

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111218\
 Data File : BF110695.D
 Acq On : 13 Nov 2018 00:44
 Operator : JU/SJ
 Sample : J5907-07 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Quant Time: Nov 13 05:42:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	86834	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	351204	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	146794	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	227011	20.00	ng	0.00
76) Chrysene-d12	14.13	240	162924	20.00	ng	0.00
87) Perylene-d12	15.66	264	127604	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	92301	17.27	ng	0.00
7) Phenol-d6	6.56	99	124633	18.23	ng	-0.01
23) Nitrobenzene-d5	7.51	82	73927	12.12	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	17188	11.62	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	143768	13.99	ng	0.00
79) Terphenyl-d14	13.06	244	99309	11.42	ng	-0.01

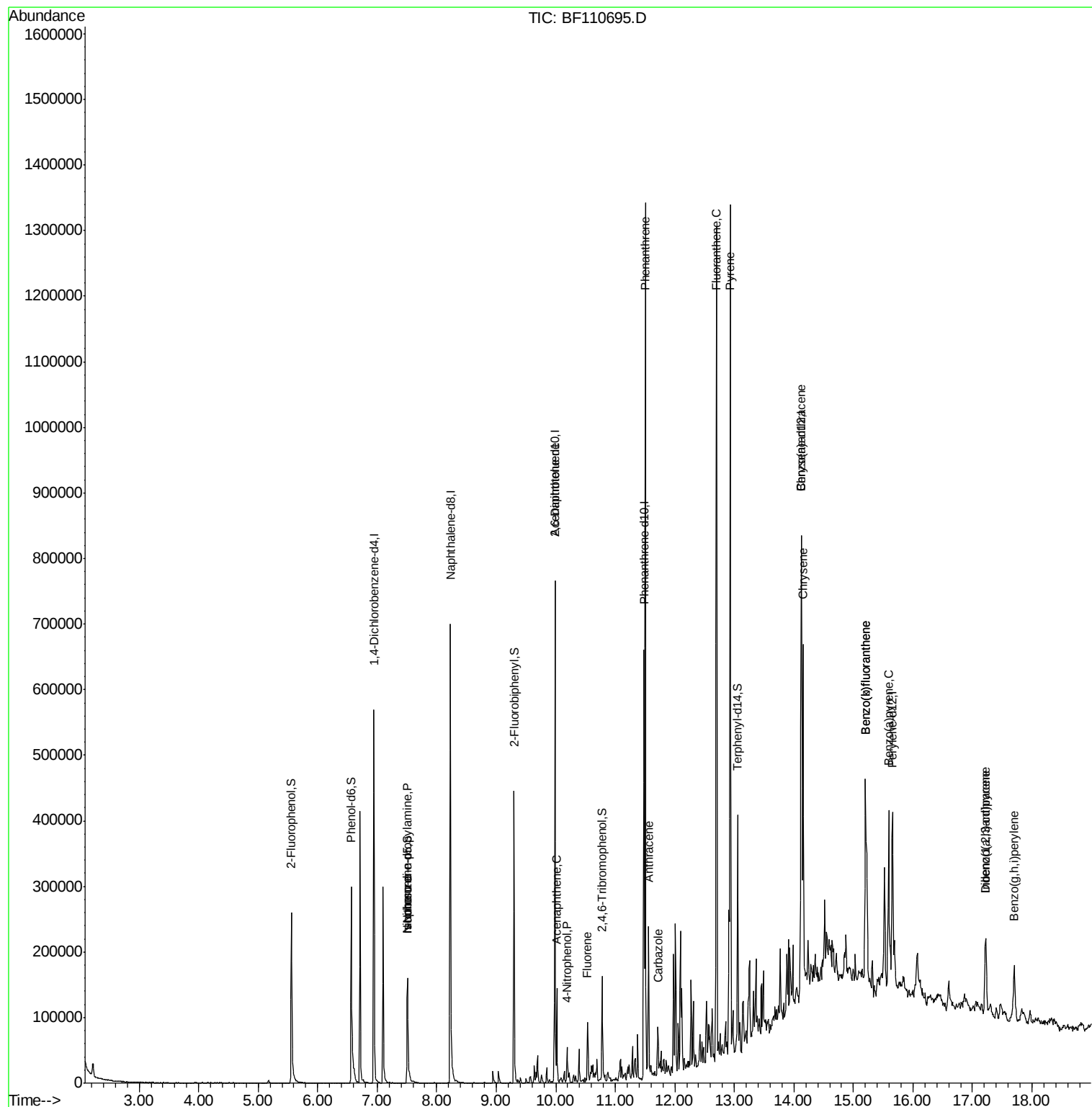
Target Compounds				Qvalue		
9) Benzaldehyde	6.71	77	2270	Below Cal	#	72
19) n-Nitroso-di-n-propylamine	7.51	70	9130	2.092 ng	#	85
25) Isophorone	7.51	82	73927	7.396 ng	#	67
51) 2,6-Dinitrotoluene	9.99	165	19397	8.050 ng	#	21
52) Acenaphthene	10.02	154	29790	3.318 ng		98
56) 4-Nitrophenol	10.19	139	8773	4.737 ng	#	6
58) Fluorene	10.54	166	29018	2.876 ng		96
71) Phenanthrene	11.50	178	474981	39.054 ng		99
72) Anthracene	11.56	178	93976	7.660 ng		98
73) Carbazole	11.72	167	24374	2.069 ng		98
75) Fluoranthene	12.70	202	507051	41.584 ng		99
78) Pyrene	12.93	202	523363	41.720 ng		99
81) Benzo(a)anthracene	14.12	228	213740	21.949 ng		99
83) Chrysene	14.16	228	171527	18.488 ng		98
86) Indeno(1,2,3-cd)pyrene	17.22	276	64006	9.614 ng		98
88) Benzo(b)fluoranthene	15.20	252	218397	28.610 ng	#	97
89) Benzo(k)fluoranthene	15.20	252	218397	28.954 ng	#	96
90) Benzo(a)pyrene	15.59	252	125120	18.040 ng		97
91) Dibenzo(a,h)anthracene	17.23	278	16262	2.771 ng	#	86
92) Benzo(g,h,i)perylene	17.70	276	62700	10.767 ng		97

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

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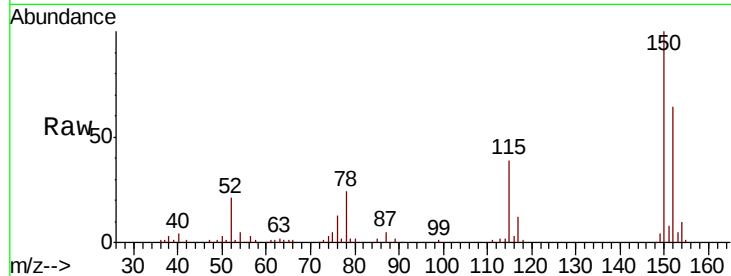


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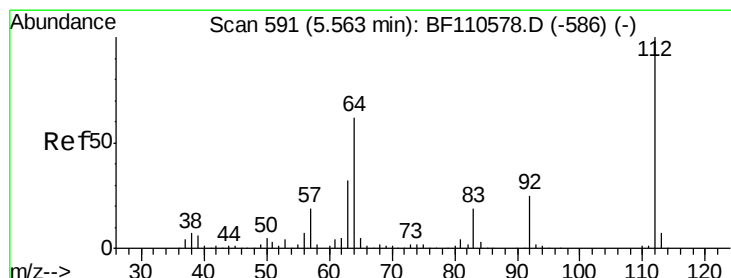
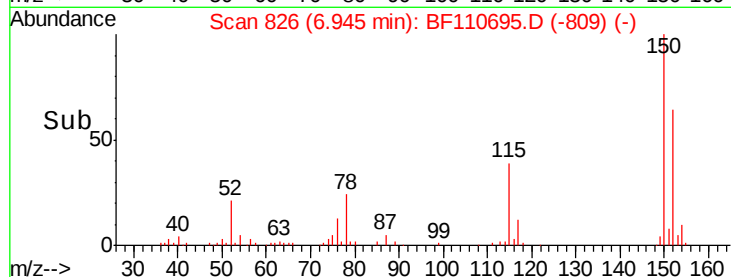
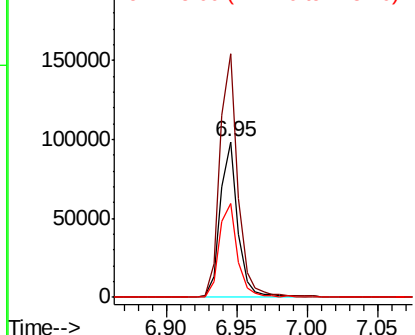
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tgt Ion:152 Resp: 86834
Ion Ratio Lower Upper
152 100
150 156.5 122.7 184.1
115 60.6 49.1 73.7



