

Data File : BM024995.D
Acq On : 21 Feb 2020 20:10
Operator : CG/JU
Sample : L1582-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBDJ6

Quant Time: Feb 22 01:18:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 22 01:15:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	161048	20.00	ng/ul	0.00
18) Naphthalene-d8	10.11	136	655450	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.00	164	487428	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.75	188	1092120	20.00	ng/ul	0.00
78) Chrysene-d12	20.97	240	1189350	20.00	ng/ul	0.00
86) Perylene-d12	23.04	264	1413714	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.94	96	22570	6.74	ng/uL	0.00
5) Phenol-d5	6.54	99	80471	7.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.69	67	242869	40.19	ng/ul	0.00
9) 2-Chlorophenol-d4	6.88	132	265982	27.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	161644	17.91	ng/ul	0.00
19) Nitrobenzene-d5	8.48	128	171412	36.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.20	143	199336	35.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.74	165	351877	31.15	ng/ul	0.01
29) 4-Chloroaniline-d4	10.26	131	52300	4.95	ng/ul	0.02
44) Dimethylphthalate-d6	13.43	166	1246227	33.87	ng/ul	0.00
47) Acenaphthylene-d8	13.68	160	1535689	35.74	ng/ul	0.00
52) 4-Nitrophenol-d4	14.24	143	32563	5.45	ng/ul	0.00
58) Fluorene-d10	15.00	176	1191040	36.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.14	200	222344	31.23	ng/ul	0.00
71) Anthracene-d10	16.85	188	1934890	38.81	ng/ul	0.00
79) Pyrene-d10	19.16	212	2315323	38.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.92	264	2690490	37.89	ng/ul	0.00

Target Compounds

					Qvalue	
4) Benzaldehyde	6.51	77	17539	2.493	ng/ul#	1
14) Acetophenone	7.98	105	18755	1.318	ng/ul	89
20) Nitrobenzene	8.51	77	13482	1.198	ng/ul#	12
25) Bis(2-Chloroethoxy)methane	9.53	93	43033	3.362	ng/ul#	1
30) 4-Chloroaniline	10.20	127	14518571	1376.450	ng/ul#	10
34) 2-Methylnaphthalene	11.79	142	12678570	513.946	ng/ul	100
35) 1-Methylnaphthalene	12.00	142	7459606	303.206	ng/ul	99
41) 1,1'-Biphenyl	12.82	154	2889568	80.304	ng/ul#	98
45) Dimethylphthalate	13.47	163	66437	1.731	ng/ul	100
48) Acenaphthylene	13.71	152	151102	3.395	ng/ul#	85
50) Acenaphthene	14.07	153	11448182	380.878	ng/ul	98
54) Dibenzofuran	14.41	168	9725999	217.074	ng/ul	98
55) 2,4-Dinitrotoluene	14.37	165	11551	1.043	ng/ul#	45
59) Fluorene	15.06	166	7030538	190.394	ng/ul	98
70) Phenanthrene	16.80	178	12017282	201.810	ng/ul	97
72) Anthracene	16.89	178	366115	6.062	ng/ul	99
75) Carbazole	17.16	167	5139261	102.148	ng/ul	99
77) Fluoranthene	18.82	202	894107	12.231	ng/ul	97
80) Pyrene	19.19	202	471399	5.988	ng/ul#	95

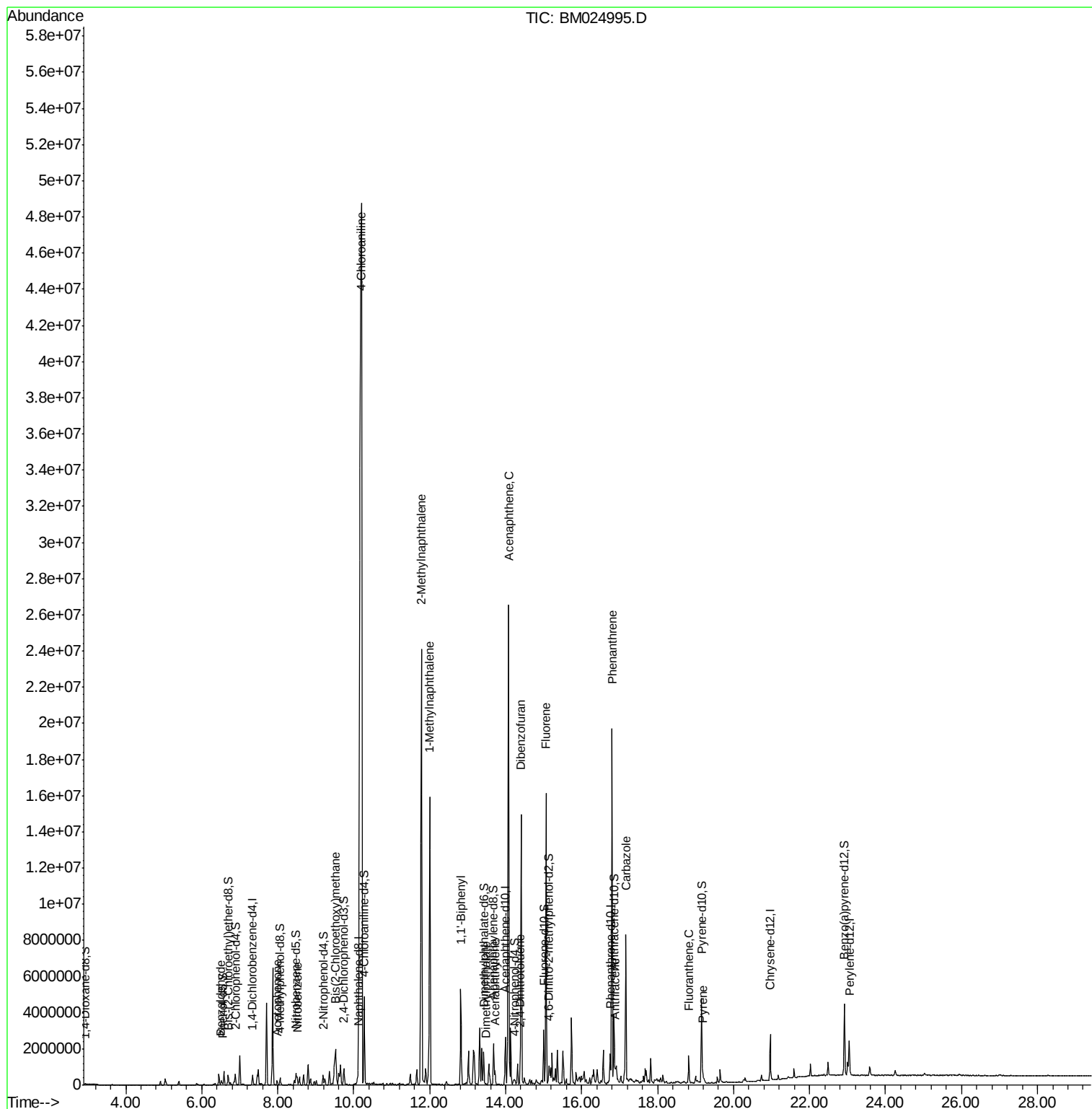
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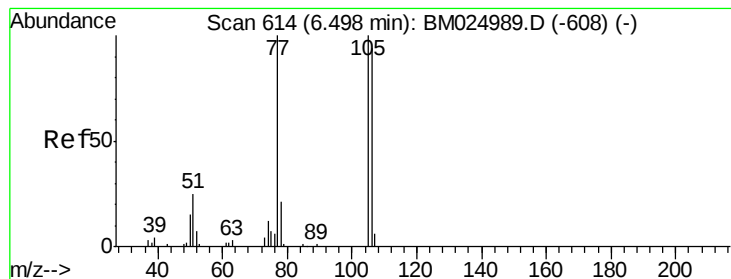
Data File : BM024995.D

