

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072919\
 Data File : BM021693.D
 Acq On : 29 Jul 2019 11:18
 Operator : HP/JU
 Sample : K3863-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A52S6

Quant Time: Jul 29 11:55:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 26 18:42:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	134921	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	569027	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	383001	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	837447	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	673318	20.00	ng/ul	0.00
85) Perylene-d12	23.52	264	639796	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	14519	5.18	ng/uL	0.00
5) Phenol-d5	6.86	99	389394	38.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	223562	38.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	323765	38.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	324894	38.15	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	169097	39.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	184544	39.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	405010	40.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	288476	30.39	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	1280059	43.30	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	1489430	42.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	151740	33.82	ng/ul	0.00
57) Fluorene-d10	15.33	176	1125156	43.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	105363	20.24	ng/ul	0.00
70) Anthracene-d10	17.18	188	1805307	42.84	ng/ul	0.00
78) Pyrene-d10	19.48	212	1886871	49.96	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	1499627	44.30	ng/ul	0.01

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.26	88	54293	19.270	ng/uL 95
8) Bis(2-Chloroethyl)ether	7.12	93	367509	45.149	ng/ul 98
10) 2-Chlorophenol	7.25	128	315483	34.925	ng/ul 98
12) 2,2'-oxybis(1-Chloropropan	8.21	45	360303	34.527	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.49	70	167384	24.084	ng/ul 97
17) Hexachloroethane	8.74	117	122043	29.523	ng/ul 96
20) Nitrobenzene	8.89	77	398099	35.029	ng/ul 97
25) Bis(2-Chloroethoxy)methane	9.89	93	379943	30.746	ng/ul 100
27) 2,4-Dichlorophenol	10.12	162	332994	33.145	ng/ul 98
28) Naphthalene	10.51	128	846109	26.992	ng/ul 100
31) Hexachlorobutadiene	10.77	225	170365	22.041	ng/ul 98
36) 1,2,4,5-Tetrachlorobenzene	12.50	216	206651	13.817	ng/ul 99
37) Hexachlorocyclopentadiene	12.46	237	149972	18.293	ng/ul 97
38) 2,4,6-Trichlorophenol	12.75	196	353219	40.031	ng/ul 99
39) 2,4,5-Trichlorophenol	12.82	196	283035	29.744	ng/ul 98
41) 2-Chloronaphthalene	13.20	162	740282	29.324	ng/ul 99
44) Dimethylphthalate	13.79	163	1288981	42.009	ng/ul 99
45) 2,6-Dinitrotoluene	13.93	165	111277	21.791	ng/ul 99
47) Acenaphthylene	14.05	152	952624	25.304	ng/ul 99
49) Acenaphthene	14.39	153	578245	22.032	ng/ul 99
53) Dibenzofuran	14.73	168	953078	24.717	ng/ul 99
54) 2,4-Dinitrotoluene	14.72	165	142526	17.831	ng/ul# 83
56) Diethylphthalate	15.16	149	857087	29.523	ng/ul 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

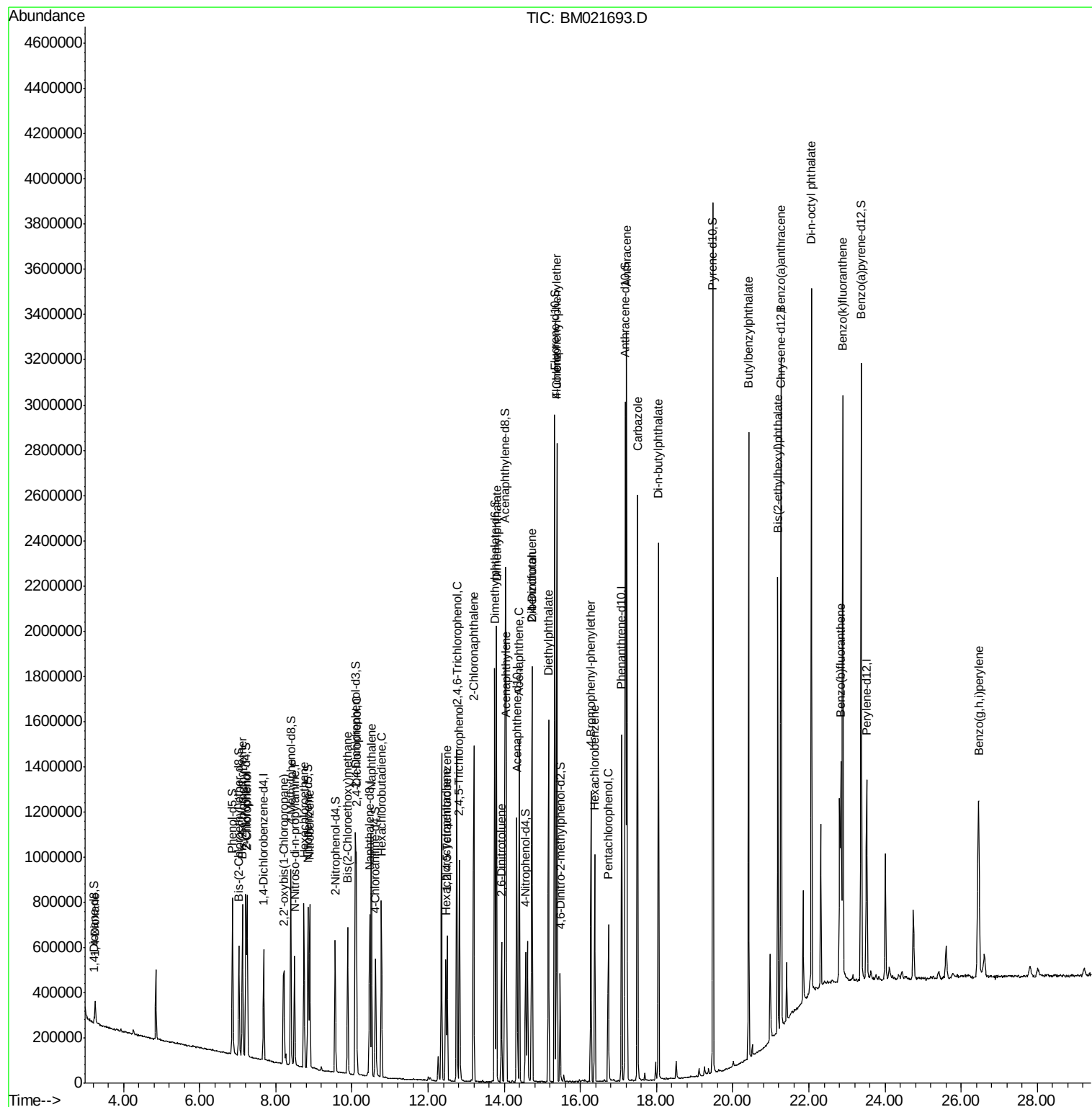
58) Fluorene	15.38	166	807150	26.178	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.38	204	266683	15.473	ng/ul	96
65) 4-Bromophenyl-phenylether	16.27	248	258872	22.819	ng/ul	99
66) Hexachlorobenzene	16.37	284	216596	16.360	ng/ul	98
68) Pentachlorophenol	16.73	266	132557	17.319	ng/ul	100
71) Anthracene	17.22	178	1963127	37.996	ng/ul	100
74) Carbazole	17.50	167	1629706	38.098	ng/ul	99
75) Di-n-butylphthalate	18.05	149	1654524	35.063	ng/ul	99
80) Butylbenzylphthalate	20.42	149	743500	47.970	ng/ul	100
82) Benzo(a)anthracene	21.26	228	1425311	29.069	ng/ul	100
83) Bis(2-ethylhexyl)phthalate	21.19	149	649429	29.105	ng/ul	99
86) Di-n-octyl phthalate	22.06	149	2013292	53.312	ng/ul	100
87) Benzo(b)fluoranthene	22.84	252	682478	15.677	ng/ul	99
88) Benzo(k)fluoranthene	22.89	252	1778495	41.789	ng/ul	100
93) Benzo(a,h,i)perylene	26.46	276	1030846	26.230	ng/ul	99

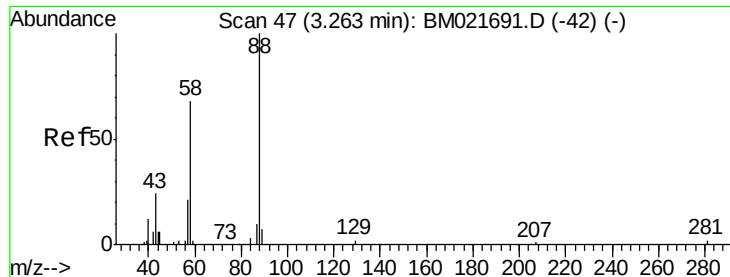
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampled :
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#2

1,4-Dioxane

Concen: 19.270 ng/uL

RT: 3.26 min Scan# 46

Delta R.T. -0.01 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

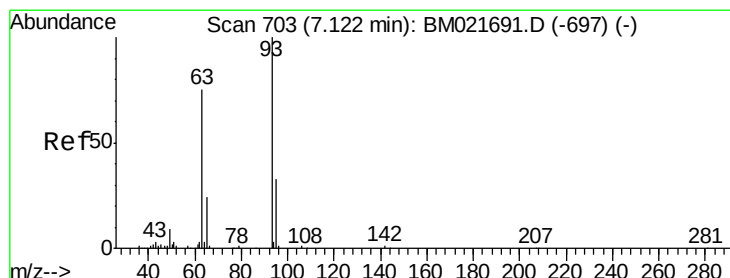
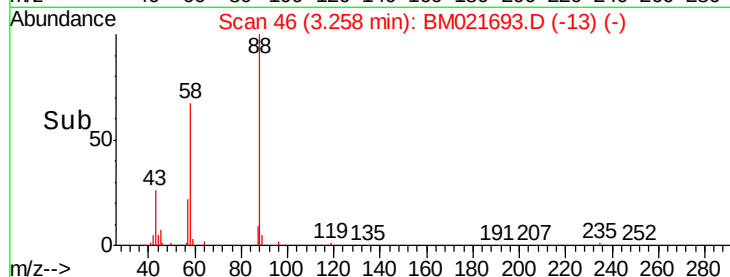
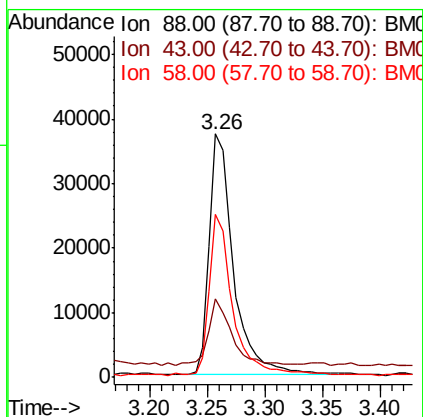
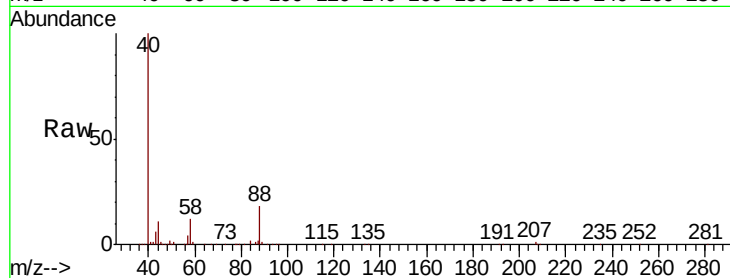
Tot Ion: 88 Resp: 54293

Ion	Ratio	Lower	Upper
88	100		
43	32.3	28.2	42.2
58	66.8	49.9	74.9

88 100

43 32.3 28.2 42.2

58 66.8 49.9 74.9



#8

Bis(2-Chloroethyl)ether

Concen: 45.149 ng/uL

RT: 7.12 min Scan# 703

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

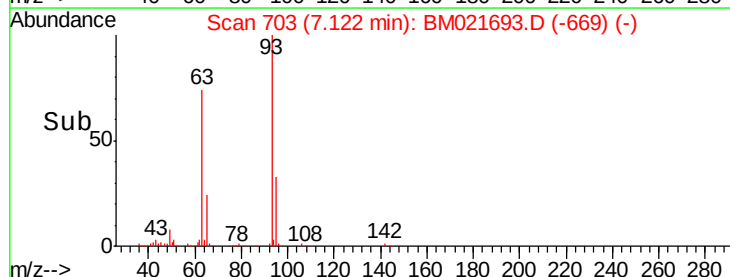
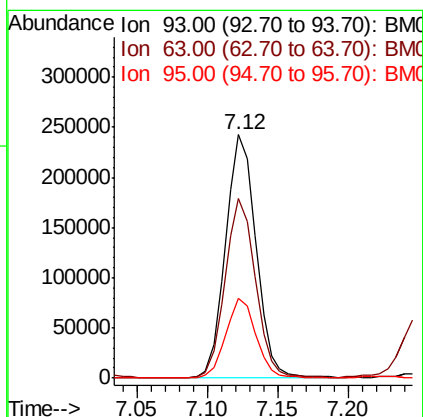
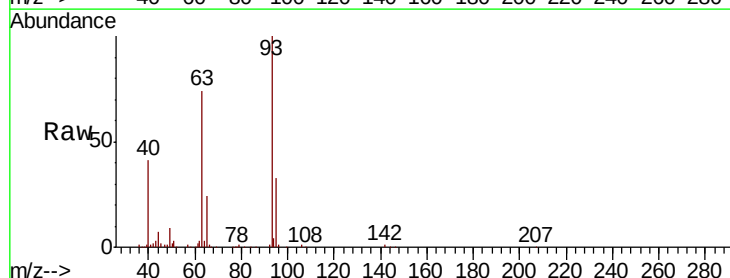
Tgt Ion: 93 Resp: 367509

