

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
 Data File : BM027227.D
 Acq On : 26 Aug 2020 00:24
 Operator : JU/CG
 Sample : L3708-05DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBFS5DL

Quant Time: Aug 26 01:55:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 26 01:51:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	161863	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	654671	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	474249	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	1127024	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	1285282	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	1232896	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	1785	0.62	ng/uL	0.00
5) Phenol-d5	6.78	99	33299	2.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	104367	12.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	98902	9.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	67820	6.44	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	63976	12.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	70575	11.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	138274	11.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	16056	1.21	ng/ul	0.00
44) Dimethylphthalate-d6	13.66	166	511520	13.59	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	542202	12.19	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	16645	2.62	ng/ul	0.00
58) Fluorene-d10	15.23	176	496490	15.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	102780	13.98	ng/ul	0.00
71) Anthracene-d10	17.08	188	826407	15.45	ng/ul	0.00
79) Pyrene-d10	19.38	212	998753	13.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	1072314	15.60	ng/ul	-0.01

Target Compounds

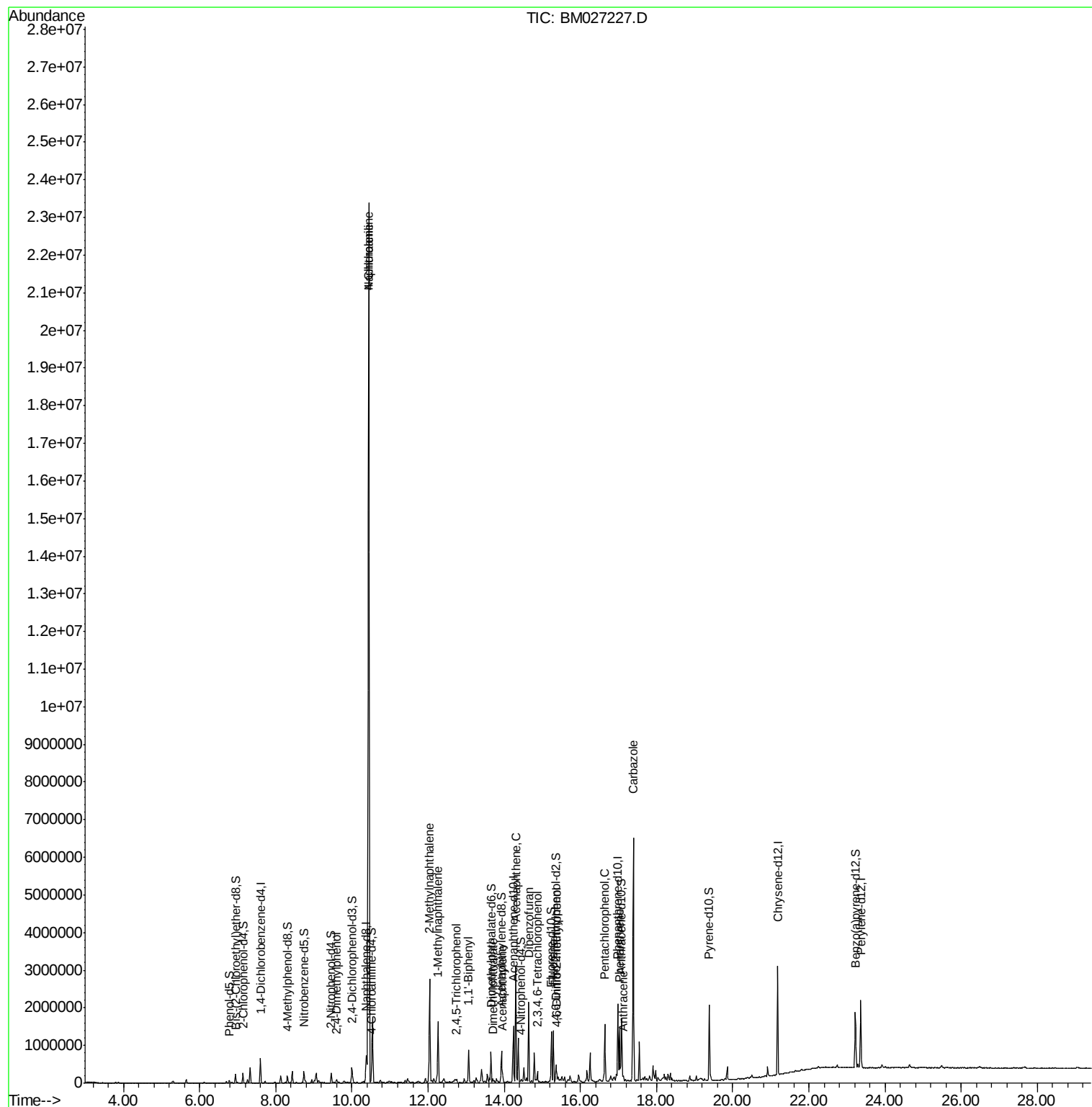
					Ovalue	
24) 2,4-Dimethylphenol	9.59	107	30385	2.246	ng/ul#	92
28) Naphthalene	10.43	128	18276240	524.183	ng/ul	95
30) 4-Chloroaniline	10.44	127	2768485	207.829	ng/ul#	6
34) 2-Methylnaphthalene	12.04	142	1221683	46.128	ng/ul	99
35) 1-Methylnaphthalene	12.26	142	679091	26.271	ng/ul	99
40) 2,4,5-Trichlorophenol	12.73	196	13029	1.136	ng/ul	96
41) 1,1'-Biphenyl	13.07	154	433358	11.644	ng/ul	98
45) Dimethylphthalate	13.70	163	65642	1.681	ng/ul	99
48) Acenaphthylene	13.96	152	93640	2.105	ng/ul#	96
50) Acenaphthene	14.30	153	1196211	38.389	ng/ul	98
54) Dibenzofuran	14.64	168	1204815	26.934	ng/ul	96
56) 2,3,4,6-Tetrachlorophenol	14.87	232	50310	4.897	ng/ul#	94
59) Fluorene	15.29	166	602507	15.883	ng/ul	100
64) 4,6-Dinitro-2-methylphenol	15.38	198	48887	6.126	ng/ul#	59
69) Pentachlorophenol	16.64	266	175145	18.491	ng/ul	99
70) Phenanthrene	17.03	178	824589	12.819	ng/ul	100
72) Anthracene	17.12	178	69718	1.064	ng/ul	97
75) Carbazole	17.39	167	3949224	73.113	ng/ul	98

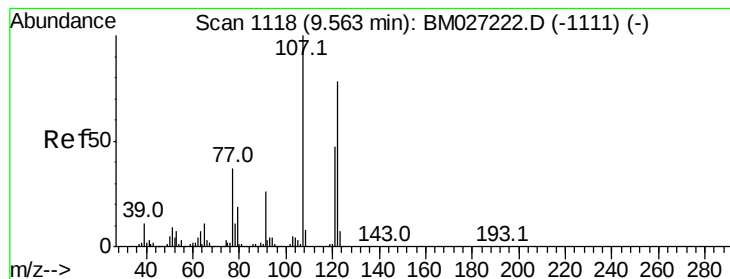
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#24

