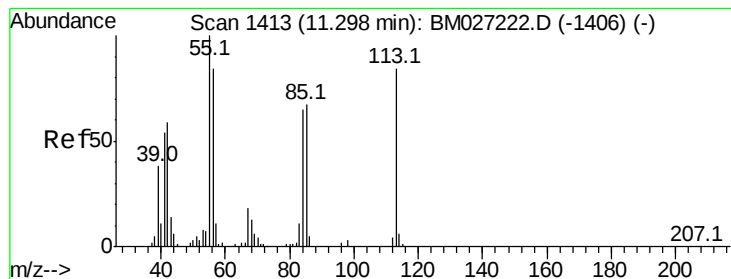
129 83.2 24.5 36.7#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 578.745 ng/ul

RT: 11.42 min Scan# 1434

Delta R.T. 0.12 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

Instrument :

BNA_M

ClientSampleId :

F4Y04

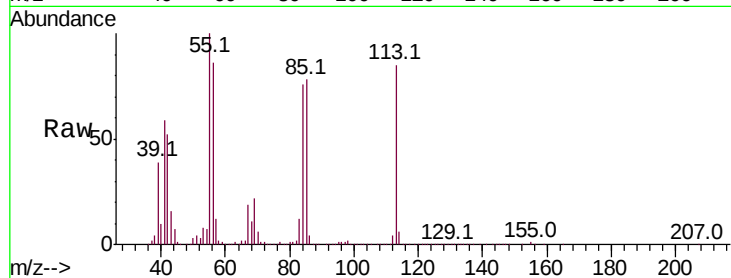
Tot Ion:113 Resp: 1912913

Ion Ratio Lower Upper

113 100

55 117.6 94.0 141.0

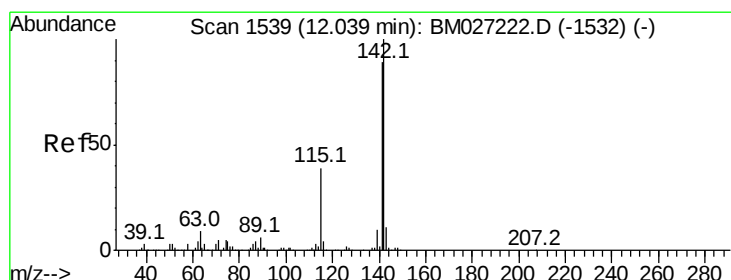
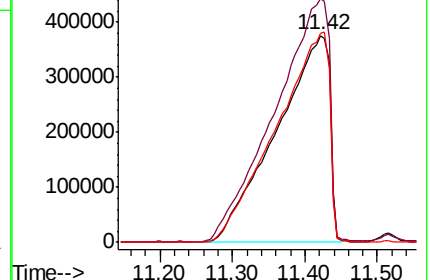
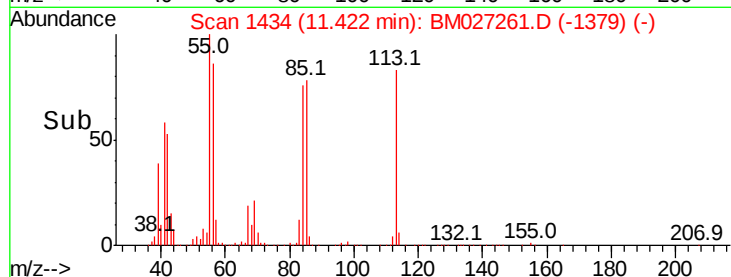
56 100.8 82.4 123.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#34

