

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
 Data File : BM024954.D
 Acq On : 19 Feb 2020 21:17
 Operator : CG/JU
 Sample : L1486-20
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 19 23:17:43 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	297026	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	1078702	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.03	164	653850	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	1424537	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	1560213	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	1652685	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	41427	6.71	ng/uL	0.00
5) Phenol-d5	6.59	99	132403	6.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.74	67	390251	35.02	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.93	132	441681	24.98	ng/ul	-0.01
13) 4-Methylphenol-d8	8.10	113	251352	15.10	ng/ul	-0.01
19) Nitrobenzene-d5	8.52	128	258901	33.19	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.23	143	293779	31.87	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.77	165	504451	27.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	31572	1.82	ng/ul	0.00
44) Dimethylphthalate-d6	13.46	166	1669967	33.84	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	1976203	34.29	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.27	143	35077	4.37	ng/ul	0.00
58) Fluorene-d10	15.04	176	1505960	34.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	243767	26.25	ng/ul	0.00
71) Anthracene-d10	16.79	188	1424537	21.91	ng/ul	-0.11
79) Pyrene-d10	19.20	212	2769405	35.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	3093064	37.26	ng/ul	-0.01

Target Compounds

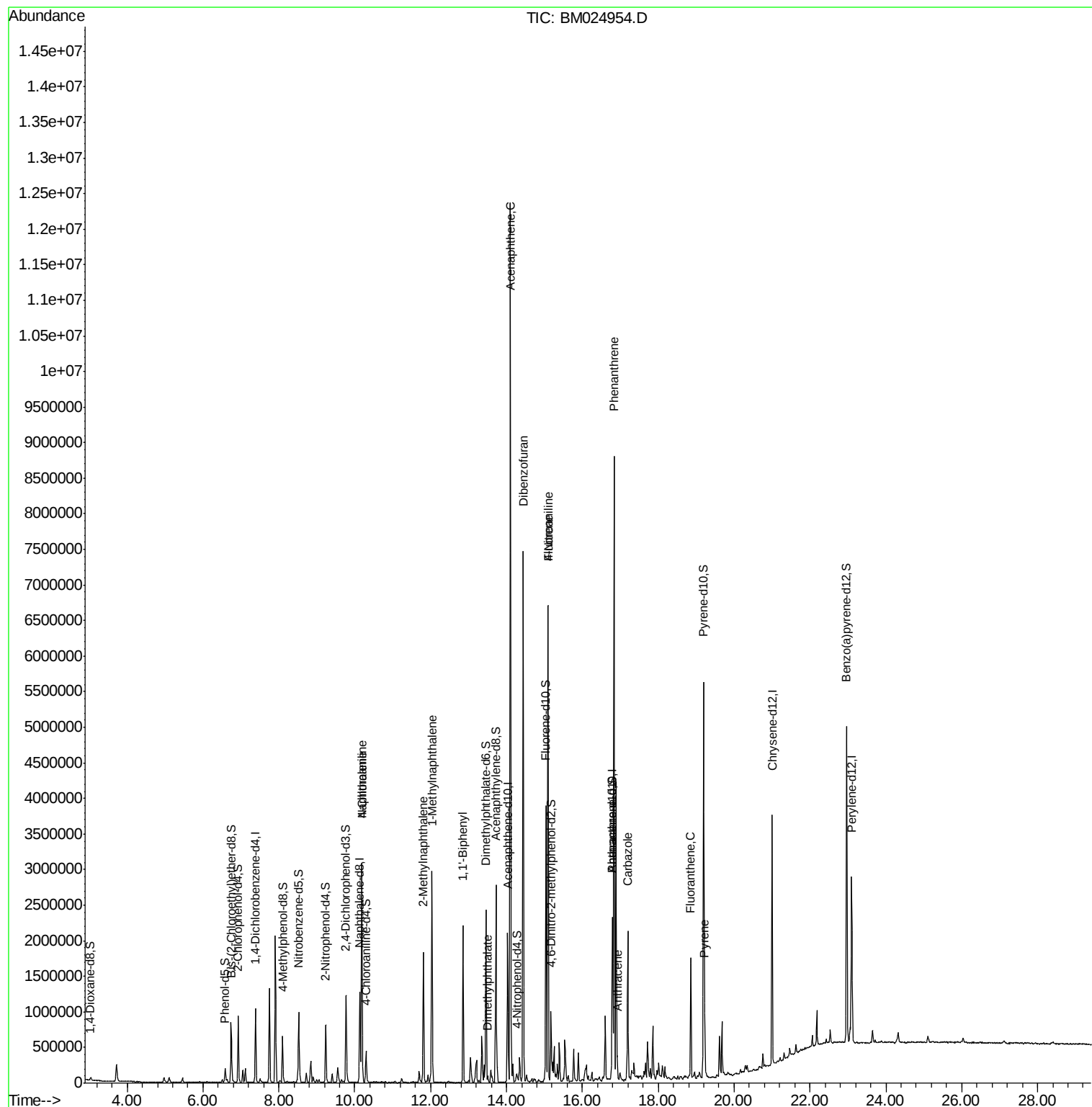
					Ovalue
28) Naphthalene	10.19	128	2456442	44.569	ng/ul 99
30) 4-Chloroaniline	10.19	127	318896	18.371	ng/ul# 9
34) 2-Methylnaphthalene	11.81	142	878438	21.637	ng/ul 100
35) 1-Methylnaphthalene	12.03	142	1401470	34.613	ng/ul 98
41) 1,1'-Biphenyl	12.86	154	1199956	24.860	ng/ul# 98
45) Dimethylphthalate	13.50	163	64174	1.246	ng/ul# 99
50) Acenaphthene	14.10	153	4952728	122.836	ng/ul 98
54) Dibenzofuran	14.44	168	4903844	81.591	ng/ul 100
59) Fluorene	15.10	166	3036249	61.296	ng/ul 99
61) 4-Nitroaniline	15.09	138	32212	3.317	ng/ul# 21
70) Phenanthrene	16.83	178	5183264	66.732	ng/ul 99
72) Anthracene	16.92	178	190411	2.417	ng/ul 99
75) Carbazole	17.20	167	1290399	19.663	ng/ul 99
77) Fluoranthene	18.86	202	1027092	10.772	ng/ul# 96
80) Pyrene	19.22	202	593673	5.748	ng/ul# 95