2,4-Dimethylphenol

Concen: 2.246 ng/ul

RT: 9.59 min Scan# 1123

Delta R.T. 0.03 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Instrument :

BNA_M

ClientSampleId :

DBFS5DL

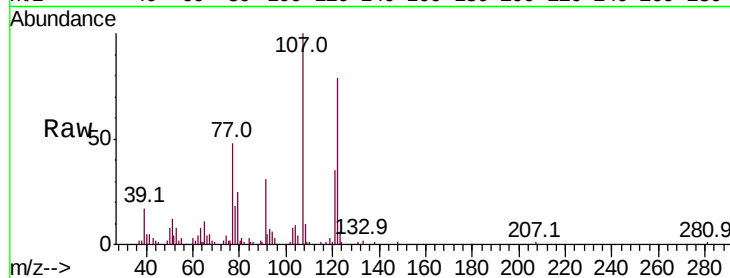
Tot Ion:107 Resp: 30385

Ion Ratio Lower Upper

107 100

121 34.6 37.8 56.6#

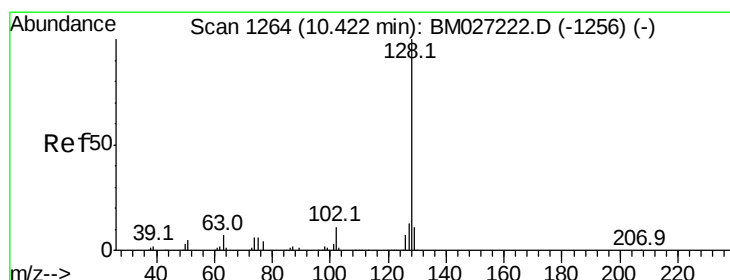
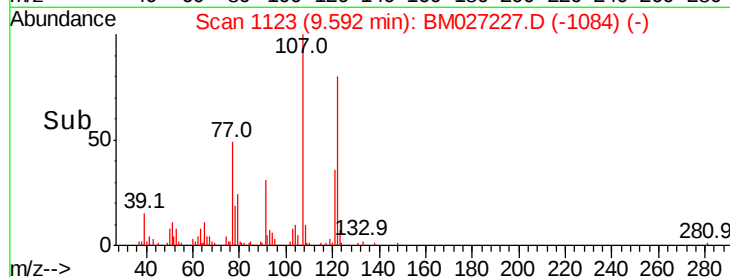
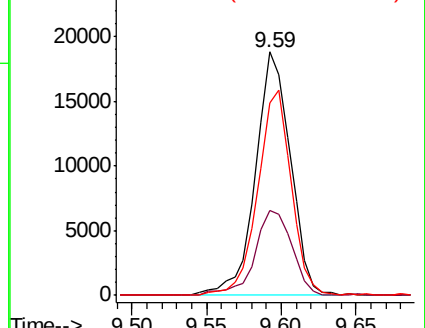
122 78.8 61.8 92.8



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: 524.183 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

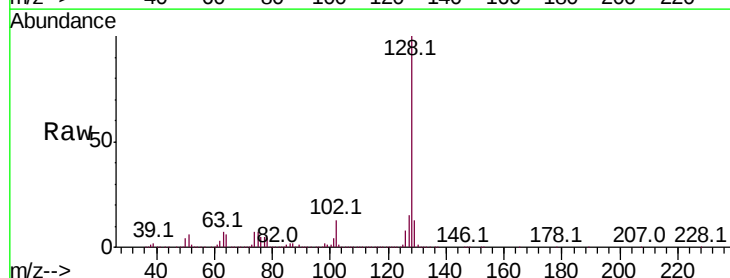
Tgt Ion:128 Resp:18276240

Ion Ratio Lower Upper

128 100

129 12.7 8.9 13.3

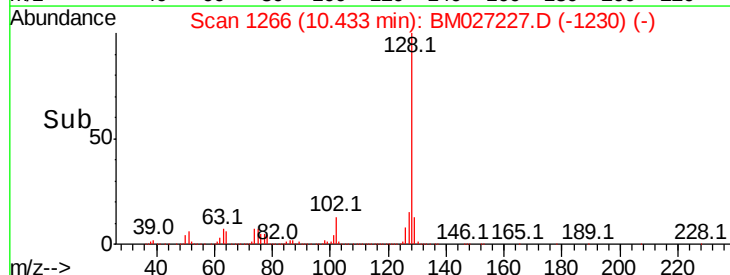
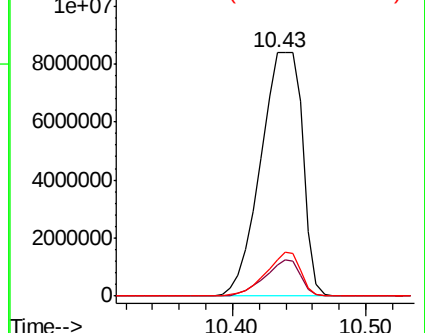
127 15.1 10.4 15.6

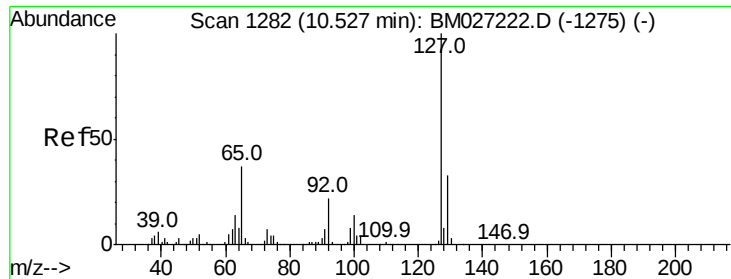


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

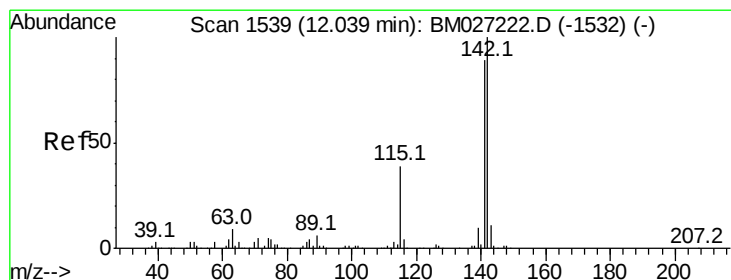
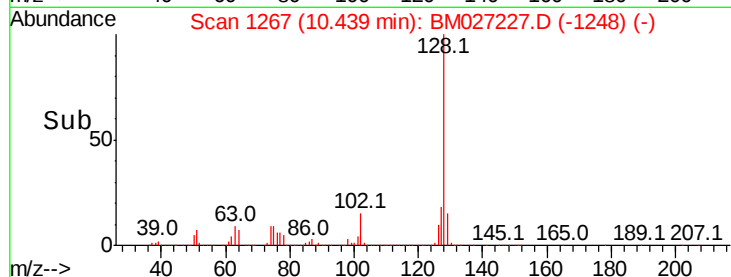
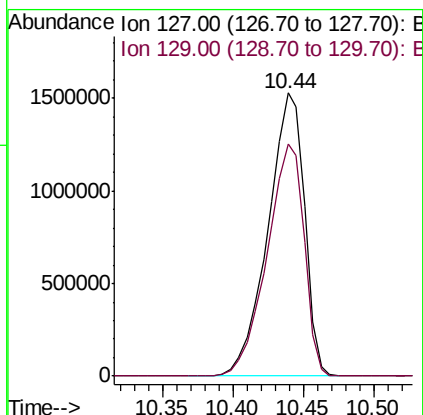
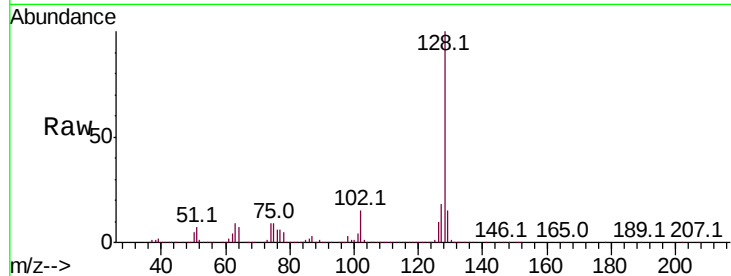