2-Methylnaphthalene

Concen: 32.307 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM027261.D

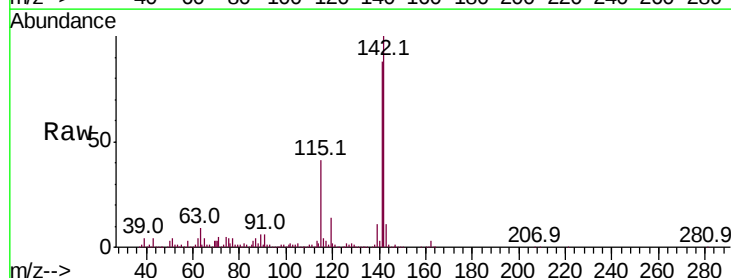
Acq: 26 Aug 2020 23:15

Tgt Ion:142 Resp: 787338

Ion Ratio Lower Upper

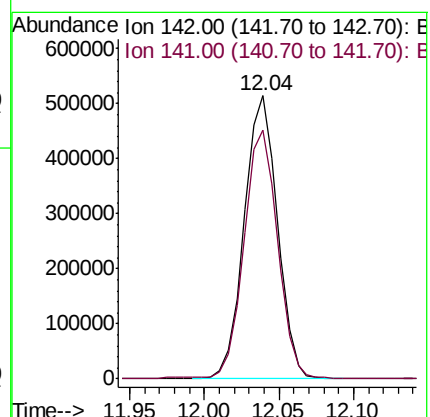
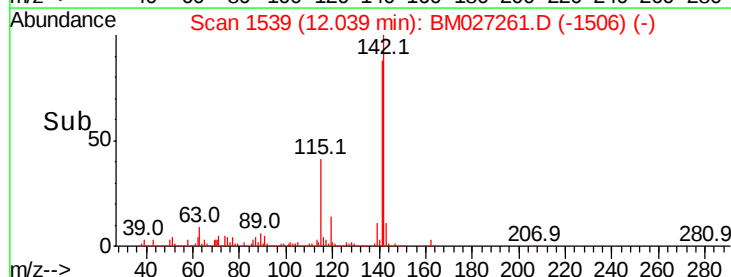
142 100

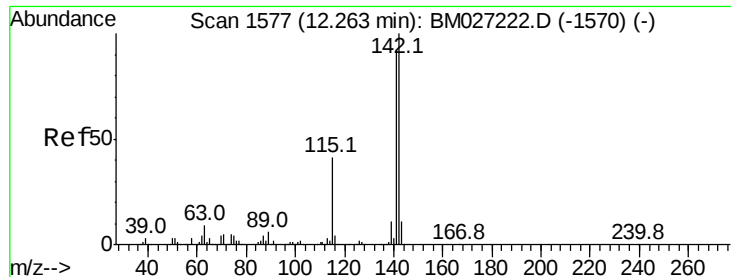
141 87.8 71.1 106.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

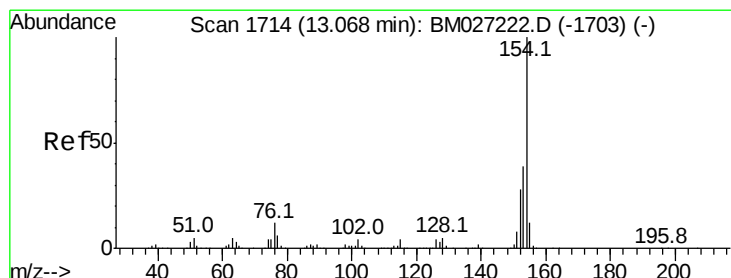
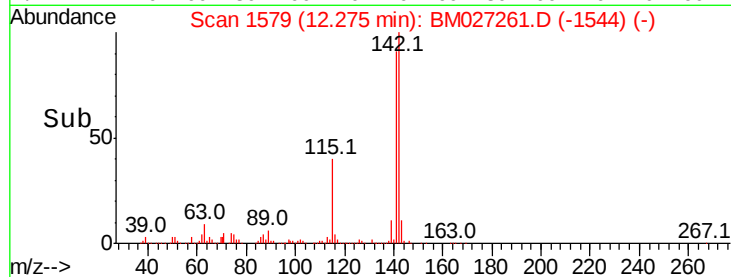
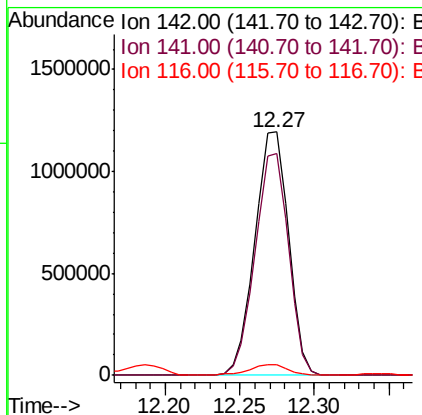
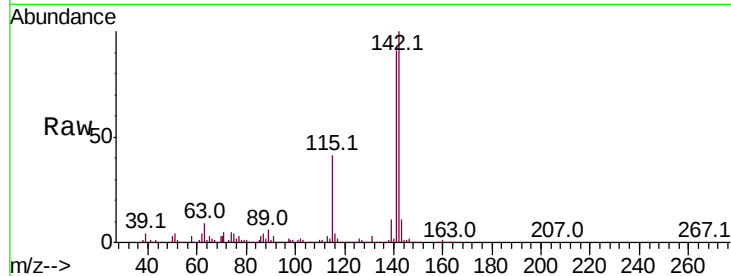




