

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
 Data File : BM024956.D
 Acq On : 19 Feb 2020 22:29
 Operator : CG/JU
 Sample : L1486-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 19 23:17:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 19 03:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	337940	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	1141155	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.03	164	770732	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	1645796	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	1744562	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	1835356	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.04	96	41416	5.89	ng/uL	0.00
5) Phenol-d5	6.59	99	164789	7.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	476203	37.56	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	537375	26.72	ng/ul	-0.01
13) 4-Methylphenol-d8	8.10	113	311467	16.44	ng/ul	-0.01
19) Nitrobenzene-d5	8.53	128	339902	41.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	368259	37.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	650567	33.08	ng/ul	0.01
29) 4-Chloroaniline-d4	10.35	131	77805	4.23	ng/ul	0.06
44) Dimethylphthalate-d6	13.46	166	2077488	35.71	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	2574528	37.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	55646	5.89	ng/ul	0.00
58) Fluorene-d10	15.04	176	1904531	36.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	315370	29.40	ng/ul	0.00
71) Anthracene-d10	16.89	188	2951635	39.29	ng/ul	0.00
79) Pyrene-d10	19.20	212	3345494	38.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	3673065	39.85	ng/ul	-0.01

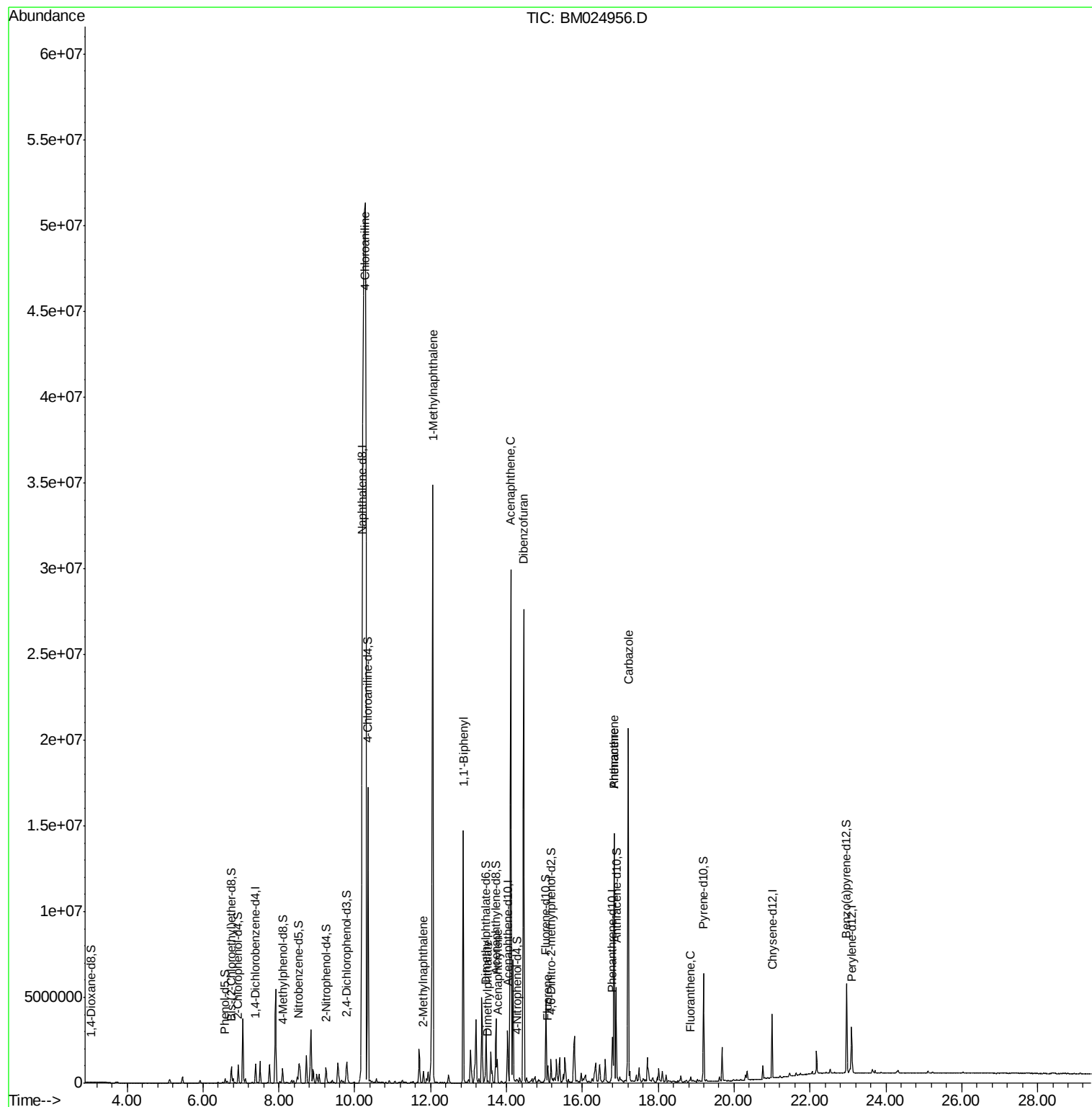
Target Compounds				Ovalue		
30) 4-Chloroaniline	10.26	127	17590276	957.864	ng/ul#	9
34) 2-Methylnaphthalene	11.81	142	293812	6.841	ng/ul	100
35) 1-Methylnaphthalene	12.05	142	17594321	410.761	ng/ul#	92
41) 1,1'-Biphenyl	12.86	154	7947044	139.674	ng/ul#	97
45) Dimethylphthalate	13.51	163	93351	1.538	ng/ul#	98
48) Acenaphthylene	13.75	152	241745	3.435	ng/ul#	79
50) Acenaphthene	14.11	153	12966650	272.825	ng/ul	98
54) Dibenzofuran	14.44	168	16251206	229.386	ng/ul#	83
59) Fluorene	15.09	166	382724	6.555	ng/ul#	89
70) Phenanthrene	16.84	178	8937241	99.594	ng/ul	99
72) Anthracene	16.84	178	8937241	98.202	ng/ul	98
75) Carbazole	17.21	167	13498345	178.034	ng/ul#	92
77) Fluoranthene	18.86	202	145312	1.319	ng/ul#	93