#30
4-Chloroaniline
Concen: 207.829 ng/ul
RT: 10.44 min Scan# 1267
Delta R.T. -0.09 min
Lab File: BM027227.D
Acq: 26 Aug 2020 00:24

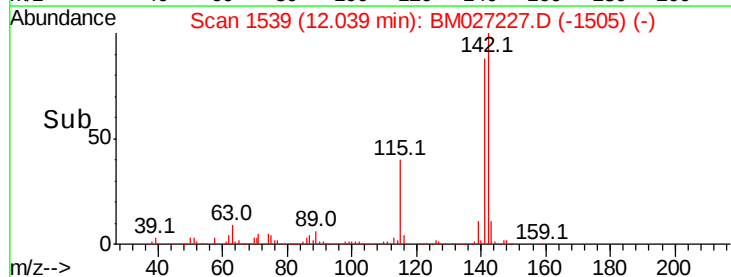
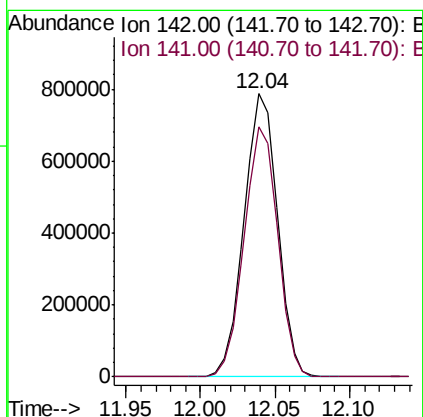
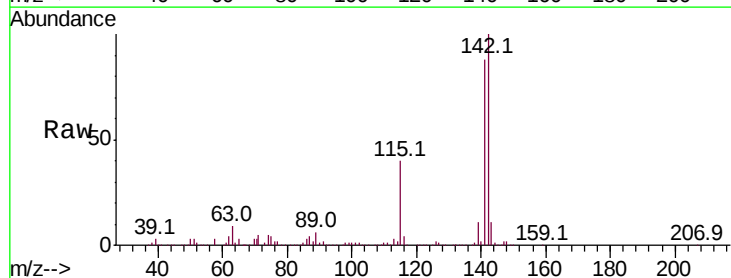
Instrument :
BNA_M
ClientSampleId :
DBFS5DL

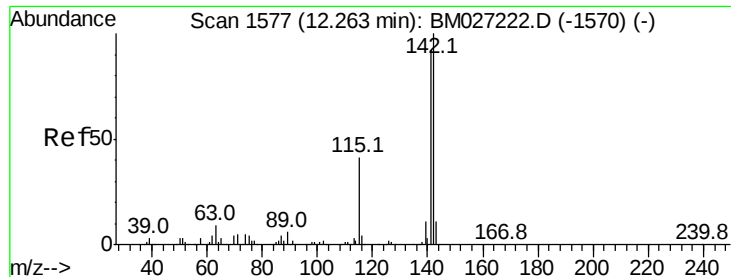
Tot Ion:127 Resp: 2768485
Ion Ratio Lower Upper
127 100
129 82.2 24.5 36.7#



#34
2-Methylnaphthalene
Concen: 46.128 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. 0.00 min
Lab File: BM027227.D
Acq: 26 Aug 2020 00:24

Tgt Ion:142 Resp: 1221683
Ion Ratio Lower Upper
142 100
141 88.3 71.1 106.7





#35

1-Methylnaphthalene

Concen: 26.271 ng/ul

RT: 12.26 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Instrument :

BNA_M

ClientSampleId :

DBFS5DL

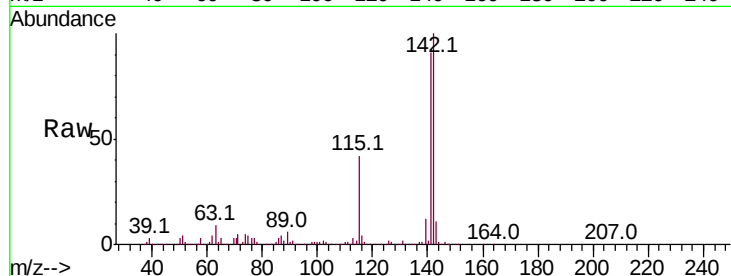
Tot Ion:142 Resp: 679091

Ion Ratio Lower Upper

142 100

141 91.3 72.5 108.7

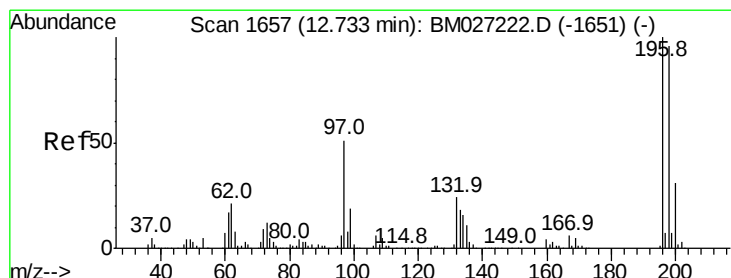
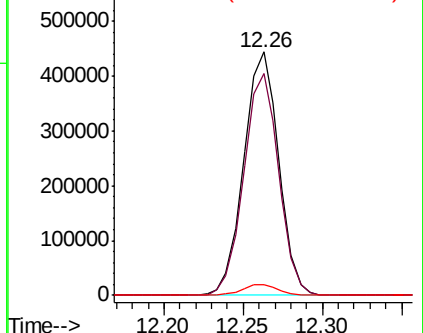
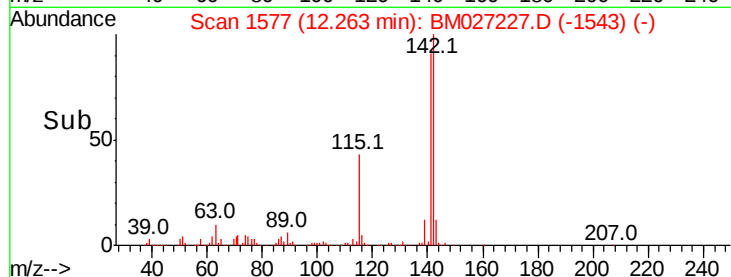
116 4.4 3.2 4.8