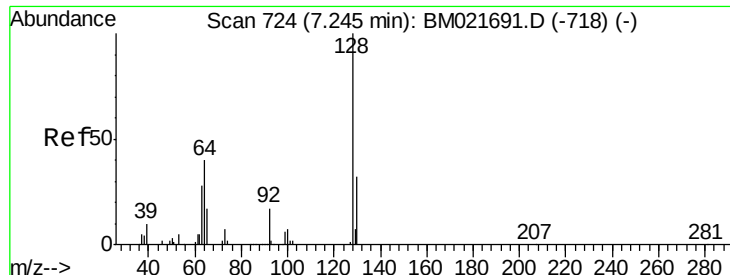
Ion	Ratio	Lower	Upper
93	100		
63	74.0	61.2	91.8
95	32.7	26.2	39.4

93 100

63 74.0 61.2 91.8

95 32.7 26.2 39.4

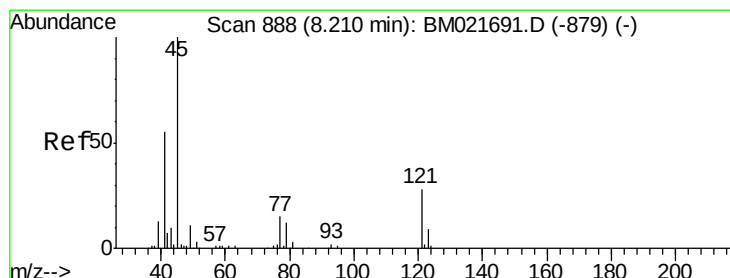
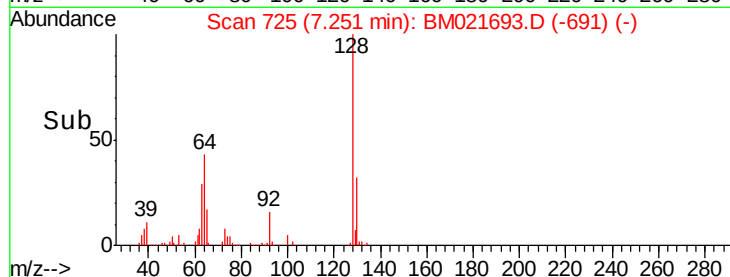
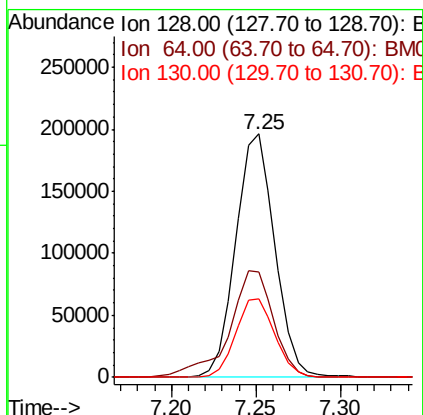
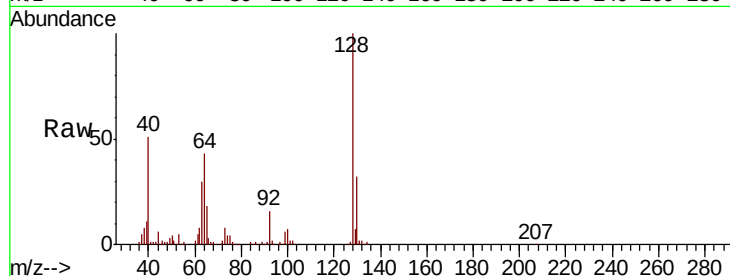




#10
2-Chlorophenol
Concen: 34.925 ng/ul
RT: 7.25 min Scan# 725
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

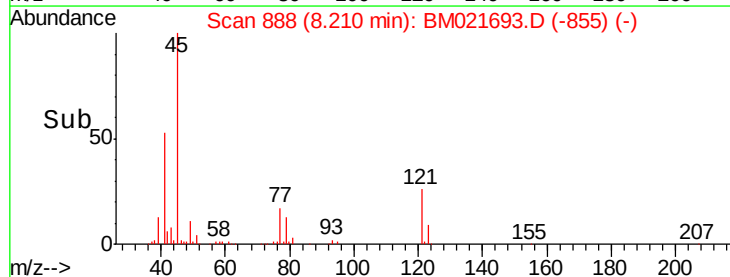
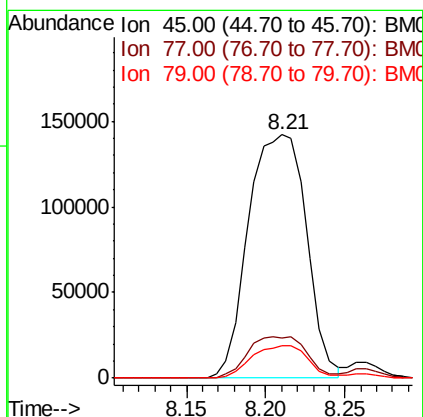
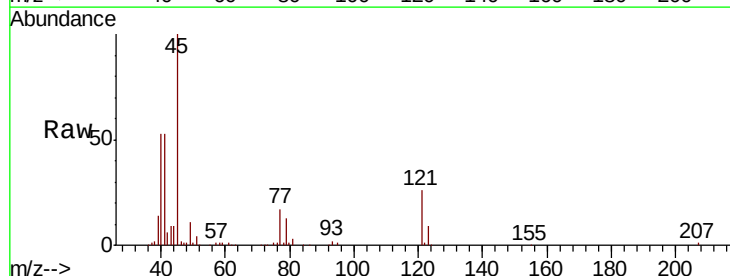
Instrument :
BNA_M
ClientSampleId :
A52S6

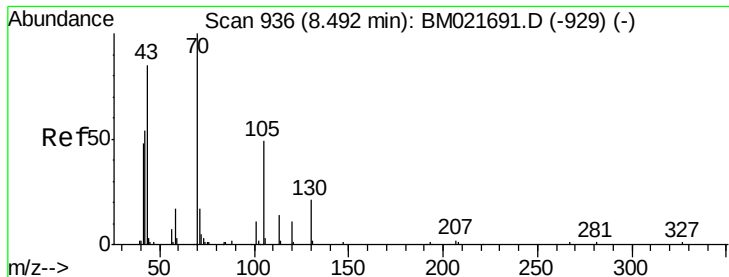
Tot Ion	Ratio	Lower	Upper
128	100		
64	43.1	34.5	51.7
130	32.4	27.6	41.4



#12
2,2'-oxybis(1-Chloropropane)
Concen: 34.527 ng/ul
RT: 8.21 min Scan# 888
Delta R.T. -0.01 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.7	13.8	20.8
79	13.3	10.8	16.2





#15

N-Nitroso-di-n-propylamine

Concen: 24.084 ng/ul

RT: 8.49 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

Tot Ion: 70 Resp: 167384

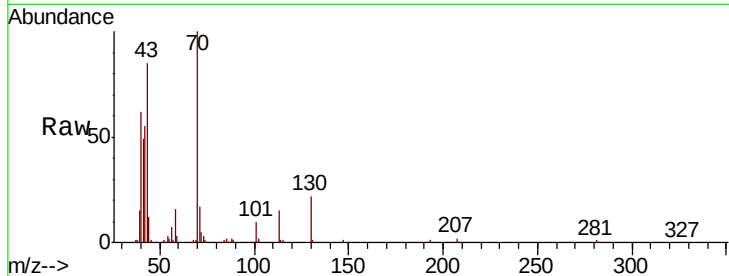
Ion Ratio Lower Upper

70 100

42 55.4 43.2 64.8

101 9.5 7.0 10.6

130 21.6 15.7 23.5

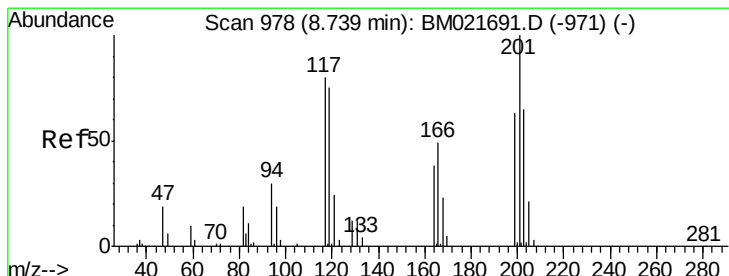
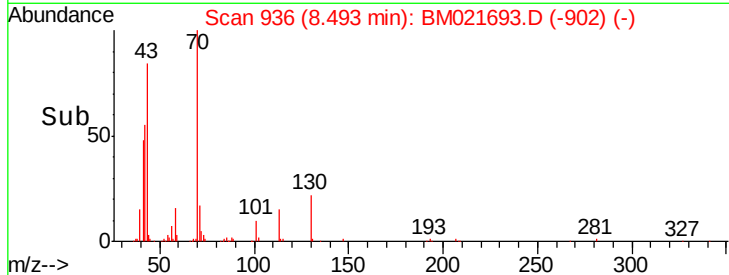
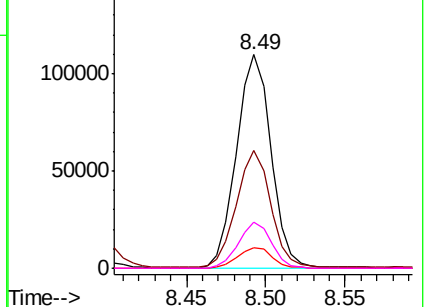


Abundance Ion 70.00 (69.70 to 70.70): BM021693.D (-929) (-)

Ion 42.00 (41.70 to 42.70): BM021693.D (-929) (-)

Ion 101.00 (100.70 to 101.70): BM021693.D (-929) (-)

Ion 130.00 (129.70 to 130.70): BM021693.D (-929) (-)



#17

Hexachloroethane

Concen: 29.523 ng/ul

RT: 8.74 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

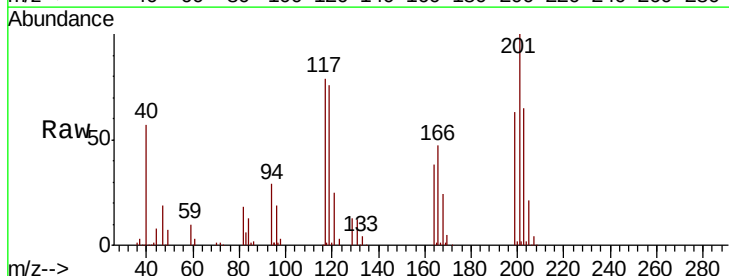
Tgt Ion: 117 Resp: 122043

Ion Ratio Lower Upper

117 100

201 127.3 99.3 148.9

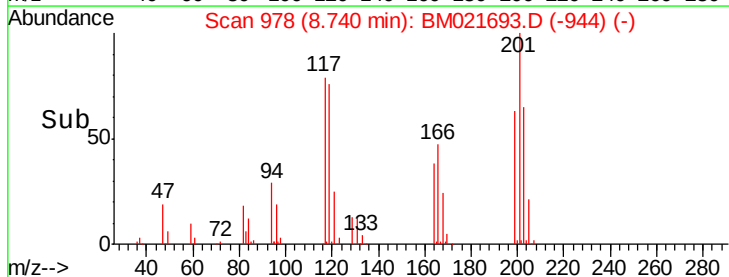
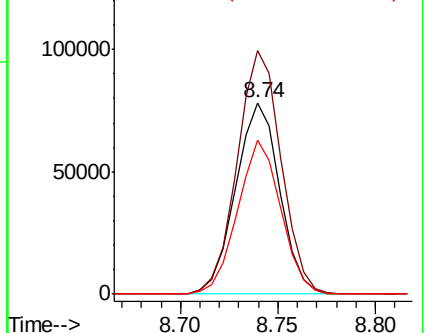
199 80.8 60.0 90.0

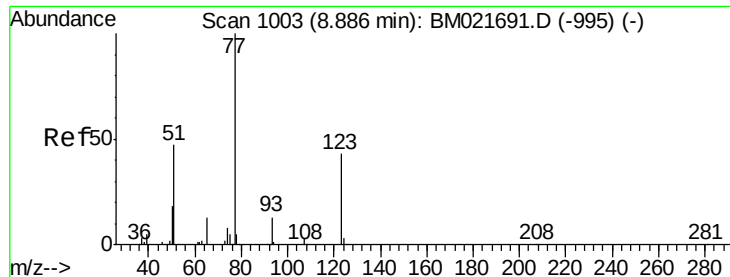


Abundance Ion 117.00 (116.70 to 117.70): BM021693.D (-944) (-)

Ion 201.00 (200.70 to 201.70): BM021693.D (-944) (-)

Ion 199.00 (198.70 to 199.70): BM021693.D (-944) (-)





#20

Nitrobenzene

Concen: 35.029 ng/ul

RT: 8.89 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

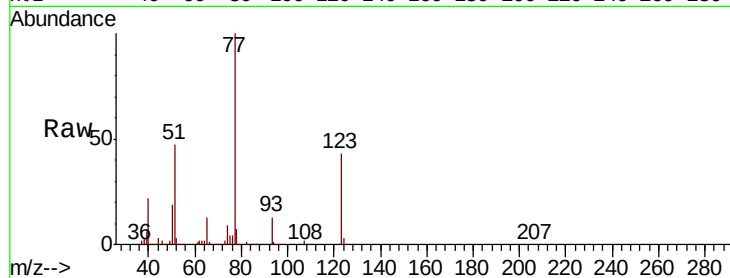
BNA_M

ClientSampleId :

A52S6

Tot Ion: 77 Resp: 398099

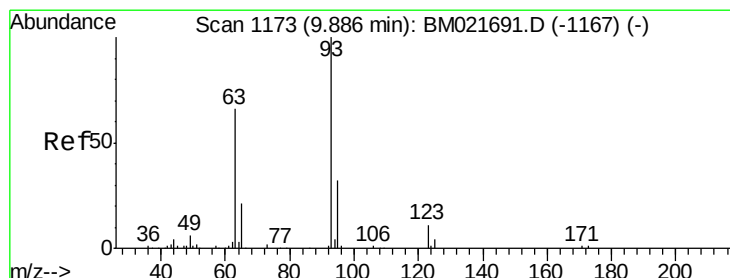
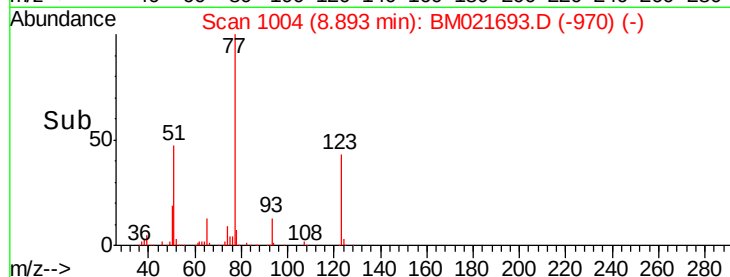
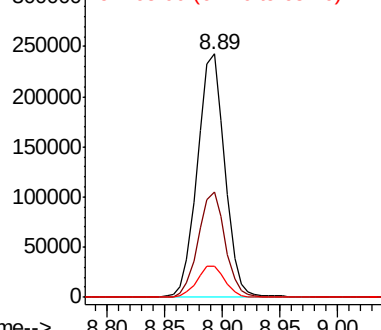
Ion	Ratio	Lower	Upper
77	100		
123	43.5	33.0	49.4
65	13.0	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BM021693.D (-970) (-)