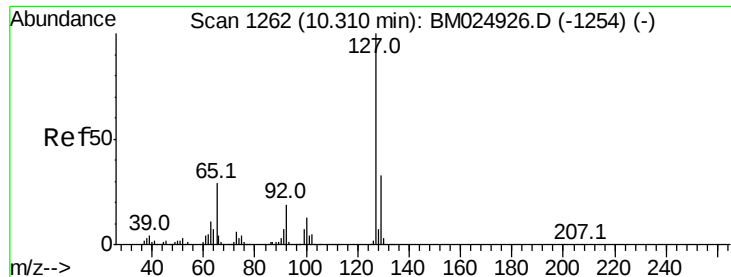
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 03:36:08 2020
Response via : Initial Calibration





#30

4-Chloroaniline

Concen: 957.864 ng/ul

RT: 10.26 min Scan# 1254

Delta R.T. -0.05 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

BNA_M

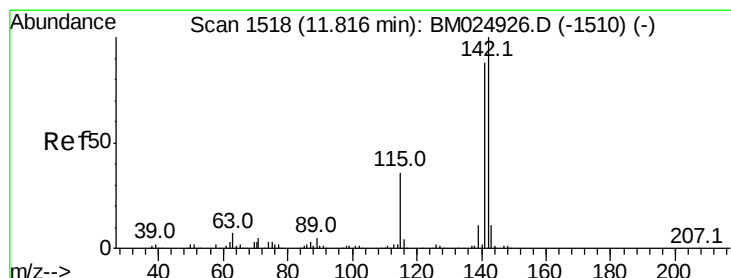
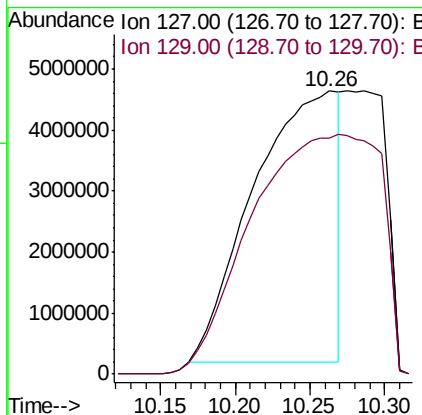
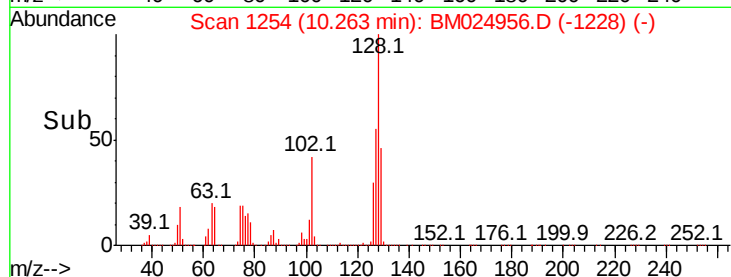
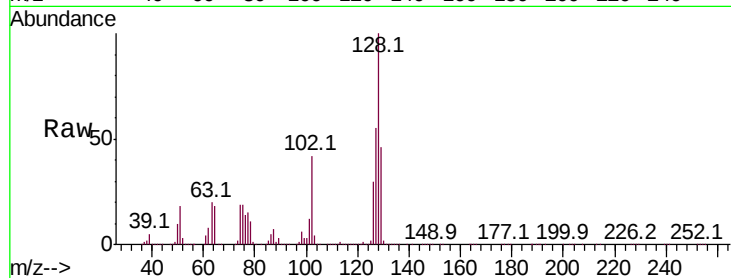
ClientSampleId :

