

Data File : BM026992.D
Acq On : 03 Aug 2020 23:29
Operator : JU/CG
Sample : L3531-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F4L06

Quant Time: Aug 04 02:39:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	113185	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	442847	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	280044	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	574520	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	556795	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	557484	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	11305	4.56	ng/uL	0.00
5) Phenol-d5	6.83	99	61910	6.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	171095	25.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	161161	21.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	116041	15.21	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	99532	28.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	107647	34.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	207998	27.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	24563	2.73	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	749232	34.12	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	885156	31.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	32493	8.75	ng/ul	0.00
58) Fluorene-d10	15.29	176	628077	32.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	497846	194.39	ng/ul	0.02
71) Anthracene-d10	17.14	188	1006445	35.05	ng/ul	0.00
79) Pyrene-d10	19.43	212	1066821	35.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	1131765	35.98	ng/ul	0.00

Target Compounds

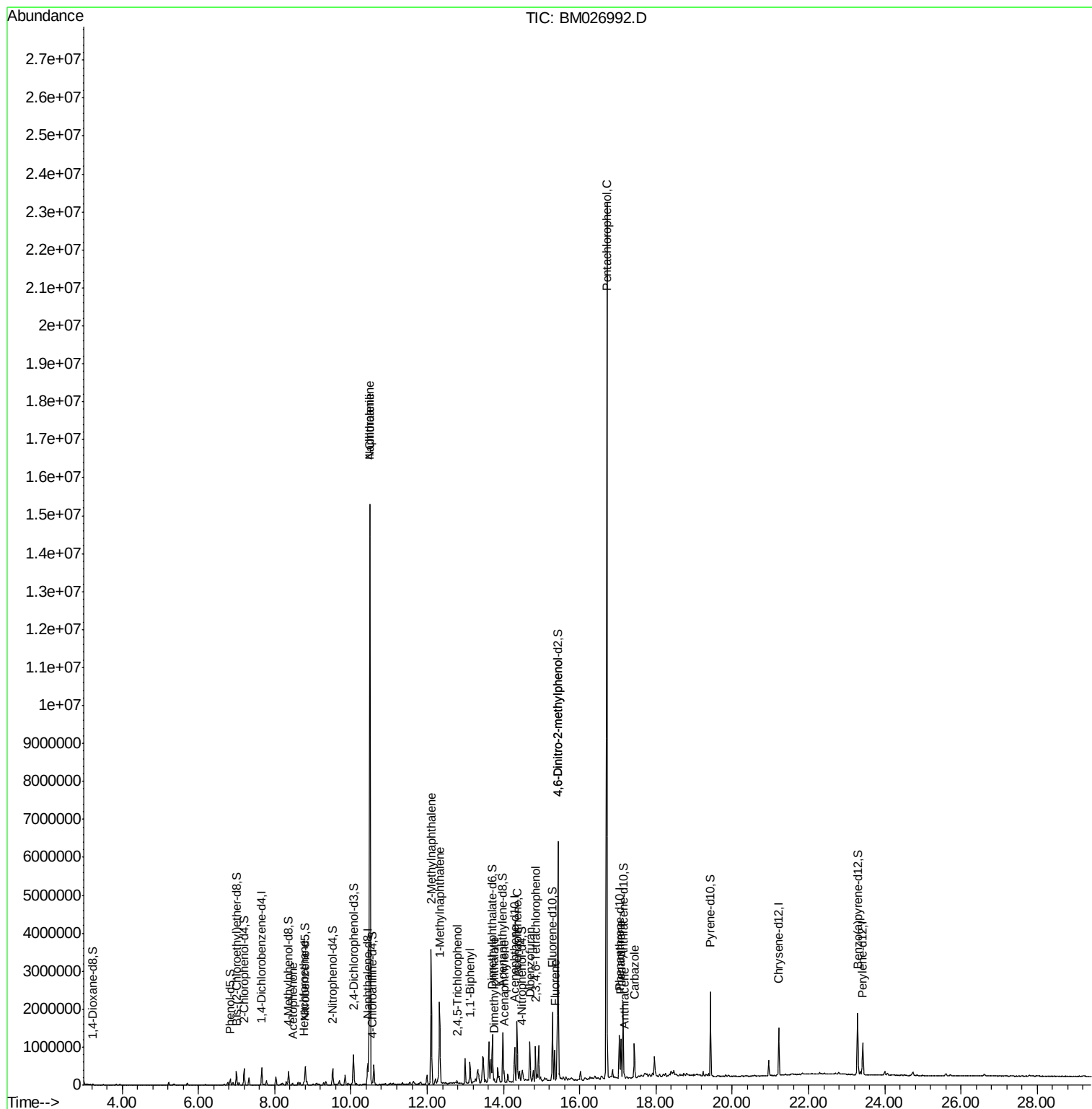
					Qvalue	
14) Acetophenone	8.47	105	25227	1.993	ng/ul#	36
17) Hexachloroethane	8.77	117	15186	4.136	ng/ul#	7
28) Naphthalene	10.50	128	12070940	487.888	ng/ul	99
30) 4-Chloroaniline	10.50	127	1629262	179.719	ng/ul#	3
34) 2-Methylnaphthalene	12.10	142	1509312	86.290	ng/ul	100
35) 1-Methylnaphthalene	12.33	142	926857	54.233	ng/ul	100
40) 2,4,5-Trichlorophenol	12.79	196	11823	2.017	ng/ul	94
41) 1,1'-Biphenyl	13.12	154	257533	11.005	ng/ul	100
45) Dimethylphthalate	13.76	163	71974	3.123	ng/ul	99
48) Acenaphthylene	14.02	152	31786	1.120	ng/ul#	54
50) Acenaphthene	14.36	153	589510	30.137	ng/ul	99
54) Dibenzofuran	14.69	168	482570	17.798	ng/ul	99
56) 2,3,4,6-Tetrachlorophenol	14.84	232	162113	35.258	ng/ul	91
59) Fluorene	15.34	166	317564	13.908	ng/ul	98
64) 4,6-Dinitro-2-methylphenol	15.43	198	1250540	429.705	ng/ul#	45
69) Pentachlorophenol	16.71	266	4210540	1107.096	ng/ul	98
70) Phenanthrene	17.08	178	547573	15.701	ng/ul	99
72) Anthracene	17.17	178	48306	1.348	ng/ul	96
75) Carbazole	17.43	167	523650	16.526	ng/ul	99

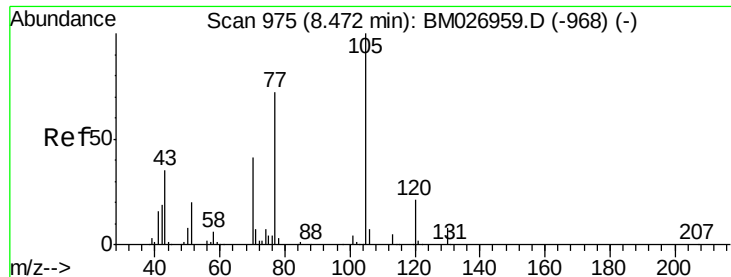
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.993 ng/ul

RT: 8.47 min Scan# 932

Delta R.T. -0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampleId :