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#4

Benzaldehyde

Concen: 2.493 ng/ul

RT: 6.51 min Scan# 616

Delta R.T. 0.01 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

Instrument :

BNA_M

ClientSampleId :

DBDJ6

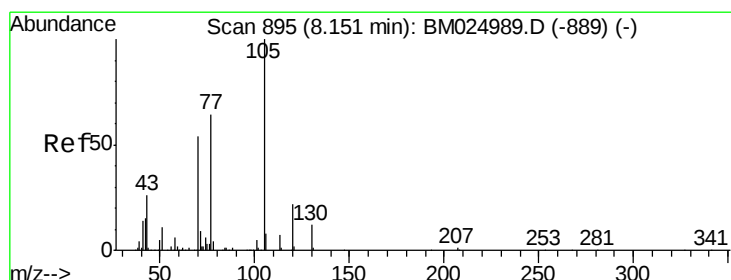
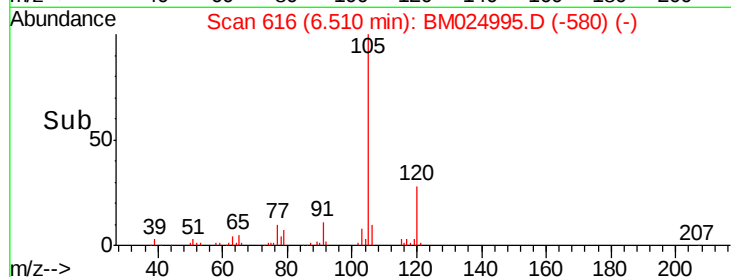
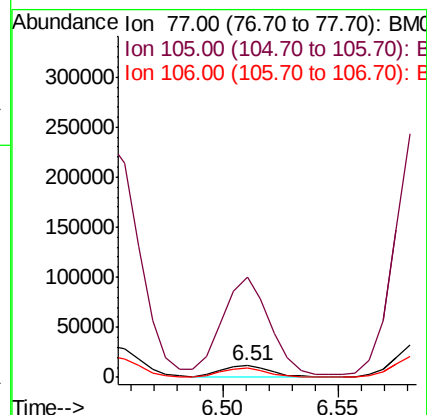
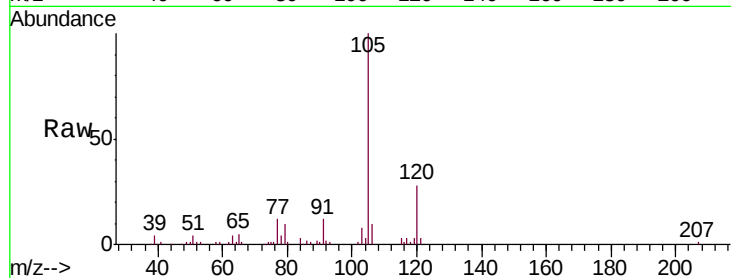
Tgt Ion: 77 Resp: 17539

Ion Ratio Lower Upper

77 100

105 859.0 76.2 114.2#

106 82.5 75.4 113.2



#14

Acetophenone

Concen: 1.318 ng/ul

RT: 7.98 min Scan# 866

Delta R.T. -0.17 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

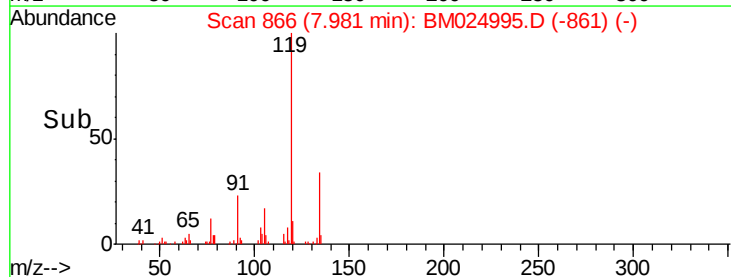
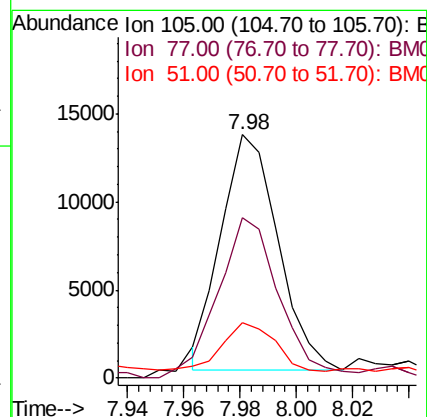
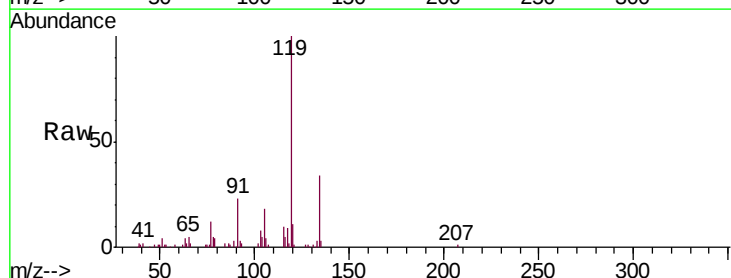
Tgt Ion: 105 Resp: 18755