#35
 1-Methylnaphthalene
 Concen: 78.371 ng/ul
 RT: 12.27 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BM027261.D
 Acq: 26 Aug 2020 23:15

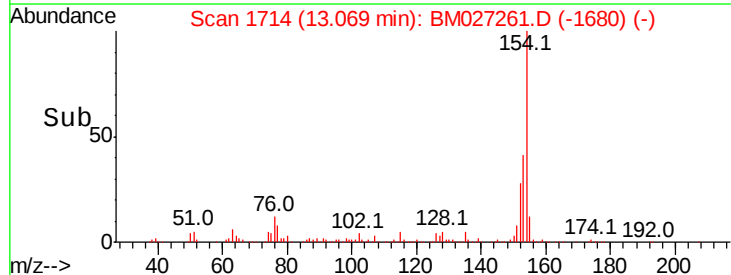
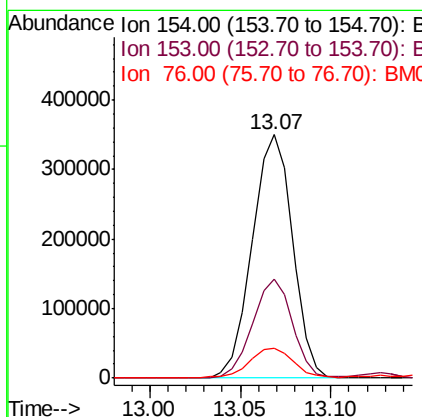
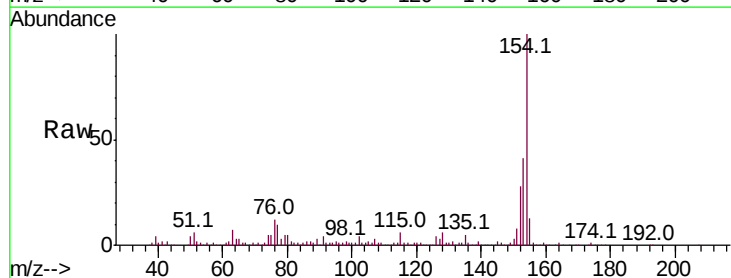
Instrument :
 BNA_M
 ClientSampleId :
 F4Y04

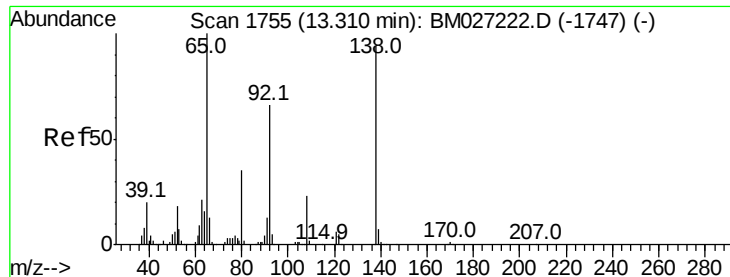
Tot Ion:142 Resp: 1864143
 Ion Ratio Lower Upper
 142 100
 141 91.4 72.5 108.7
 116 4.3 3.2 4.8



#41
 1,1'-Biphenyl
 Concen: 17.027 ng/ul
 RT: 13.07 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BM027261.D
 Acq: 26 Aug 2020 23:15

Tgt Ion:154 Resp: 541486
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.2 48.2
 76 12.4 10.2 15.4