F4L06

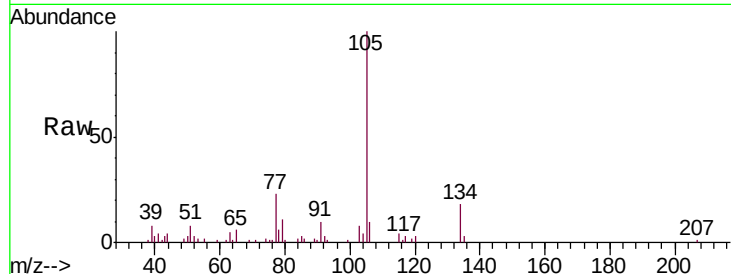
Tgt Ion:105 Resp: 25227

Ion Ratio Lower Upper

105 100

77 23.0 74.0 111.0#

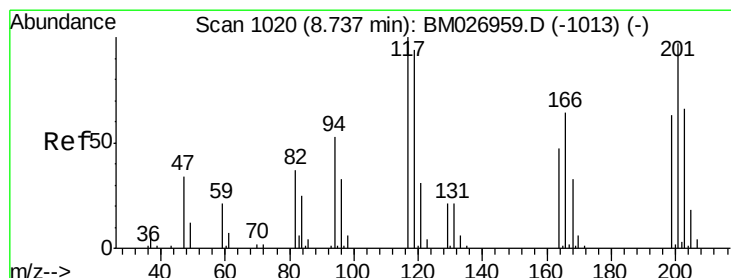
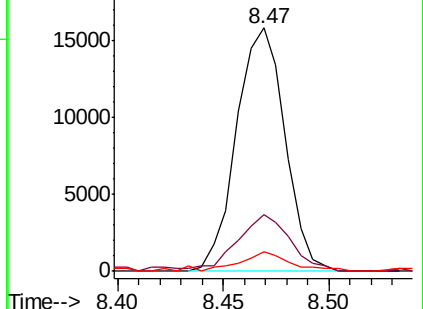
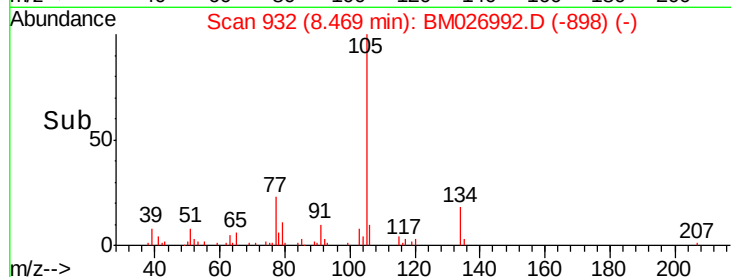
51 8.0 17.3 25.9#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#17

Hexachloroethane

Concen: 4.136 ng/ul

RT: 8.77 min Scan# 983

Delta R.T. 0.03 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

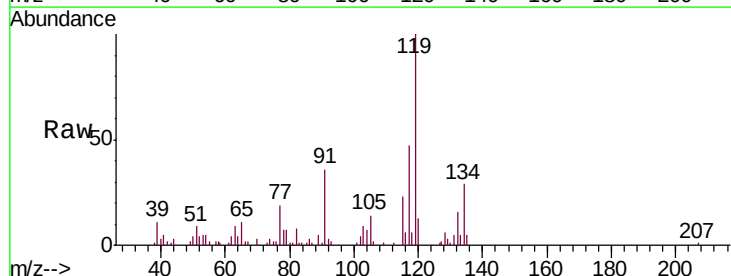
Tgt Ion:117 Resp: 15186

Ion Ratio Lower Upper

117 100

201 0.0 80.8 121.2#

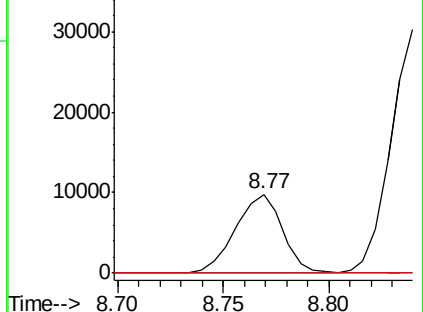
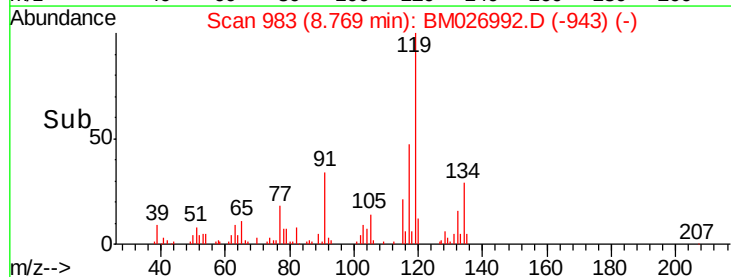
199 0.0 50.3 75.5#

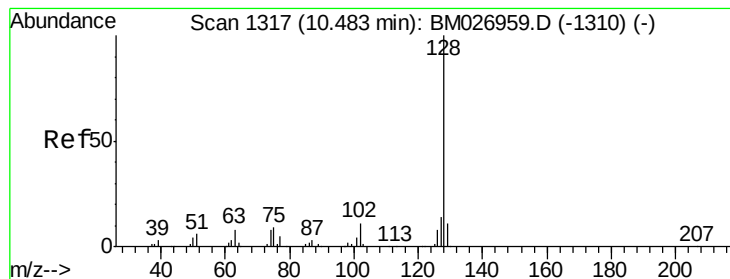


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 487.888 ng/ul

RT: 10.50 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampled :

F4L06

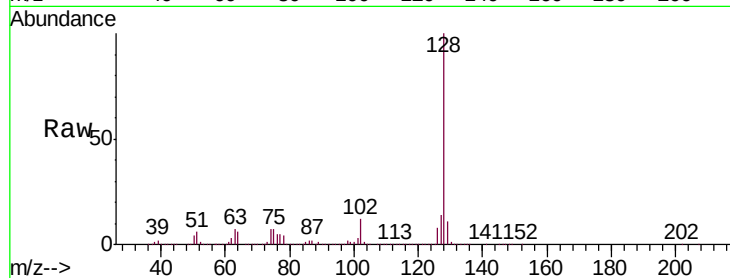
Tgt Ion:128 Resp:12070940

Ion Ratio Lower Upper

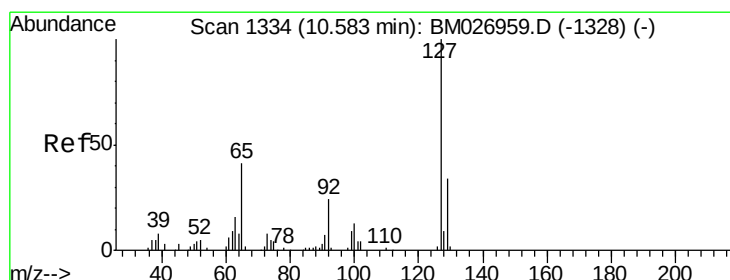
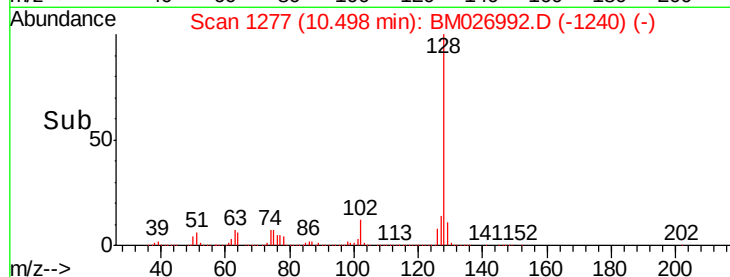
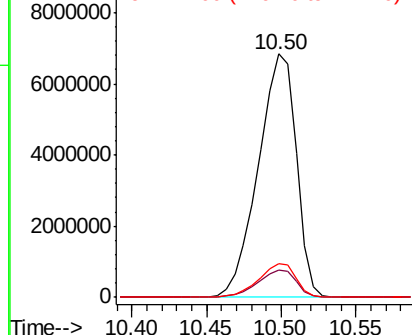
128 100