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



#40

2,4,5-Trichlorophenol

Concen: 1.136 ng/ul

RT: 12.73 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

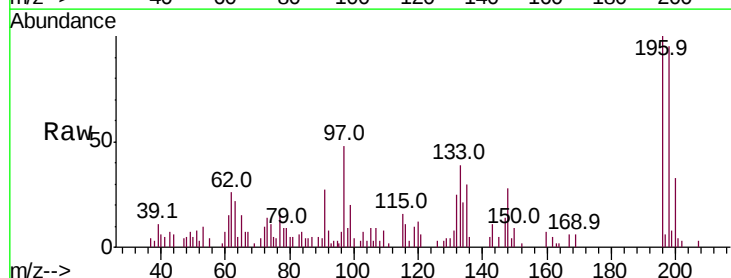
Tgt Ion:196 Resp: 13029

Ion Ratio Lower Upper

196 100

198 94.5 78.5 117.7

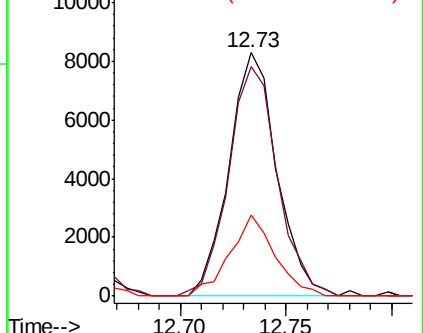
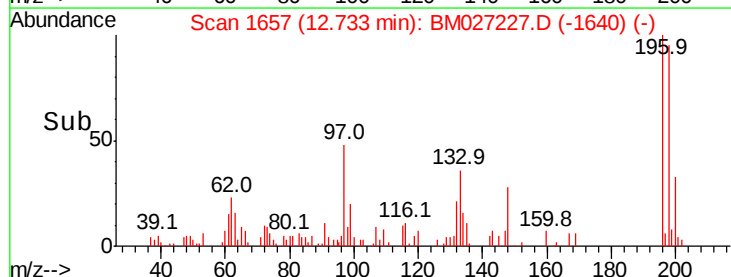
200 33.2 25.2 37.8

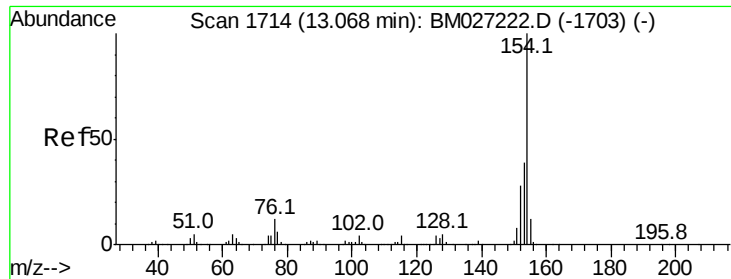


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

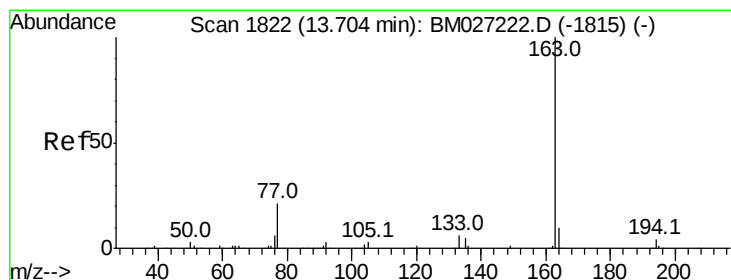
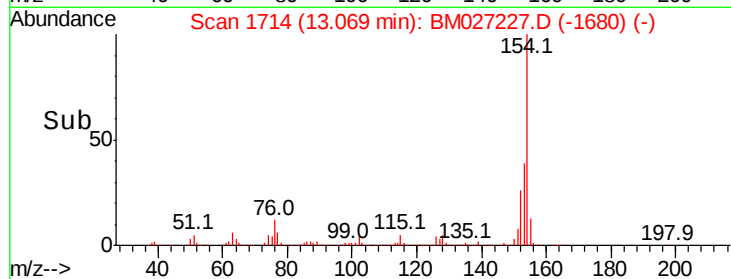
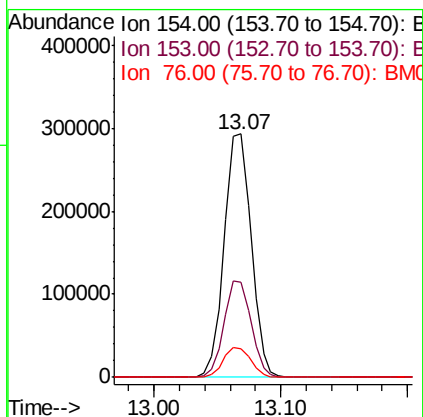
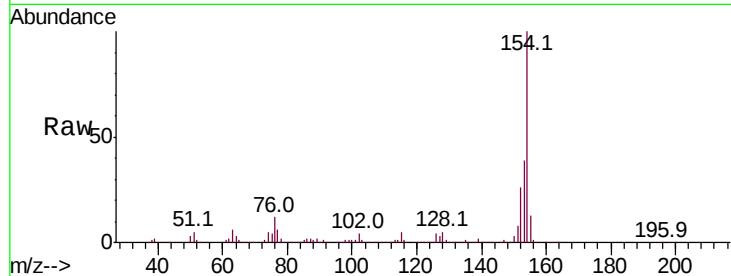




#41
 1,1'-Biphenyl
 Concen: 11.644 ng/ul
 RT: 13.07 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BM027227.D
 Acq: 26 Aug 2020 00:24

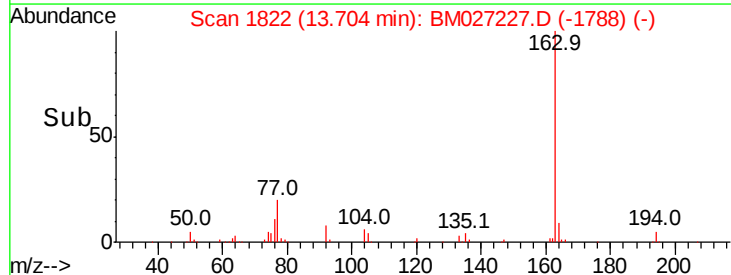
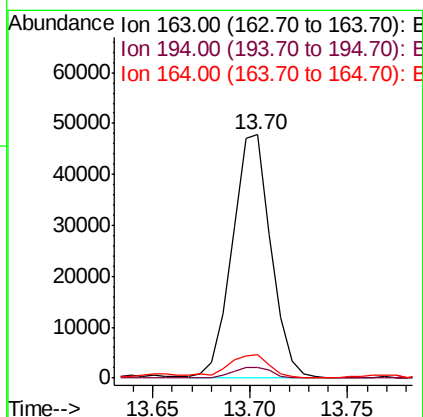
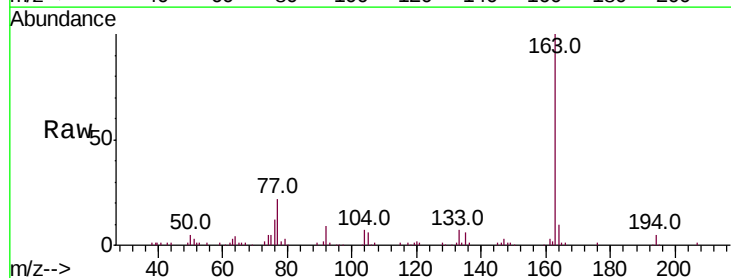
Instrument :
 BNA_M
 ClientSampleId :
 DBFS5DL