#43

2-Nitroaniline

Concen: 3.102 ng/ul

RT: 13.30 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

Instrument :

BNA_M

ClientSampleId :

F4Y04

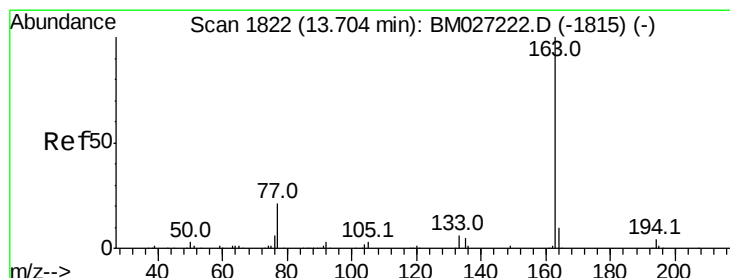
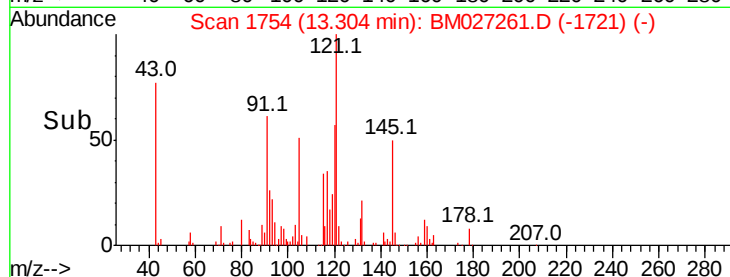
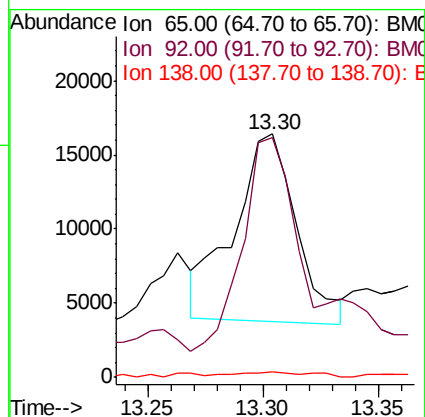
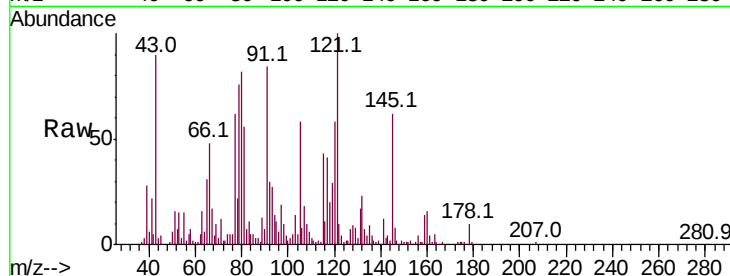
Tot Ion: 65 Resp: 23915