129 11.4 8.3 12.5

127 13.7 11.0 16.6



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: 179.719 ng/ul

RT: 10.50 min Scan# 1277

Delta R.T. -0.09 min

Lab File: BM026992.D

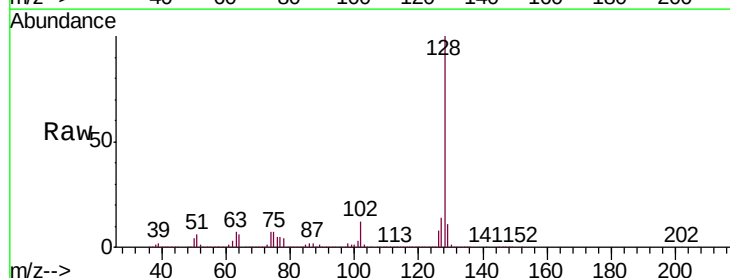
Acq: 03 Aug 2020 23:29

Tgt Ion:127 Resp: 1629262

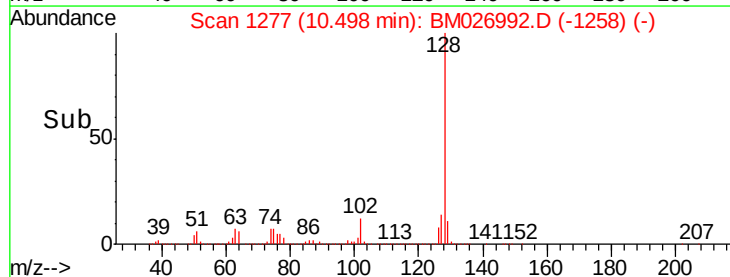
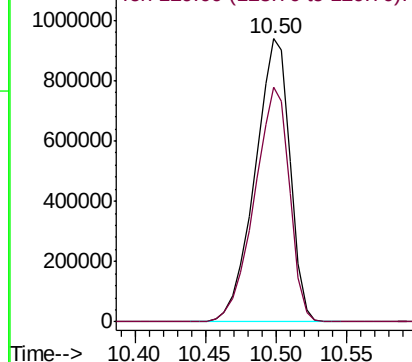
Ion Ratio Lower Upper

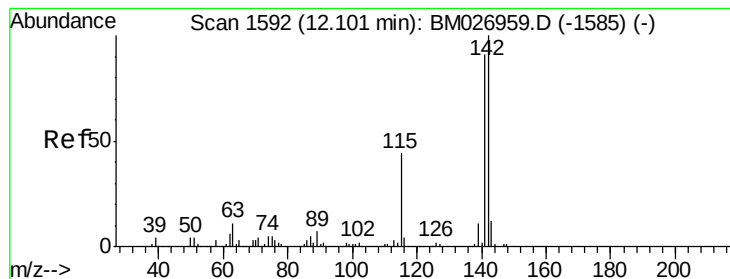
127 100

129 83.1 24.3 36.5#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 86.290 ng/ul

RT: 12.10 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampleId :

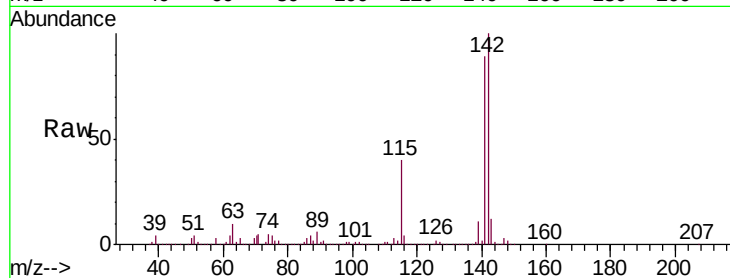
F4L06

Tgt Ion:142 Resp: 1509312

Ion Ratio Lower Upper

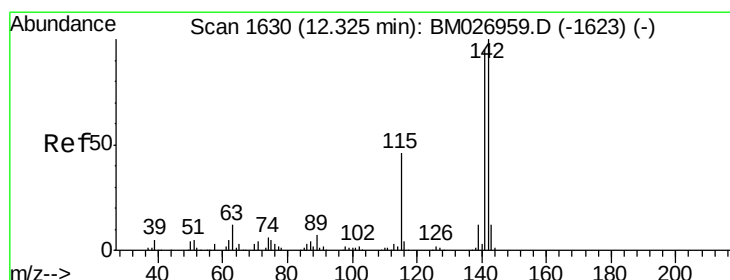
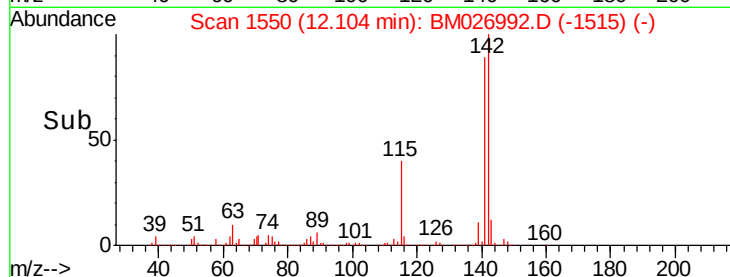
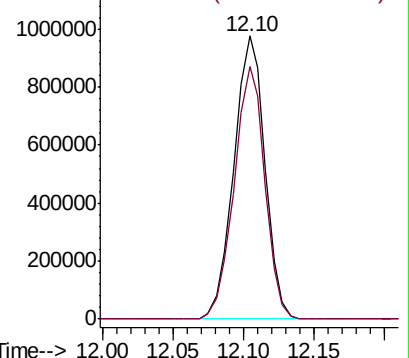
142 100