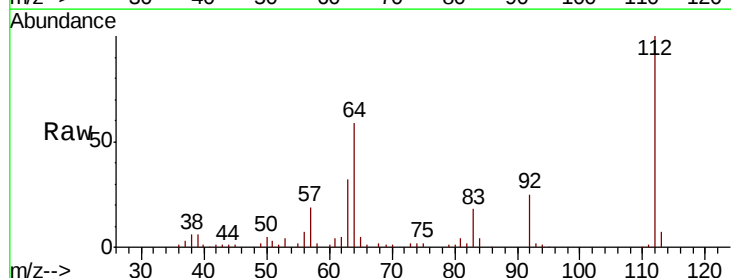
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



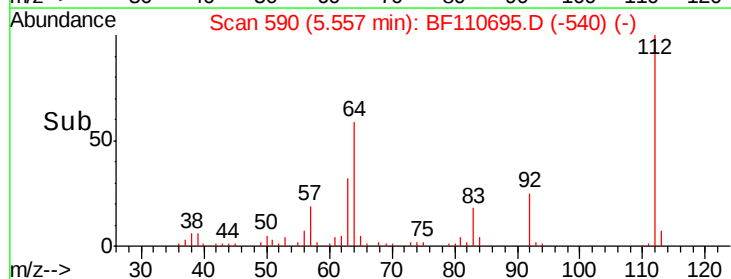
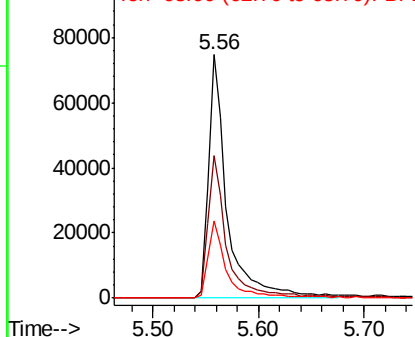
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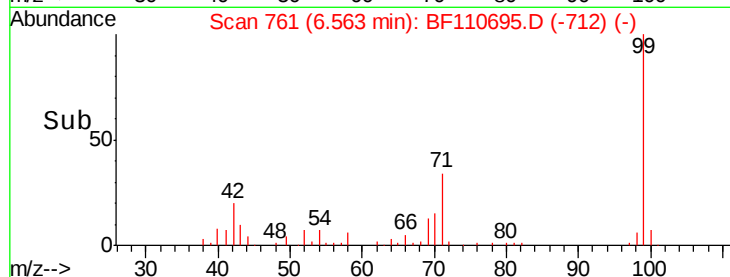
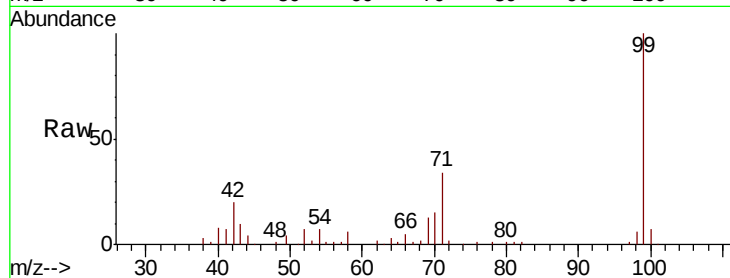
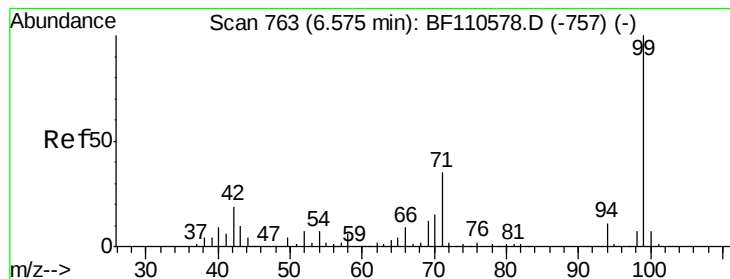
2-Fluorophenol
Concen: 17.266 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:112 Resp: 92301
Ion Ratio Lower Upper
112 100
64 58.8 44.1 66.1
63 31.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.232 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

ClientSampled :

TP-3-S

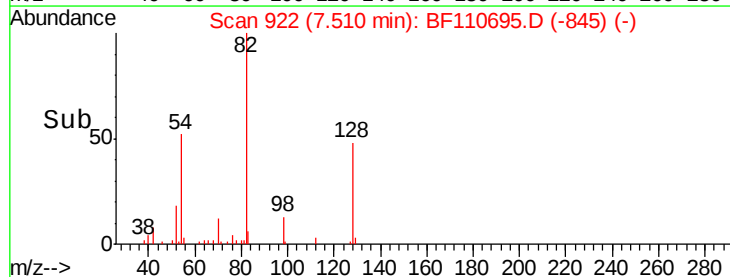
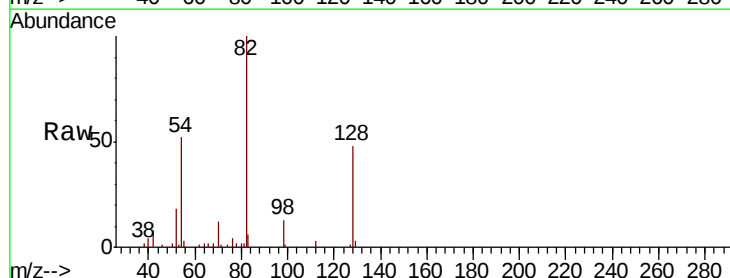
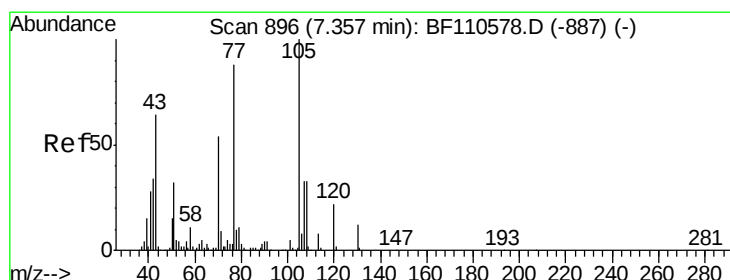
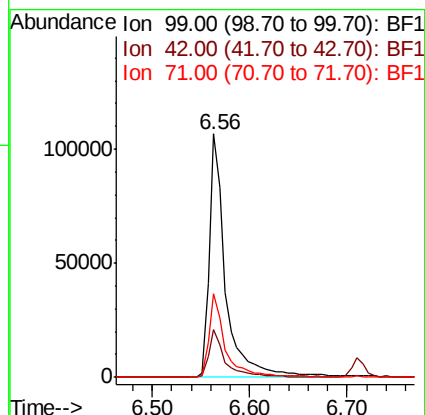
Tgt Ion: 99 Resp: 124633

Ion Ratio Lower Upper

99 100

42 19.8 15.8 23.6

71 34.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.092 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Tgt Ion: 70 Resp: 9130