Ion Ratio Lower Upper

65 100

92 98.5 51.4 77.0#

138 2.5 72.8 109.2#



#45

Dimethylphthalate

Concen: 3.078 ng/ul

RT: 13.70 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

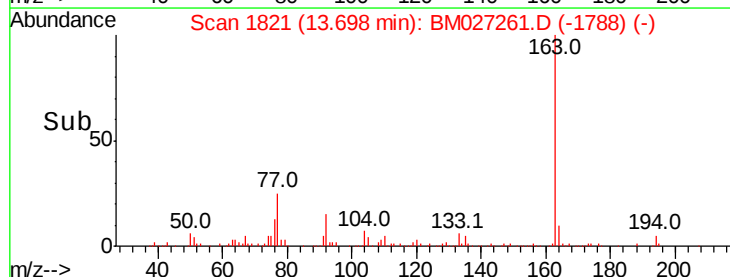
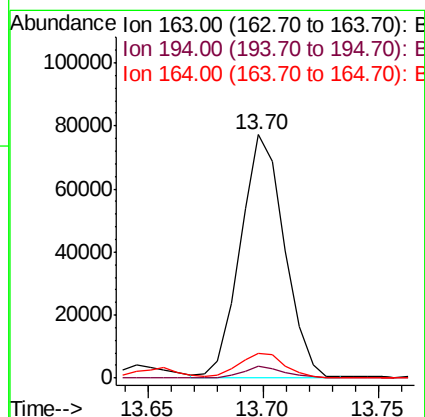
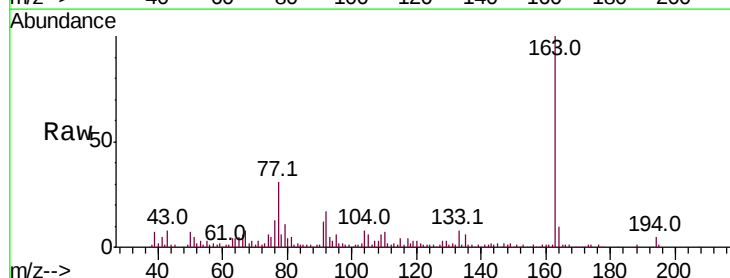
Tgt Ion:163 Resp: 102728

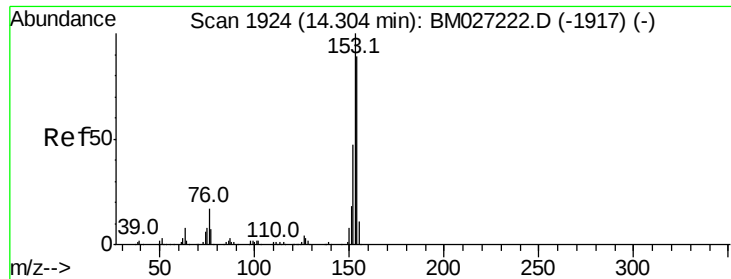
Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

164 10.2 8.2 12.2





#50

Acenaphthene

Concen: 2.004 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

Instrument :

BNA_M

ClientSampleId :

F4Y04

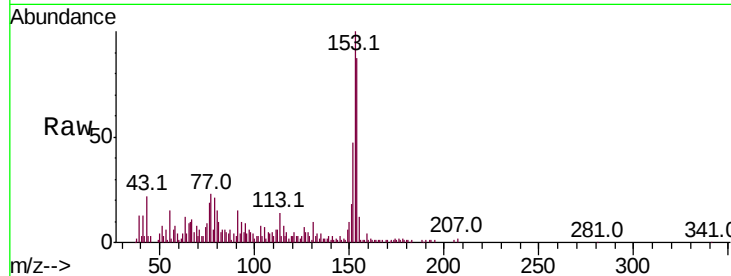
Tot Ion:153 Resp: 53370

Ion Ratio Lower Upper

153 100

152 46.8 37.4 56.2

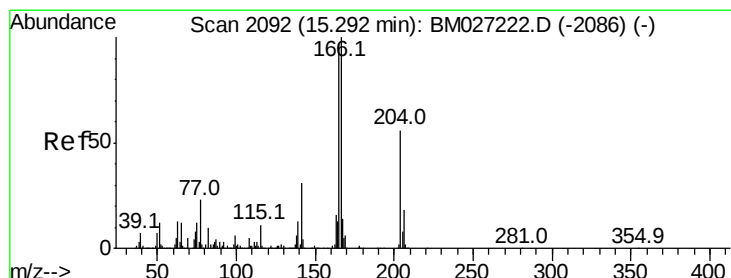
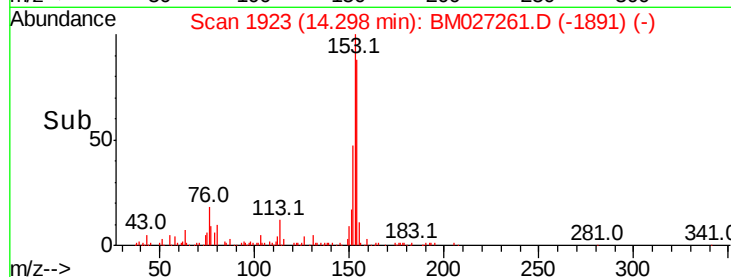
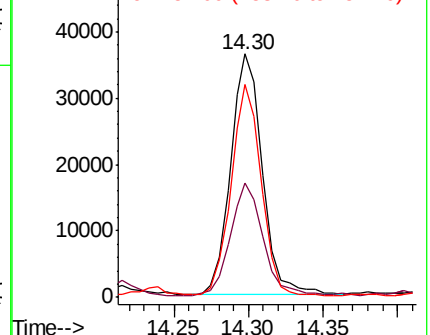
154 87.2 70.2 105.4