141 89.1 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: 54.233 ng/ul

RT: 12.33 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

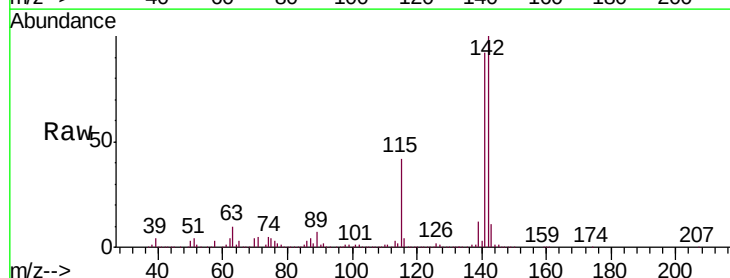
Tgt Ion:142 Resp: 926857

Ion Ratio Lower Upper

142 100

141 92.0 73.3 109.9

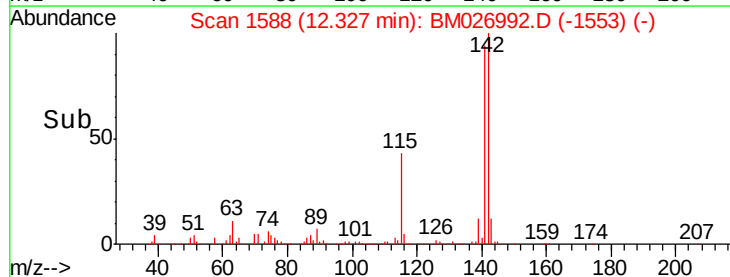
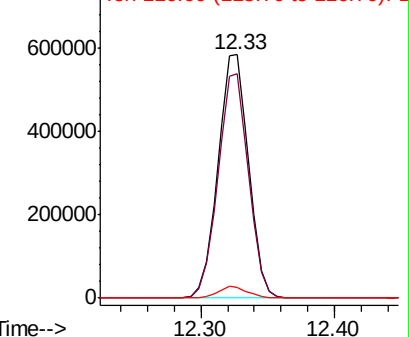
116 4.3 3.4 5.0

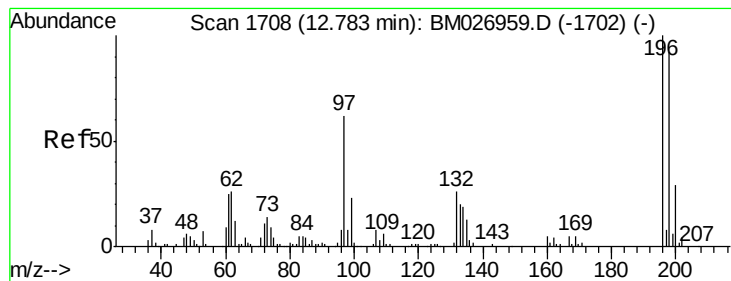


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#40

2,4,5-Trichlorophenol

Concen: 2.017 ng/ul

RT: 12.79 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampled :

F4L06

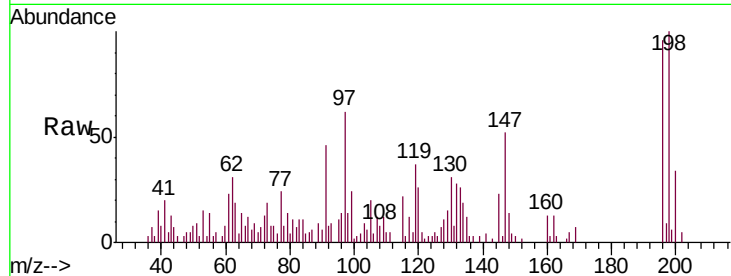
Tgt Ion:196 Resp: 11823

Ion Ratio Lower Upper

196 100

198 103.9 79.0 118.6

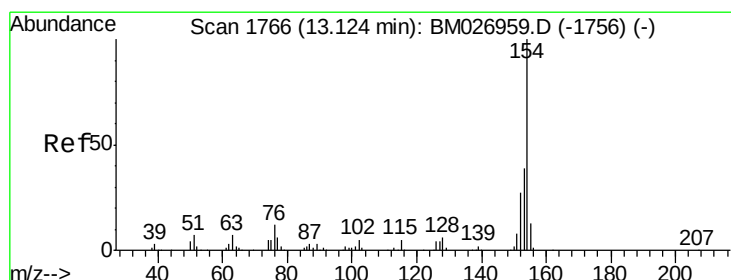
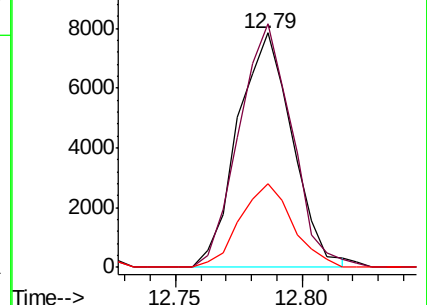
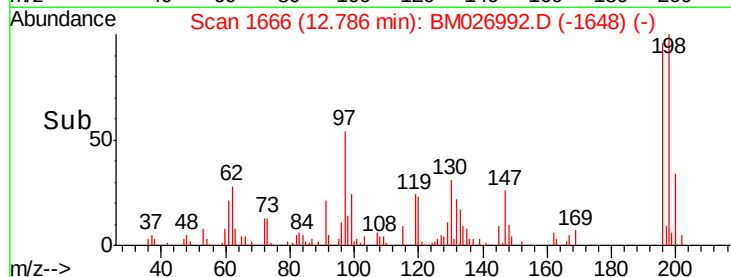
200 35.7 25.4 38.2



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: 11.005 ng/ul

RT: 13.12 min Scan# 1723

Delta R.T. -0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

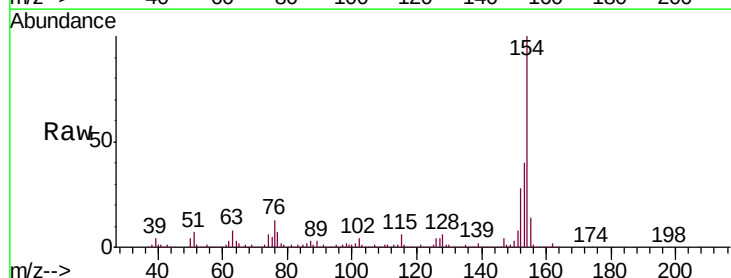
Tgt Ion:154 Resp: 257533

Ion Ratio Lower Upper

154 100

153 39.6 31.4 47.2

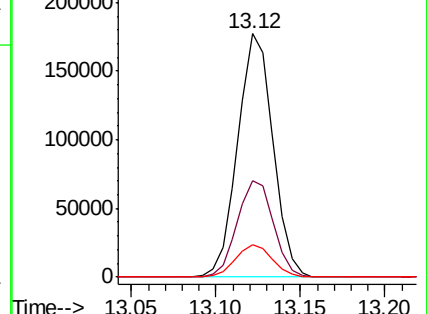
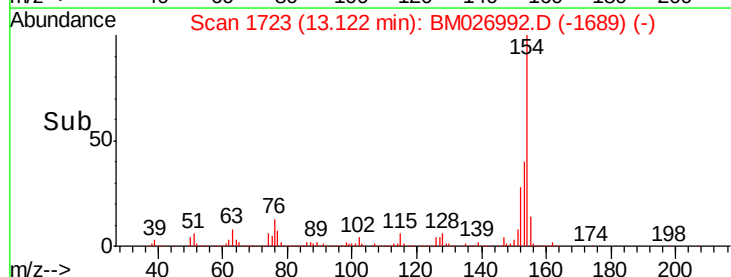
76 13.4 10.8 16.2