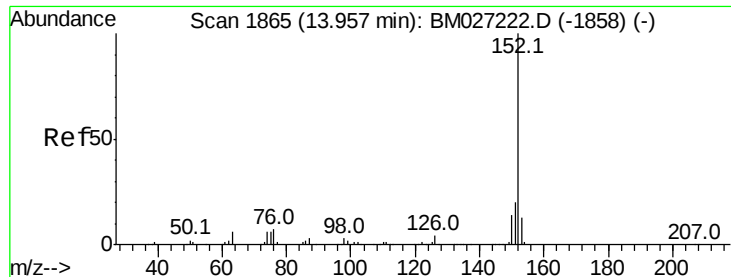
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.2	32.2	48.2
76	11.6	10.2	15.4



#45
 Dimethylphthalate
 Concen: 1.681 ng/ul
 RT: 13.70 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BM027227.D
 Acq: 26 Aug 2020 00:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	9.9	8.2	12.2





#48

Acenaphthylene

Concen: 2.105 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Instrument :

BNA_M

ClientSampleId :

DBFS5DL

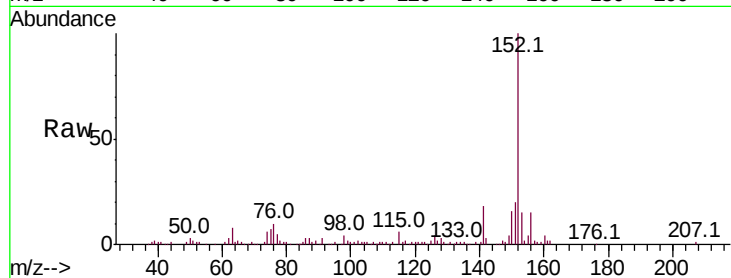
Tot Ion:152 Resp: 93640

Ion Ratio Lower Upper

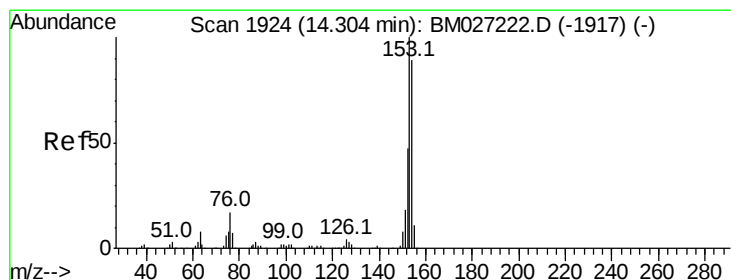
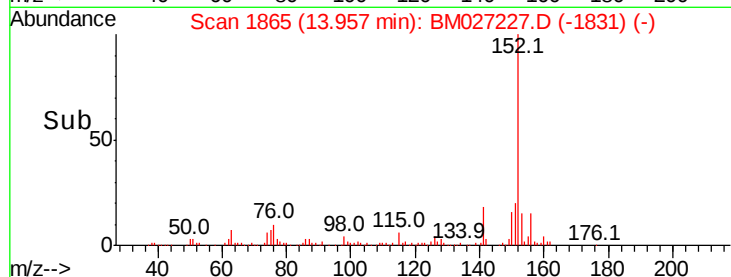
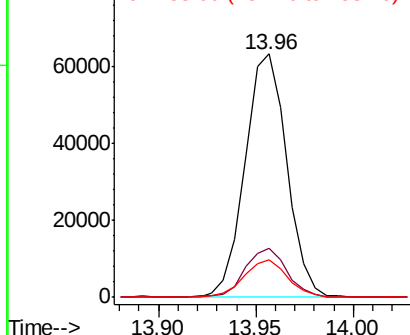
152 100

151 19.9 15.4 23.2

153 15.4 9.8 14.8#



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



#50

Acenaphthene

Concen: 38.389 ng/ul

RT: 14.30 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

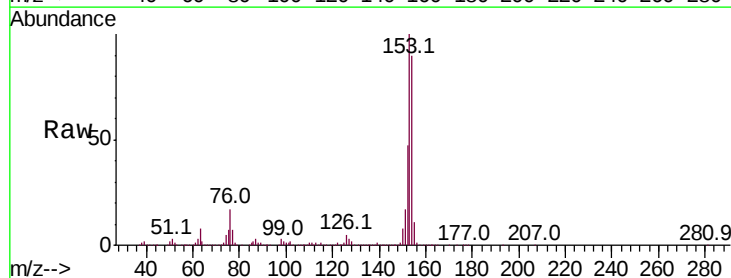
Tgt Ion:153 Resp: 1196211

Ion Ratio Lower Upper

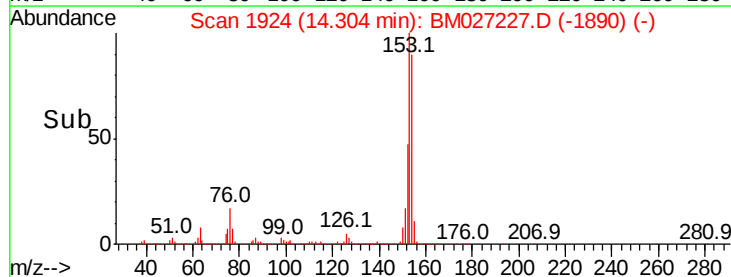
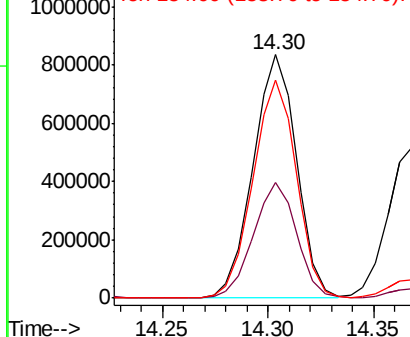
153 100