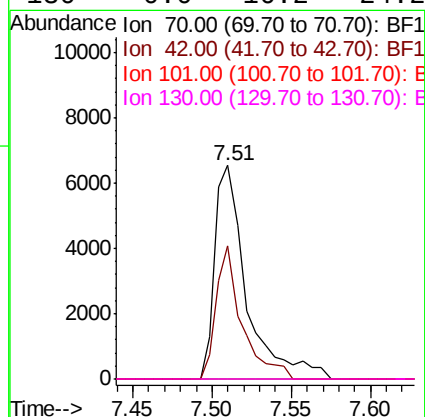
Ion Ratio Lower Upper

70 100

42 62.2 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#

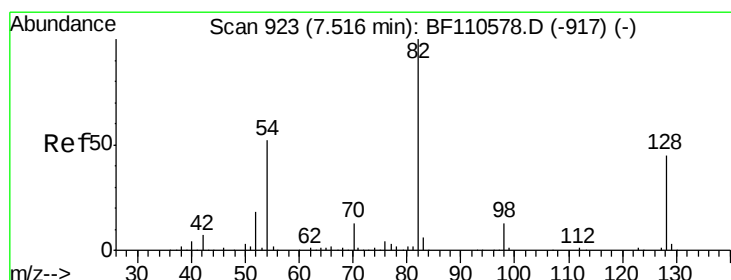
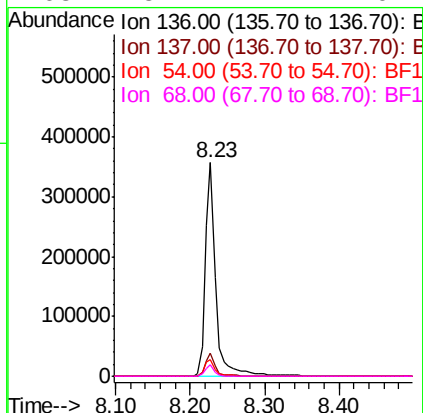
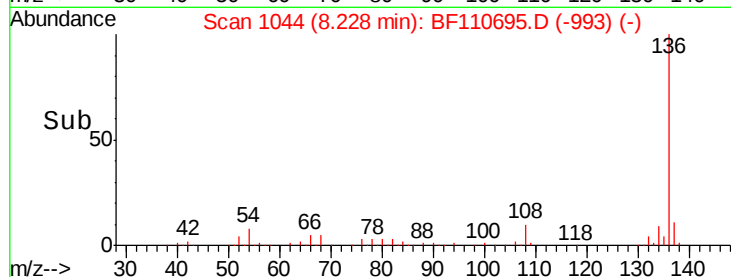
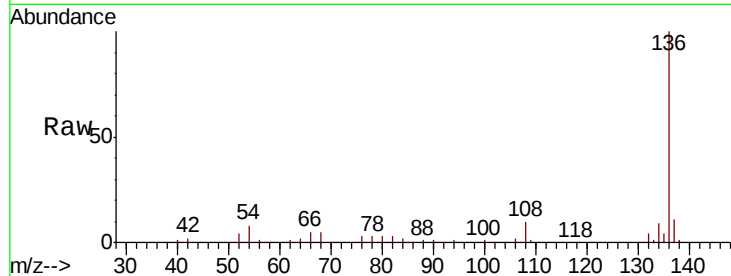




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

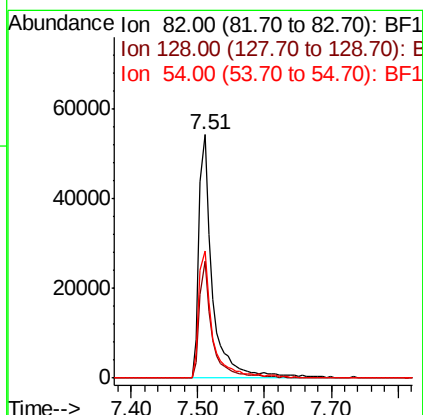
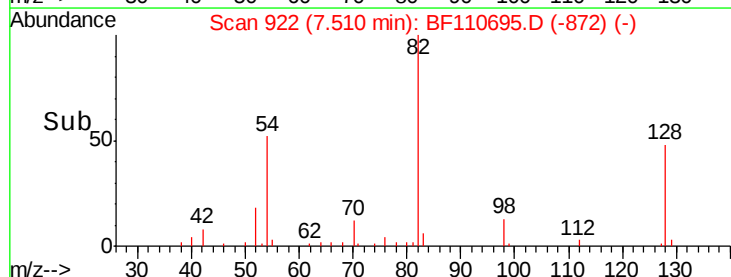
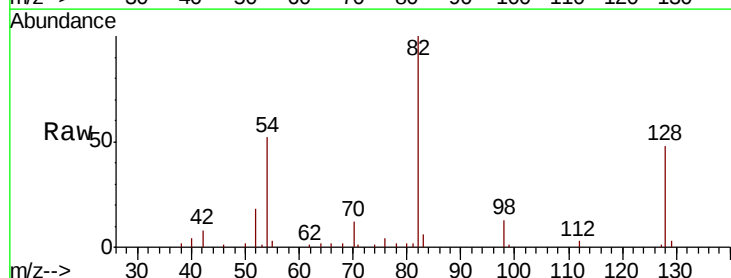
Instrument :
BNA_F
ClientSampleId :
TP-3-S

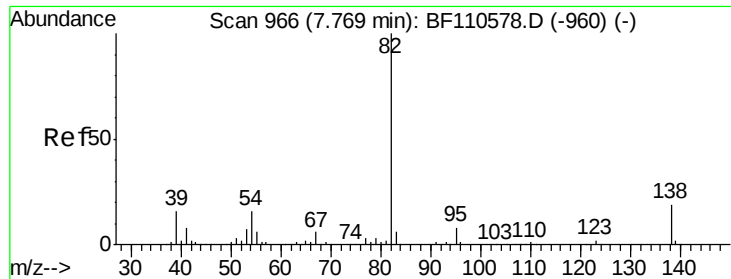
Tgt Ion:	136	Resp:	351204
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.6	5.4	8.2
68	5.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 12.122 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:	82	Resp:	73927
Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.2	51.2
54	52.0	38.6	58.0

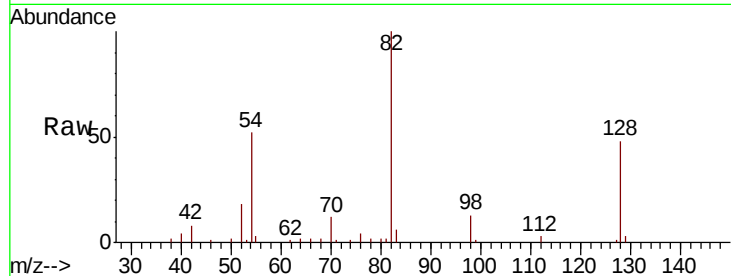




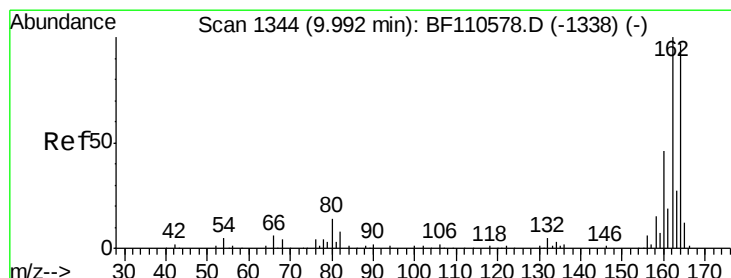
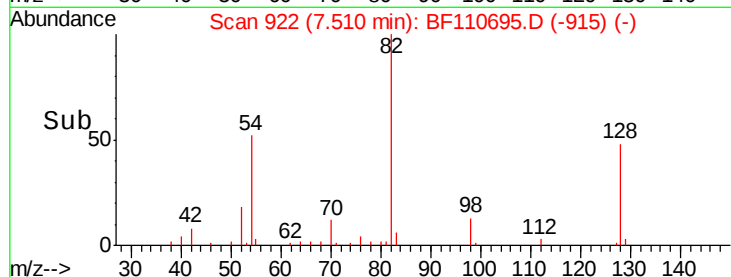
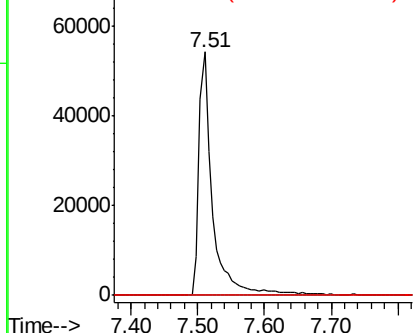
#25
Isophorone
Concen: 7.396 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tgt Ion: 82 Resp: 73927
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