Tot Ion:127 Resp:17590276

Ion Ratio Lower Upper

127 100

129 83.4 25.8 38.8#



#34

2-Methylnaphthalene

Concen: 6.841 ng/ul

RT: 11.81 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BM024956.D

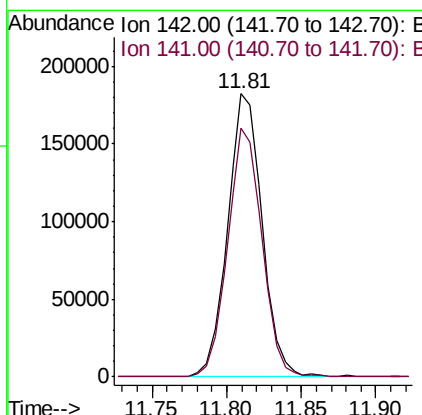
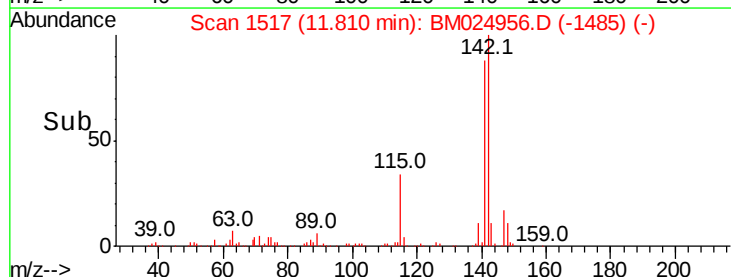
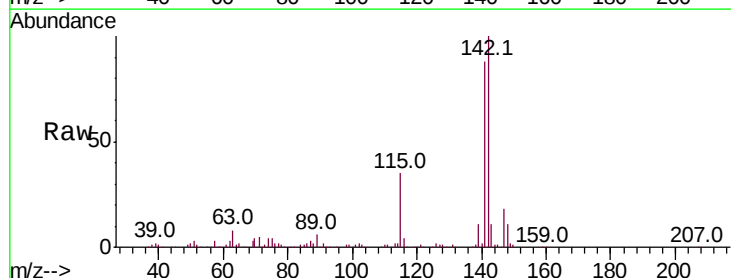
Acq: 19 Feb 2020 22:29

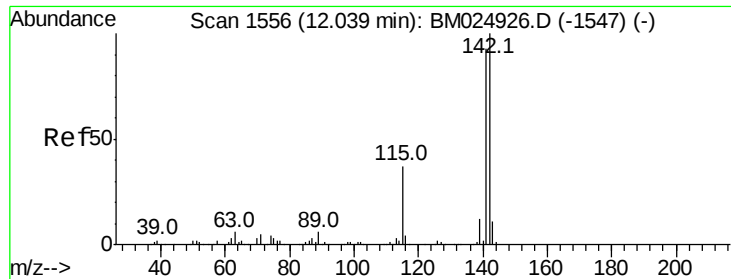
Tgt Ion:142 Resp: 293812

Ion Ratio Lower Upper

142 100

141 87.8 70.5 105.7

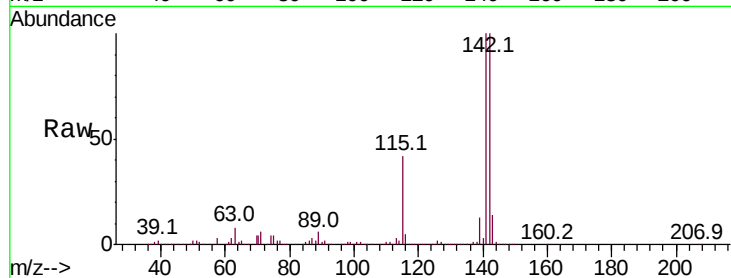




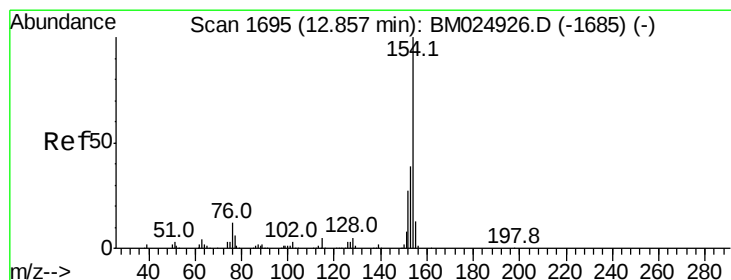
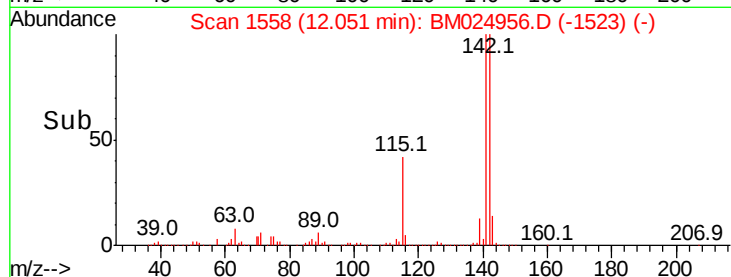
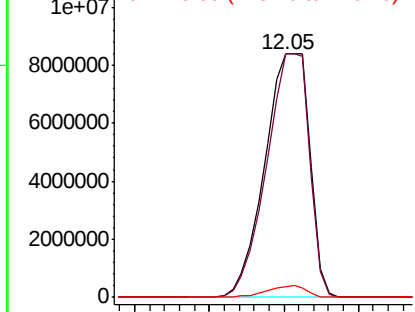
#35
 1-Methylnaphthalene
 Concen: 410.761 ng/ul
 RT: 12.05 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BM024956.D
 Acq: 19 Feb 2020 22:29