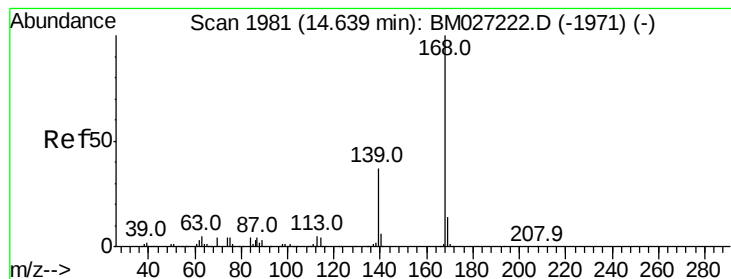
152 47.4 37.4 56.2

154 89.8 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





#54

Dibenzofuran

Concen: 26.934 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

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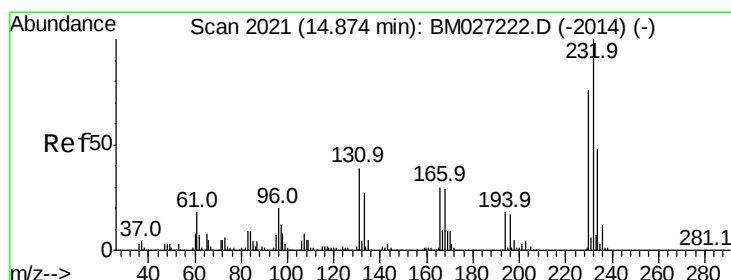
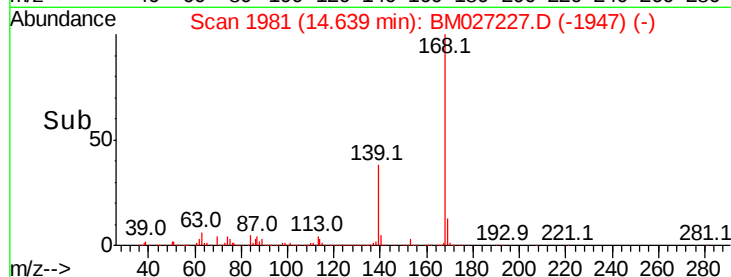
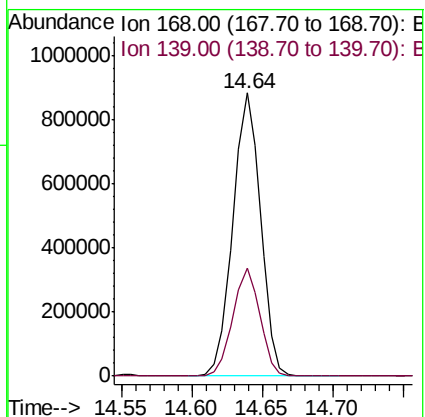
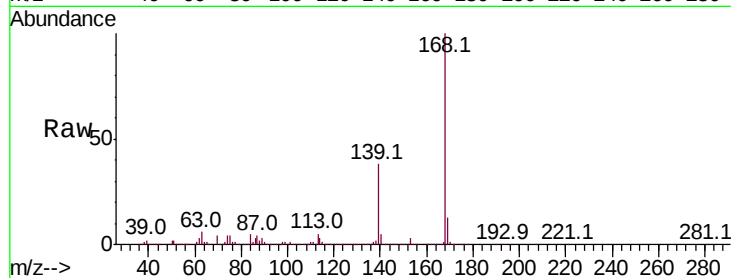
DBFS5DL

Tot Ion:168 Resp: 1204815

Ion Ratio Lower Upper

168 100

139 38.1 28.4 42.6



#56

2,3,4,6-Tetrachlorophenol

Concen: 4.897 ng/ul

RT: 14.87 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Tgt Ion:232 Resp: 50310

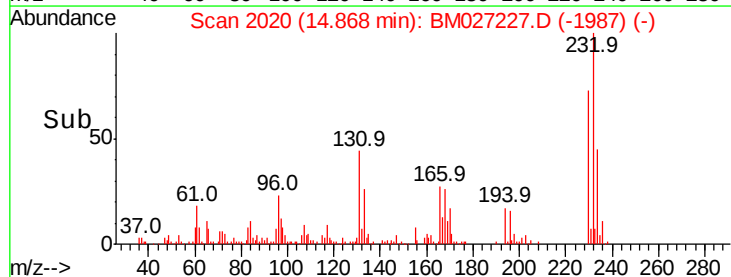
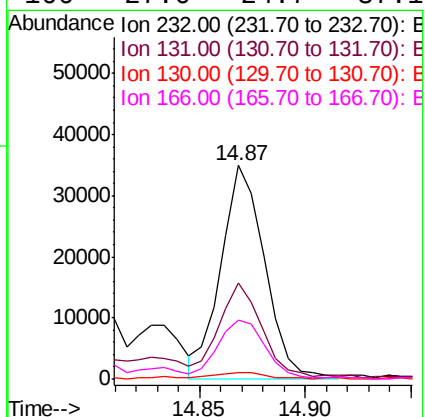
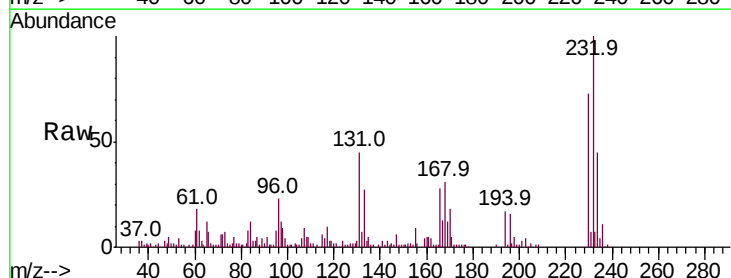
Ion Ratio Lower Upper

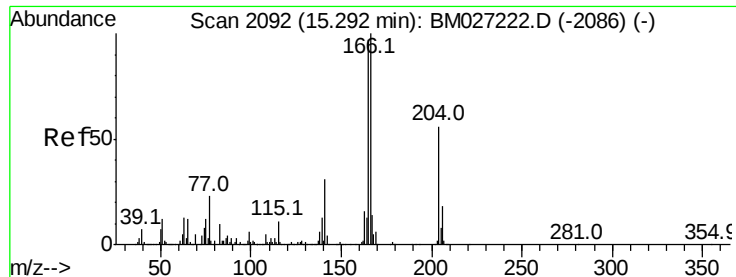
232 100

131 44.8 32.7 49.1

130 3.1 1.8 2.6#

166 27.6 24.7 37.1





#59

Fluorene

Concen: 15.883 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Instrument :

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ClientSampleId :