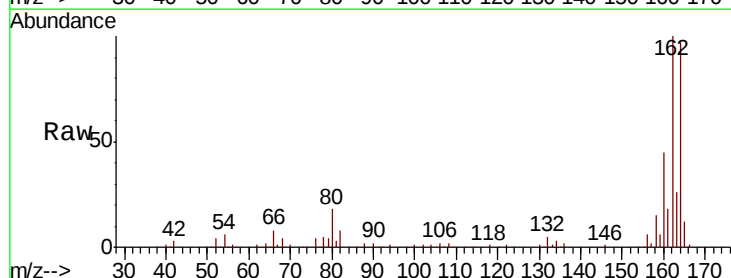


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

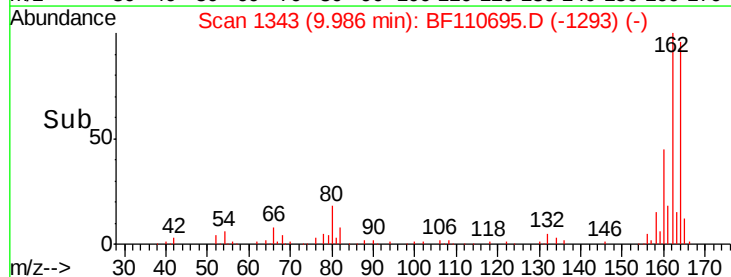
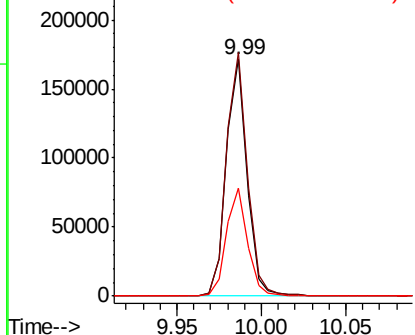


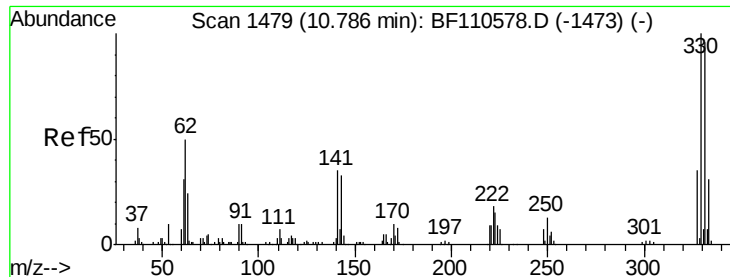
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion: 164 Resp: 146794
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 45.8 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

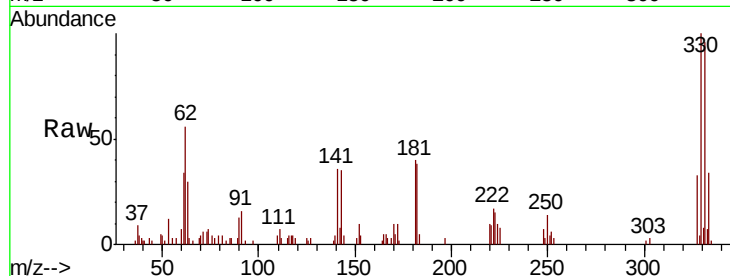




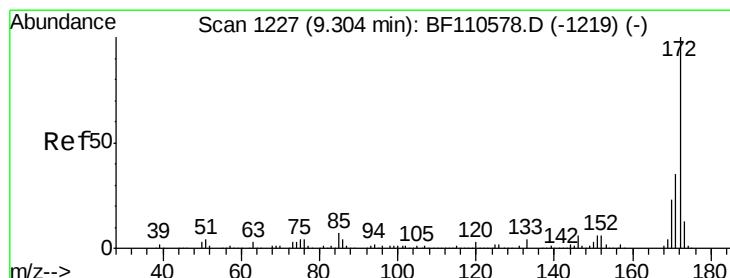
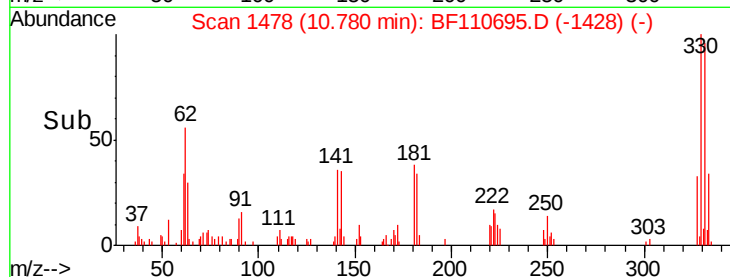
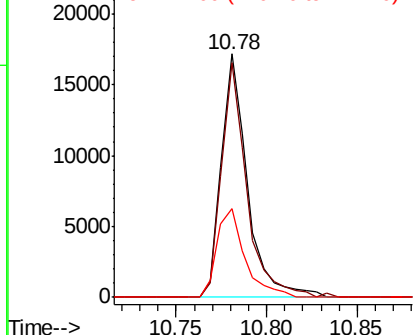
#42
 2,4,6-Tribromophenol
 Concen: 11.620 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Tgt Ion: 330 Resp: 17188
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.1 115.7
 141 39.1 27.0 40.4

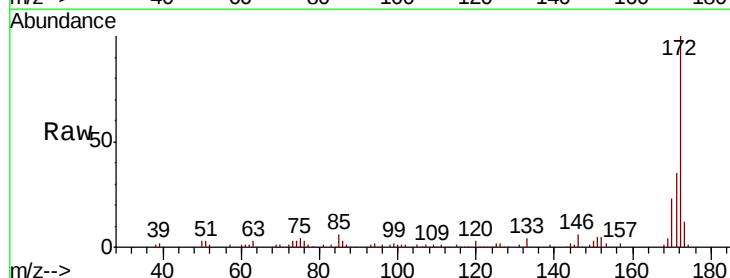


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

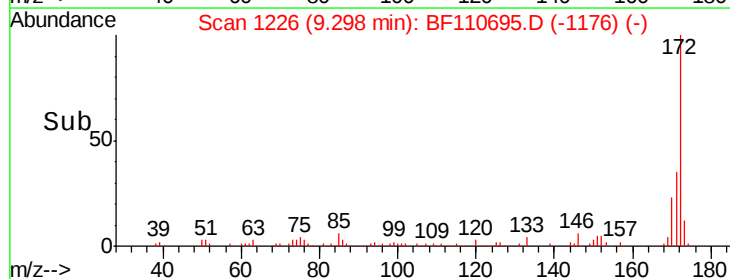
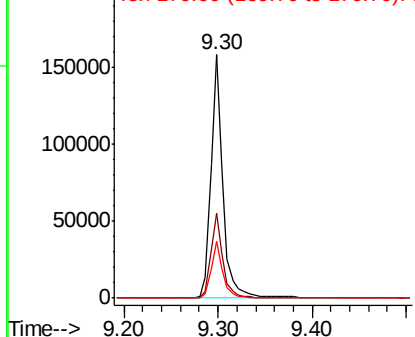


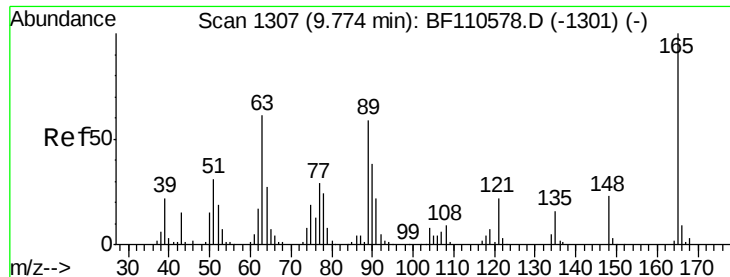
#45
 2-Fluorobiphenyl
 Concen: 13.987 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Tgt Ion: 172 Resp: 143768
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 23.2 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