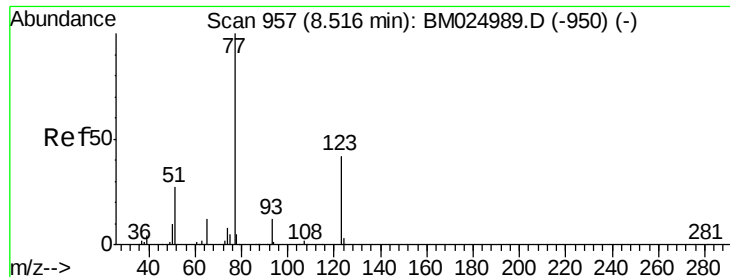
Ion Ratio Lower Upper

105 100

77 66.1 61.6 92.4

51 22.7 16.7 25.1

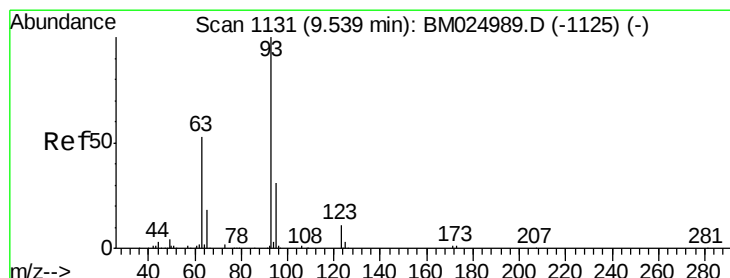
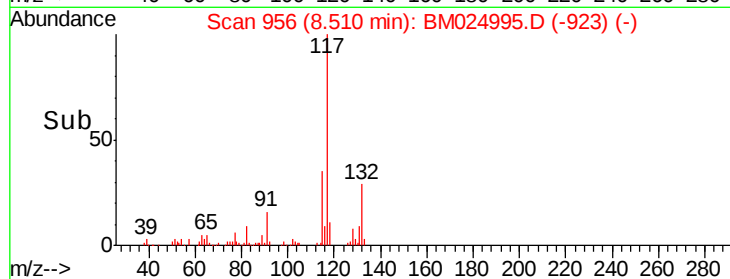
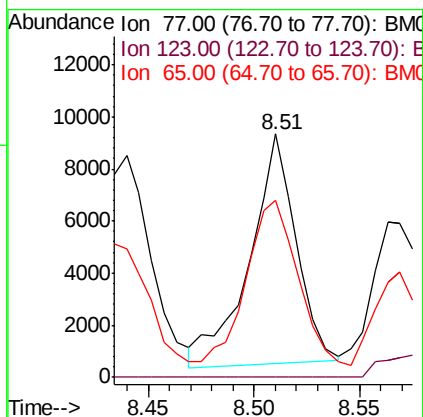
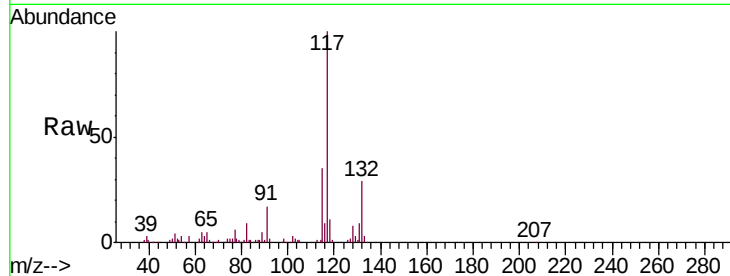




#20
Nitrobenzene
Concen: 1.198 ng/u1
RT: 8.51 min Scan# 956
Delta R.T. -0.01 min
Lab File: BM024995.D
Acq: 21 Feb 2020 20:10

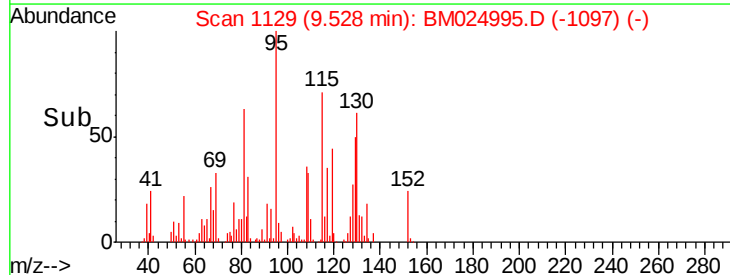
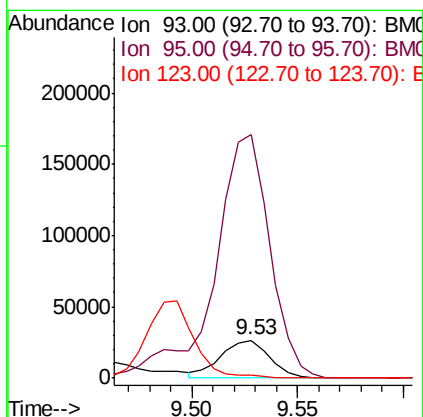
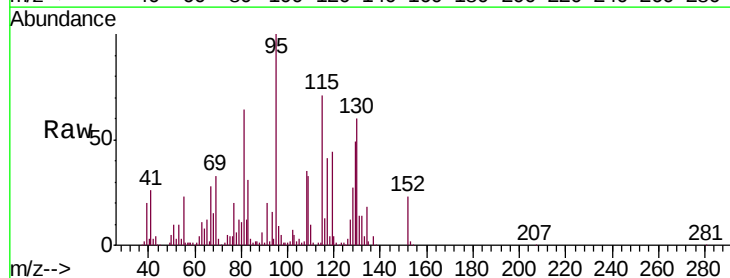
Instrument :
BNA_M
ClientSampleId :
DBDJ6

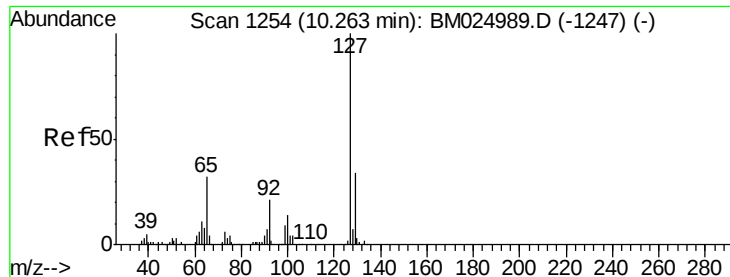
Tgt Ion: 77 Resp: 13482
Ion Ratio Lower Upper
77 100
123 0.0 38.8 58.2#
65 72.5 9.9 14.9#



#25
Bis(2-Chloroethoxy)methane
Concen: 3.362 ng/u1
RT: 9.53 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM024995.D
Acq: 21 Feb 2020 20:10

Tgt Ion: 93 Resp: 43033
Ion Ratio Lower Upper
93 100
95 643.5 26.1 39.1#
123 7.9 10.2 15.4#

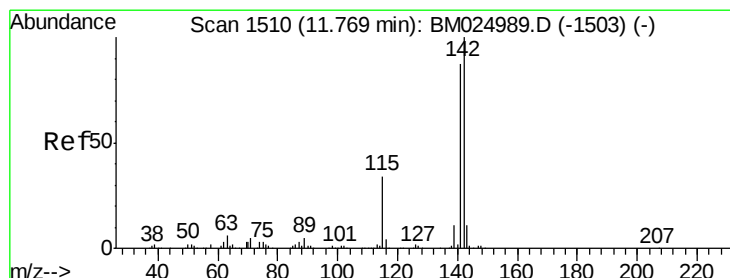
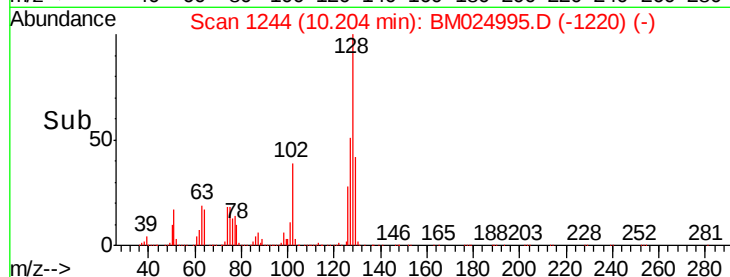
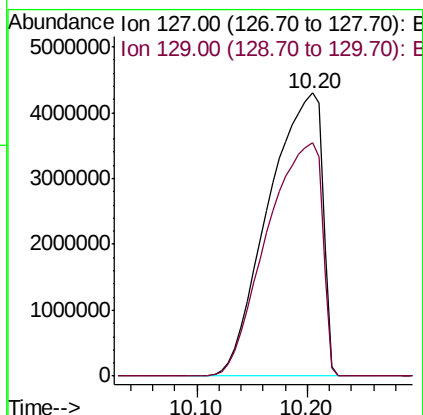
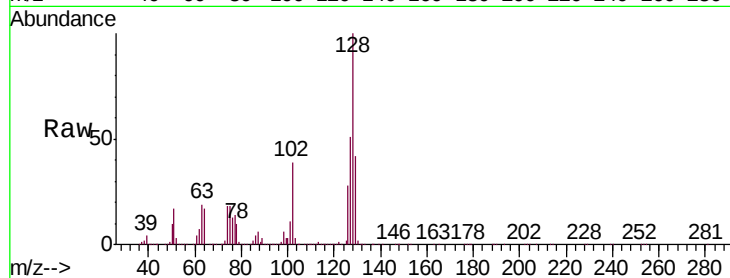




#30
4-Chloroaniline
Concen: 1376.450 ng/ul
RT: 10.20 min Scan# 1244
Delta R.T. -0.06 min
Lab File: BM024995.D
Acq: 21 Feb 2020 20:10