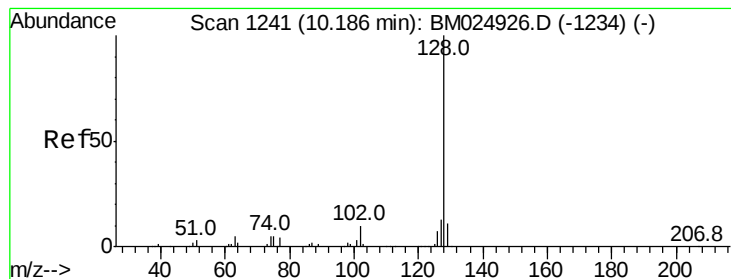
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 19 03:36:08 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 44.569 ng/ul

RT: 10.19 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Instrument :

BNA_M

ClientSampleId :

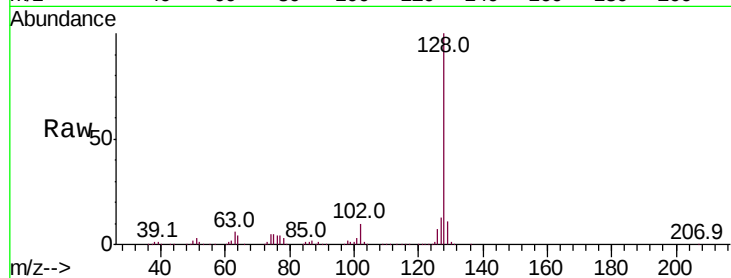
Tot Ion:128 Resp: 2456442

Ion Ratio Lower Upper

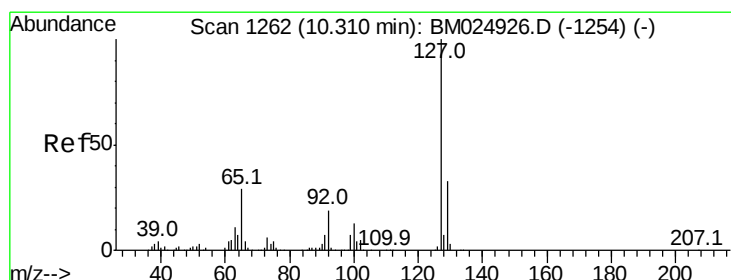
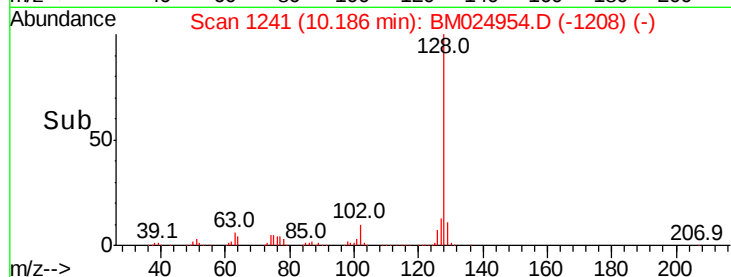
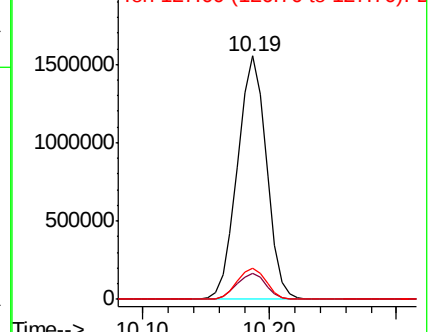
128 100

129 10.9 9.1 13.7

127 13.0 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: 18.371 ng/ul

RT: 10.19 min Scan# 1241

Delta R.T. -0.12 min

Lab File: BM024954.D

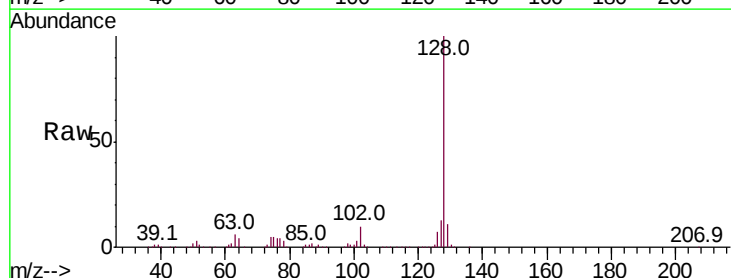
Acq: 19 Feb 2020 21:17

Tgt Ion:127 Resp: 318896

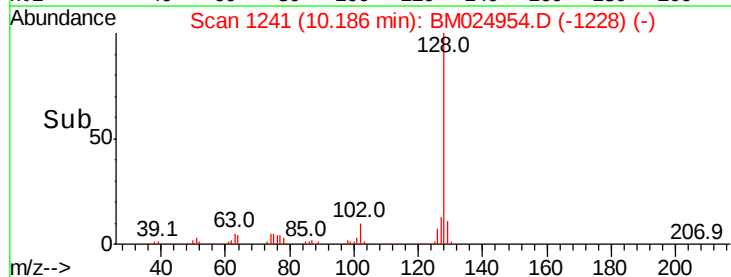
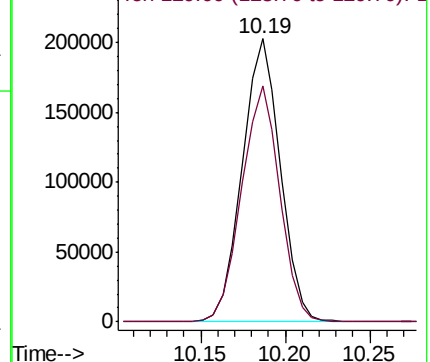
Ion Ratio Lower Upper