DBFS5DL

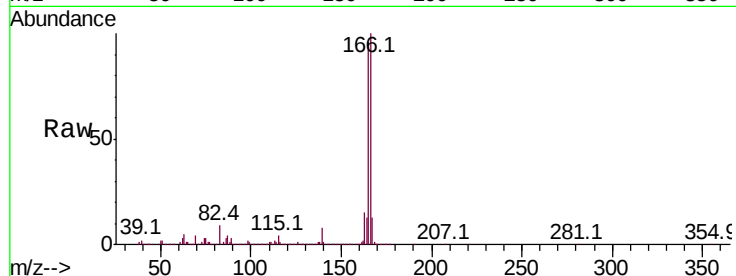
Tot Ion:166 Resp: 602507

Ion Ratio Lower Upper

166 100

165 96.2 76.9 115.3

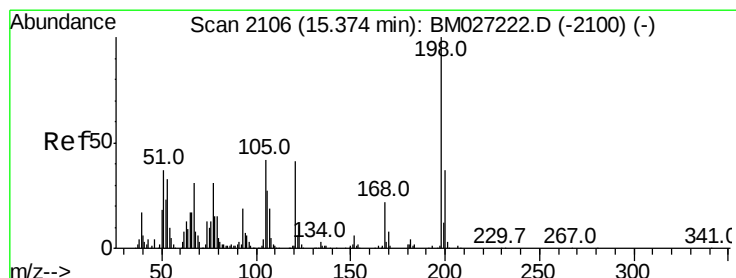
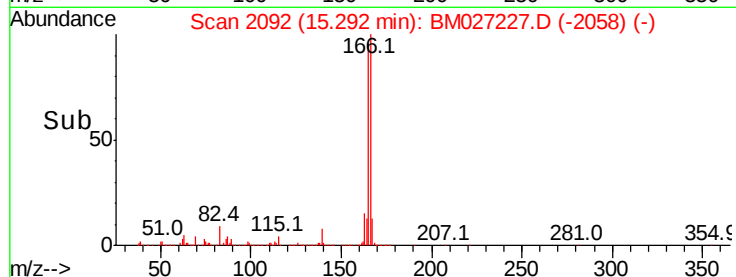
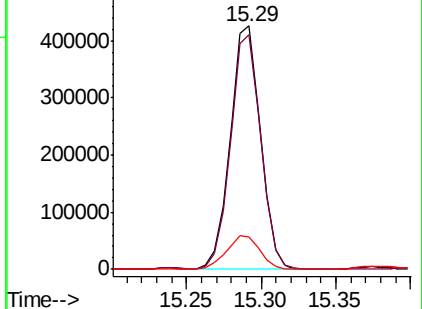
167 13.3 10.7 16.1



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.126 ng/ul

RT: 15.38 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

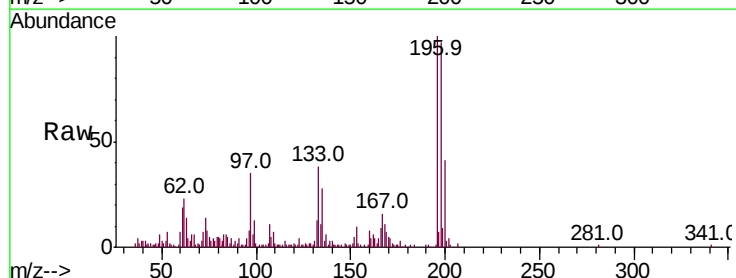
Tgt Ion:198 Resp: 48887

Ion Ratio Lower Upper

198 100

182 1.1 3.6 5.4#

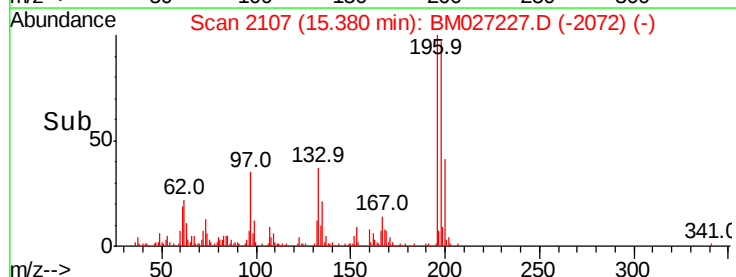
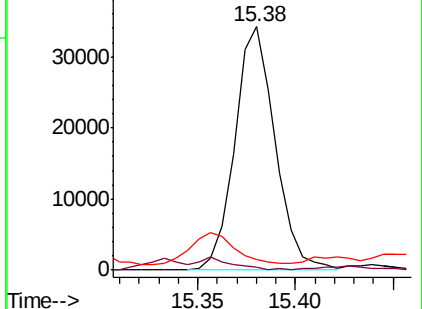
77 4.3 23.1 34.7#

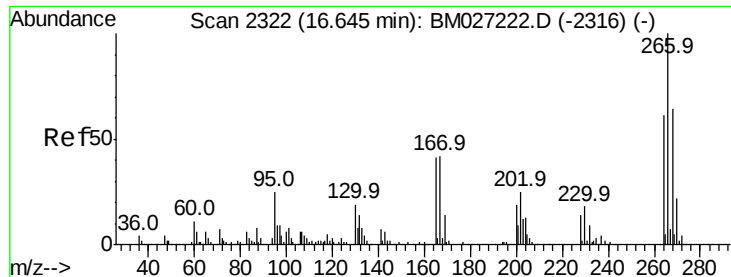


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E

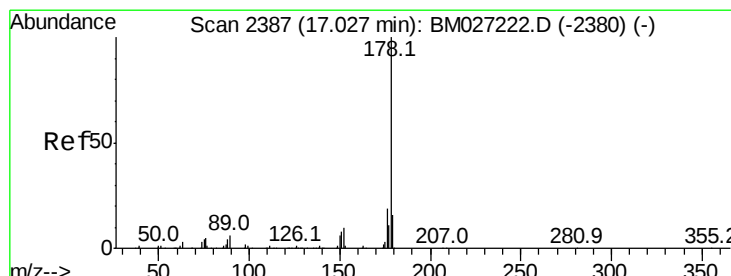
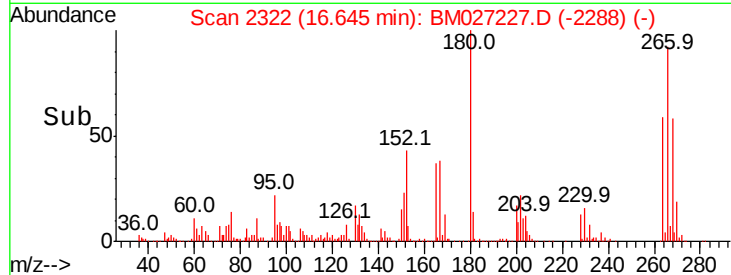
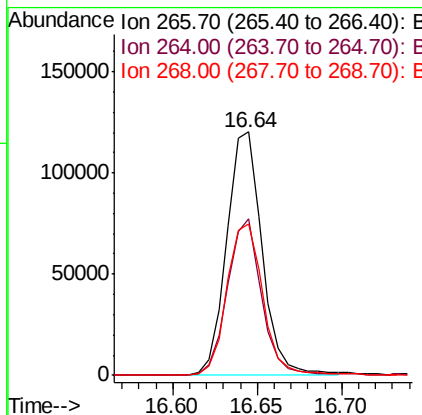
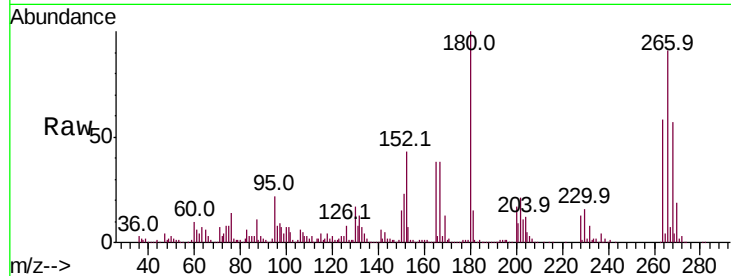