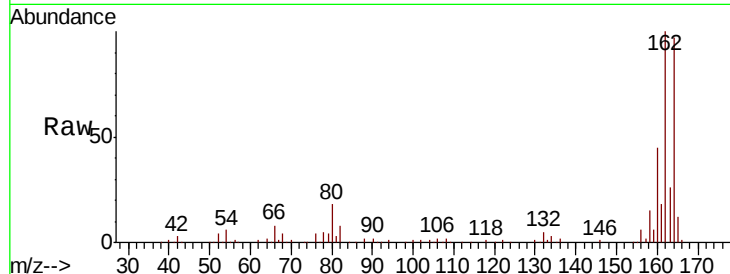




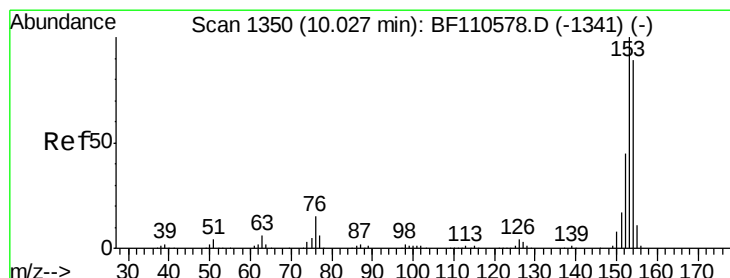
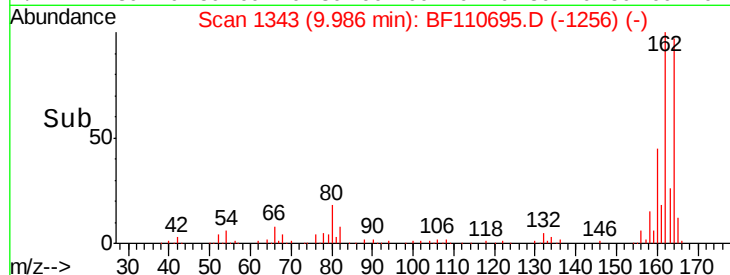
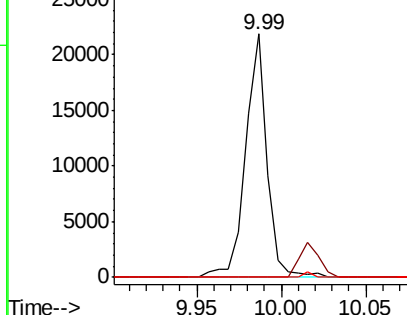
#51
2,6-Dinitrotoluene
Concen: 8.050 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.21 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tgt Ion:165 Resp: 19397
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 0.0 46.6 69.8#

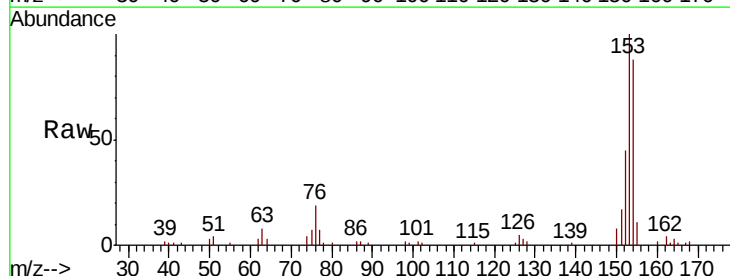


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

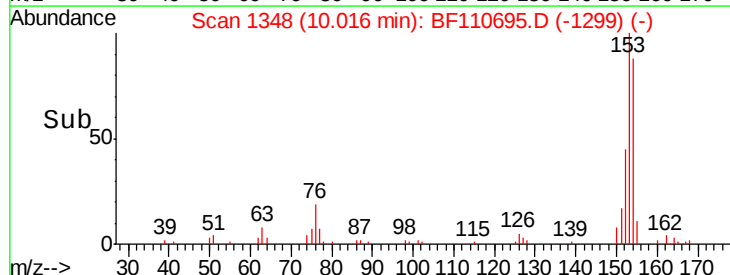
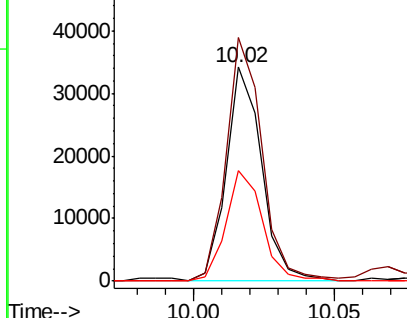


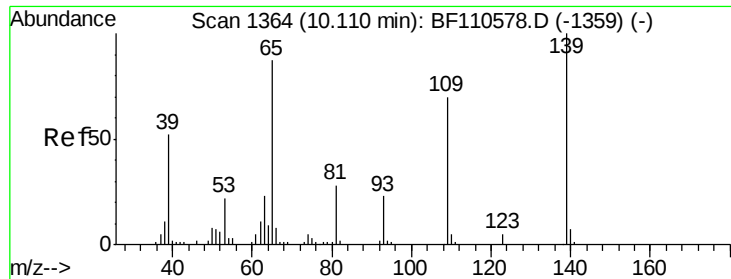
#52
Acenaphthene
Concen: 3.318 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:154 Resp: 29790
Ion Ratio Lower Upper
154 100
153 113.7 90.1 135.1
152 51.6 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

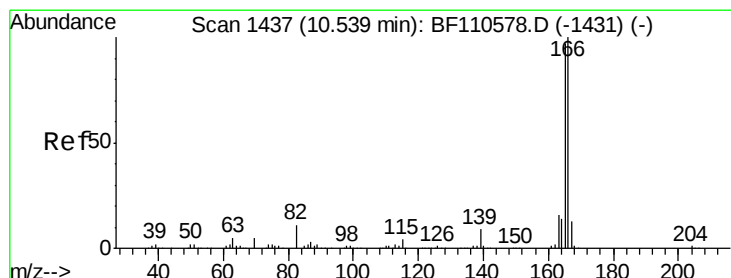
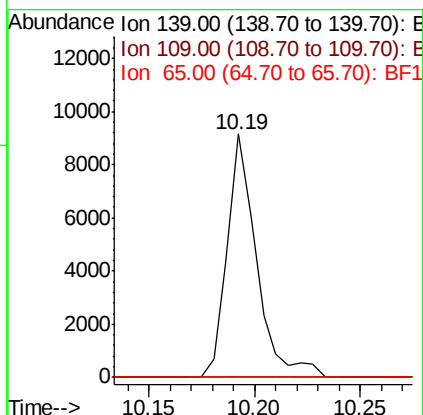
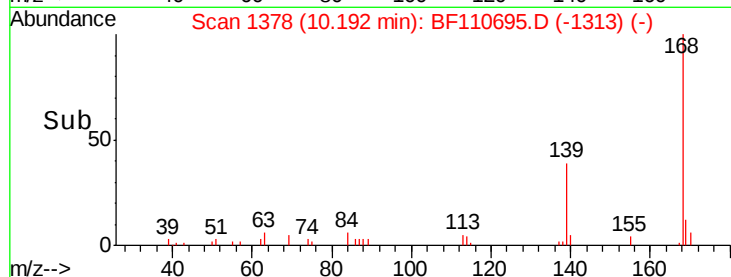
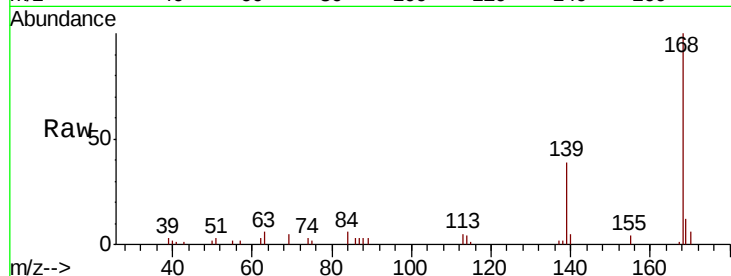




#56
4-Nitrophenol
Concen: 4.737 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