Ion 123.00 (122.70 to 123.70): BM021693.D (-970) (-)

Ion 65.00 (64.70 to 65.70): BM021693.D (-970) (-)



#25

Bis(2-Chloroethoxy)methane

Concen: 30.746 ng/ul

RT: 9.89 min Scan# 1174

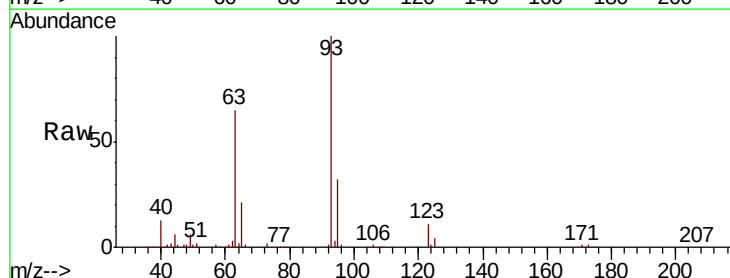
Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Tgt Ion: 93 Resp: 379943

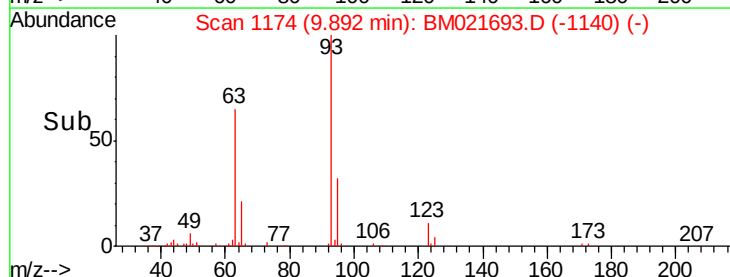
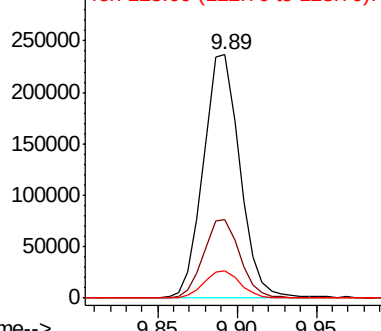
Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.2	9.2	13.8

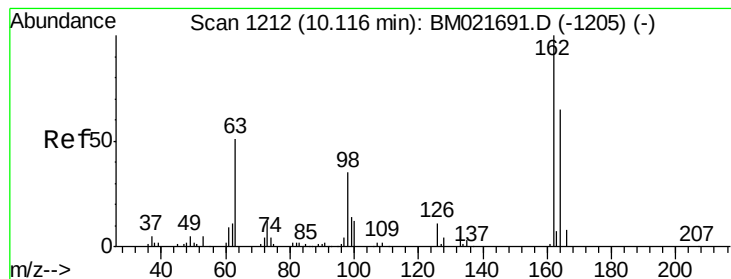


Abundance Ion 93.00 (92.70 to 93.70): BM021693.D (-1140) (-)

Ion 95.00 (94.70 to 95.70): BM021693.D (-1140) (-)

Ion 123.00 (122.70 to 123.70): BM021693.D (-1140) (-)





#27

2,4-Dichlorophenol

Concen: 33.145 ng/ul

RT: 10.12 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

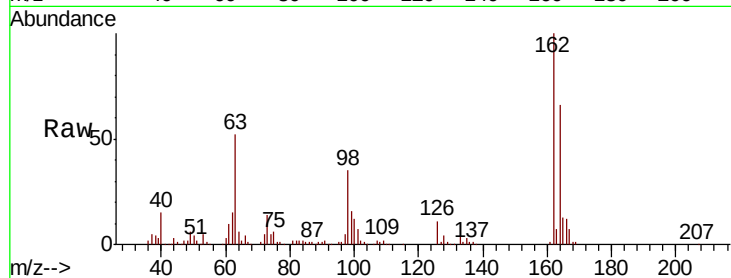
Tot Ion:162 Resp: 332994

Ion Ratio Lower Upper

162 100

164 66.5 51.5 77.3

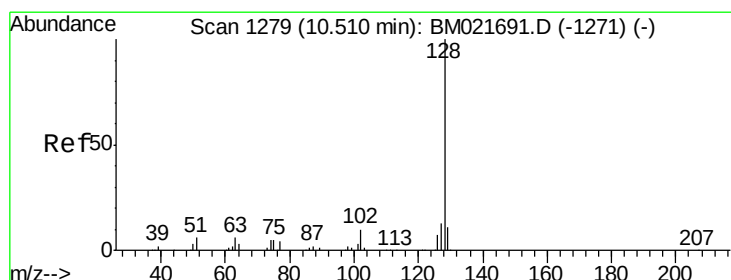
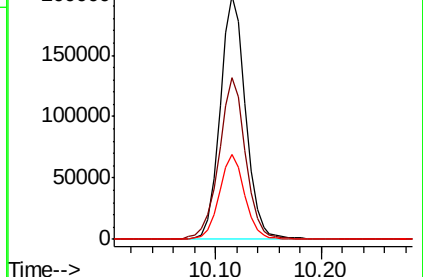
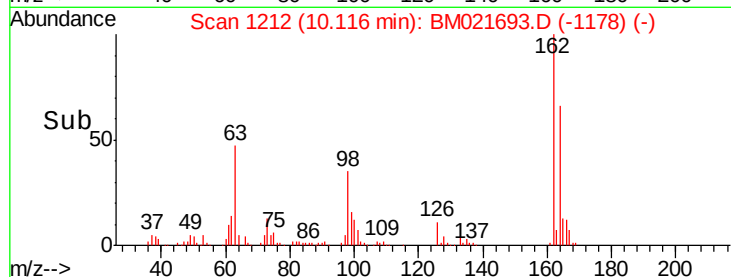
98 35.0 28.5 42.7



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#28

Naphthalene

Concen: 26.992 ng/ul

RT: 10.51 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

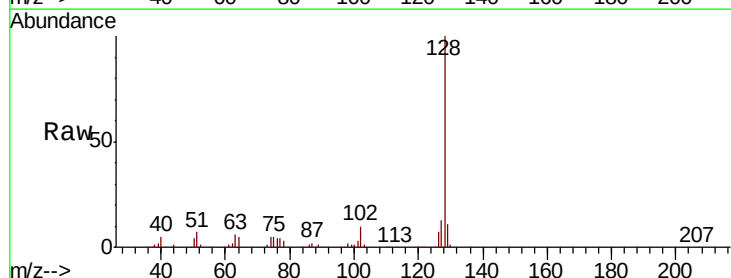
Tgt Ion:128 Resp: 846109

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

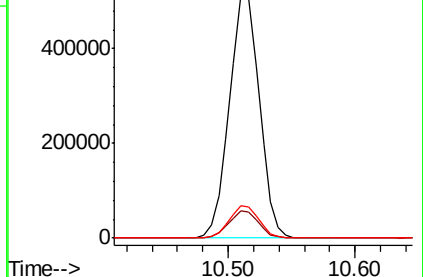
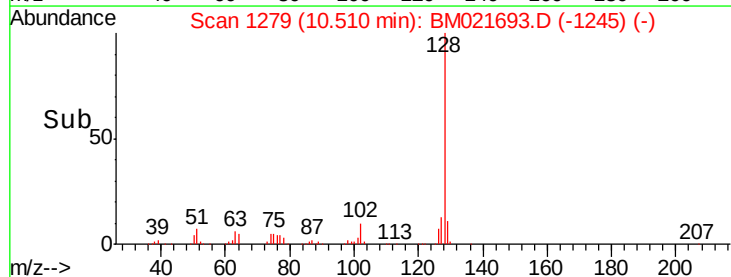
127 13.4 10.5 15.7

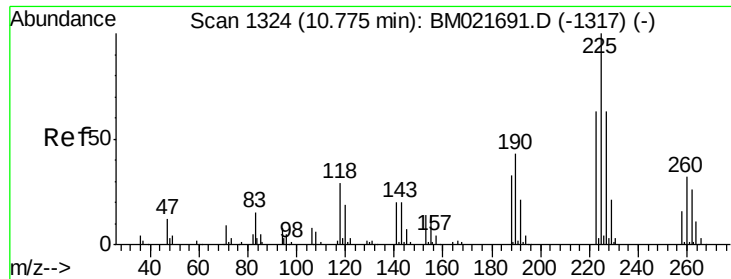


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

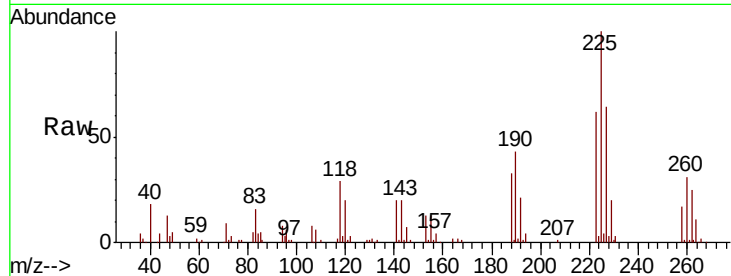




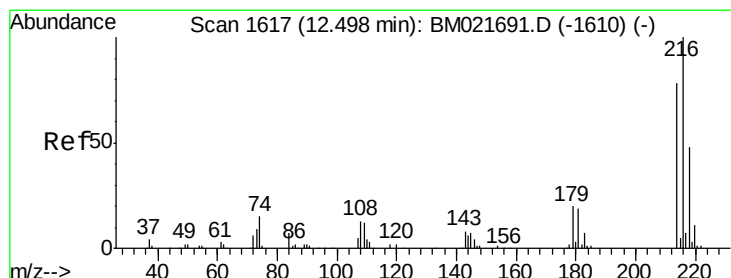
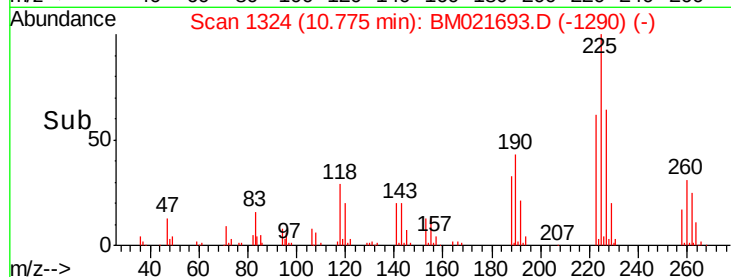
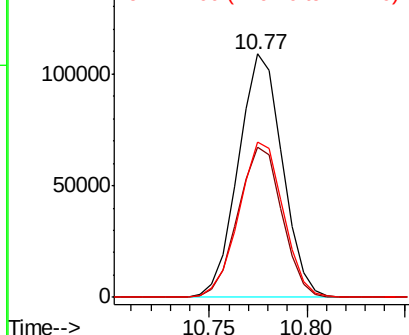
#31
Hexachlorobutadiene
Concen: 22.041 ng/ul
RT: 10.77 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Instrument :
BNA_M
ClientSampleId :
A52S6

Tot Ion:225 Resp: 170365
Ion Ratio Lower Upper
225 100
223 61.9 50.6 76.0
227 63.8 51.9 77.9



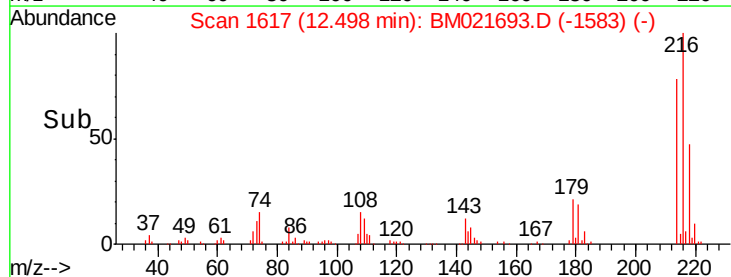
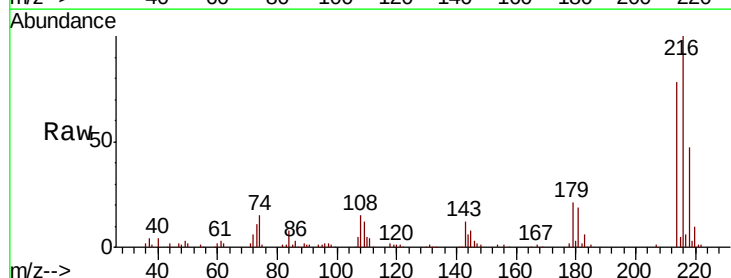
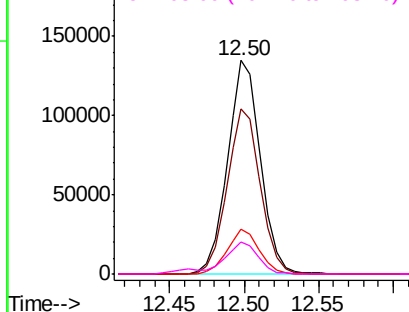
Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