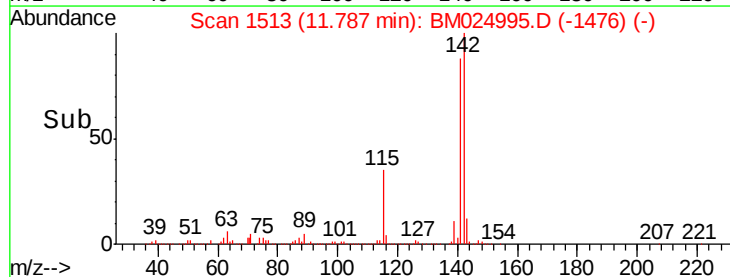
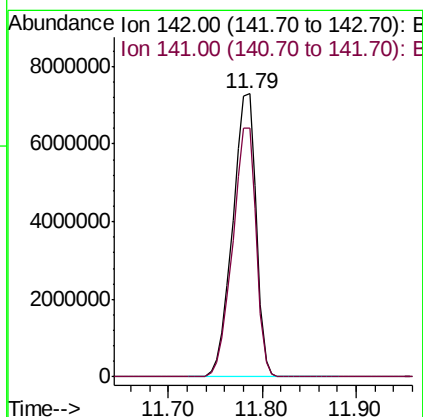
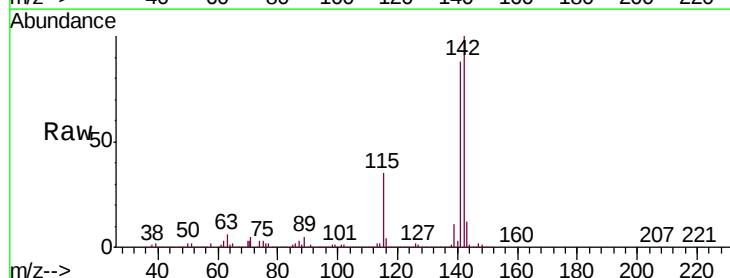
Instrument :
BNA_M
ClientSampleId :
DBDJ6

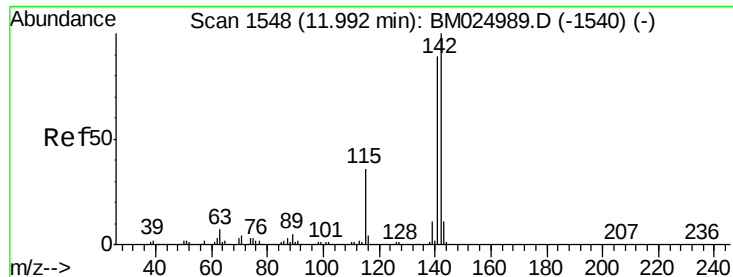
Tgt Ion:127 Resp:14518571
Ion Ratio Lower Upper
127 100
129 82.5 25.8 38.8#



#34
2-Methylnaphthalene
Concen: 513.946 ng/ul
RT: 11.79 min Scan# 1513
Delta R.T. 0.02 min
Lab File: BM024995.D
Acq: 21 Feb 2020 20:10

Tgt Ion:142 Resp:12678570
Ion Ratio Lower Upper
142 100
141 88.0 70.5 105.7

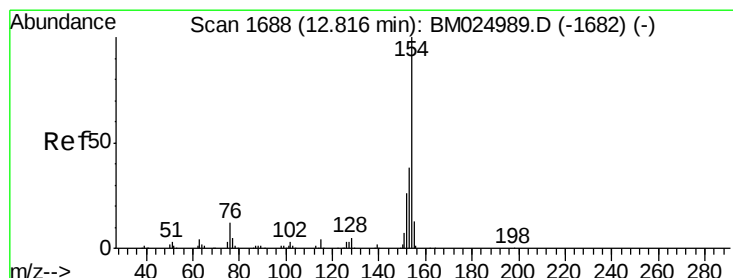
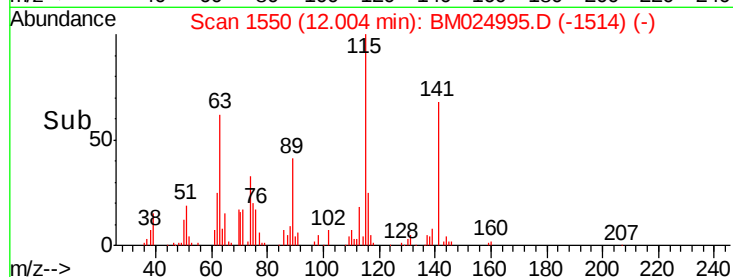
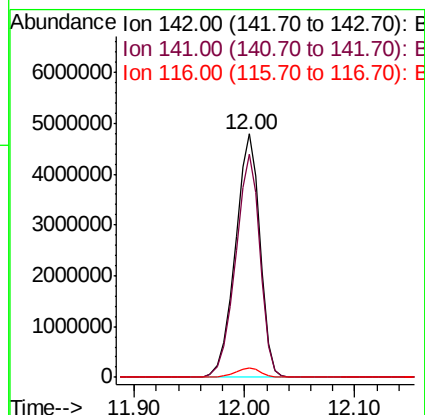
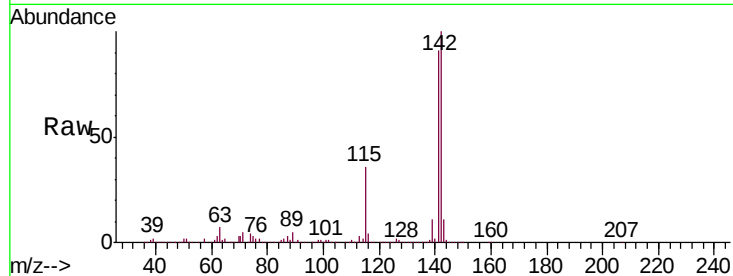




#35
 1-Methylnaphthalene
 Concen: 303.206 ng/ul
 RT: 12.00 min Scan# 1550
 Delta R.T. 0.01 min
 Lab File: BM024995.D
 Acq: 21 Feb 2020 20:10

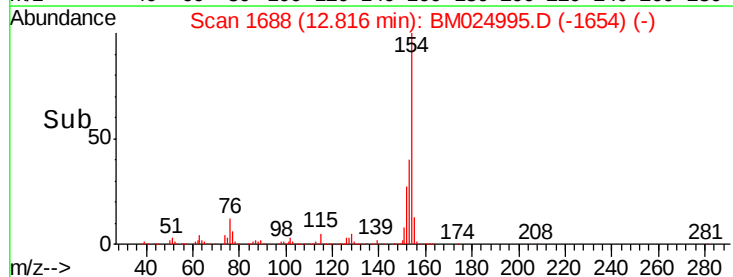
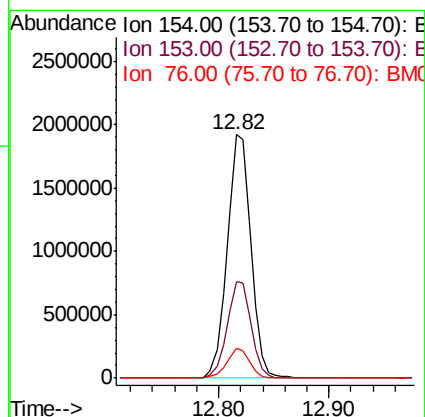
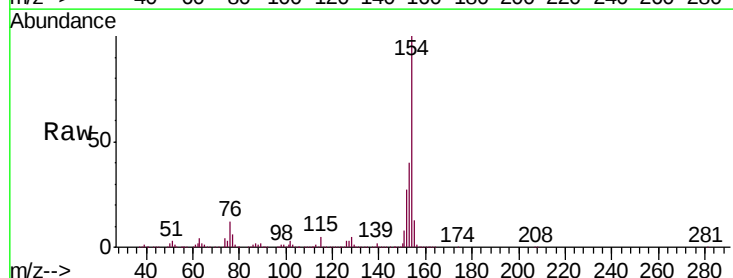
Instrument :
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 ClientSampleId :
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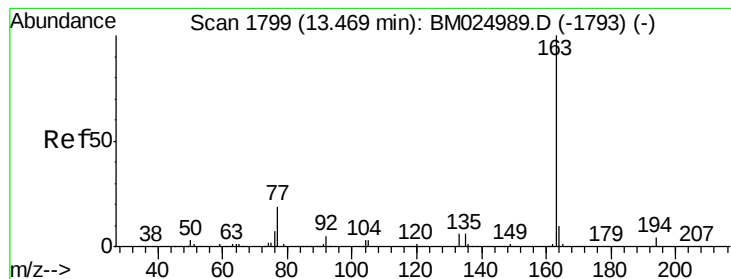
Tgt Ion:142 Resp: 7459606
 Ion Ratio Lower Upper
 142 100
 141 91.5 74.1 111.1
 116 3.8 3.0 4.4