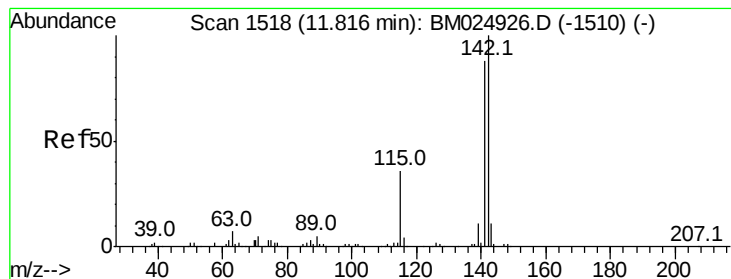
127 100

129 83.3 25.8 38.8#



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





#34

2-Methylnaphthalene

Concen: 21.637 ng/ul

RT: 11.81 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Instrument :

BNA_M

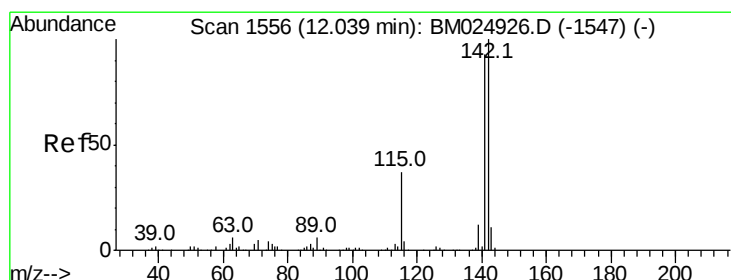
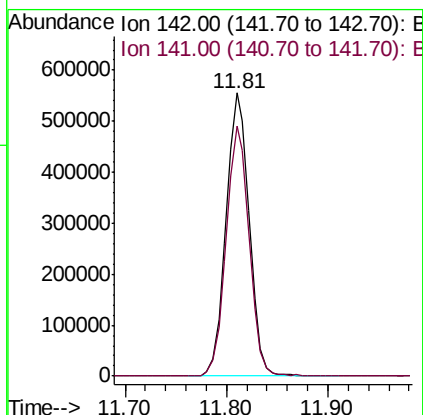
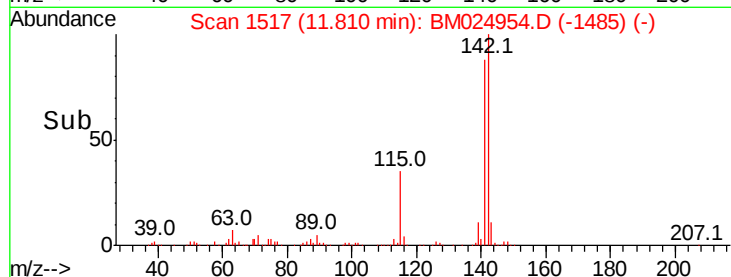
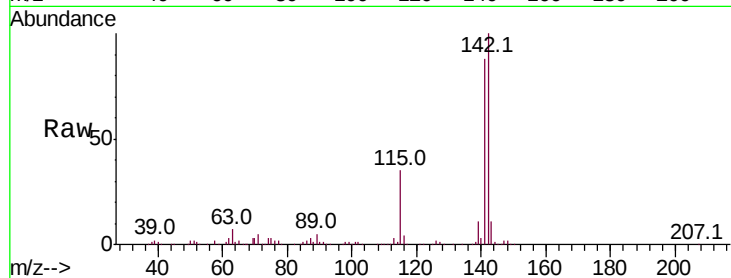
ClientSampleId :

Tot Ion:142 Resp: 878438

Ion Ratio Lower Upper

142 100

141 88.2 70.5 105.7



#35

1-Methylnaphthalene

Concen: 34.613 ng/ul

RT: 12.03 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

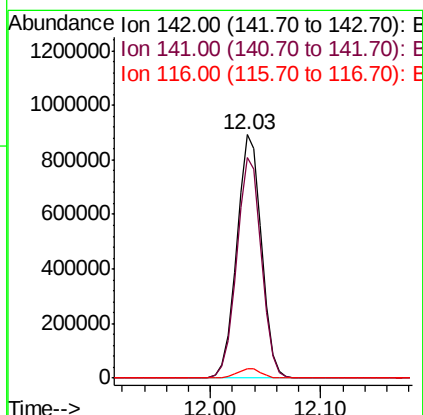
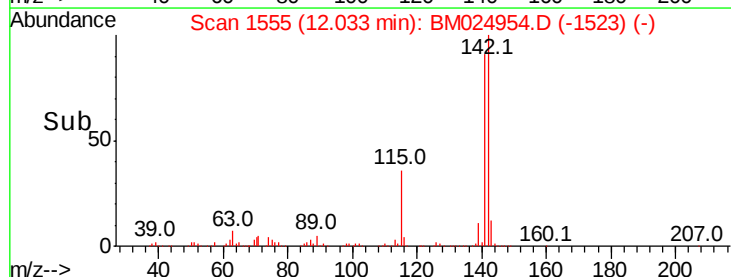
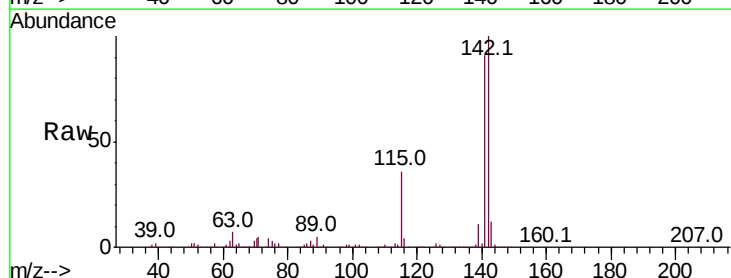
Tgt Ion:142 Resp: 1401470