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:142 Resp:17594321
 Ion Ratio Lower Upper
 142 100
 141 100.0 74.1 111.1
 116 4.6 3.0 4.4#

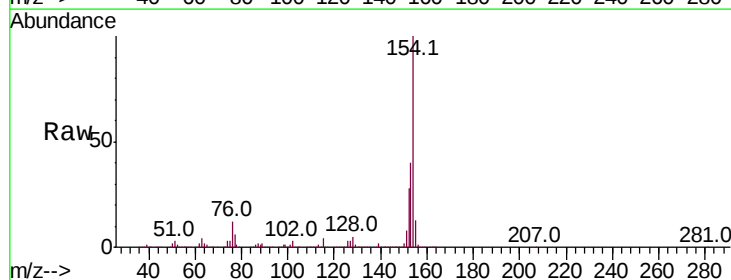


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

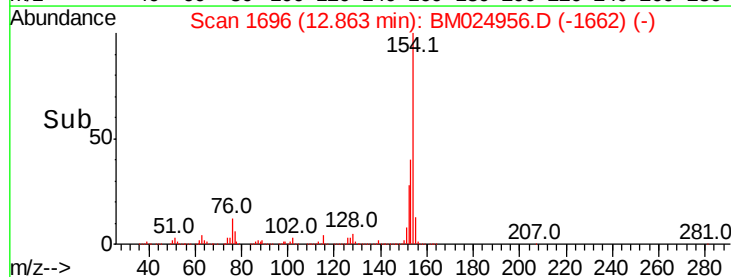
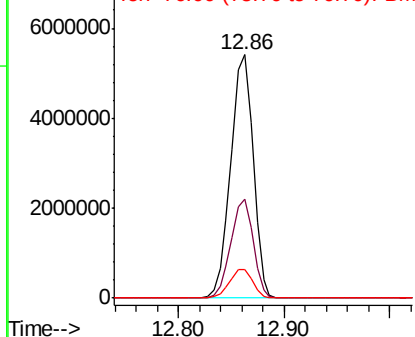


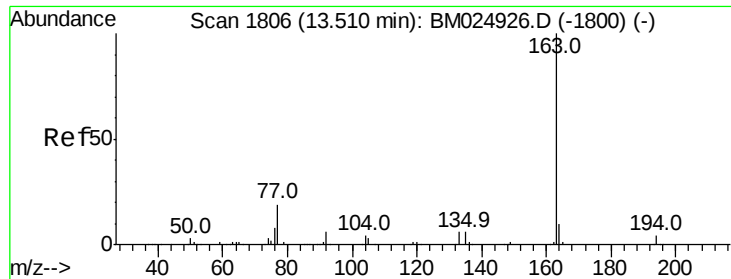
#41
 1,1'-Biphenyl
 Concen: 139.674 ng/ul
 RT: 12.86 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: BM024956.D
 Acq: 19 Feb 2020 22:29

Tgt Ion:154 Resp: 7947044
 Ion Ratio Lower Upper
 154 100
 153 40.4 31.4 47.2
 76 11.6 7.5 11.3#



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

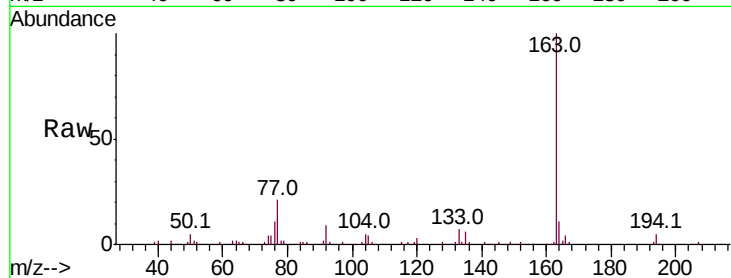




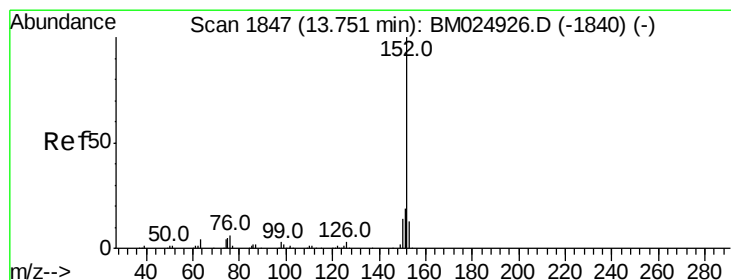
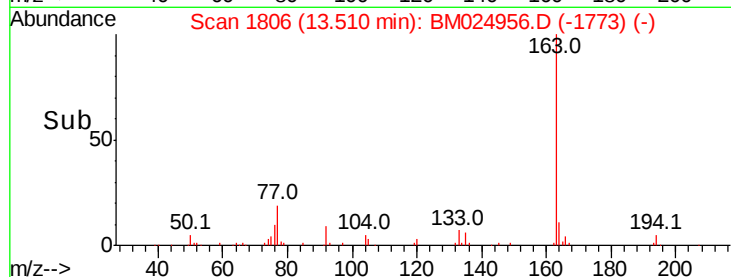
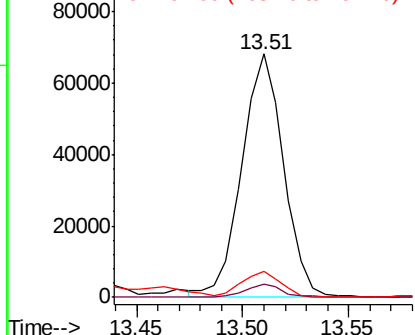
#45
Dimethylphthalate
Concen: 1.538 ng/ul
RT: 13.51 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BM024956.D
Acq: 19 Feb 2020 22:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 93351
Ion Ratio Lower Upper
163 100
194 5.5 3.5 5.3#
164 10.6 8.2 12.2