#41
 1,1'-Biphenyl
 Concen: 80.304 ng/ul
 RT: 12.82 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: BM024995.D
 Acq: 21 Feb 2020 20:10

Tgt Ion:154 Resp: 2889568
 Ion Ratio Lower Upper
 154 100
 153 39.6 31.4 47.2
 76 12.1 7.5 11.3#





#45

Dimethylphthalate

Concen: 1.731 ng/ul

RT: 13.47 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

Instrument :

BNA_M

ClientSampleId :

DBDJ6

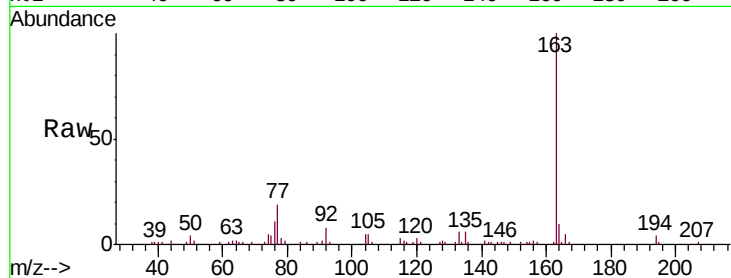
Tgt Ion:163 Resp: 66437

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

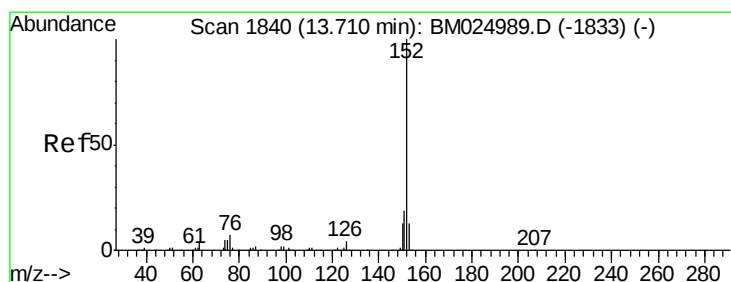
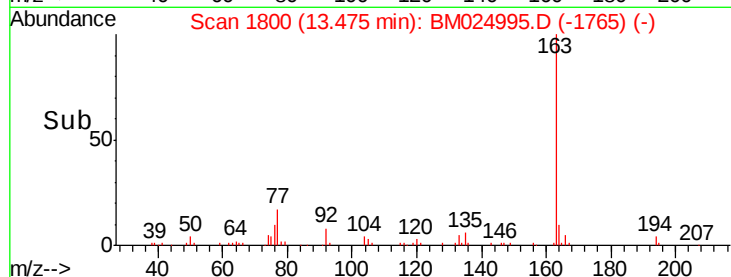
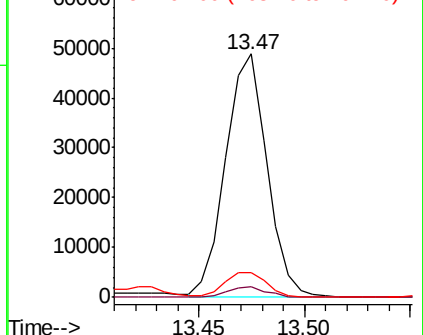
164 10.3 8.2 12.2



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: 3.395 ng/ul

RT: 13.71 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

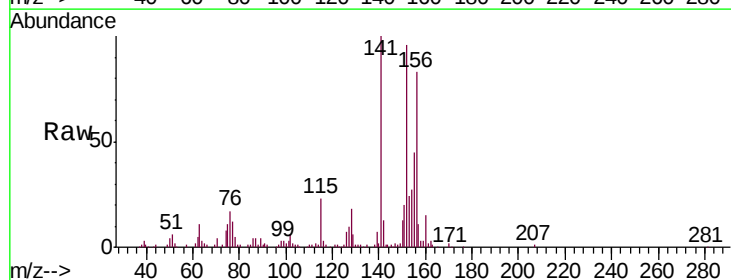
Tgt Ion:152 Resp: 151102

Ion Ratio Lower Upper

152 100

151 21.2 15.1 22.7

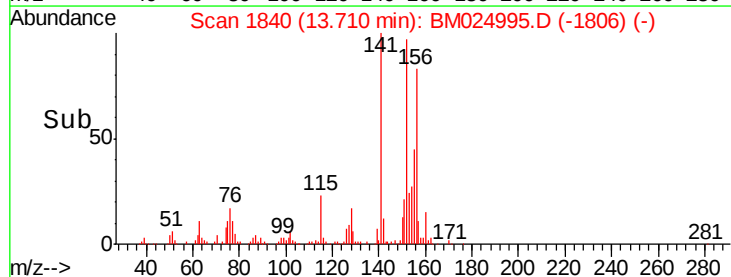
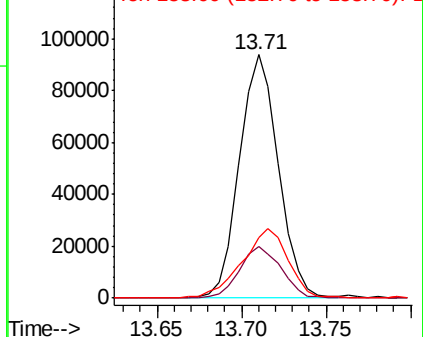
153 24.9 10.1 15.1#

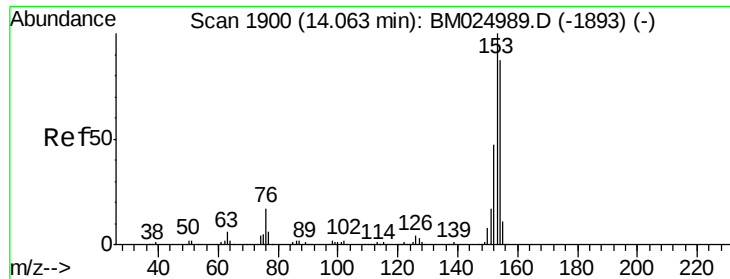


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 380.878 ng/ul

RT: 14.07 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

Instrument :