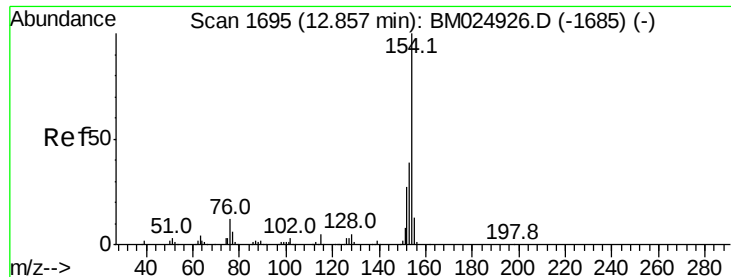
Ion Ratio Lower Upper

142 100

141 90.7 74.1 111.1

116 3.7 3.0 4.4





#41

1,1'-Biphenyl

Concen: 24.860 ng/ul

RT: 12.86 min Scan# 1695

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

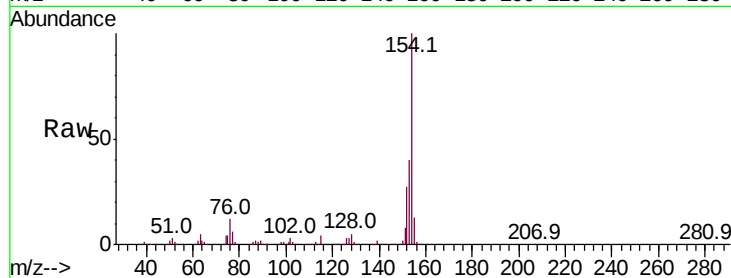
Instrument :

BNA_M

ClientSampleId :

Tot Ion:154 Resp: 1199956

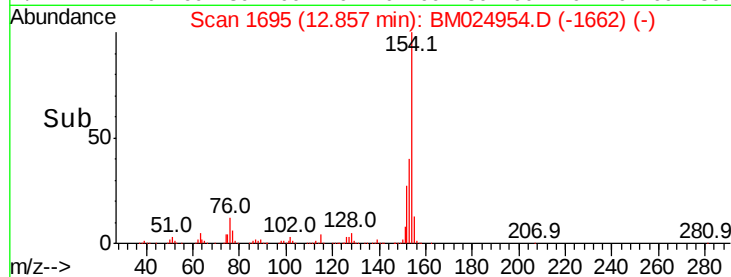
Ion	Ratio	Lower	Upper
154	100		
153	39.7	31.4	47.2
76	11.5	7.5	11.3#



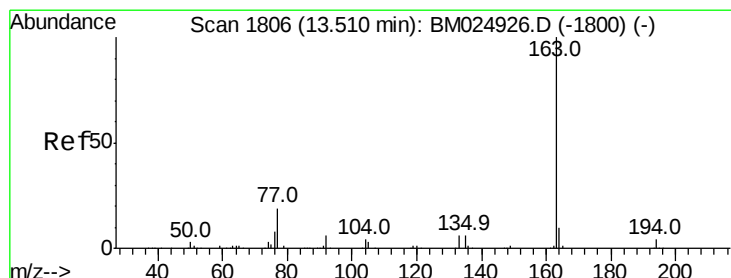
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BMO



Time-->



#45

Dimethylphthalate

Concen: 1.246 ng/ul

RT: 13.50 min Scan# 1805

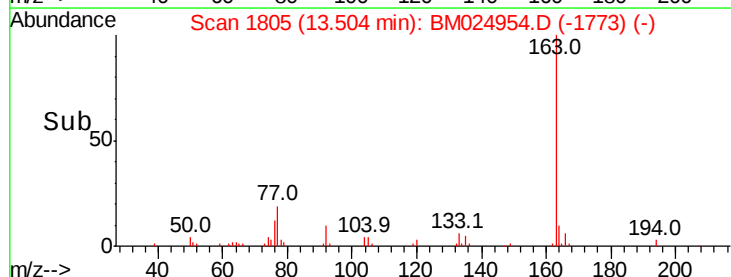
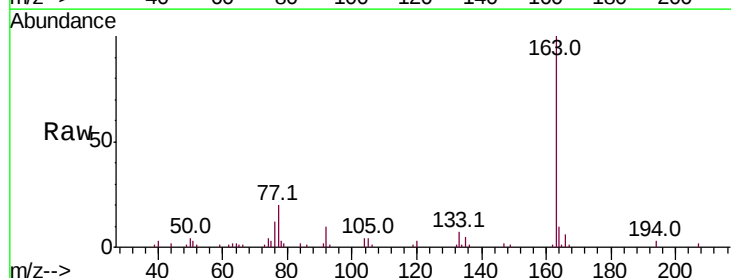
Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Tgt Ion:163 Resp: 64174

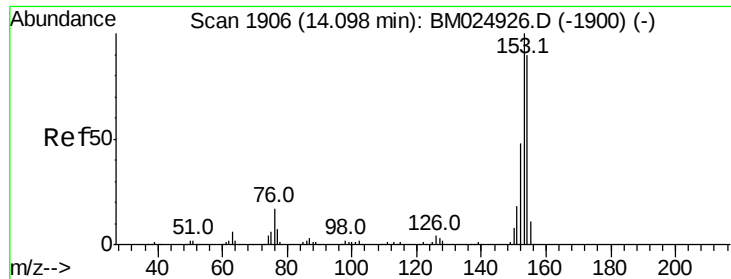
Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	10.4	8.2	12.2