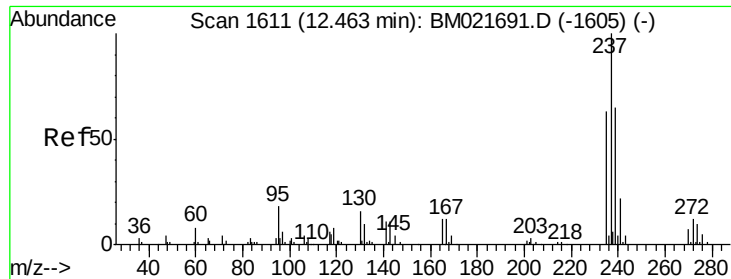


#36
1,2,4,5-Tetrachlorobenzene
Concen: 13.817 ng/ul
RT: 12.50 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Tgt Ion:216 Resp: 206651
Ion Ratio Lower Upper
216 100
214 77.5 63.4 95.0
179 20.7 16.3 24.5
108 14.9 11.9 17.9

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

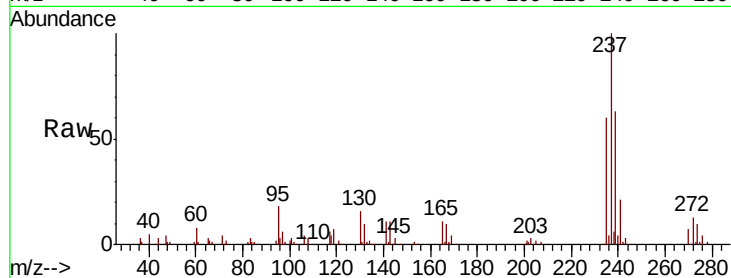




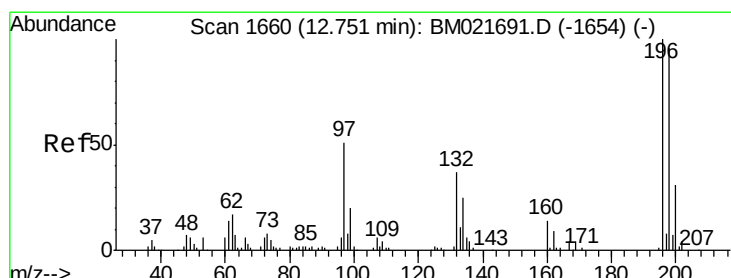
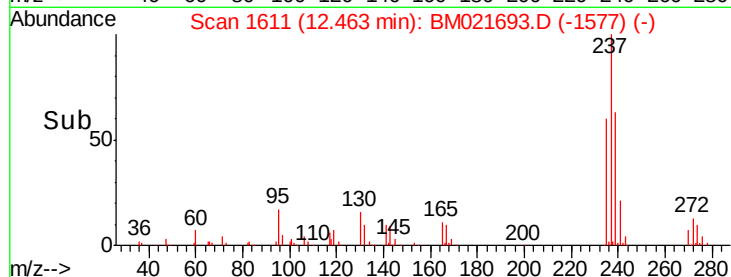
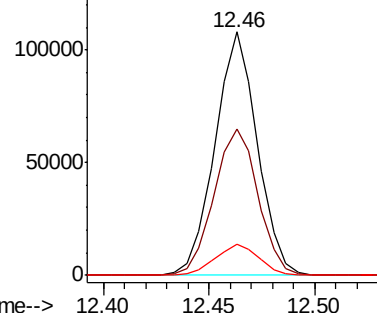
#37
Hexachlorocyclopentadiene
Concen: 18.293 ng/ul
RT: 12.46 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Instrument :
BNA_M
ClientSampleId :
A52S6

Tot Ion:237 Resp: 149972
Ion Ratio Lower Upper
237 100
235 60.2 50.4 75.6
272 12.6 10.2 15.4

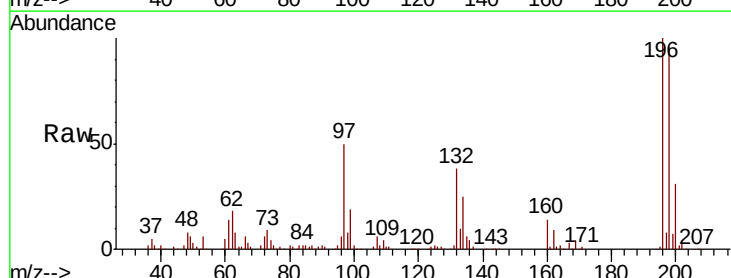


Abundance Ion 237.00 (236.70 to 237.70): E
Ion 235.00 (234.70 to 235.70): E
Ion 272.00 (271.70 to 272.70): E

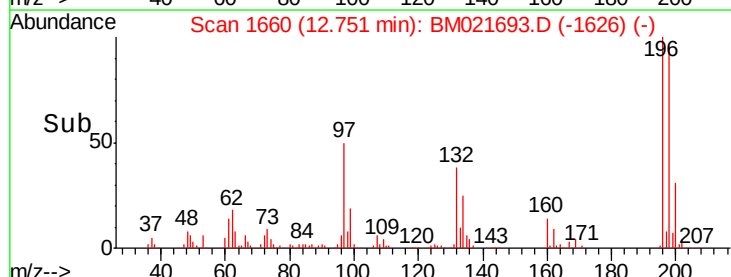
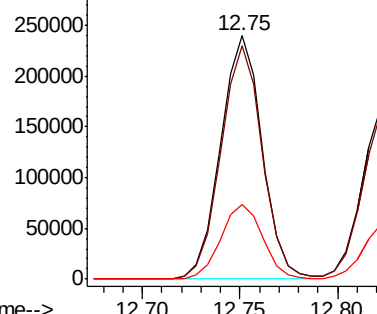


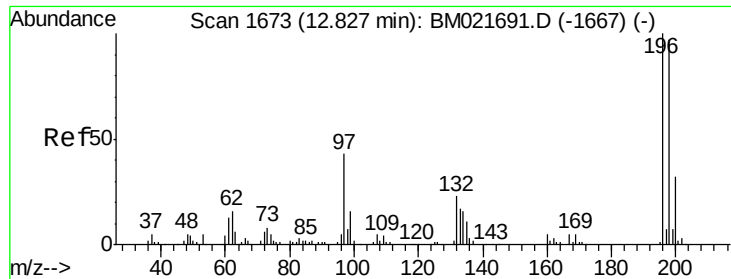
#38
2,4,6-Trichlorophenol
Concen: 40.031 ng/ul
RT: 12.75 min Scan# 1660
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Tgt Ion:196 Resp: 353219
Ion Ratio Lower Upper
196 100
198 95.6 76.1 114.1
200 30.9 24.3 36.5



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

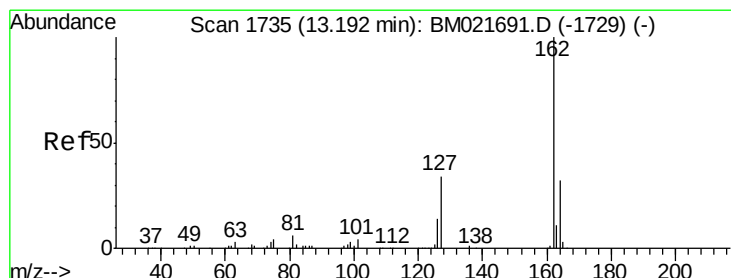
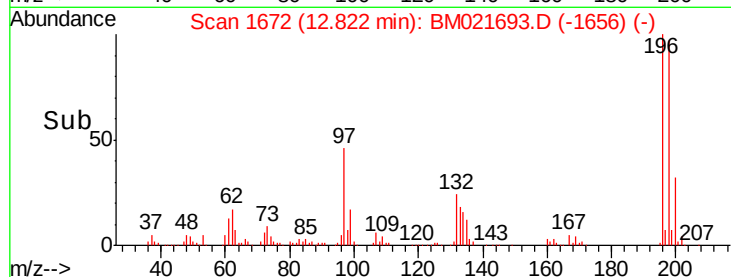
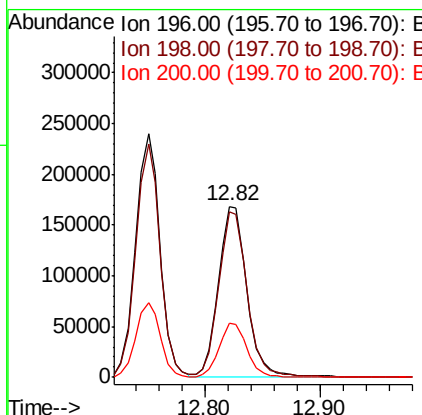
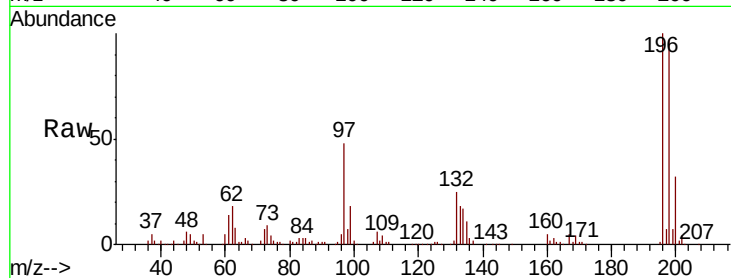




#39
 2,4,5-Trichlorophenol
 Concen: 29.744 ng/ul
 RT: 12.82 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BM021693.D
 Acq: 29 Jul 2019 11:18

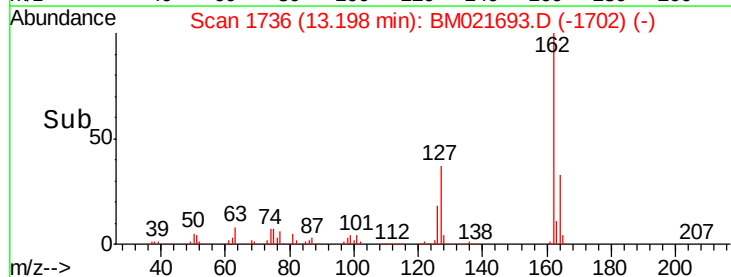
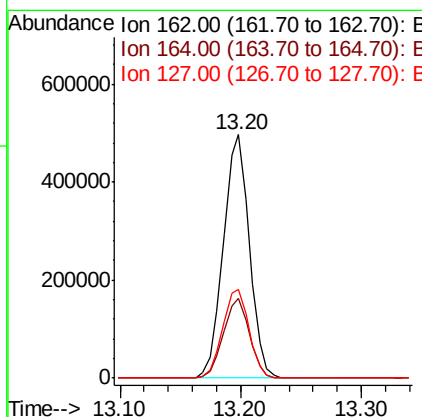
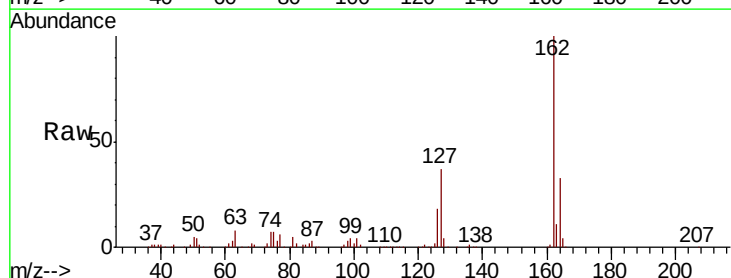
Instrument :
 BNA_M
 ClientSampleId :
 A52S6

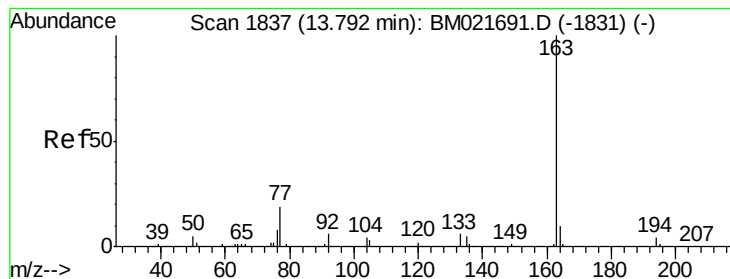
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.8	78.6	118.0
200	31.7	24.7	37.1



#41
 2-Chloronaphthalene
 Concen: 29.324 ng/ul
 RT: 13.20 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BM021693.D
 Acq: 29 Jul 2019 11:18

Tgt Ion	Ratio	Lower	Upper
162	100		
164	33.0	26.1	39.1
127	36.7	30.3	45.5





#44

Dimethylphthalate

Concen: 42.009 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

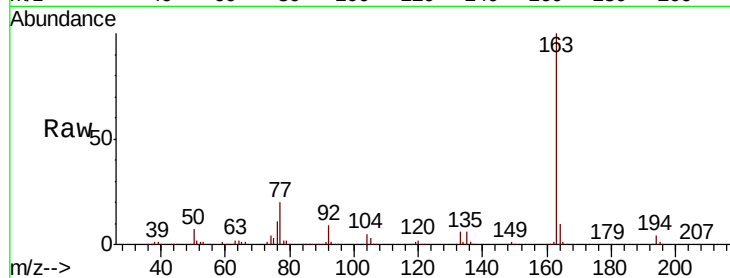
Tot Ion:163 Resp: 1288981

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

164 10.5 8.1 12.1

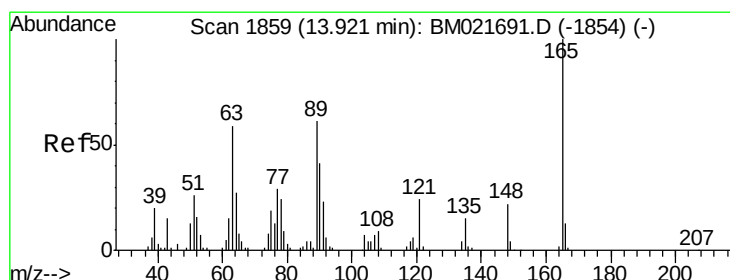
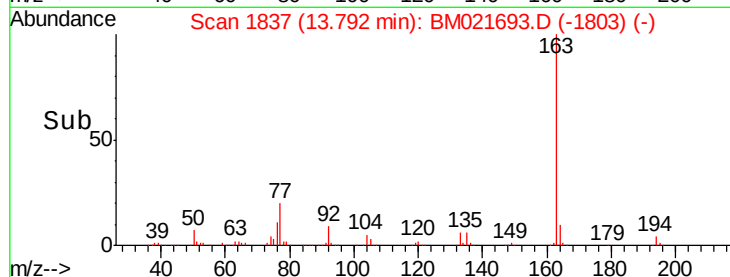
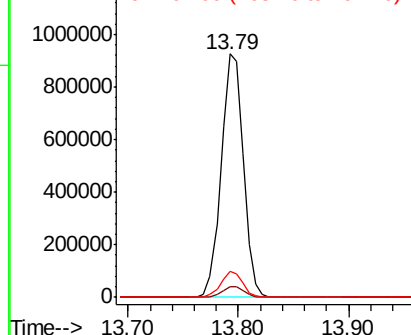