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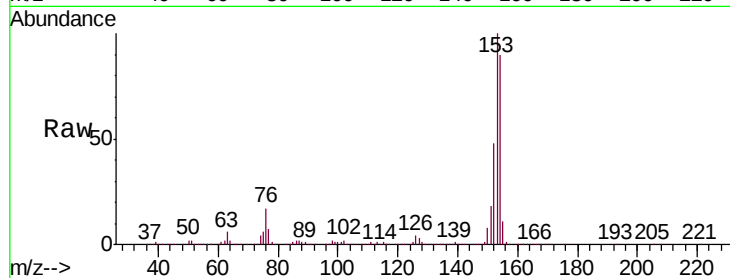
Tgt Ion:153 Resp:11448182

Ion Ratio Lower Upper

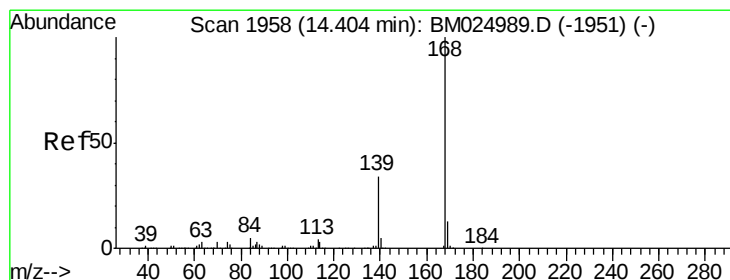
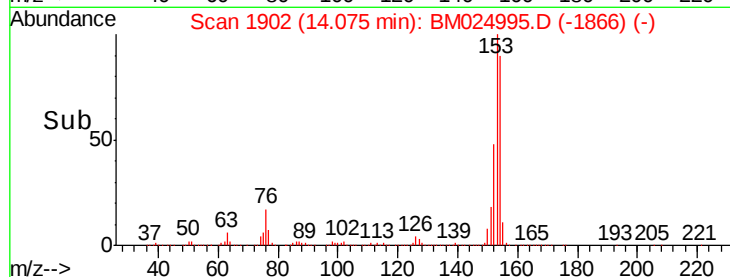
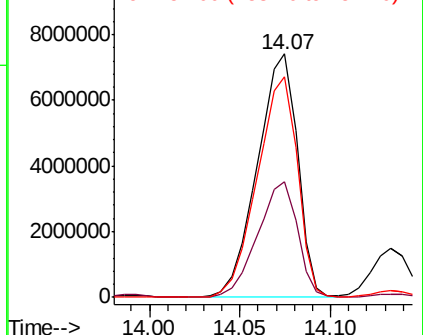
153 100

152 47.7 37.3 55.9

154 90.4 74.1 111.1



Abundance Ion 153.00 (152.70 to 153.70): E
1e+07 Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 217.074 ng/ul

RT: 14.41 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BM024995.D

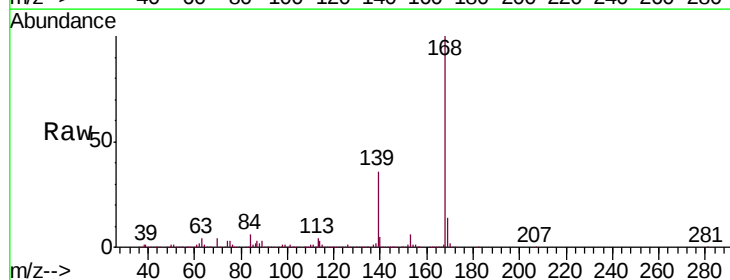
Acq: 21 Feb 2020 20:10

Tgt Ion:168 Resp: 9725999

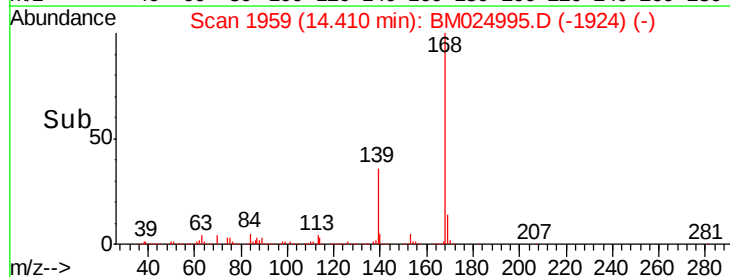
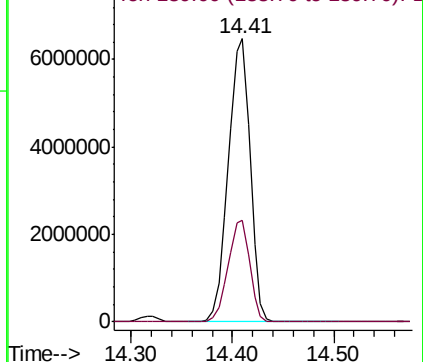
Ion Ratio Lower Upper

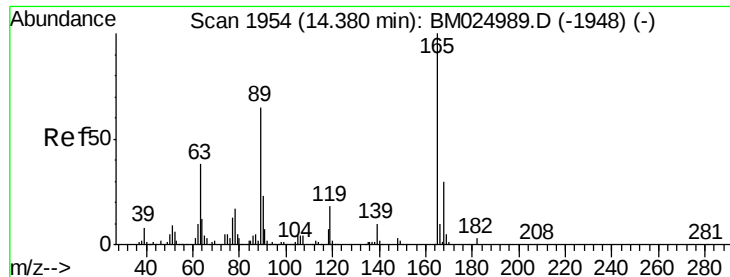
168 100

139 35.8 27.8 41.8



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

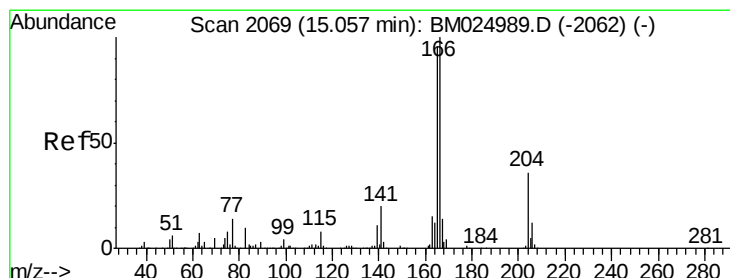
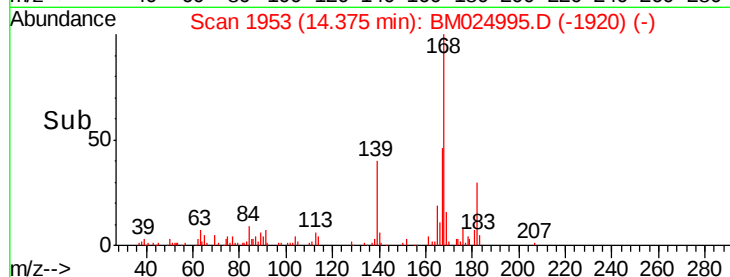
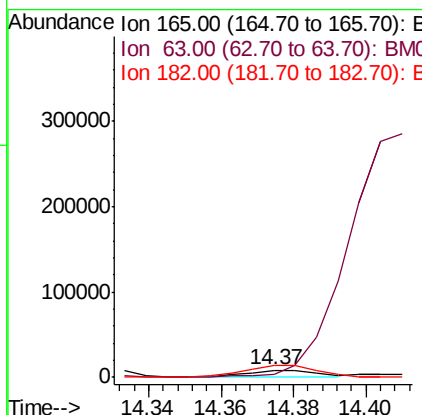
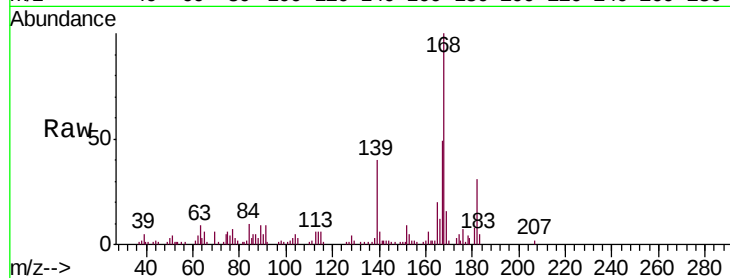