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: 3.755 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

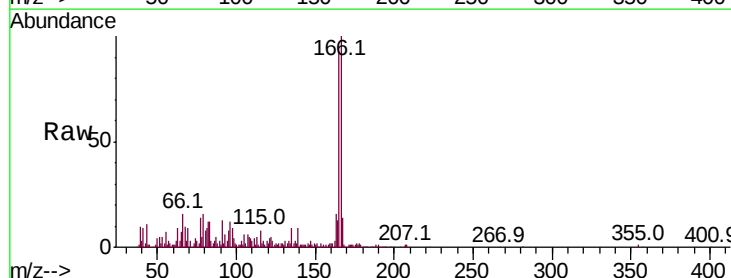
Tgt Ion:166 Resp: 121702

Ion Ratio Lower Upper

166 100

165 92.6 76.9 115.3

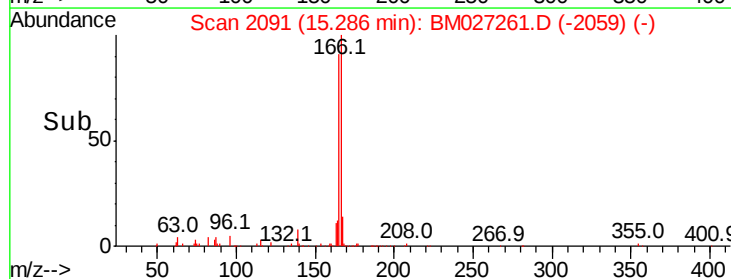
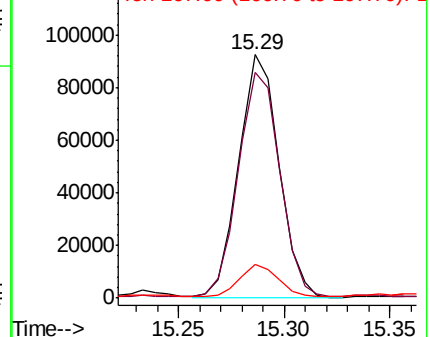
167 13.8 10.7 16.1

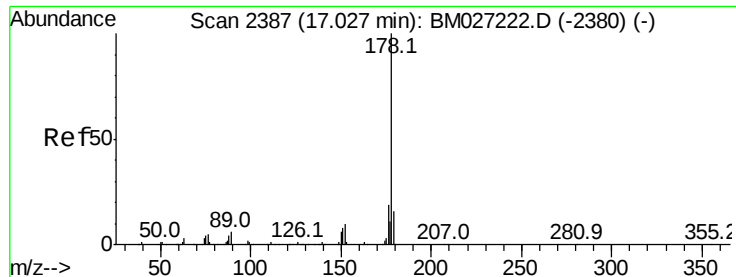


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 1.176 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BM027261.D

Acq: 26 Aug 2020 23:15

Instrument :

BNA_M

ClientSampleId :

F4Y04

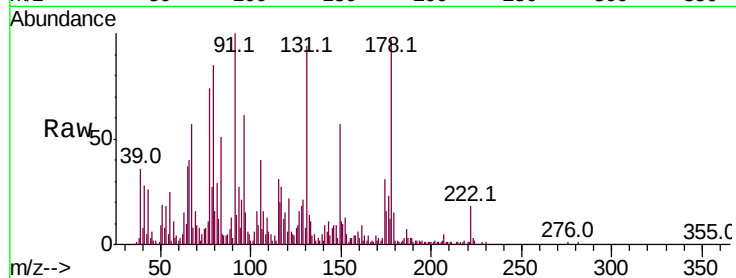
Tot Ion:178 Resp: 58227

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

176 23.5 14.6 22.0#



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