#69
 Pentachlorophenol
 Concen: 18.491 ng/ul
 RT: 16.64 min Scan# 2322
 Delta R.T. 0.00 min
 Lab File: BM027227.D
 Acq: 26 Aug 2020 00:24

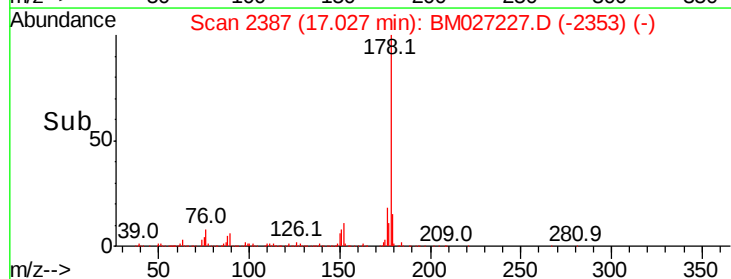
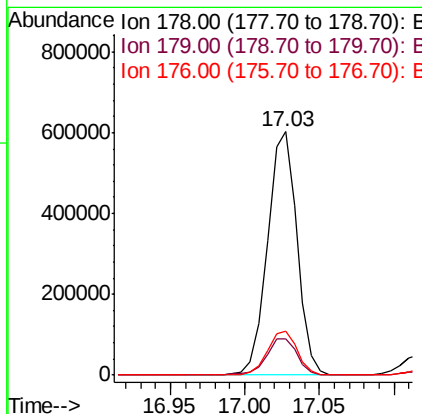
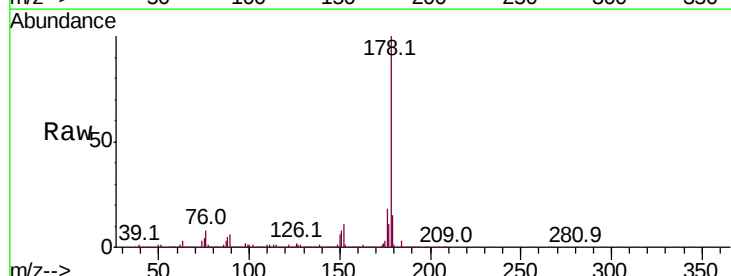
Instrument :
 BNA_M
 ClientSampleId :
 DBFS5DL

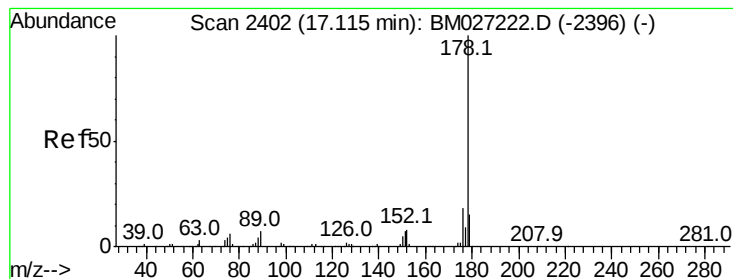
Tot Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.8	74.8
268	62.4	50.3	75.5



#70
 Phenanthrene
 Concen: 12.819 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: BM027227.D
 Acq: 26 Aug 2020 00:24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	18.3	14.6	22.0





#72

Anthracene

Concen: 1.064 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Instrument :

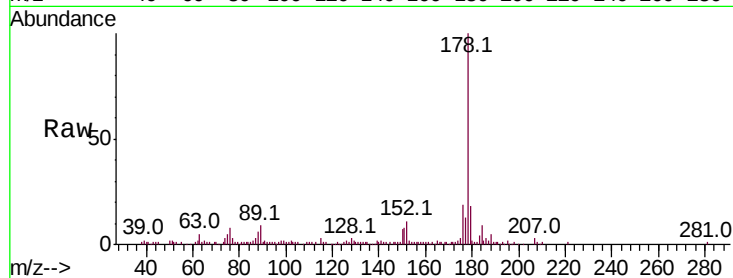
BNA_M

ClientSampleId :

DBFS5DL

Tot Ion:178 Resp: 69718

Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.3	18.5
176	18.9	14.8	22.2

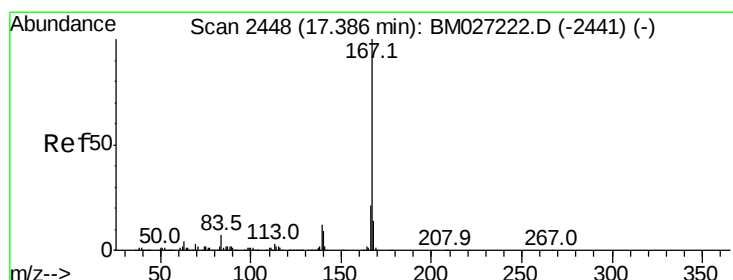
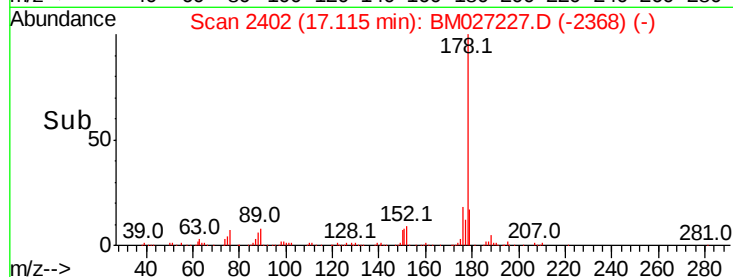
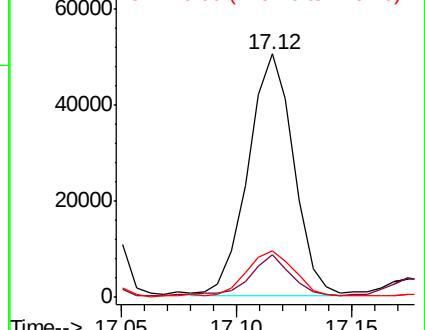


Abundance

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



#75

Carbazole

Concen: 73.113 ng/ul

RT: 17.39 min Scan# 2449

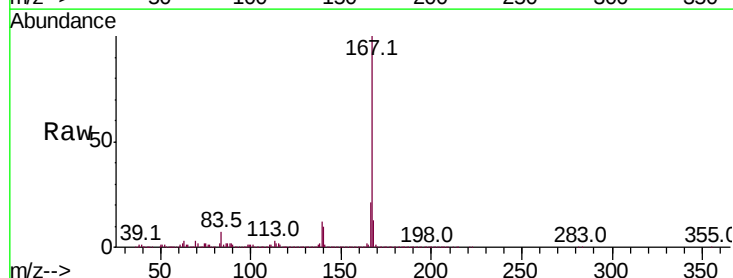
Delta R.T. 0.01 min

Lab File: BM027227.D

Acq: 26 Aug 2020 00:24

Tgt Ion:167 Resp: 3949224

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.2	24.4
139	12.2	9.2	13.8



Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