#55
 2,4-Dinitrotoluene
 Concen: 1.043 ng/ul
 RT: 14.37 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM024995.D
 Acq: 21 Feb 2020 20:10

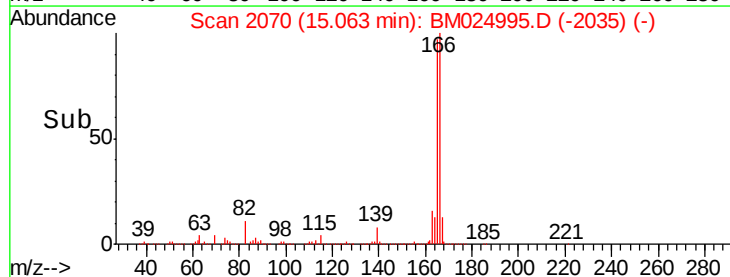
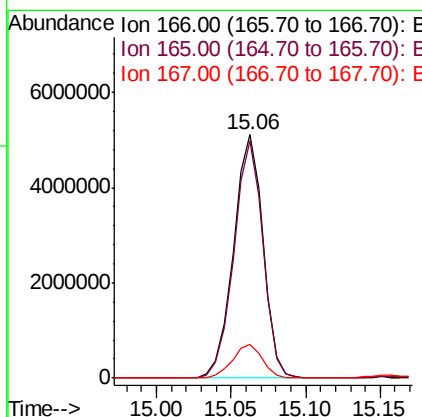
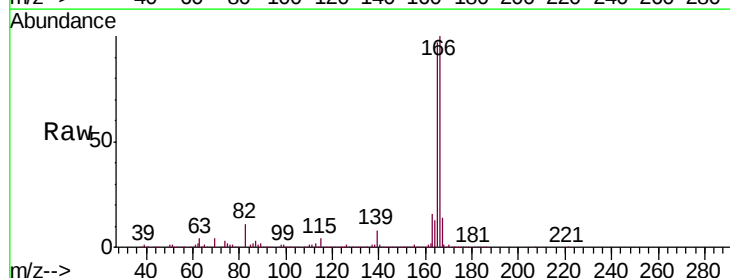
Instrument :
 BNA_M
 ClientSampleId :
 DBDJ6

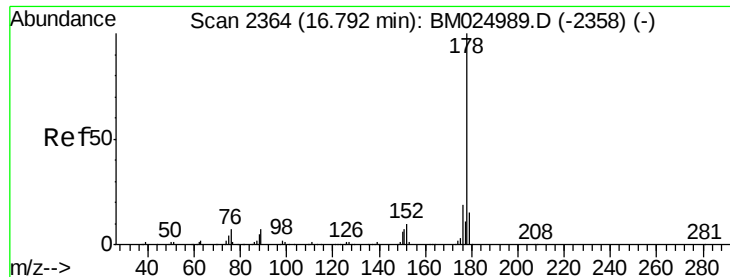
Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.2	29.0	43.4#
182	155.5	2.7	4.1#



#59
 Fluorene
 Concen: 190.394 ng/ul
 RT: 15.06 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: BM024995.D
 Acq: 21 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	75.8	113.8
167	13.7	10.6	16.0





#70

Phenanthrene

Concen: 201.810 ng/ul

RT: 16.80 min Scan# 2366

Delta R.T. 0.01 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

Instrument :

BNA_M

ClientSampleId :

DBDJ6

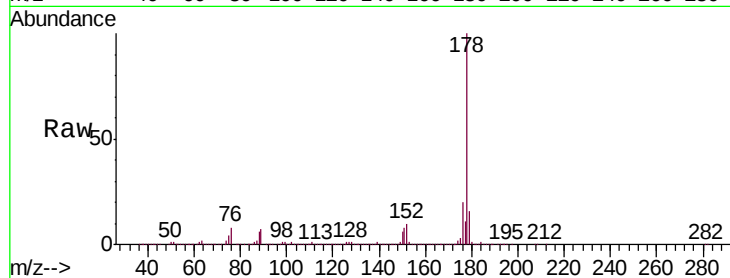
Tgt Ion:178 Resp:12017282

Ion Ratio Lower Upper

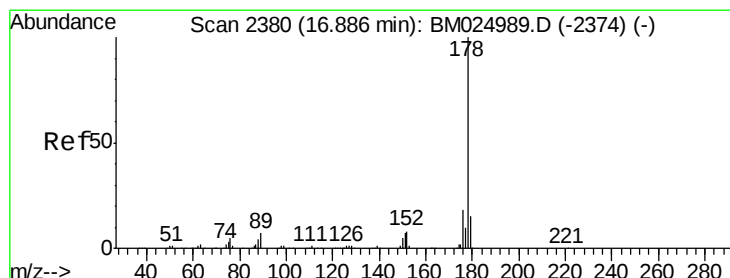
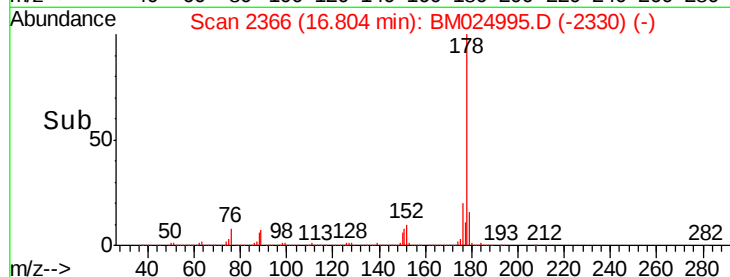
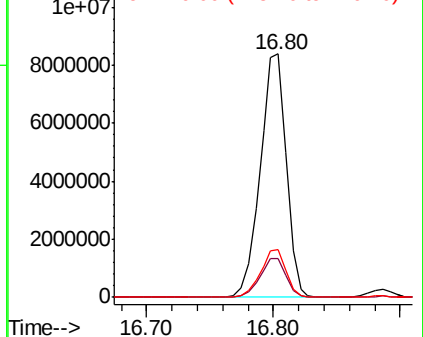
178 100