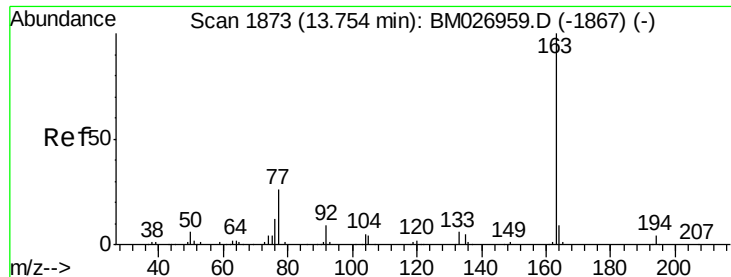


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

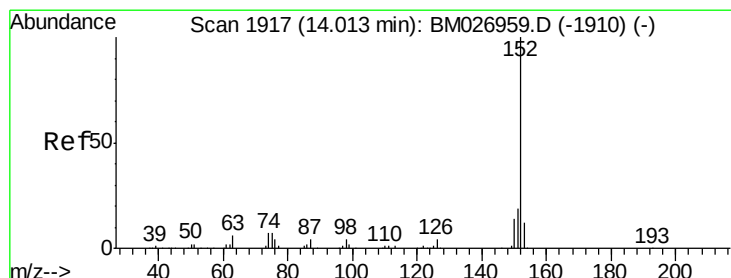
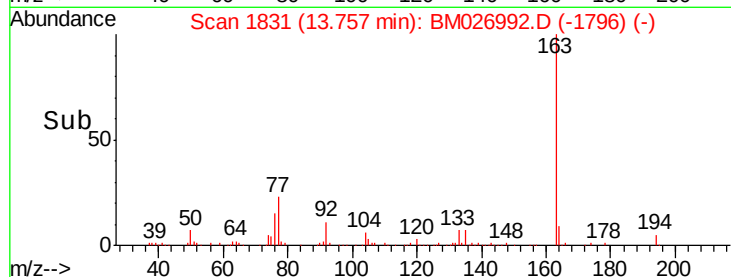
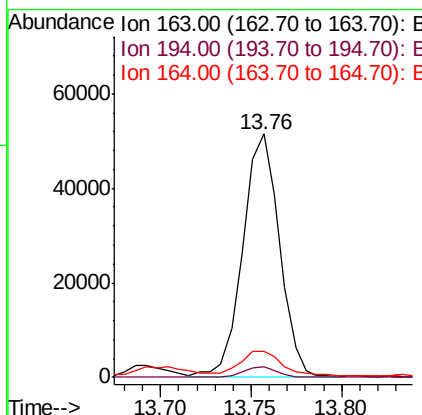
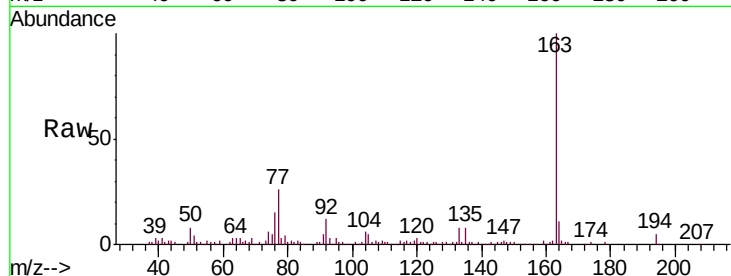




#45
Dimethylphthalate
Concen: 3.123 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM026992.D
Acq: 03 Aug 2020 23:29

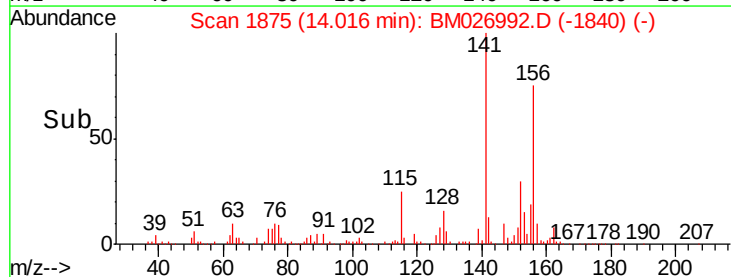
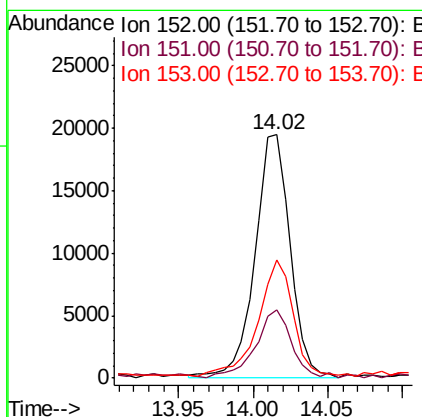
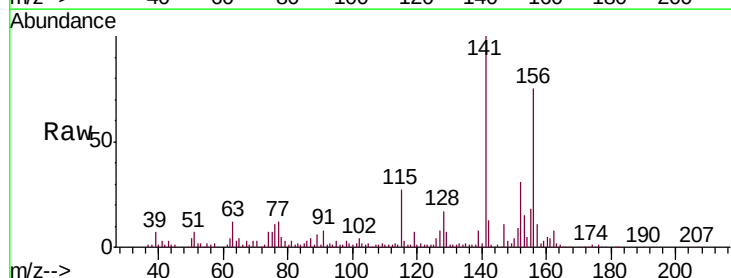
Instrument :
BNA_M
ClientSampleId :
F4L06

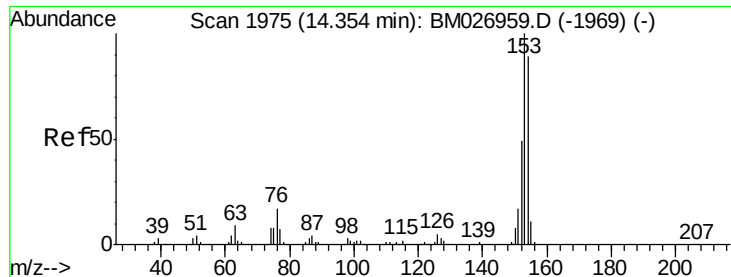
Tgt Ion:163 Resp: 71974
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.6
164 10.8 8.6 12.8



#48
Acenaphthylene
Concen: 1.120 ng/ul
RT: 14.02 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM026992.D
Acq: 03 Aug 2020 23:29

Tgt Ion:152 Resp: 31786
Ion Ratio Lower Upper
152 100
151 27.8 15.8 23.6#
153 48.6 10.7 16.1#





#50

Acenaphthene

Concen: 30.137 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampled :