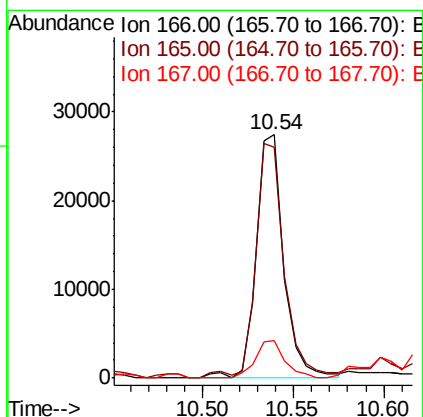
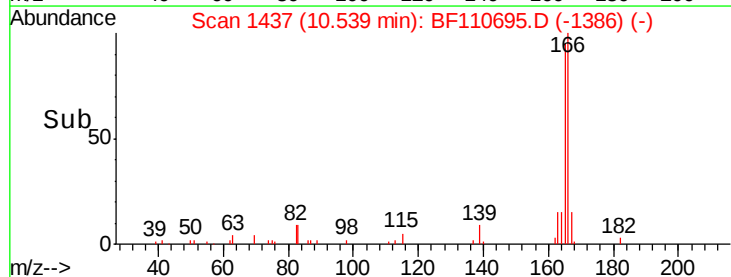
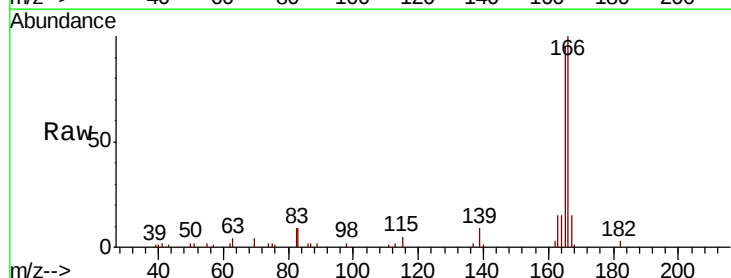
Instrument :
BNA_F
ClientSampleId :
TP-3-S

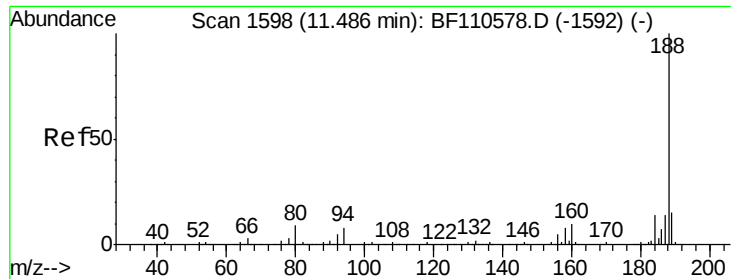
Tgt Ion:139 Resp: 8773
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#



#58
Fluorene
Concen: 2.876 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:166 Resp: 29018
Ion Ratio Lower Upper
166 100
165 94.6 78.6 117.8
167 15.5 10.8 16.2

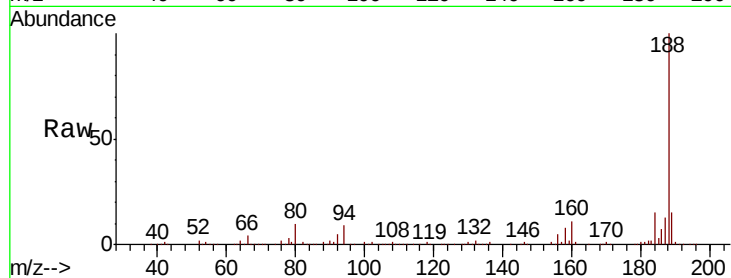




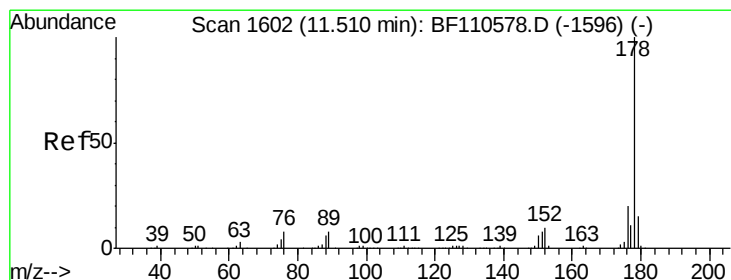
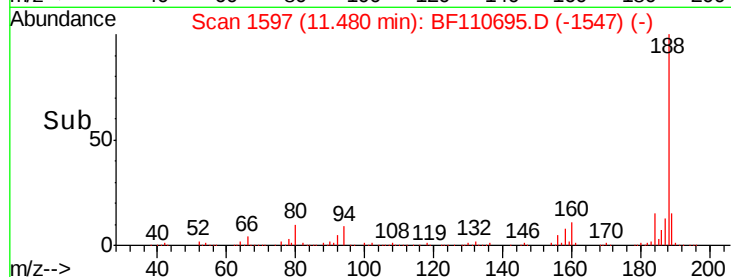
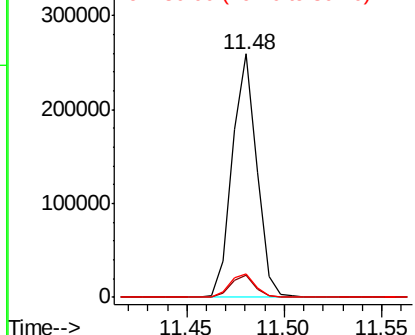
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tgt Ion:188 Resp: 227011
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.5 7.9 11.9

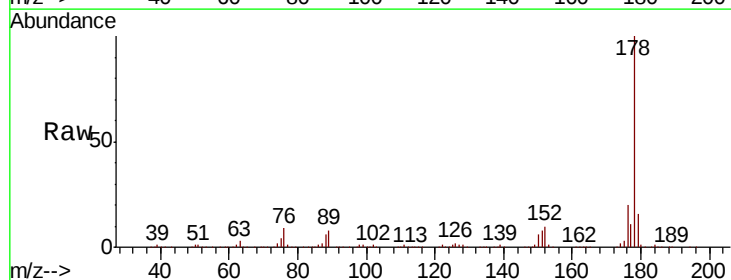


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

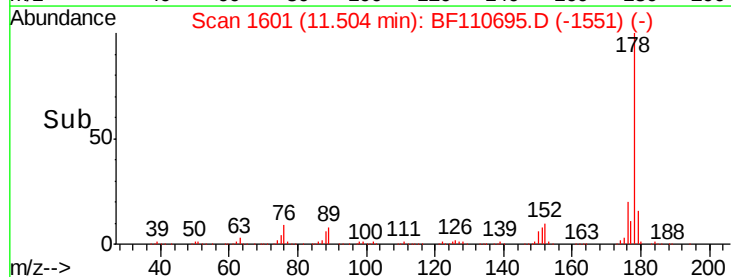
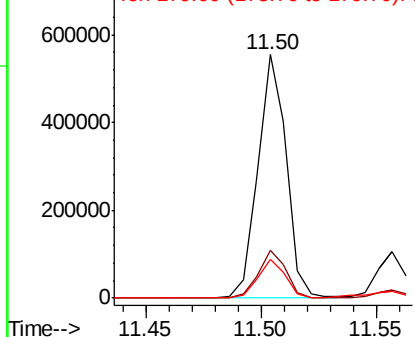


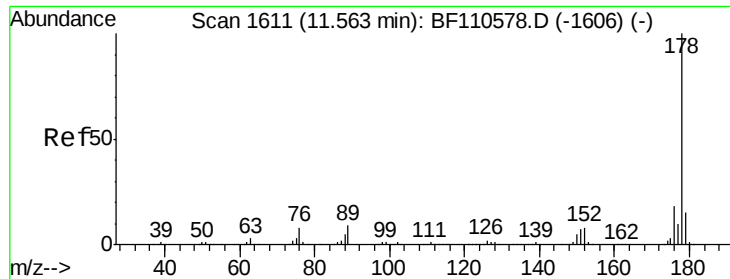
#71
Phenanthrene
Concen: 39.054 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:178 Resp: 474981
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 16.0 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.660 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

ClientSampleId :