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



#50

Acenaphthene

Concen: 122.836 ng/ul

RT: 14.10 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Instrument :

BNA_M

ClientSampleId :

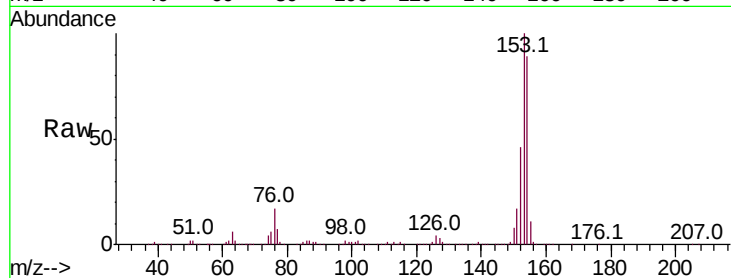
Tot Ion:153 Resp: 4952728

Ion Ratio Lower Upper

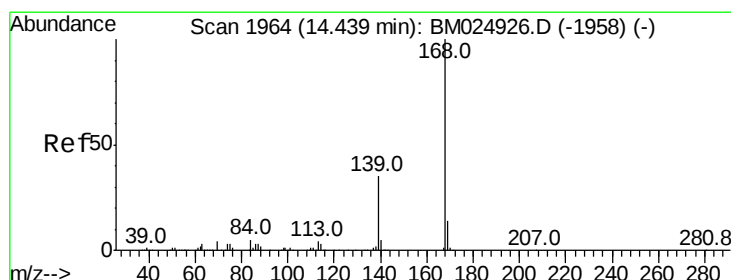
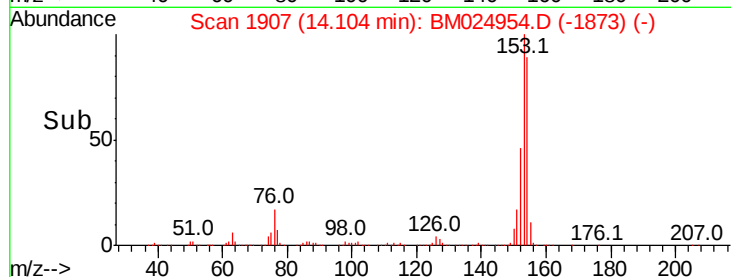
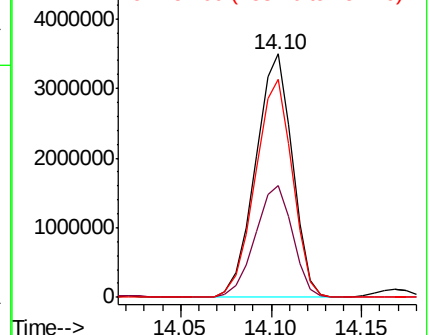
153 100

152 46.0 37.3 55.9

154 89.5 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: 81.591 ng/ul

RT: 14.44 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM024954.D

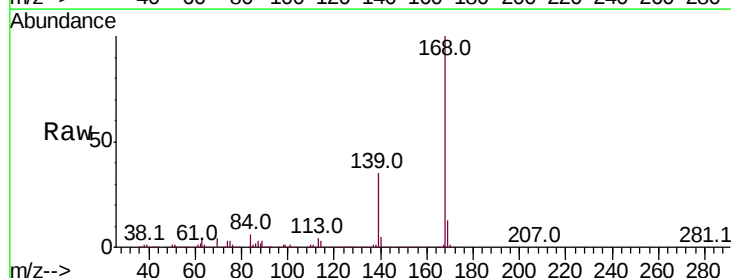
Acq: 19 Feb 2020 21:17

Tgt Ion:168 Resp: 4903844

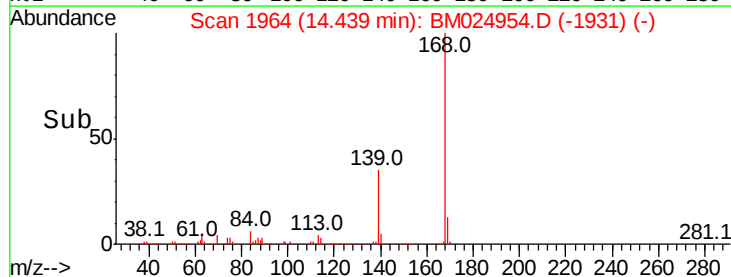
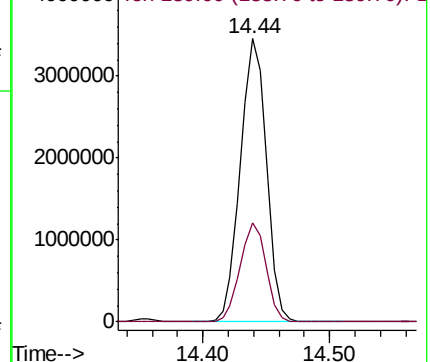
Ion Ratio Lower Upper

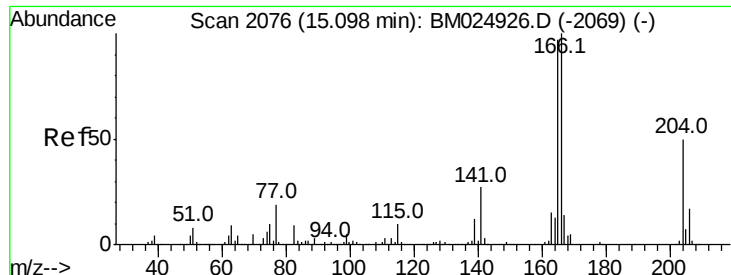
168 100

139 34.9 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: 61.296 ng/ul

RT: 15.10 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Instrument :