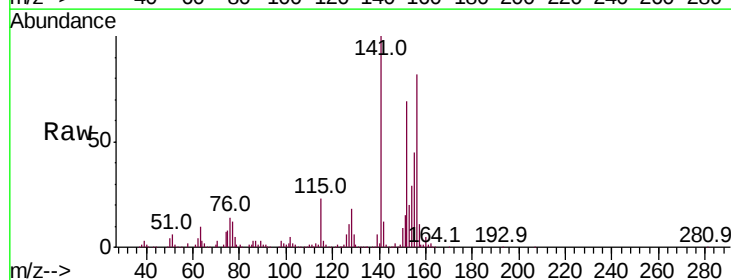


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

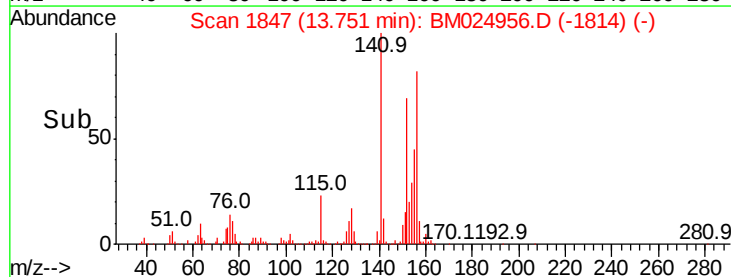
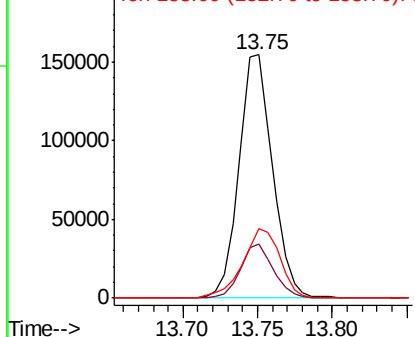


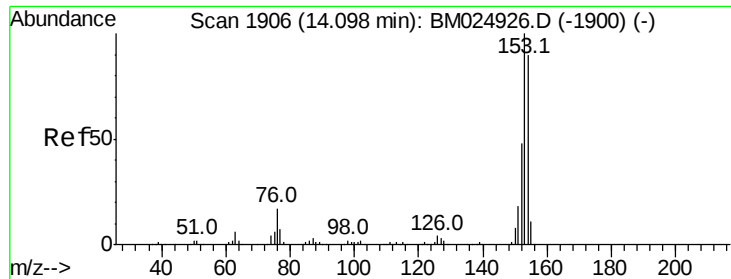
#48
Acenaphthylene
Concen: 3.435 ng/ul
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM024956.D
Acq: 19 Feb 2020 22:29

Tgt Ion:152 Resp: 241745
Ion Ratio Lower Upper
152 100
151 22.1 15.1 22.7
153 28.8 10.1 15.1#



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: 272.825 ng/ul

RT: 14.11 min Scan# 1908

Delta R.T. 0.01 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

BNA_M

ClientSampleId :