F4L06

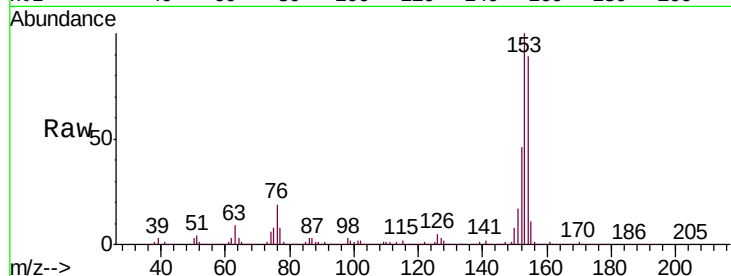
Tgt Ion:153 Resp: 589510

Ion Ratio Lower Upper

153 100

152 46.4 37.8 56.6

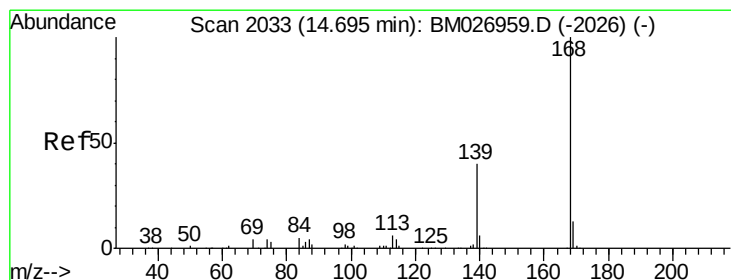
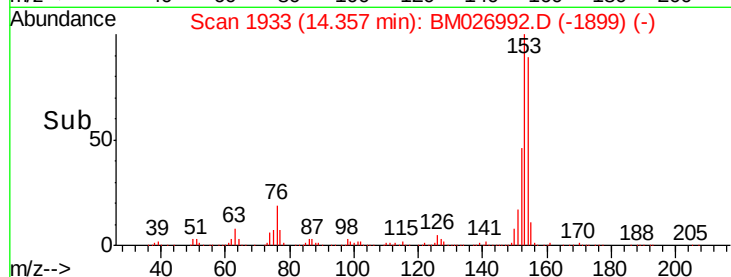
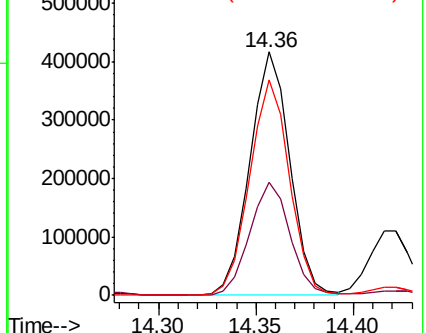
154 88.6 70.5 105.7



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



#54

Dibenzofuran

Concen: 17.798 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BM026992.D

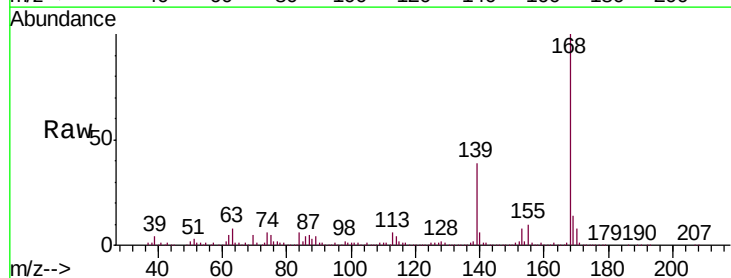
Acq: 03 Aug 2020 23:29

Tgt Ion:168 Resp: 482570

Ion Ratio Lower Upper

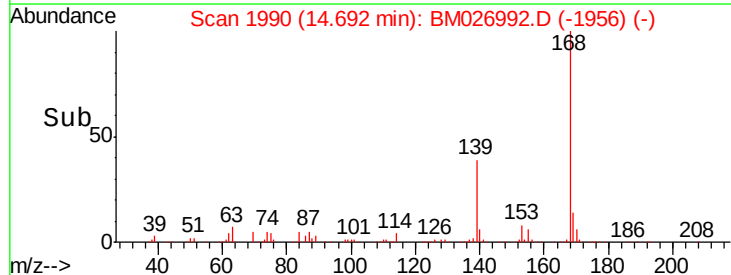
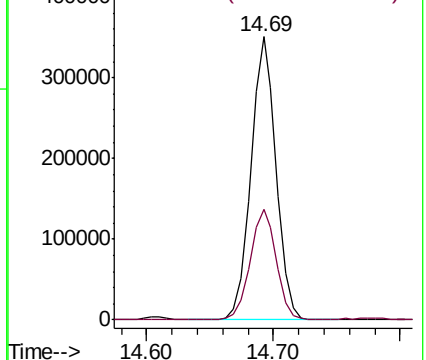
168 100

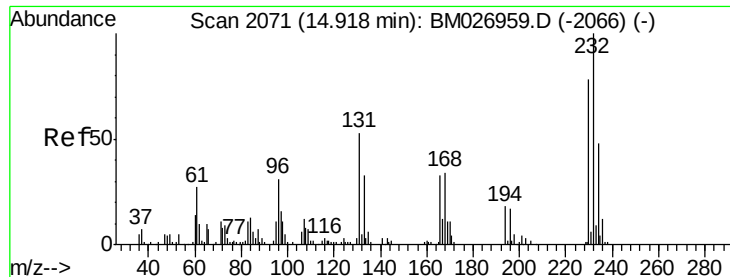
139 39.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

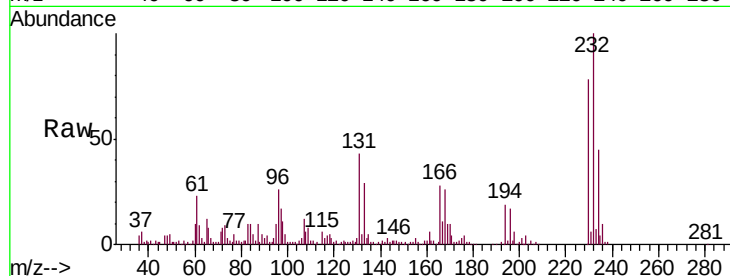




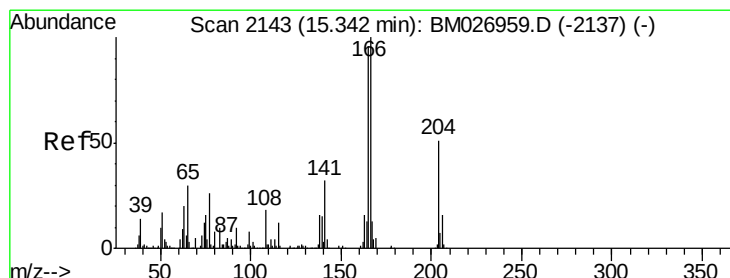
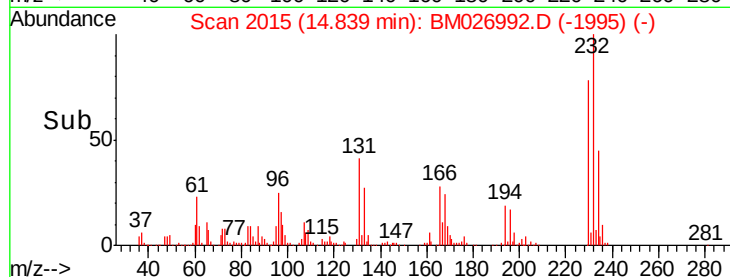
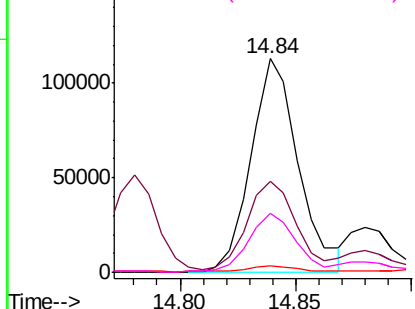
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 35.258 ng/ul
 RT: 14.84 min Scan# 2015
 Delta R.T. -0.09 min
 Lab File: BM026992.D
 Acq: 03 Aug 2020 23:29

Instrument :
 BNA_M
 ClientSampleId :
 F4L06

Tgt Ion:	232	Resp:	162113
Ion	Ratio	Lower	Upper
232	100		
131	42.8	39.4	59.2
130	3.2	2.6	4.0
166	27.8	26.7	40.1