TP-3-S

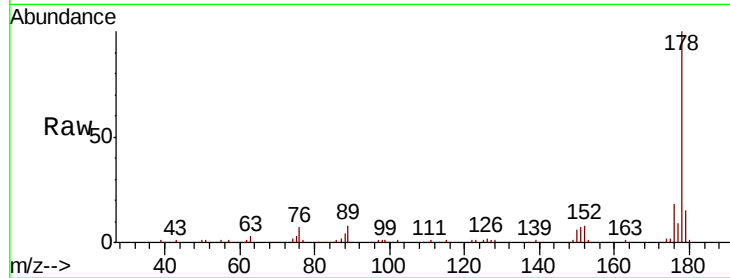
Tgt Ion:178 Resp: 93976

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

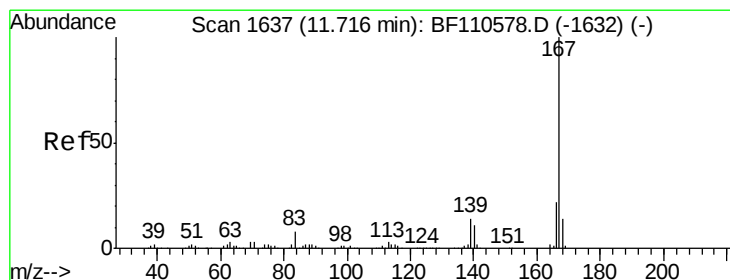
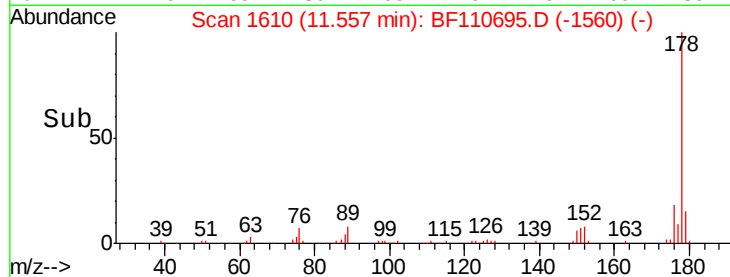
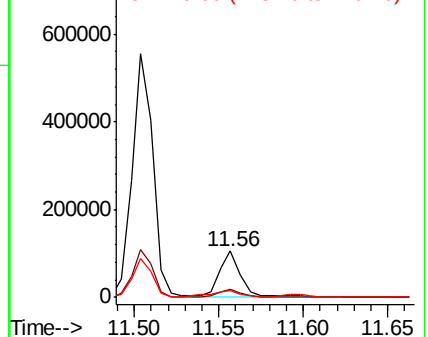
179 15.2 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.069 ng

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

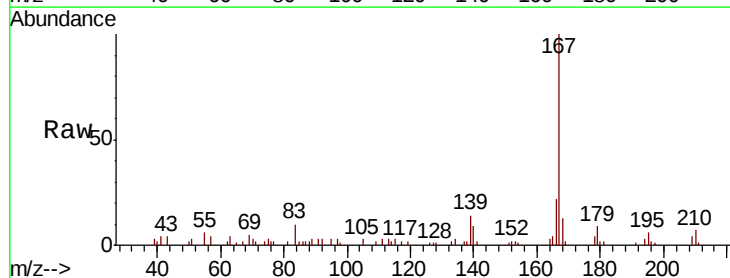
Tgt Ion:167 Resp: 24374

Ion Ratio Lower Upper

167 100

166 22.5 17.4 26.0

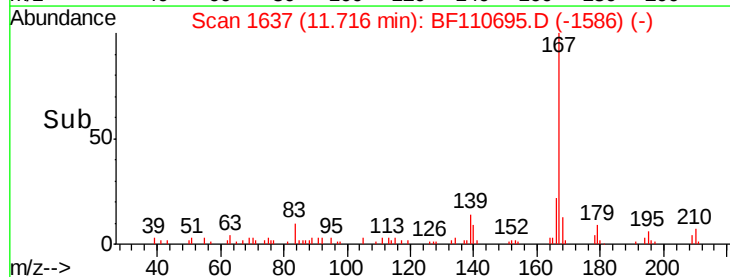
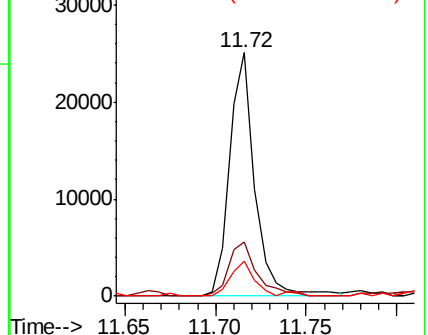
139 14.3 10.9 16.3

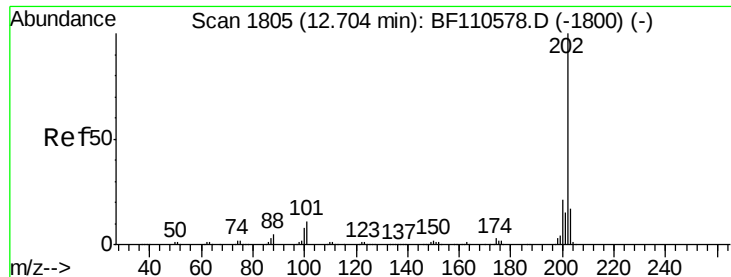


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 41.584 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

ClientSampleId :

TP-3-S

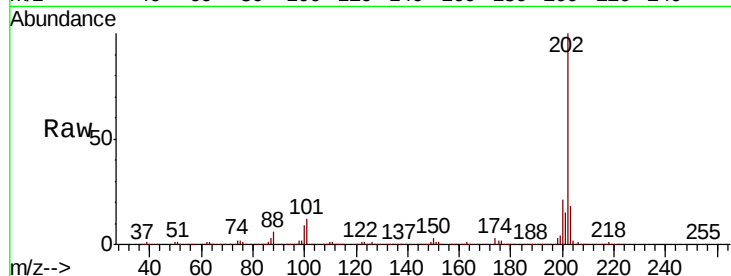
Tgt Ion:202 Resp: 507051

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

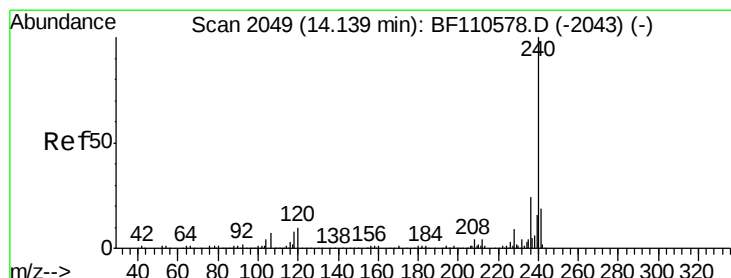
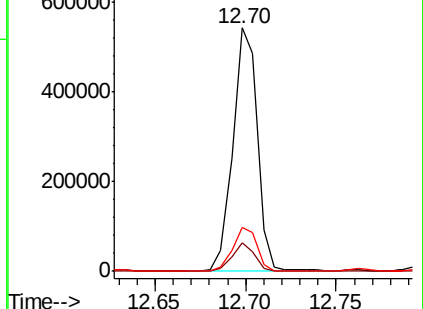
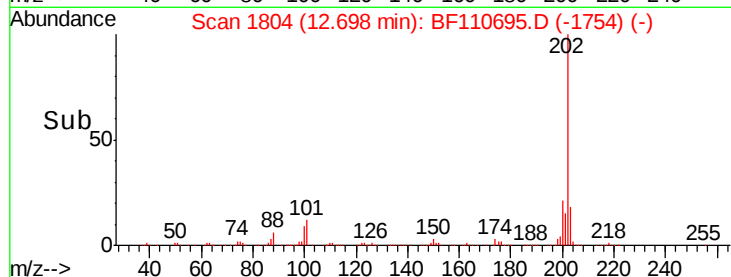
203 18.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