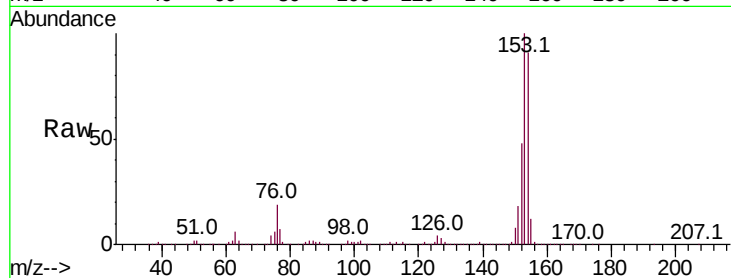
Tot Ion:153 Resp:12966650

Ion Ratio Lower Upper

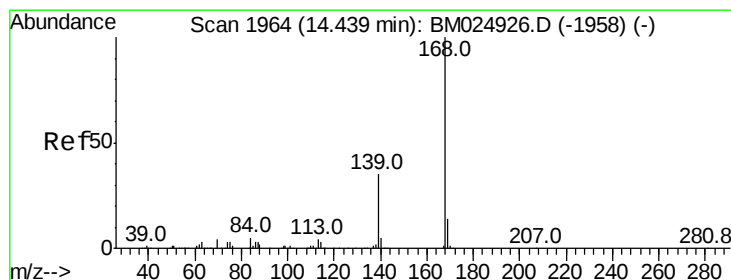
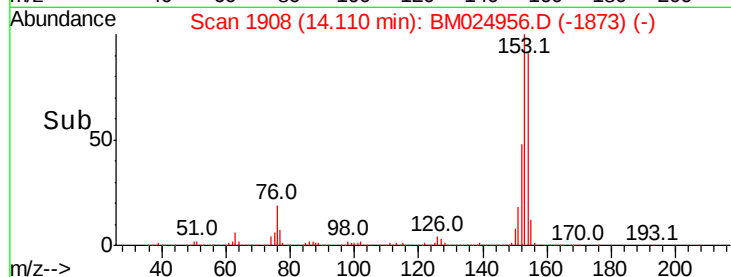
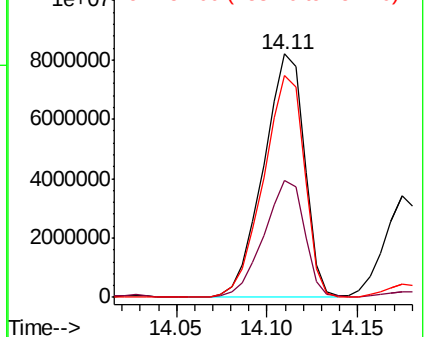
153 100

152 48.0 37.3 55.9

154 91.3 74.1 111.1



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: 229.386 ng/ul

RT: 14.44 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BM024956.D

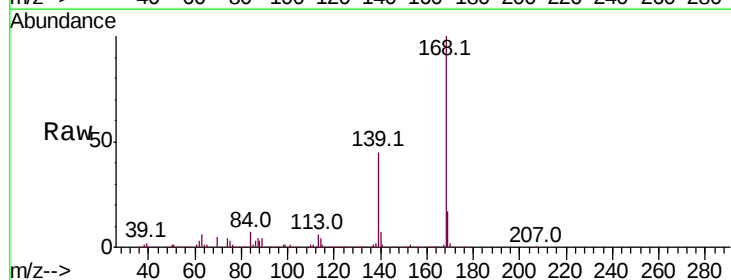
Acq: 19 Feb 2020 22:29

Tgt Ion:168 Resp:16251206

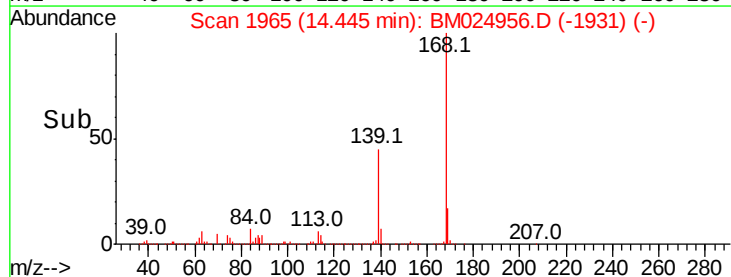
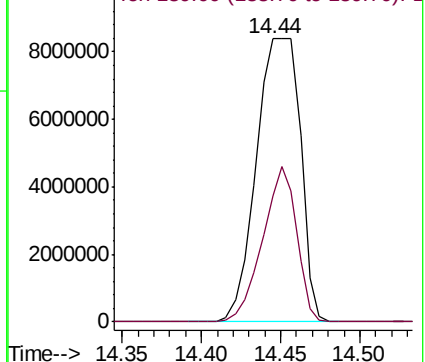
Ion Ratio Lower Upper

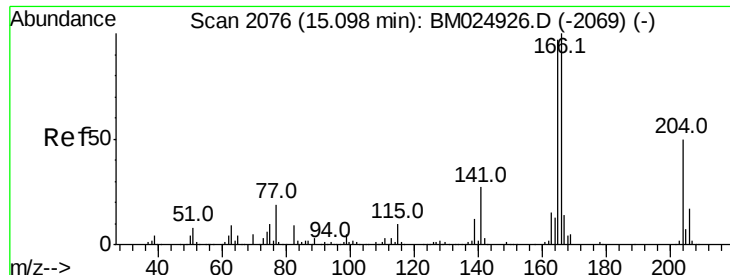
168 100

139 44.7 27.8 41.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 6.555 ng/ul

RT: 15.09 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

BNA_M

ClientSampleId :