BNA_M

ClientSampled :

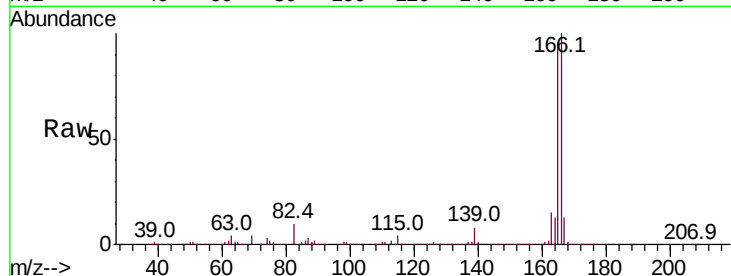
Tot Ion:166 Resp: 3036249

Ion Ratio Lower Upper

166 100

165 96.4 75.8 113.8

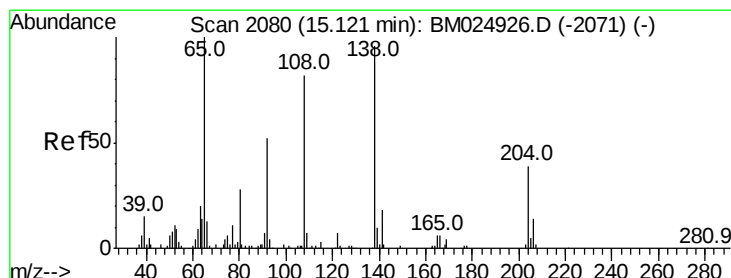
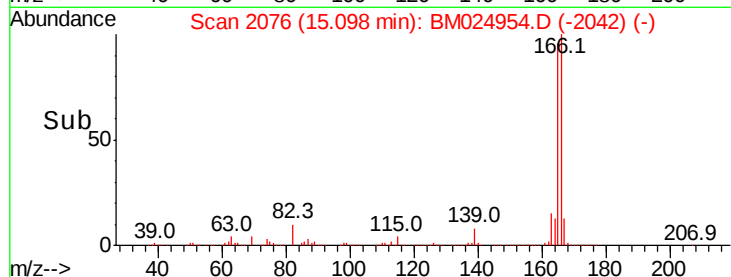
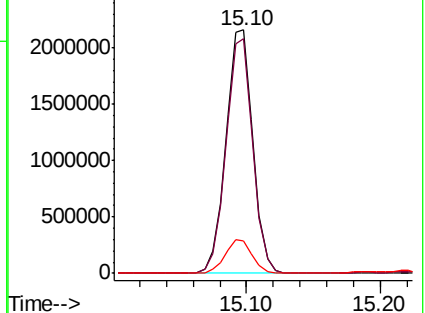
167 13.4 10.6 16.0



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



#61

4-Nitroaniline

Concen: 3.317 ng/ul

RT: 15.09 min Scan# 2075

Delta R.T. -0.04 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

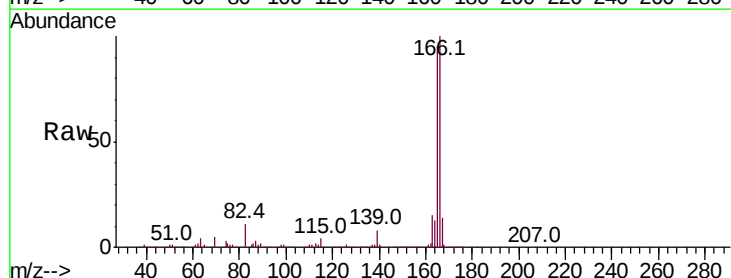
Tgt Ion:138 Resp: 32212

Ion Ratio Lower Upper

138 100

92 2.2 38.0 57.0#

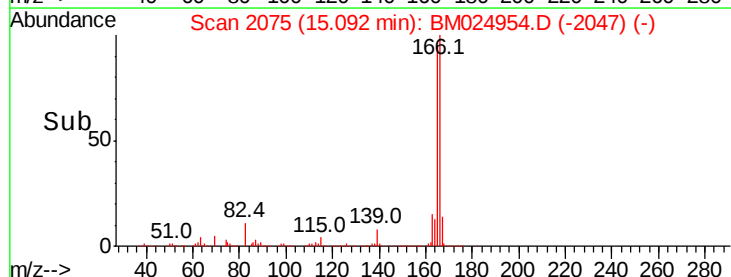
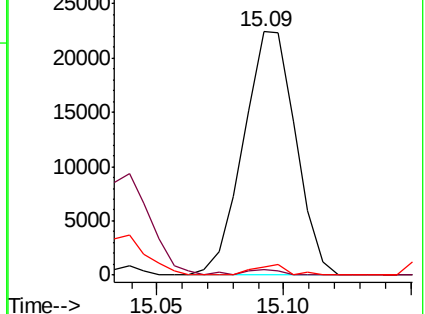
108 3.2 62.1 93.1#