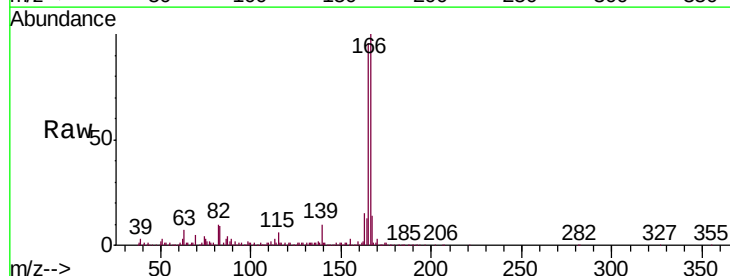


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

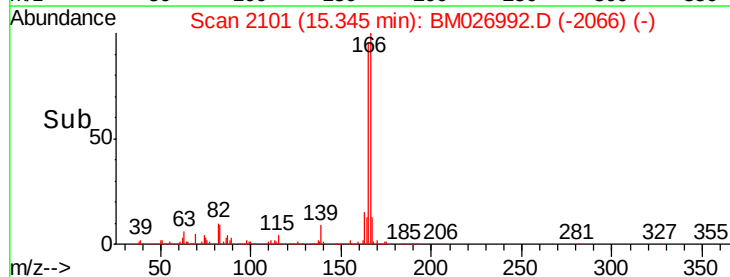
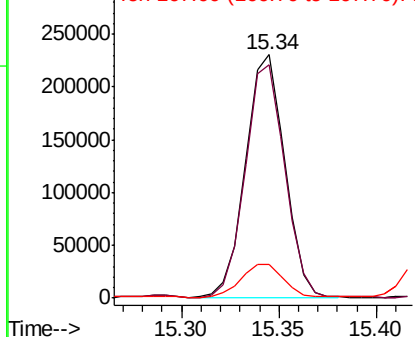


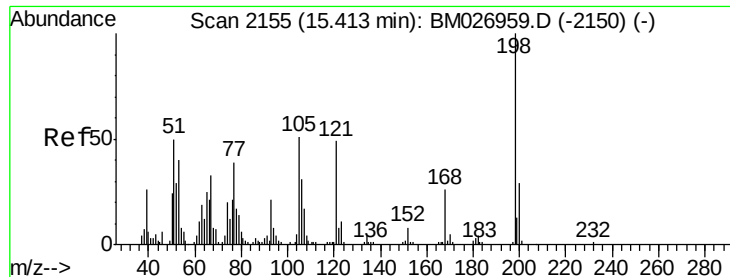
#59
 Fluorene
 Concen: 13.908 ng/ul
 RT: 15.34 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BM026992.D
 Acq: 03 Aug 2020 23:29

Tgt Ion:	166	Resp:	317564
Ion	Ratio	Lower	Upper
166	100		
165	96.0	78.2	117.2
167	14.0	10.3	15.5



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

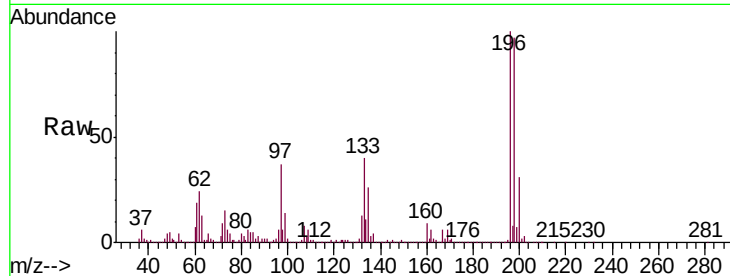




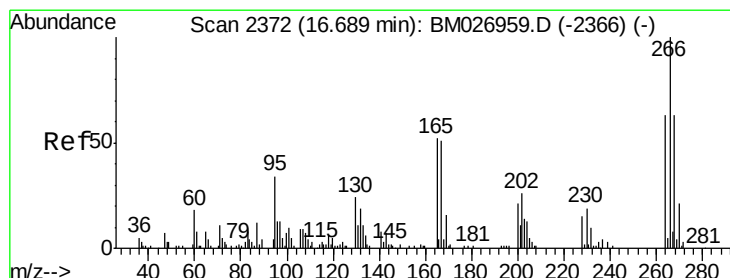
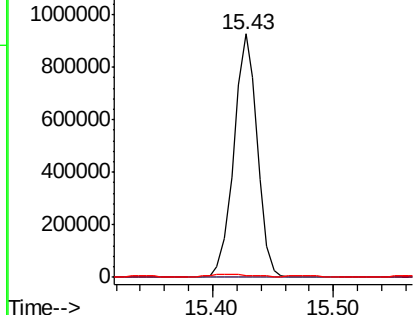
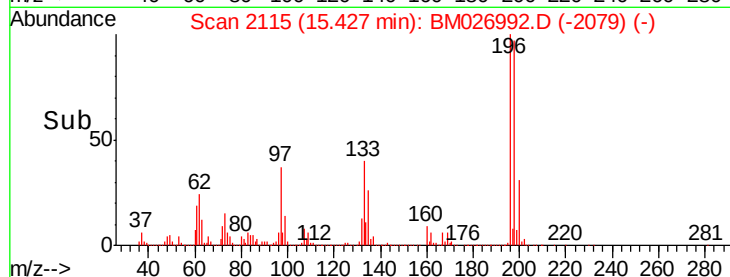
#64
 4,6-Dinitro-2-methylphenol
 Concen: 429.705 ng/ul
 RT: 15.43 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: BM026992.D
 Acq: 03 Aug 2020 23:29

Instrument :
 BNA_M
 ClientSampleId :
 F4L06

Tgt Ion:198 Resp: 1250540
 Ion Ratio Lower Upper
 198 100
 182 0.1 4.2 6.4#
 77 0.8 29.3 43.9#

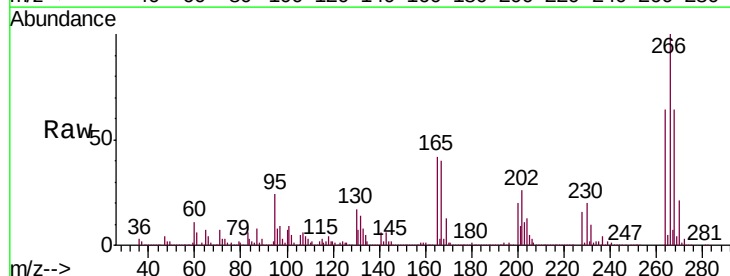


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BM

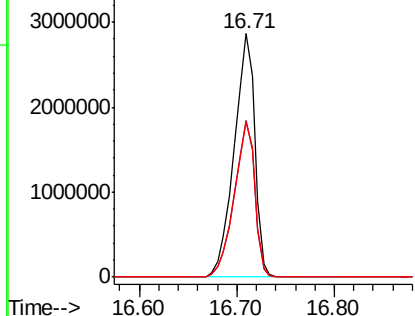
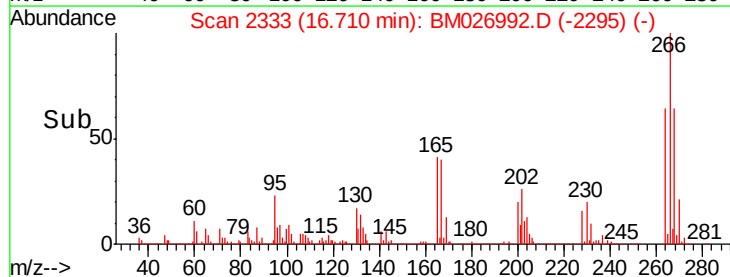