Abundance

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



#45

2,6-Dinitrotoluene

Concen: 21.791 ng/ul

RT: 13.93 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

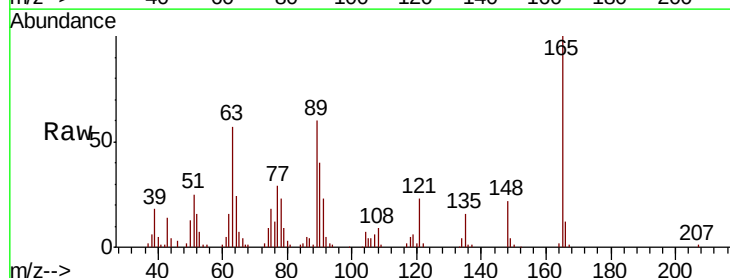
Tgt Ion:165 Resp: 111277

Ion Ratio Lower Upper

165 100

89 60.0 48.3 72.5

121 23.4 18.1 27.1

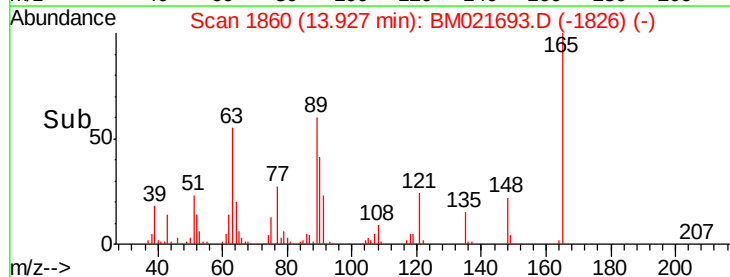
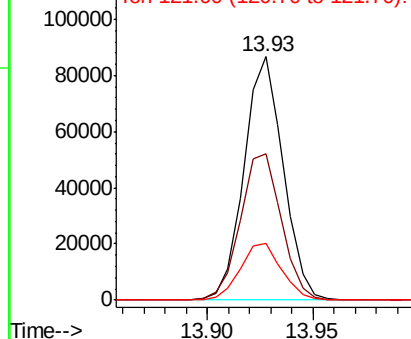


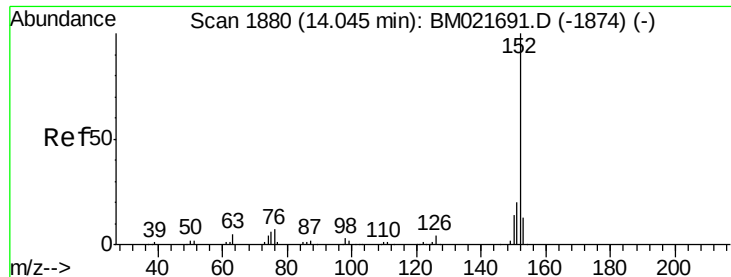
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 25.304 ng/ul

RT: 14.05 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

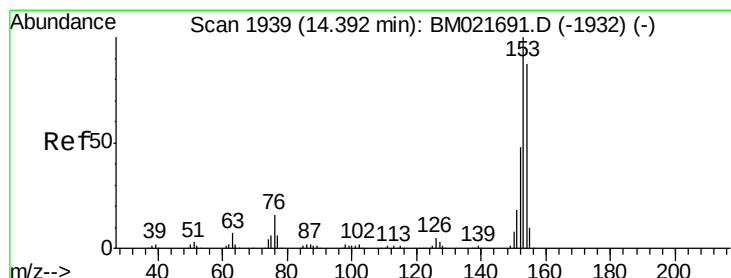
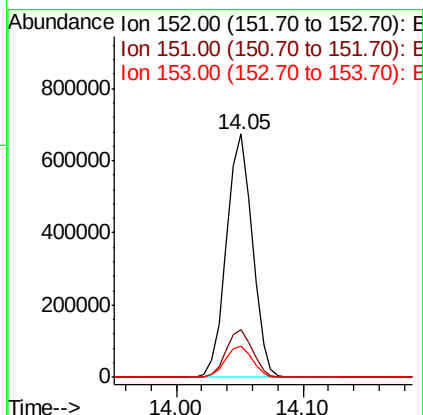
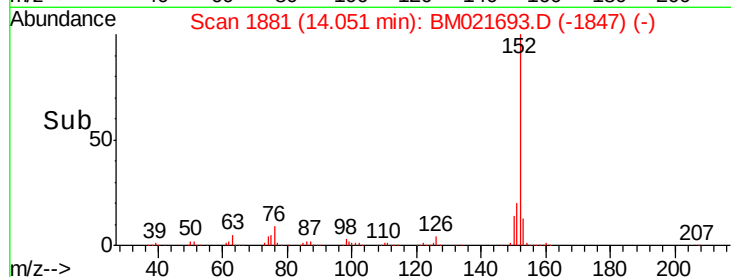
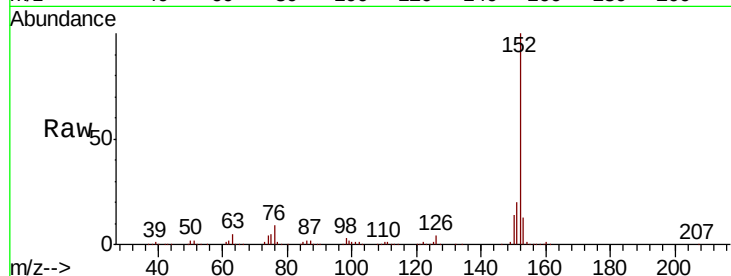
Tot Ion:152 Resp: 952624

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

153 12.7 10.4 15.6



#49

Acenaphthene

Concen: 22.032 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

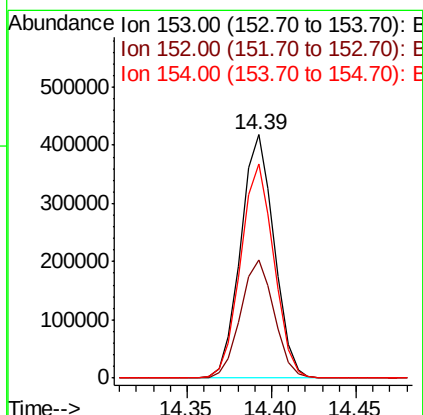
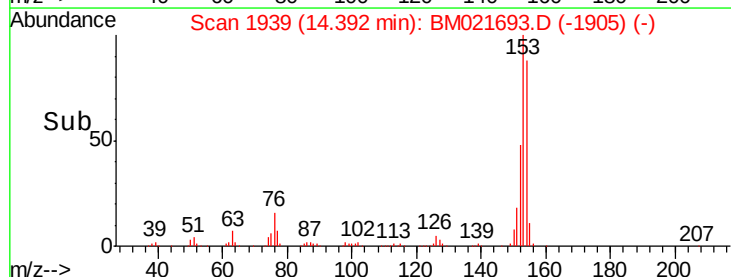
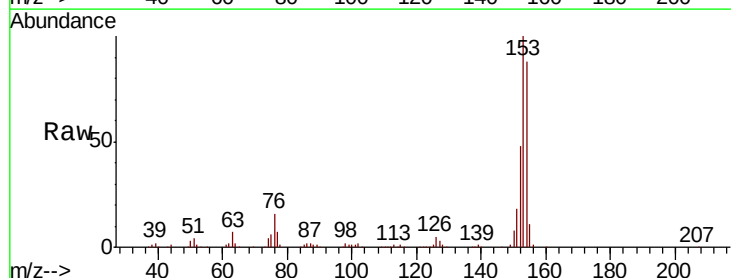
Tgt Ion:153 Resp: 578245

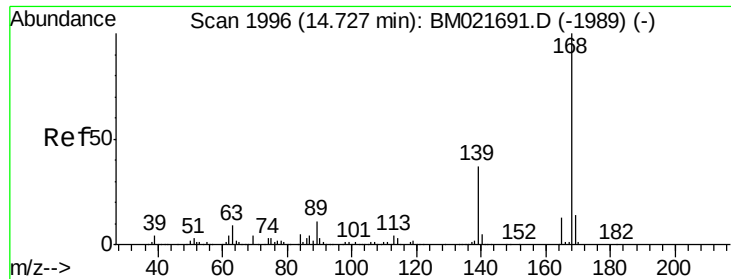
Ion Ratio Lower Upper

153 100

152 48.5 38.7 58.1

154 88.0 69.2 103.8





#53

Dibenzofuran

Concen: 24.717 ng/ul

RT: 14.73 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

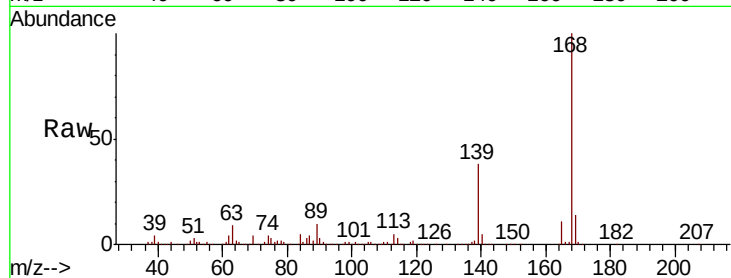
A52S6

Tot Ion:168 Resp: 953078

Ion Ratio Lower Upper

168 100

139 37.6 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.73

800000

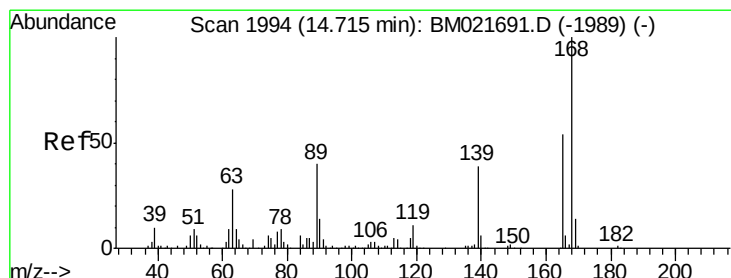
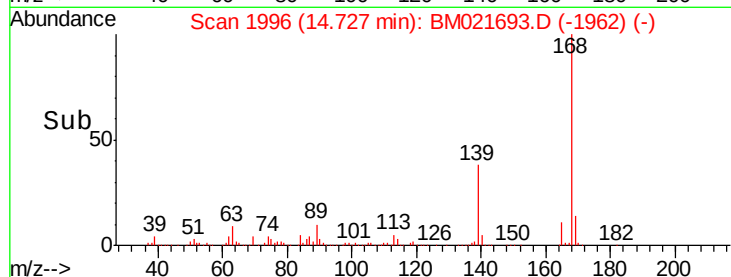
600000