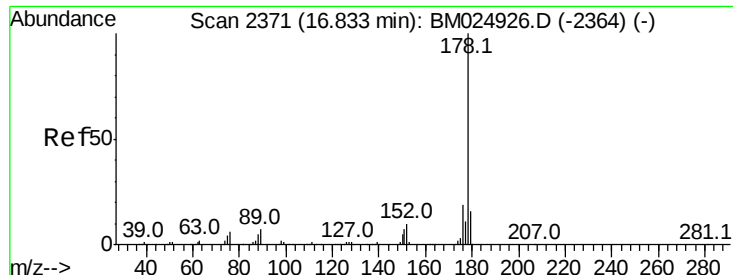


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

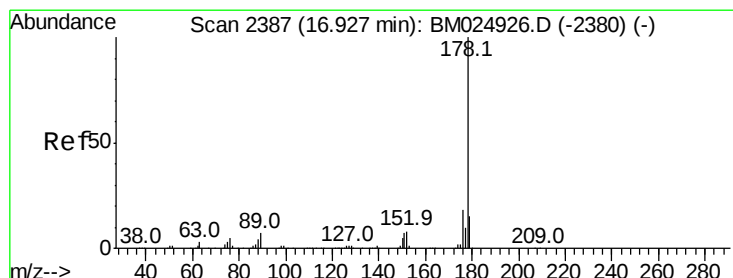
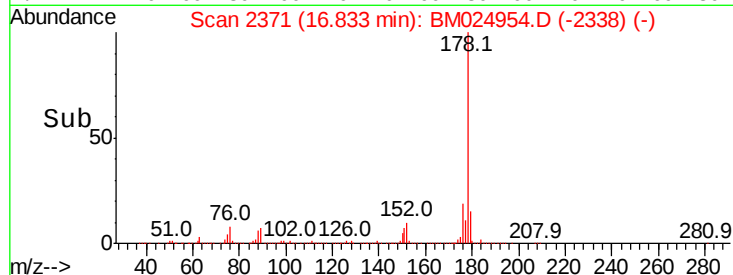
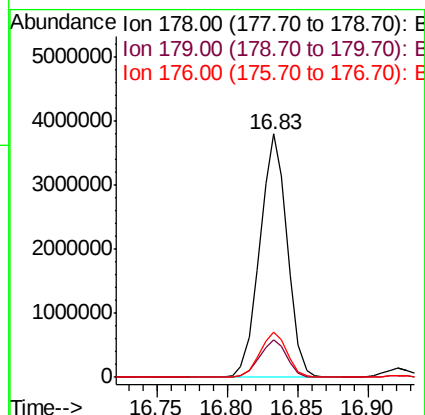
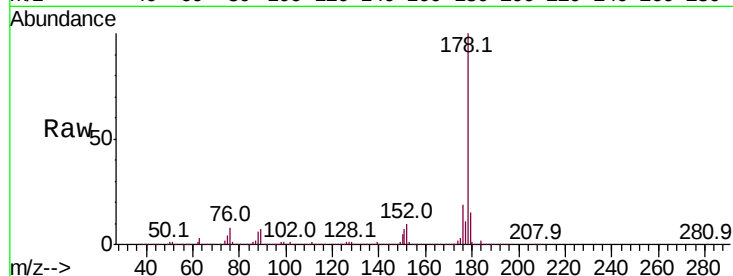




#70
Phenanthrene
Concen: 66.732 ng/ul
RT: 16.83 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BM024954.D
Acq: 19 Feb 2020 21:17

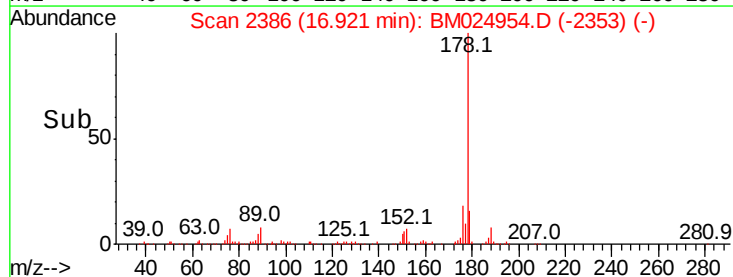
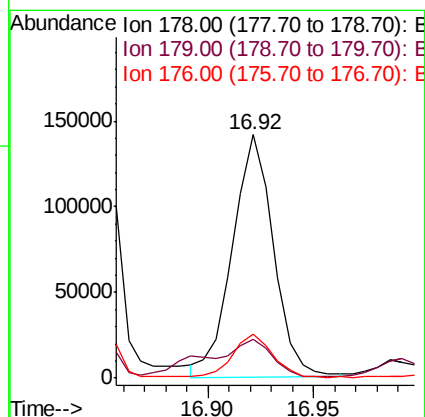
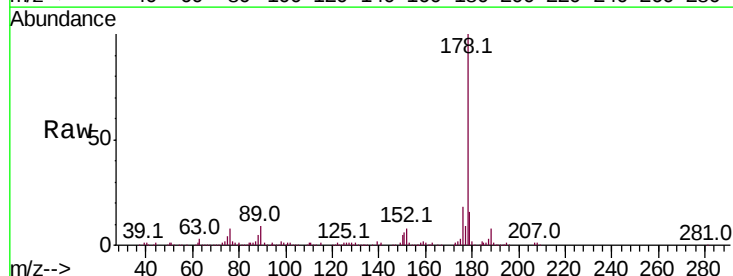
Instrument :
BNA_M
ClientSampleId :

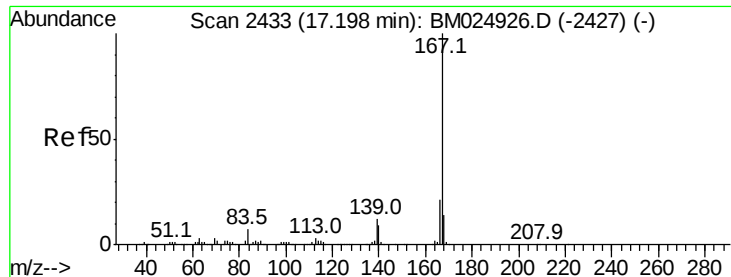
Tot Ion:178 Resp: 5183264
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 18.6 14.5 21.7



#72
Anthracene
Concen: 2.417 ng/ul
RT: 16.92 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BM024954.D
Acq: 19 Feb 2020 21:17

Tgt Ion:178 Resp: 190411
Ion Ratio Lower Upper
178 100
179 15.9 12.3 18.5
176 17.9 14.1 21.1





#75

Carbazole

Concen: 19.663 ng/ul

RT: 17.20 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Instrument :