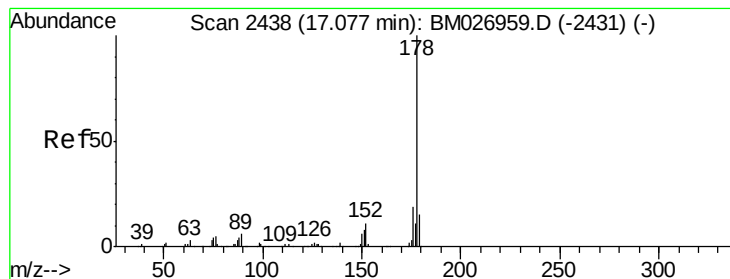
#69
 Pentachlorophenol
 Concen: 1107.096 ng/ul
 RT: 16.71 min Scan# 2333
 Delta R.T. 0.02 min
 Lab File: BM026992.D
 Acq: 03 Aug 2020 23:29

Tgt Ion:266 Resp: 4210540
 Ion Ratio Lower Upper
 266 100
 264 64.1 49.3 73.9
 268 64.0 50.5 75.7



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 15.701 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampleId :

F4L06

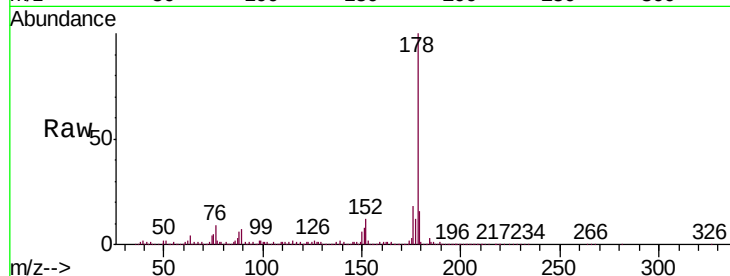
Tgt Ion:178 Resp: 547573

Ion Ratio Lower Upper

178 100

179 16.0 12.0 18.0

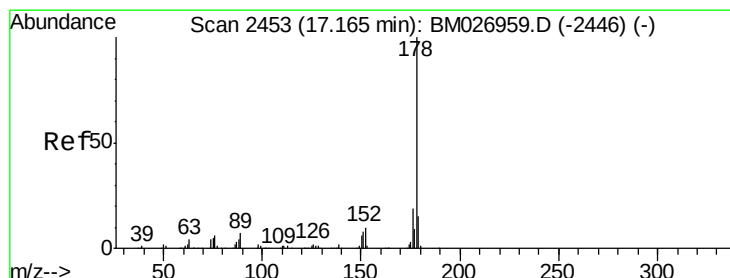
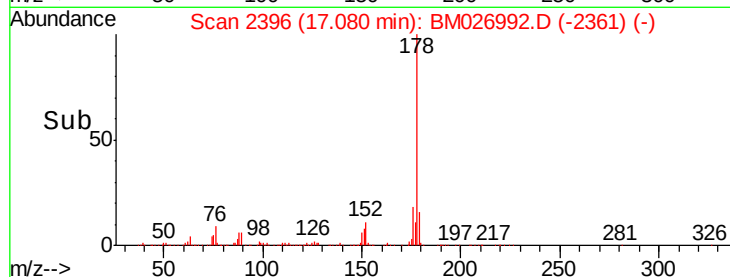
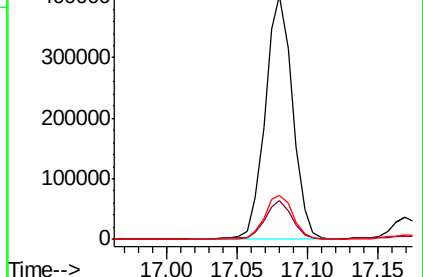
176 18.2 14.7 22.1



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: 1.348 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

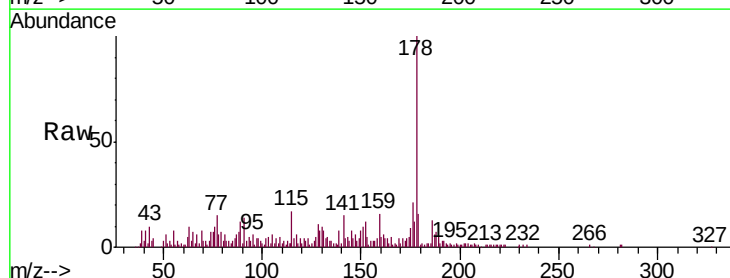
Tgt Ion:178 Resp: 48306

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.6

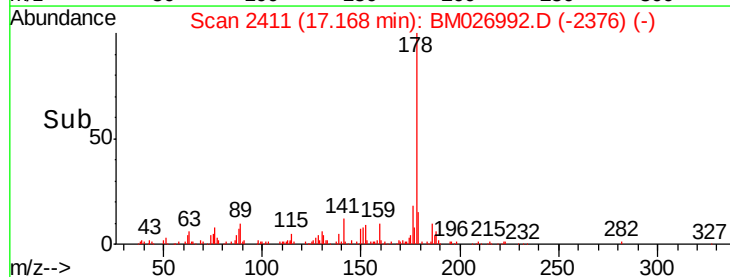
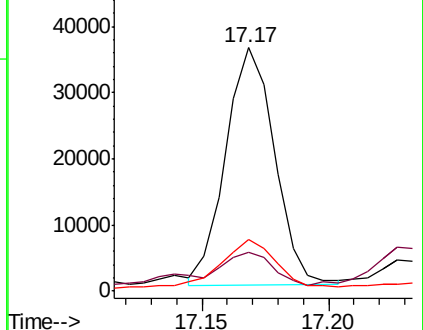
176 21.1 15.0 22.6

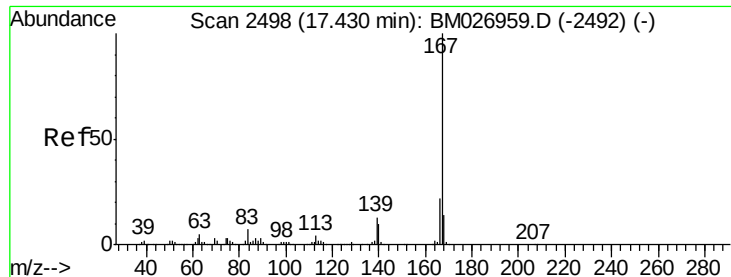


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 16.526 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM026992.D

Acq: 03 Aug 2020 23:29

Instrument :

BNA_M

ClientSampleId :

F4L06

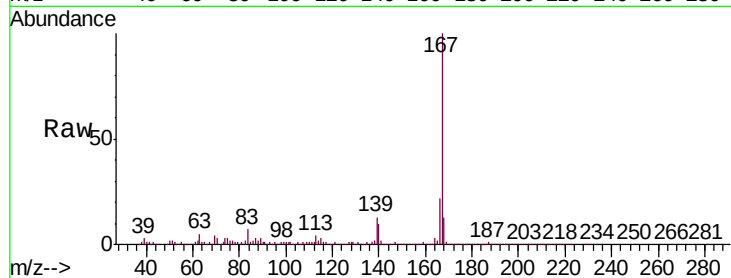
Tgt Ion:167 Resp: 523650

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

139 13.3 10.1 15.1



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