400000

200000

0

Time--> 14.70 14.80



#54

2,4-Dinitrotoluene

Concen: 17.831 ng/ul

RT: 14.72 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

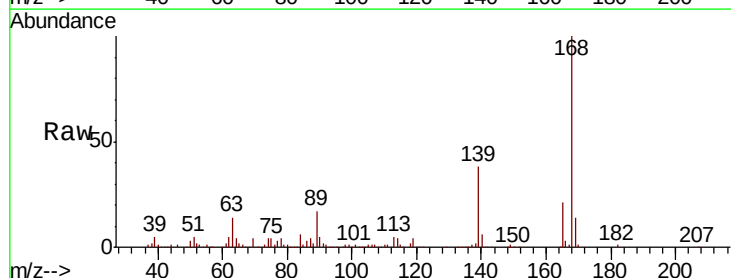
Tgt Ion:165 Resp: 142526

Ion Ratio Lower Upper

165 100

63 66.5 42.7 64.1#

182 2.9 2.3 3.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

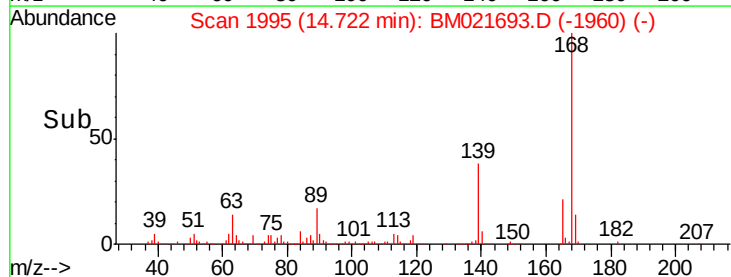
14.72

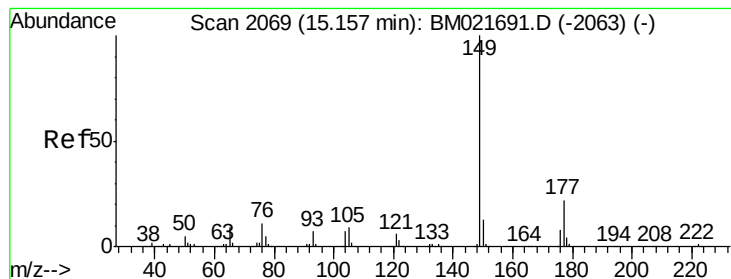
100000

50000

0

Time--> 14.65 14.70 14.75 14.80





#56

Diethylphthalate

Concen: 29.523 ng/ul

RT: 15.16 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

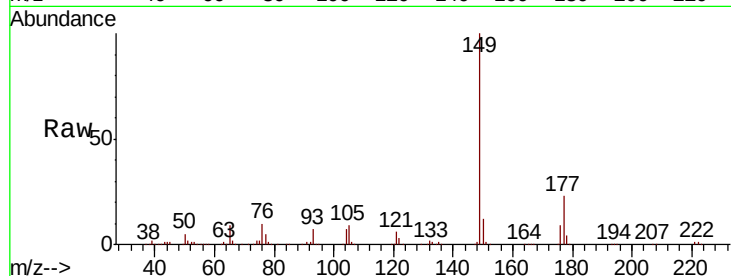
Tot Ion:149 Resp: 857087

Ion Ratio Lower Upper

149 100

177 22.8 17.8 26.8

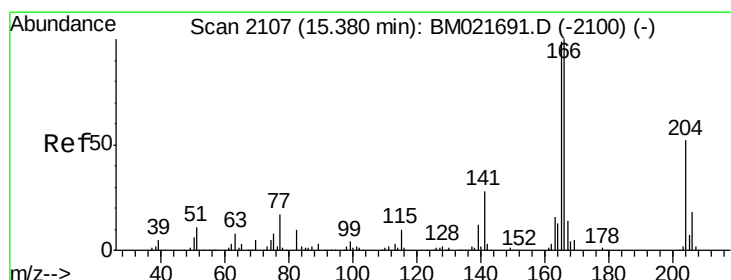
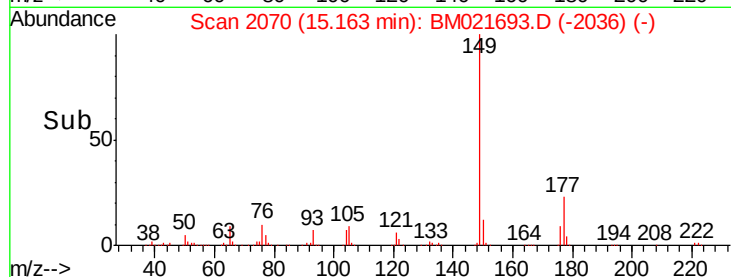
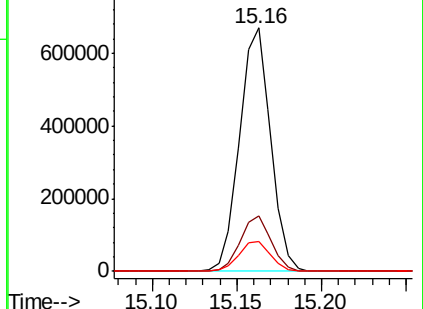
150 12.3 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 26.178 ng/ul

RT: 15.38 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

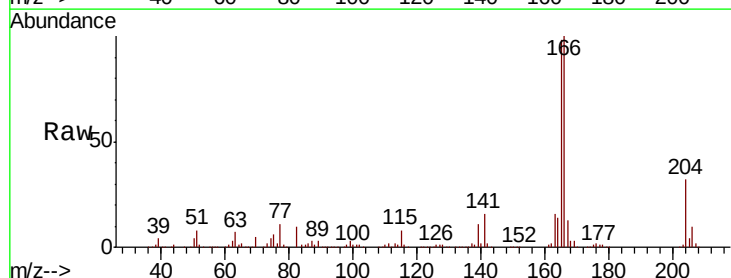
Tgt Ion:166 Resp: 807150

Ion Ratio Lower Upper

166 100

165 98.0 79.0 118.6

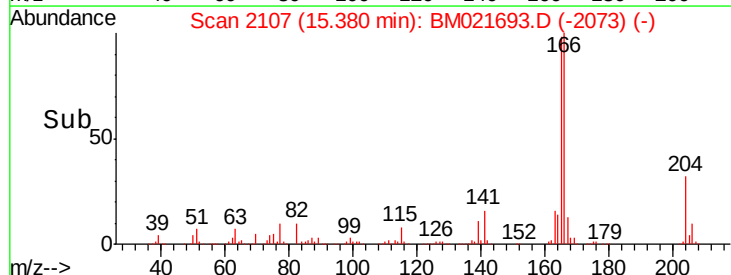
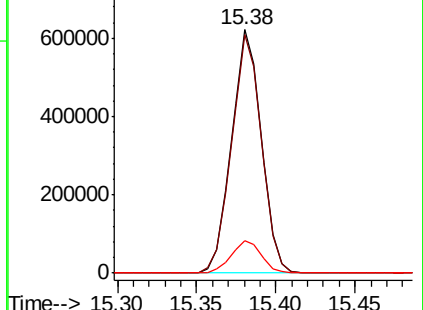
167 13.4 10.8 16.2

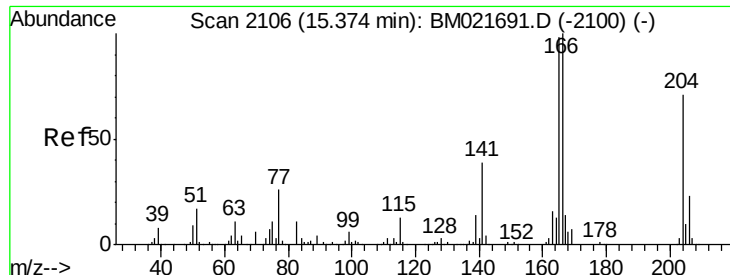


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

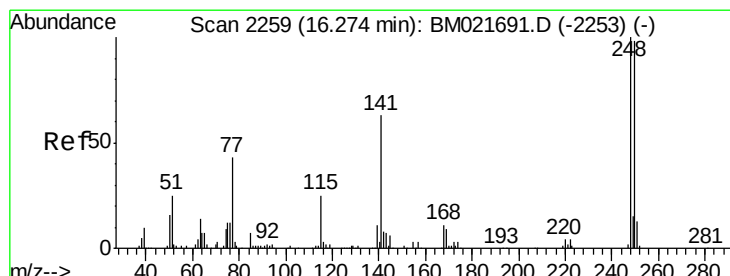
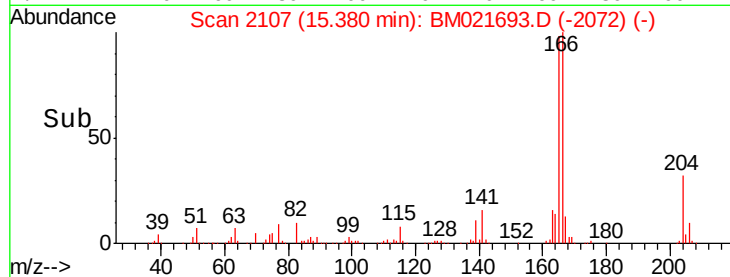
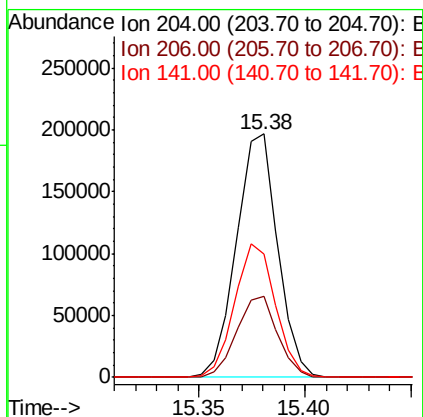
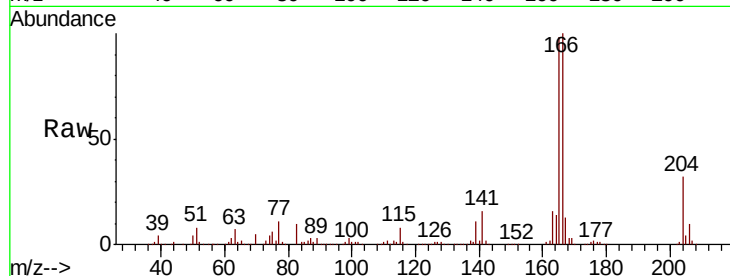




#59
 4-Chlorophenyl-phenylether
 Concen: 15.473 ng/ul
 RT: 15.38 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: BM021693.D
 Acq: 29 Jul 2019 11:18

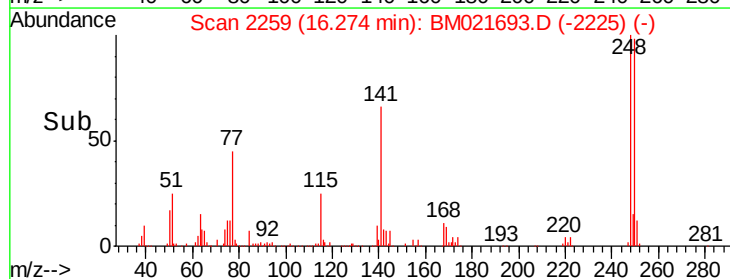
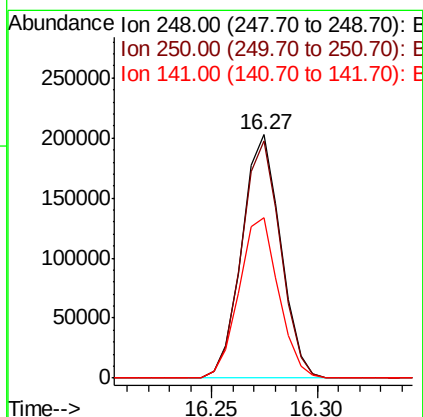
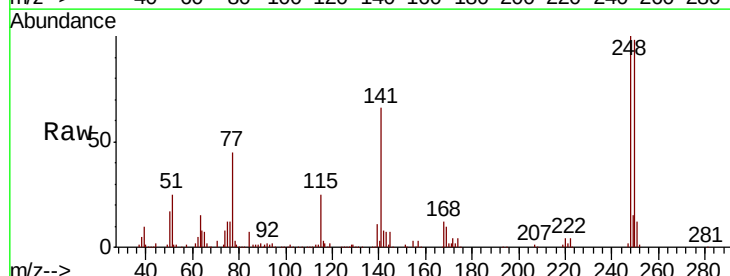
Instrument :
 BNA_M
 ClientSampleId :
 A52S6

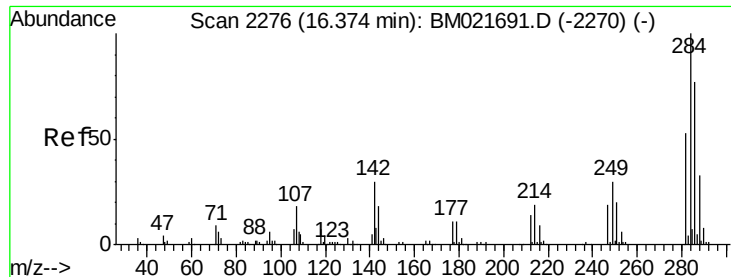
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.4	39.6
141	50.5	44.2	66.4



#65
 4-Bromophenyl-phenylether
 Concen: 22.819 ng/ul
 RT: 16.27 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: BM021693.D
 Acq: 29 Jul 2019 11:18

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	118.0
141	65.9	52.3	78.5

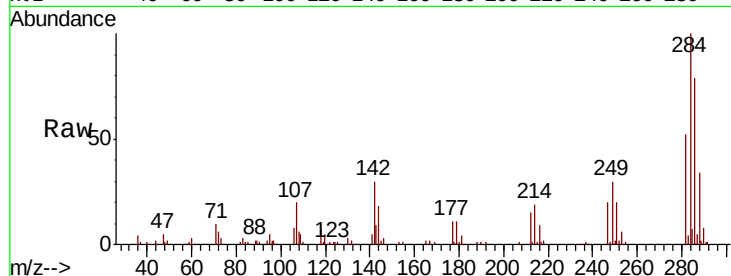




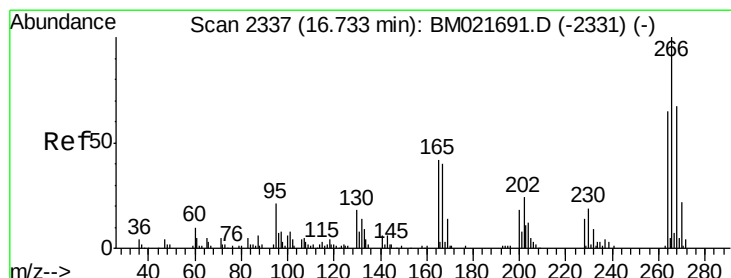
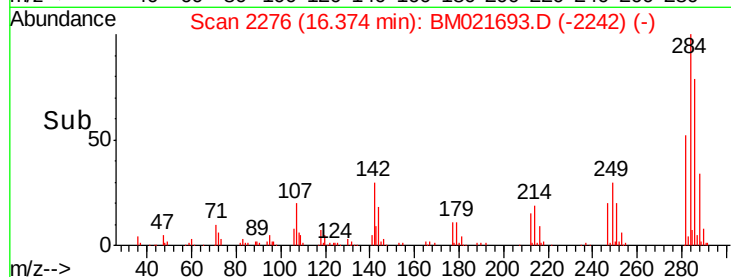
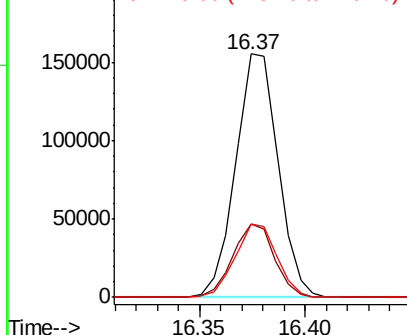
#66
Hexachlorobenzene
Concen: 16.360 ng/ul
RT: 16.37 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Instrument :
BNA_M
ClientSampleId :
A52S6