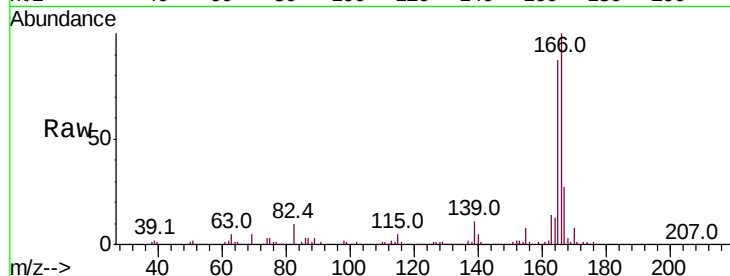
Tot Ion:166 Resp: 382724

Ion Ratio Lower Upper

166 100

165 87.5 75.8 113.8

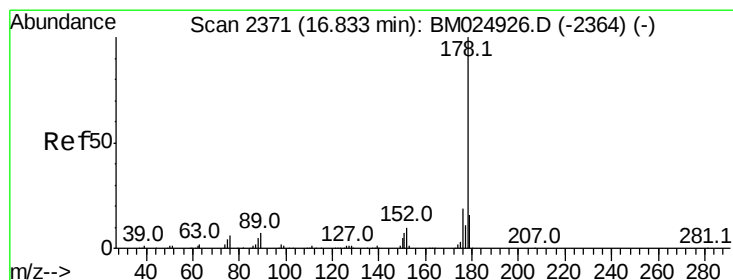
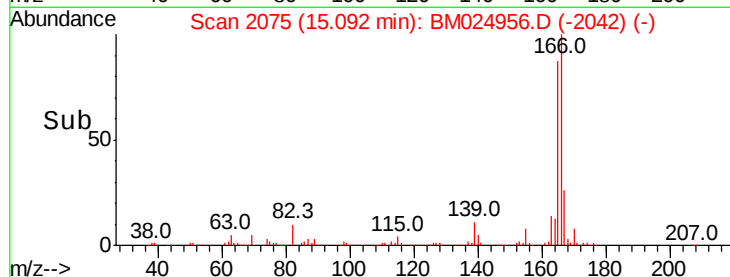
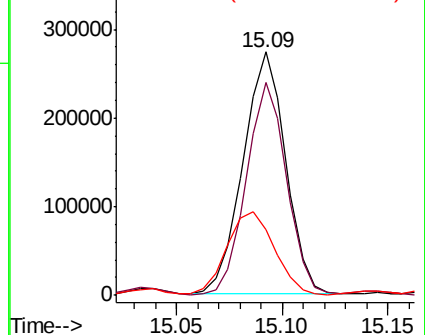
167 27.0 10.6 16.0#



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: 99.594 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

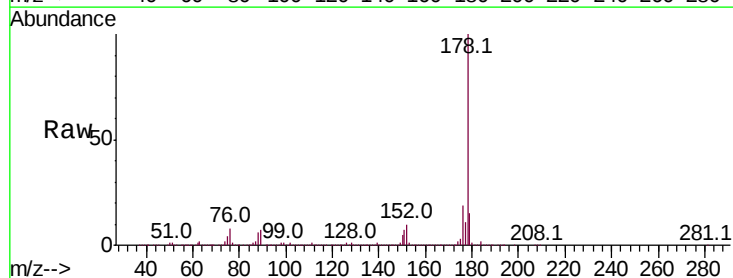
Tgt Ion:178 Resp: 8937241

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

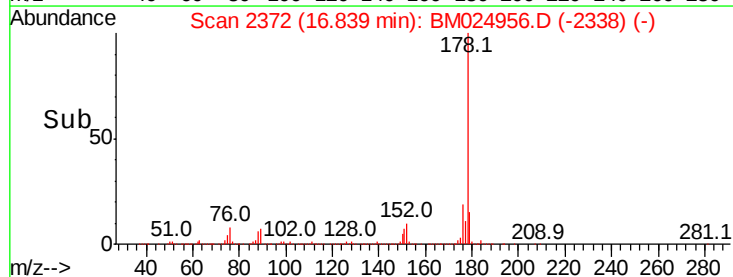
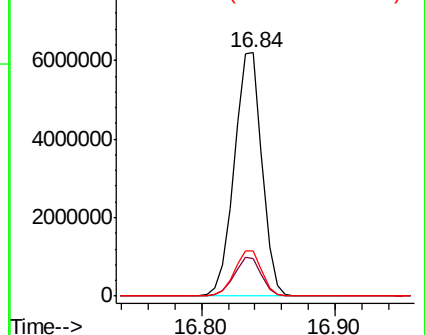
176 18.8 14.5 21.7

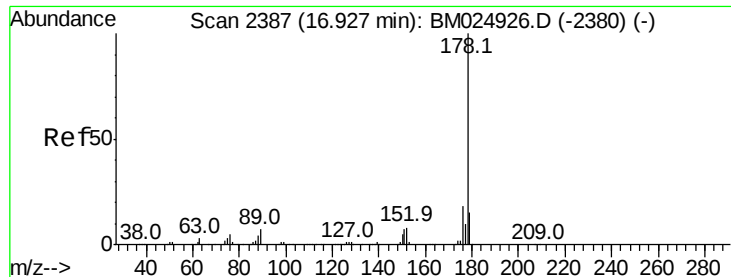


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 98.202 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. -0.09 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

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ClientSampleId :