179 16.1 12.2 18.2

176 19.5 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: 6.062 ng/ul

RT: 16.89 min Scan# 2380

Delta R.T. 0.00 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

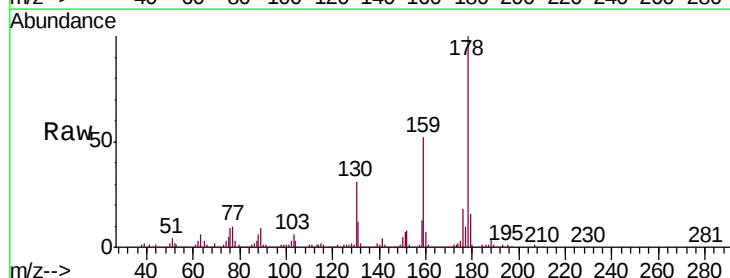
Tgt Ion:178 Resp: 366115

Ion Ratio Lower Upper

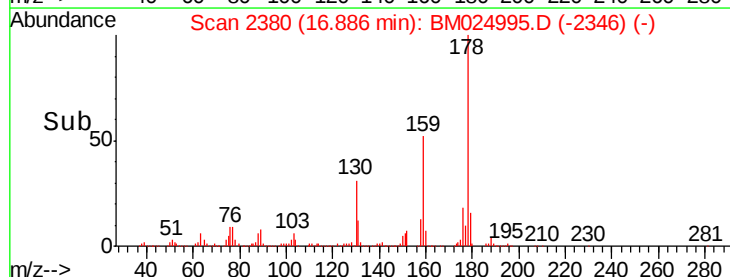
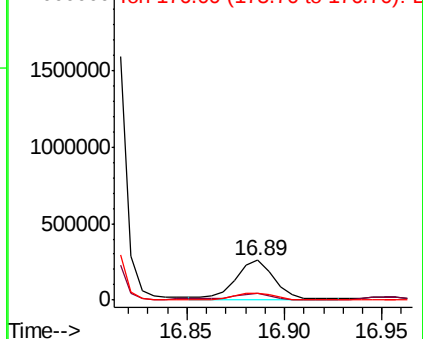
178 100

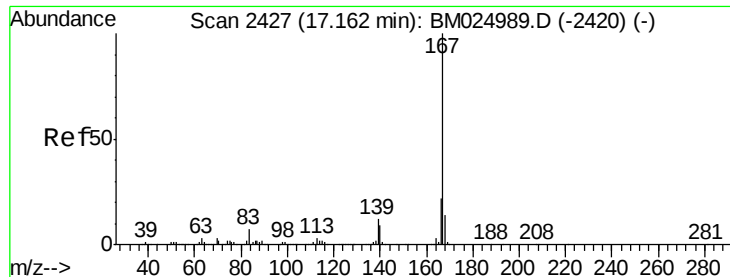
179 15.8 12.3 18.5

176 18.0 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: 102.148 ng/ul

RT: 17.16 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

Instrument :

BNA_M

ClientSampleId :

DBDJ6

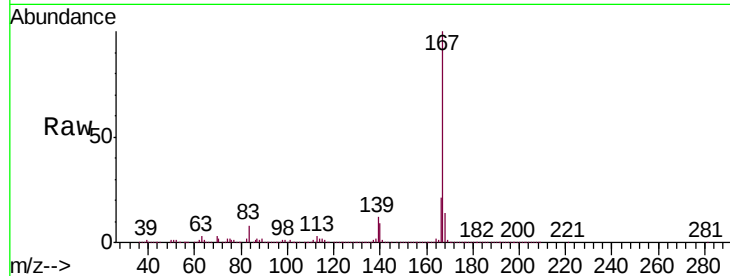
Tgt Ion:167 Resp: 5139261

Ion Ratio Lower Upper

167 100

166 21.0 16.6 24.8

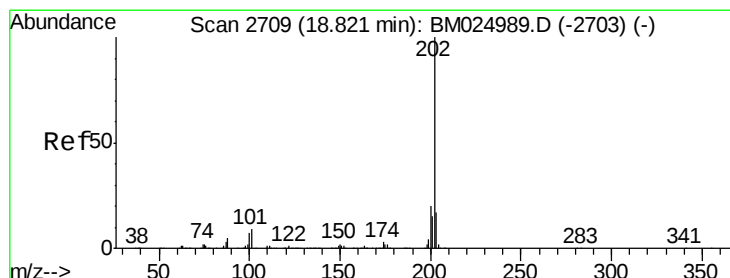
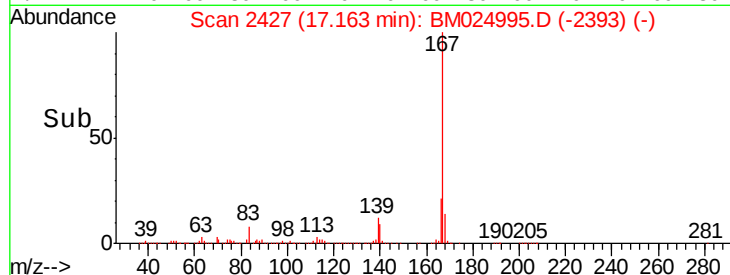
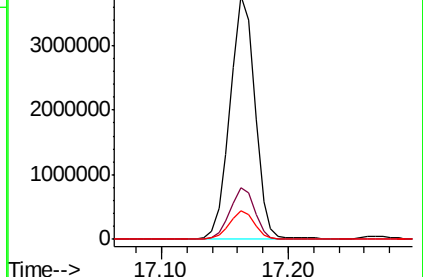
139 11.9 9.3 13.9



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: 12.231 ng/ul

RT: 18.82 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BM024995.D

Acq: 21 Feb 2020 20:10

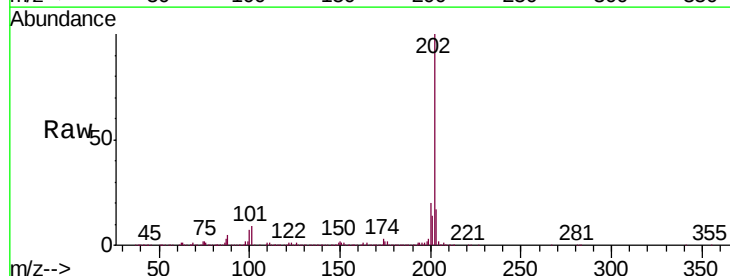
Tgt Ion:202 Resp: 894107

Ion Ratio Lower Upper

202 100

101 8.8 6.1 9.1

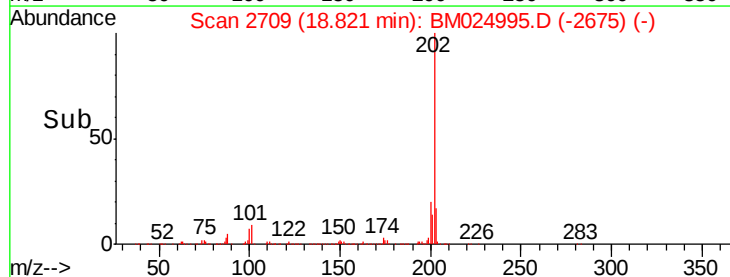
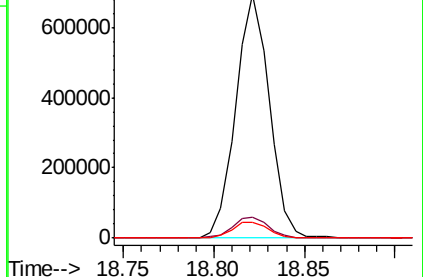
100 6.7 4.8 7.2

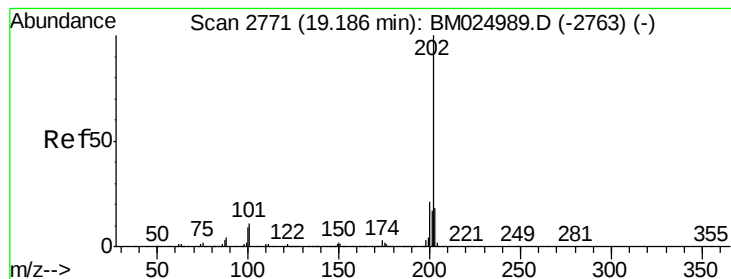


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80
 Pyrene
 Concen: 5.988 ng/ul
 RT: 19.19 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: BM024995.D
 Acq: 21 Feb 2020 20:10

Instrument :
 BNA_M
 ClientSampleId :
 DBDJ6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.0	10.4#
100	8.9	5.8	8.8#