BNA_M

ClientSampleId :

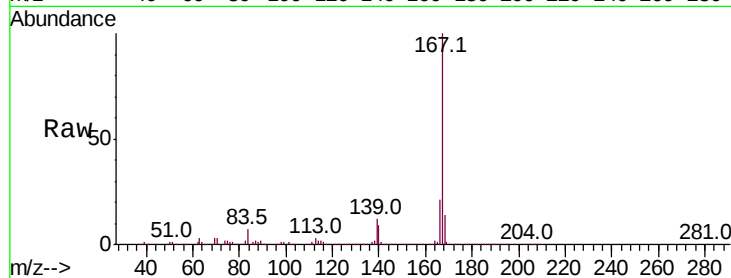
Tot Ion:167 Resp: 1290399

Ion Ratio Lower Upper

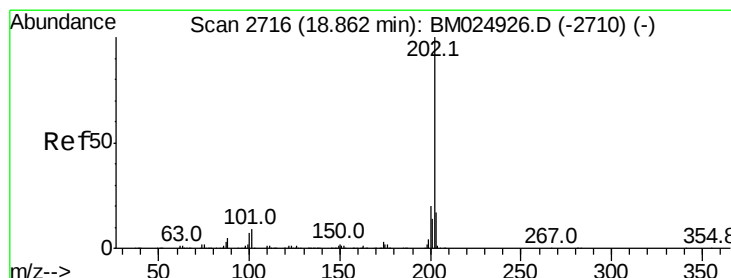
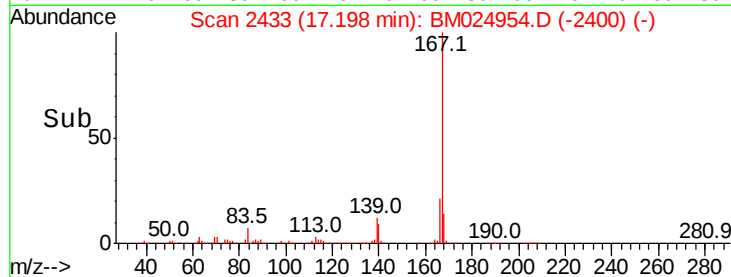
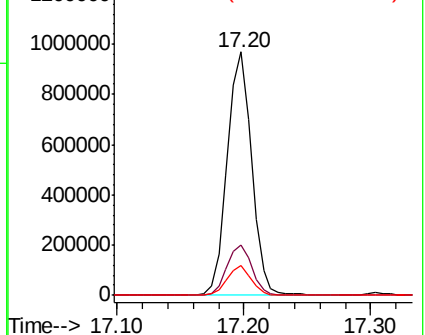
167 100

166 20.8 16.6 24.8

139 12.2 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: 10.772 ng/ul

RT: 18.86 min Scan# 2715

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

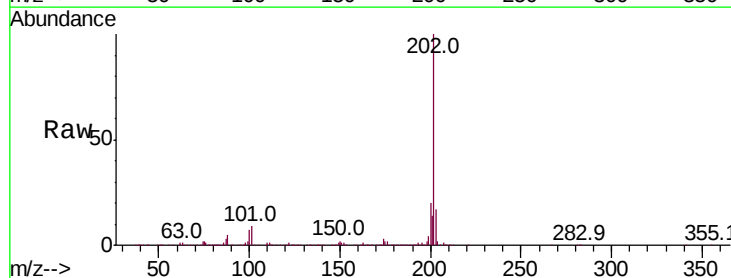
Tgt Ion:202 Resp: 1027092

Ion Ratio Lower Upper

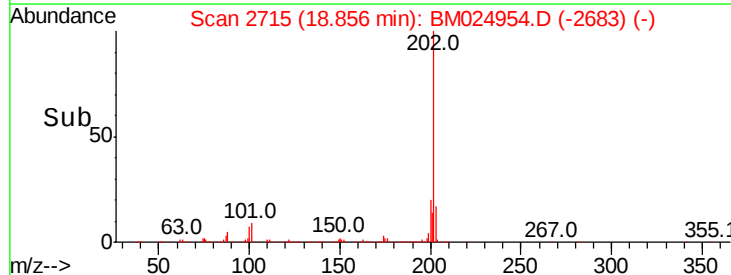
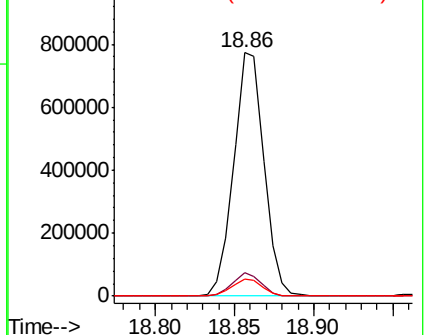
202 100

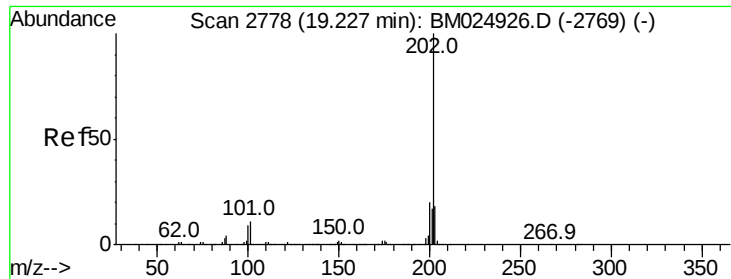
101 9.4 6.1 9.1#

100 7.0 4.8 7.2



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





#80

Pvrene

Concen: 5.748 ng/ul

RT: 19.22 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BM024954.D

Acq: 19 Feb 2020 21:17

Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 593673

Ion Ratio Lower Upper

202 100

101 10.8 7.0 10.4#

100 9.0 5.8 8.8#