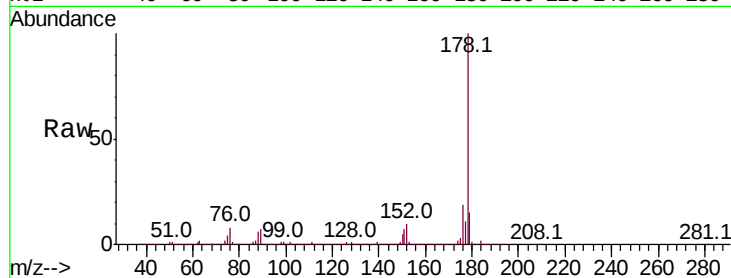
Tot Ion:178 Resp: 8937241

Ion Ratio Lower Upper

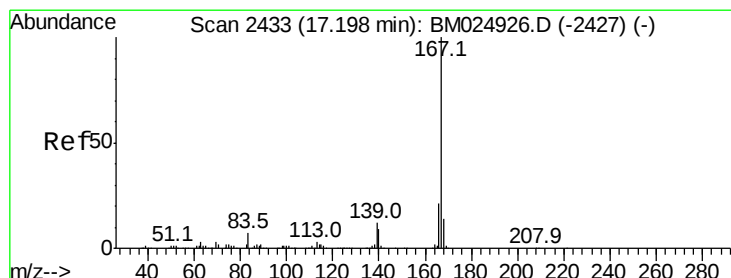
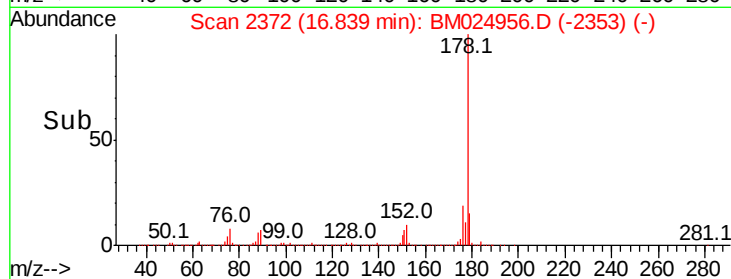
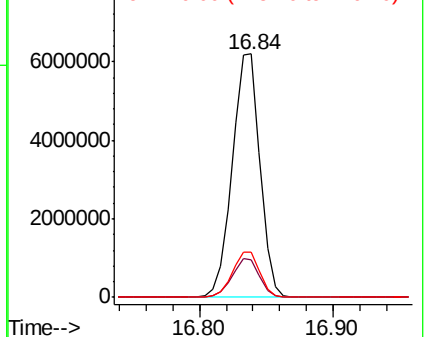
178 100

179 15.5 12.3 18.5

176 18.8 14.1 21.1



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



#75

Carbazole

Concen: 178.034 ng/ul

RT: 17.21 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

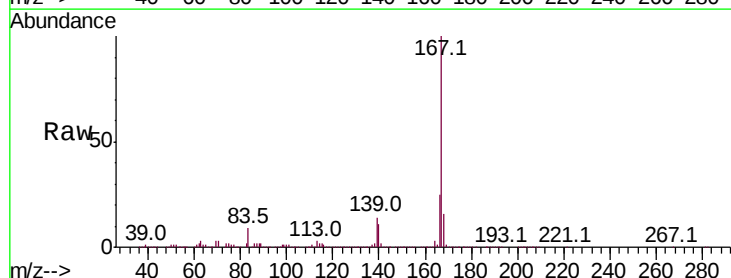
Tgt Ion:167 Resp:13498345

Ion Ratio Lower Upper

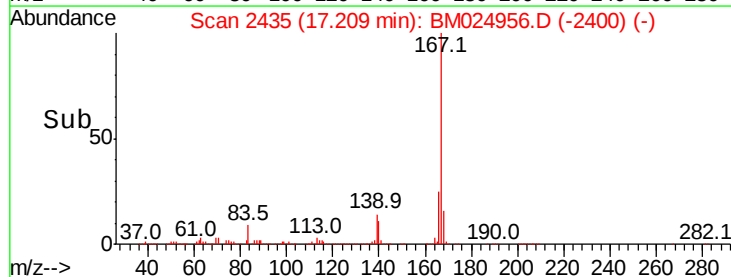
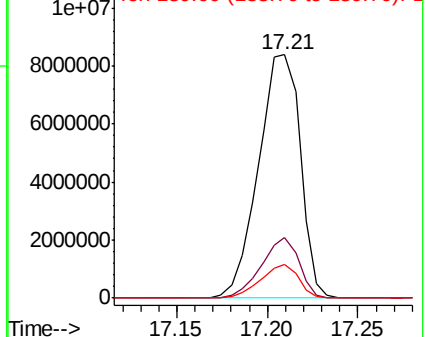
167 100

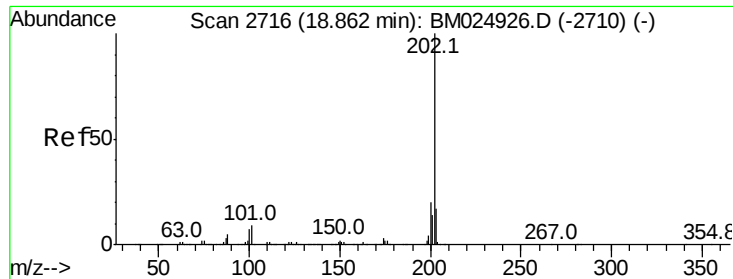
166 25.1 16.6 24.8#

139 13.9 9.3 13.9



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





#77
 Fluoranthene
 Concen: 1.319 ng/ul
 RT: 18.86 min Scan# 2715
 Delta R.T. -0.01 min
 Lab File: BM024956.D
 Acq: 19 Feb 2020 22:29

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	6.1	9.1#
100	7.6	4.8	7.2#