Tot Ion	Ratio	Lower	Upper
284	100		
142	30.2	25.1	37.7
249	30.0	24.6	36.8

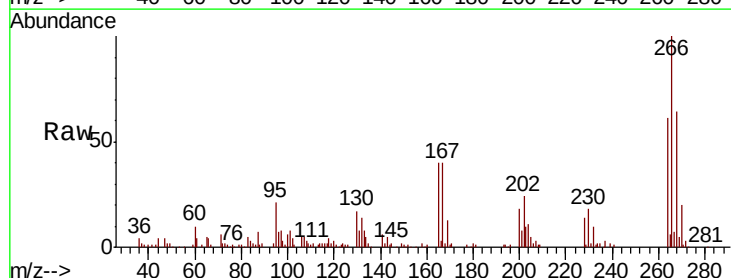


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

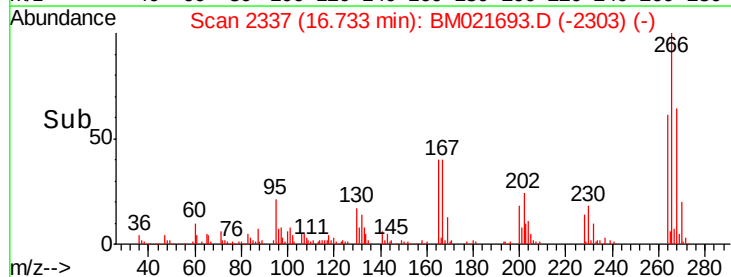
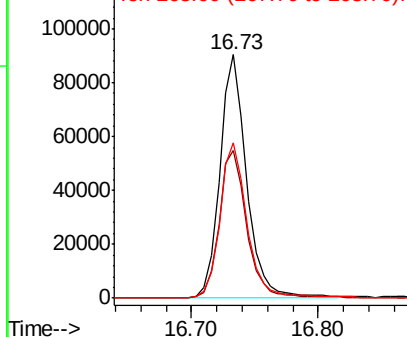


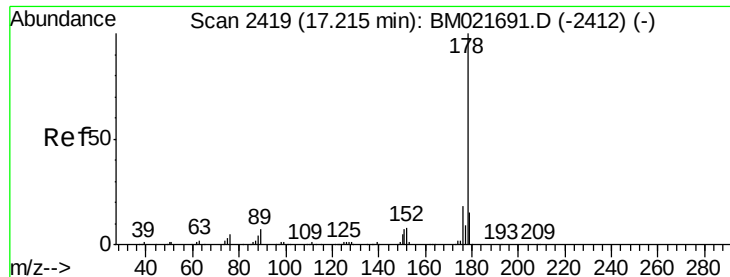
#68
Pentachlorophenol
Concen: 17.319 ng/ul
RT: 16.73 min Scan# 2337
Delta R.T. 0.00 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.7	48.2	72.2
268	63.7	51.0	76.6



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

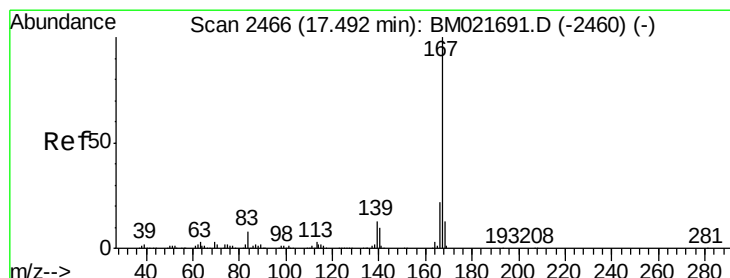
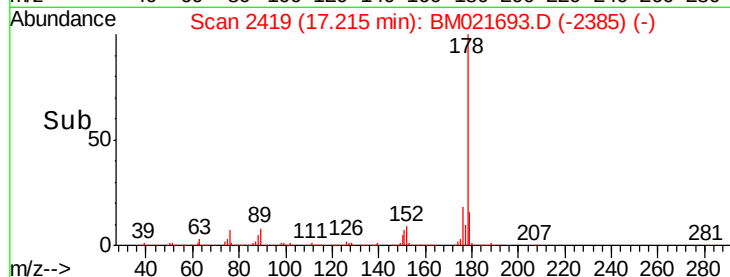
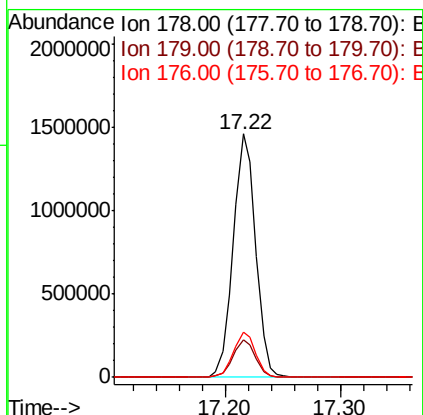
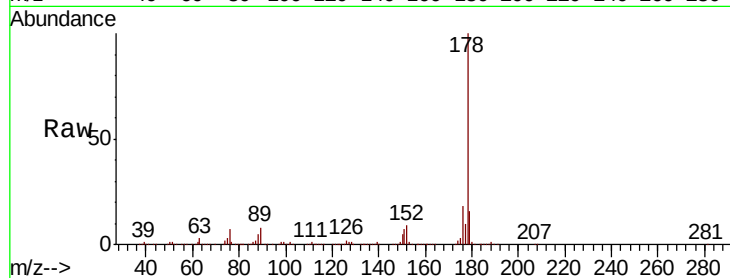




#71
 Anthracene
 Concen: 37.996 ng/ul
 RT: 17.22 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM021693.D
 Acq: 29 Jul 2019 11:18

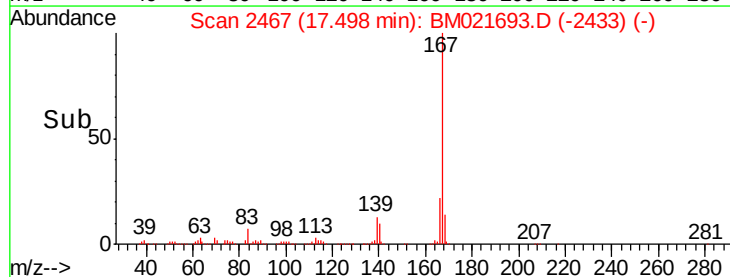
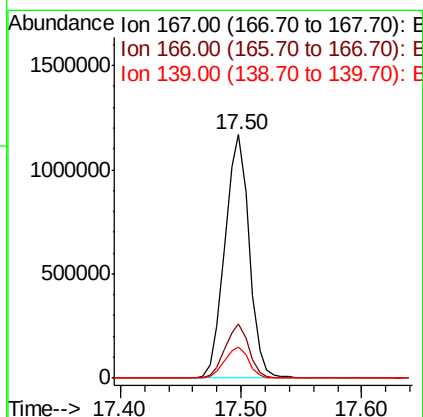
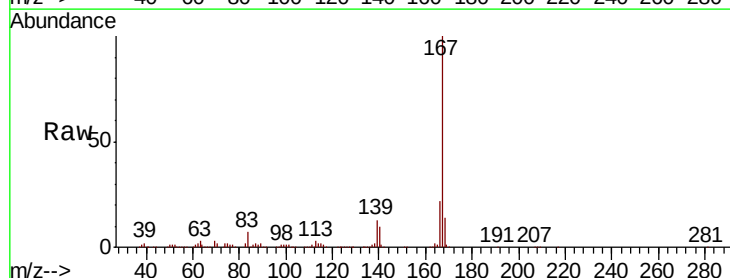
Instrument :
 BNA_M
 ClientSampleId :
 A52S6

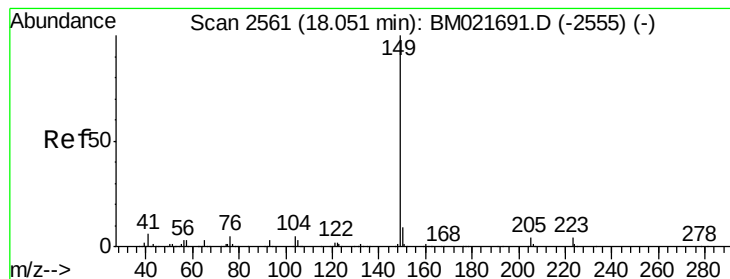
Tot Ion:178 Resp: 1963127
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 18.4 14.8 22.2



#74
 Carbazole
 Concen: 38.098 ng/ul
 RT: 17.50 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: BM021693.D
 Acq: 29 Jul 2019 11:18

Tgt Ion:167 Resp: 1629706
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.4
 139 12.8 10.0 15.0





#75

Di-n-butylphthalate

Concen: 35.063 ng/ul

RT: 18.05 min Scan# 2561

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampleId :

A52S6

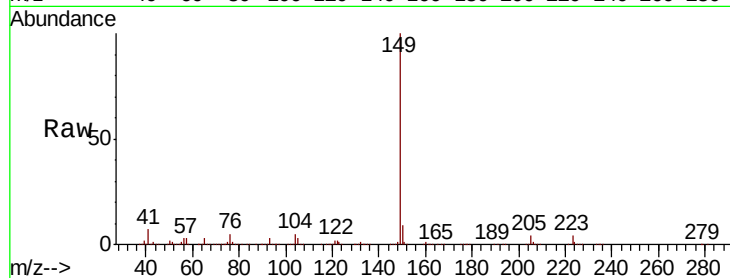
Tot Ion:149 Resp: 1654524

Ion Ratio Lower Upper

149 100

150 9.2 7.1 10.7

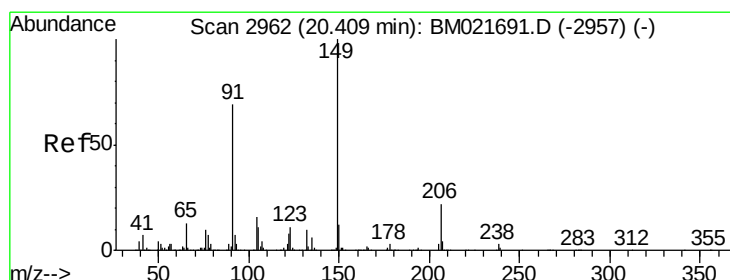
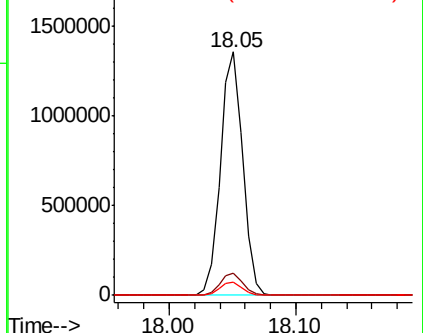
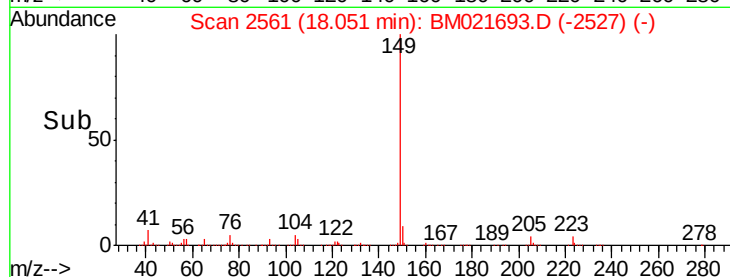
104 5.4 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#80

Butylbenzylphthalate

Concen: 47.970 ng/ul

RT: 20.42 min Scan# 2963

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

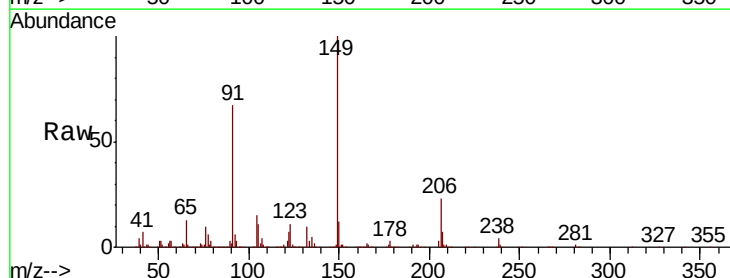
Tgt Ion:149 Resp: 743500

Ion Ratio Lower Upper

149 100

91 66.7 53.4 80.0

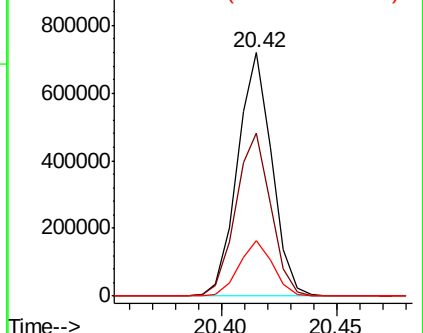
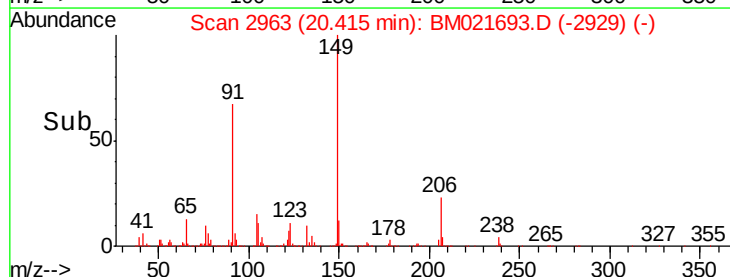
206 22.6 17.9 26.9

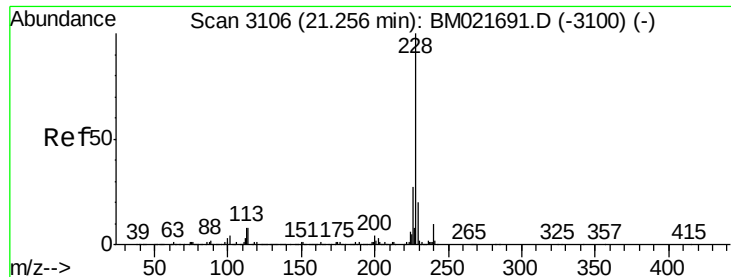


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

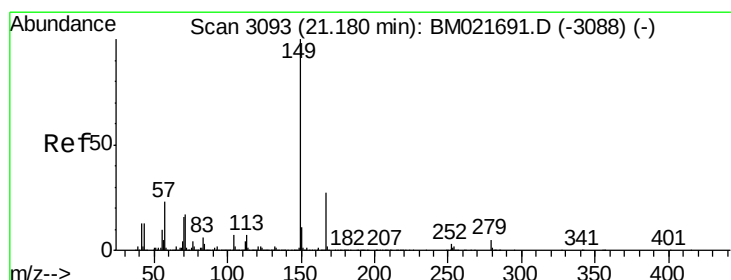
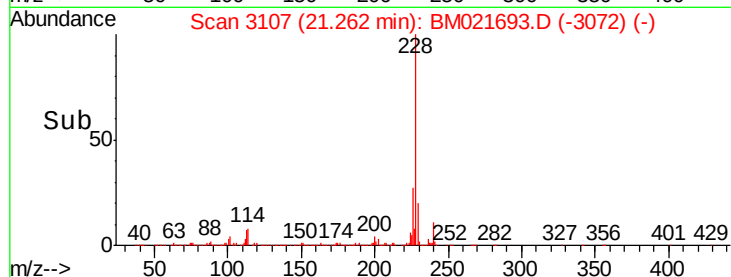
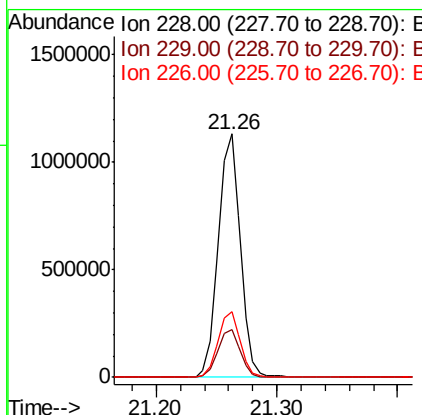
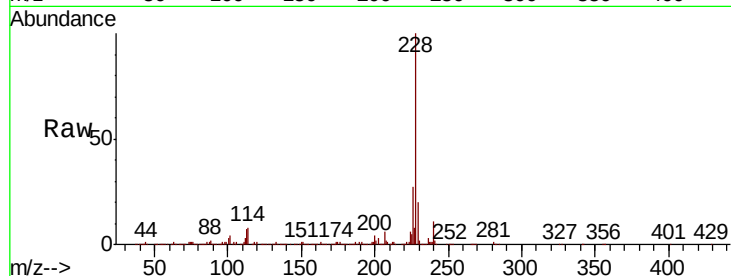




#82
Benzo(a)anthracene
Concen: 29.069 ng/ul
RT: 21.26 min Scan# 3107
Delta R.T. 0.01 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

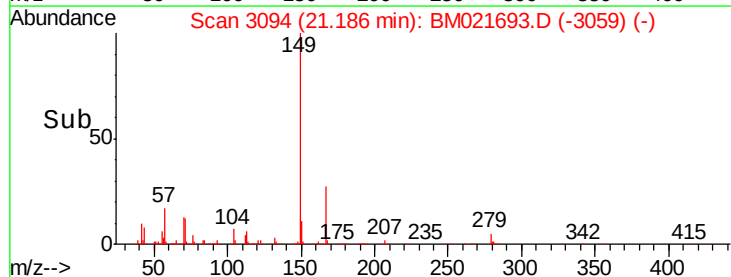
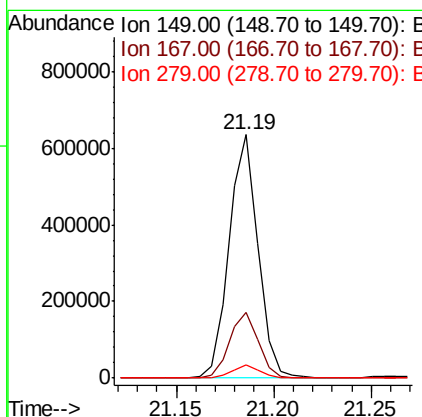
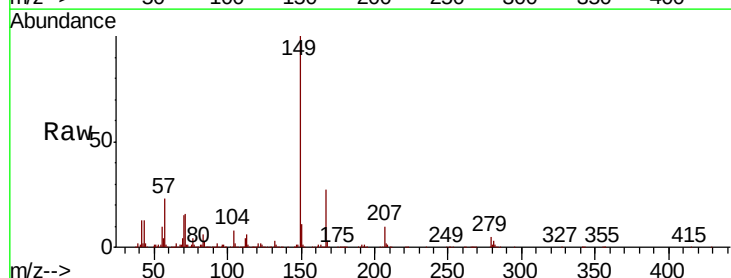
Instrument :
BNA_M
ClientSampleId :
A52S6

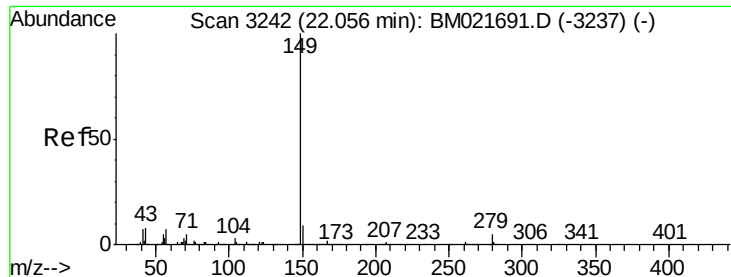
Tot Ion:228 Resp: 1425311
Ion Ratio Lower Upper
228 100
229 19.6 15.7 23.5
226 27.0 21.4 32.2



#83
Bis(2-ethylhexyl)phthalate
Concen: 29.105 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.01 min
Lab File: BM021693.D
Acq: 29 Jul 2019 11:18

Tgt Ion:149 Resp: 649429
Ion Ratio Lower Upper
149 100
167 27.2 21.6 32.4
279 5.3 3.8 5.6





#86

Di-n-octyl phthalate

Concen: 53.312 ng/ul

RT: 22.06 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

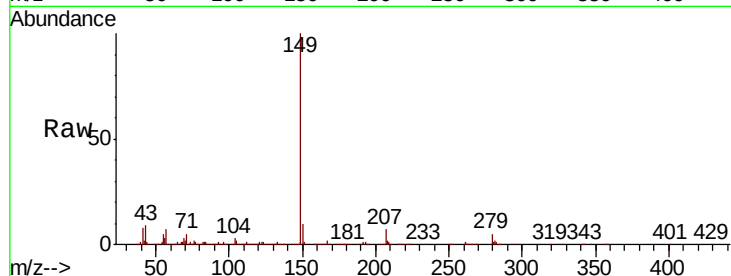
Instrument :

BNA_M

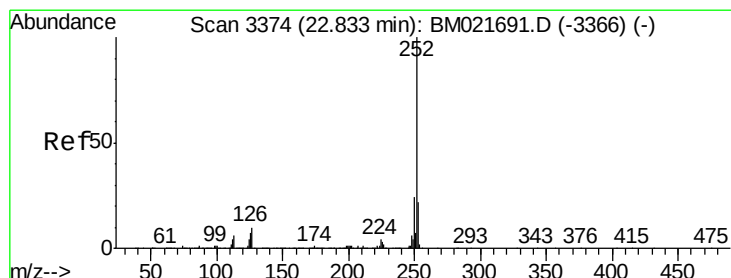
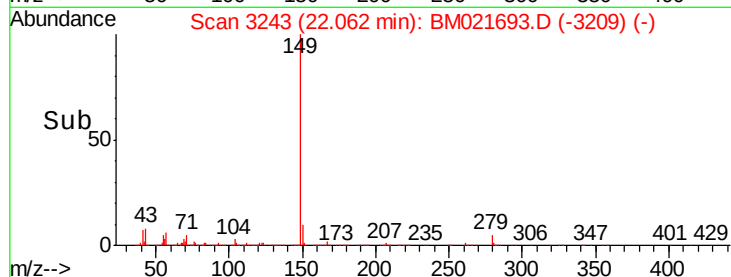
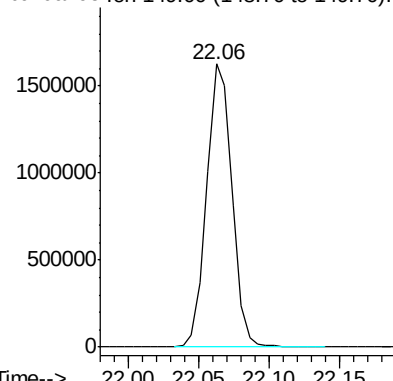
ClientSampleId :

A52S6

Tgt Ion:149 Resp: 2013292



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 15.677 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

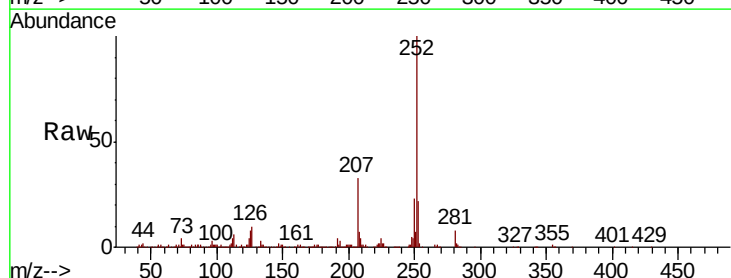
Tgt Ion:252 Resp: 682478

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

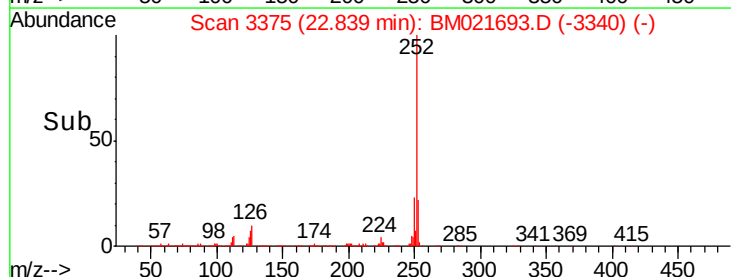
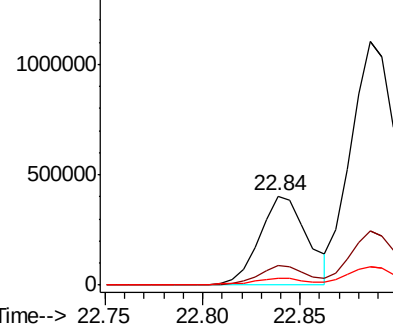
125 7.7 6.3 9.5

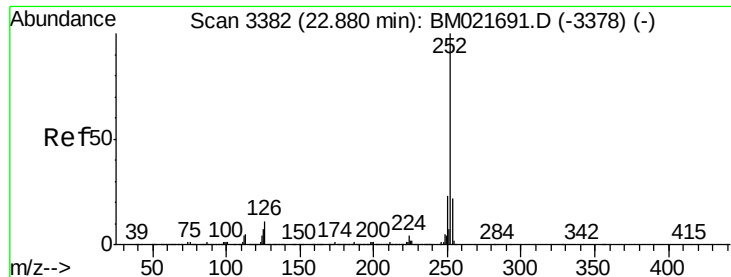


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 41.789 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. 0.01 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

Instrument :

BNA_M

ClientSampled :

A52S6

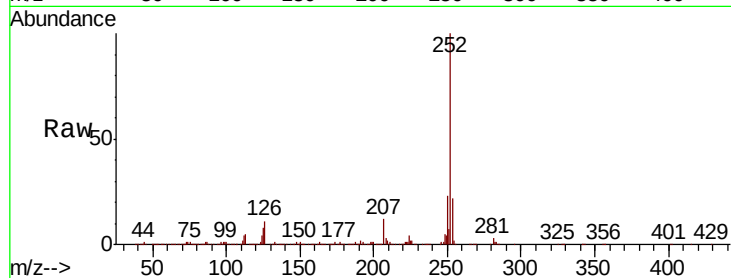
Tot Ion:252 Resp: 1778495

Ion Ratio Lower Upper

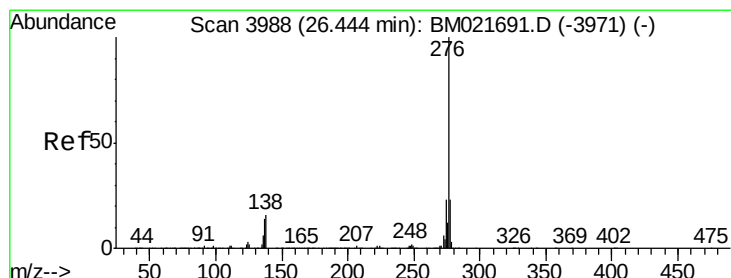
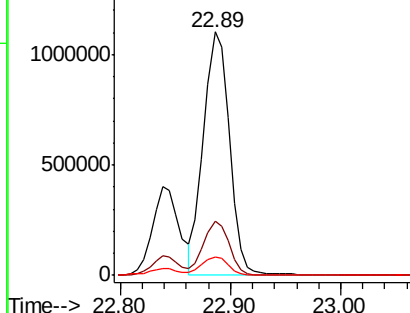
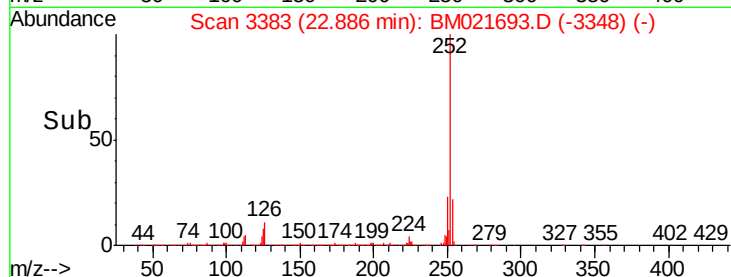
252 100

253 22.1 17.7 26.5

125 7.6 6.3 9.5



Abundance Ion 252.00 (251.70 to 252.70): E
1500000
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#93

Benzo(g,h,i)perylene

Concen: 26.230 ng/ul

RT: 26.46 min Scan# 3990

Delta R.T. 0.01 min

Lab File: BM021693.D

Acq: 29 Jul 2019 11:18

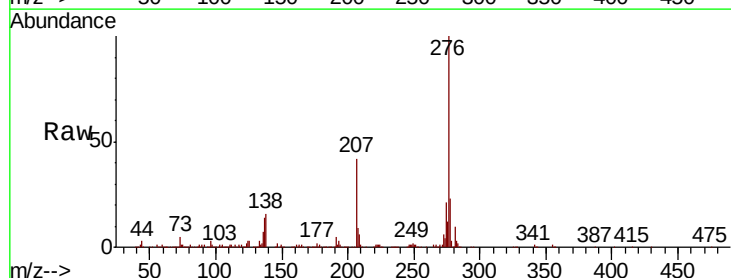
Tgt Ion:276 Resp: 1030846

Ion Ratio Lower Upper

276 100

138 16.0 13.1 19.7

277 23.5 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E
400000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