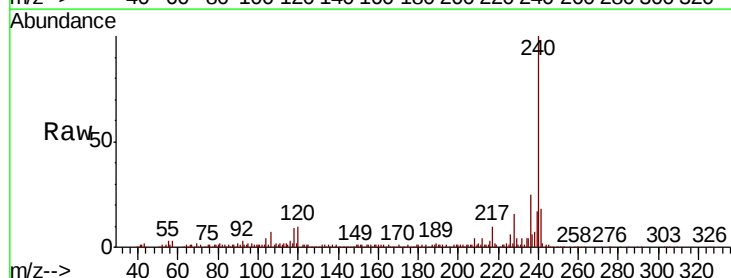
Tgt Ion:240 Resp: 162924

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

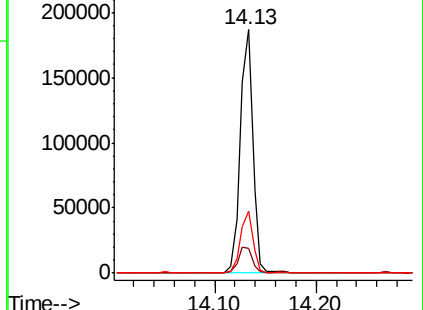
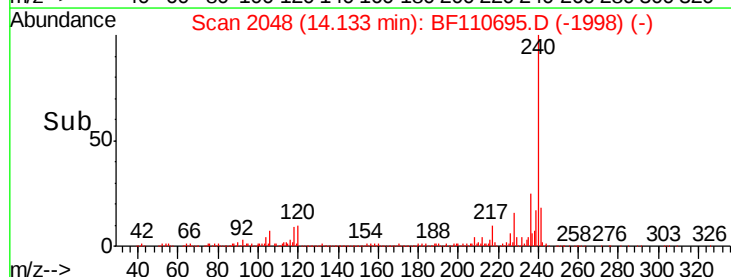
236 25.5 21.2 31.8

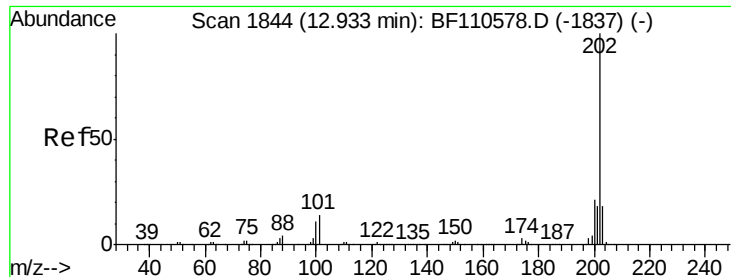


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

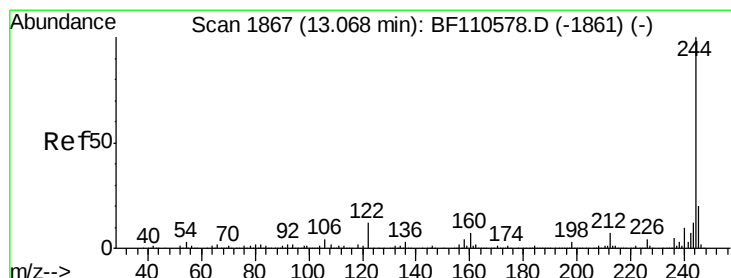
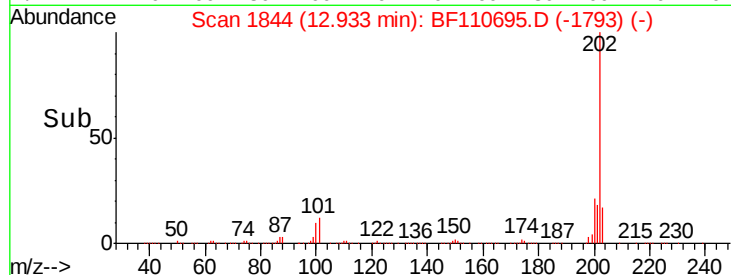
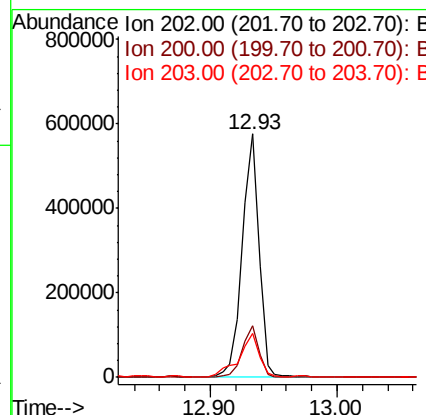
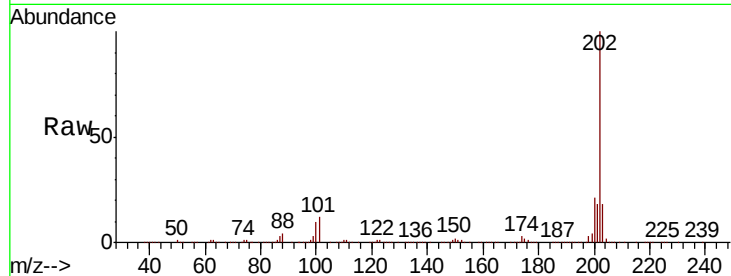




#78
 Pyrene
 Concen: 41.720 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

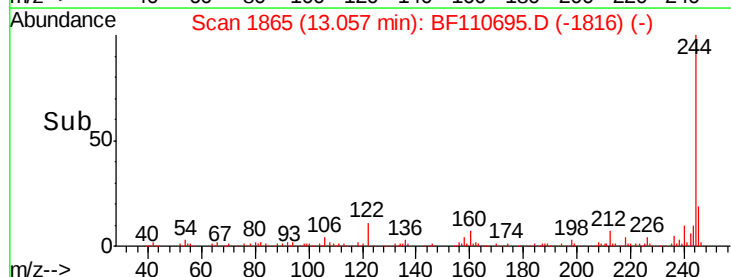
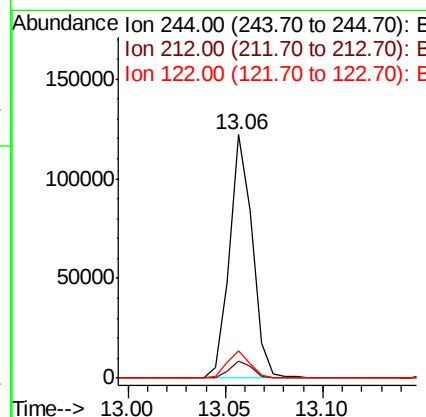
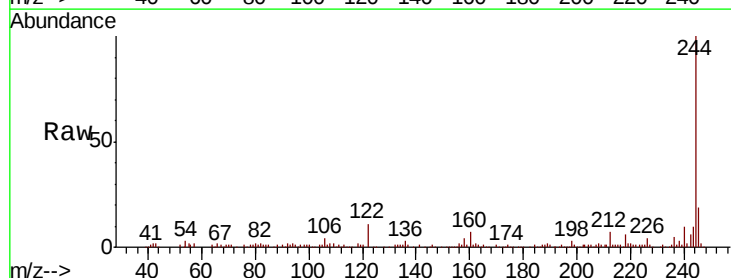
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

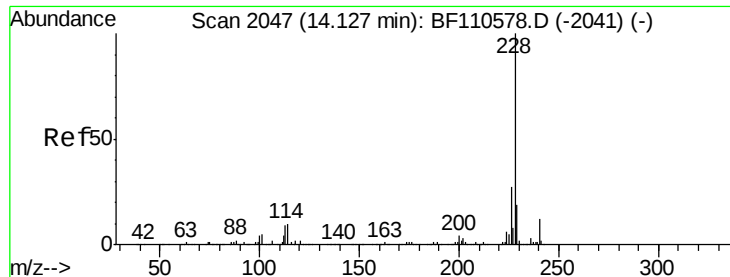
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.9	14.2	21.4



#79
 Terphenyl-d14
 Concen: 11.415 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.2	8.7	13.1

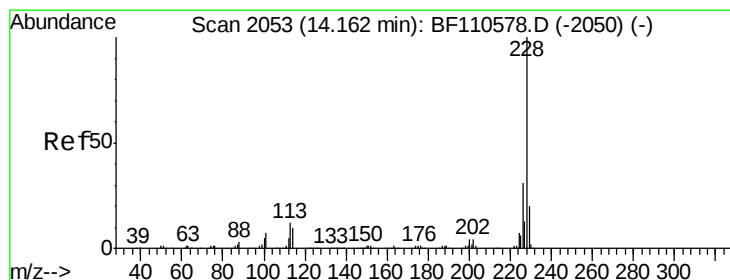
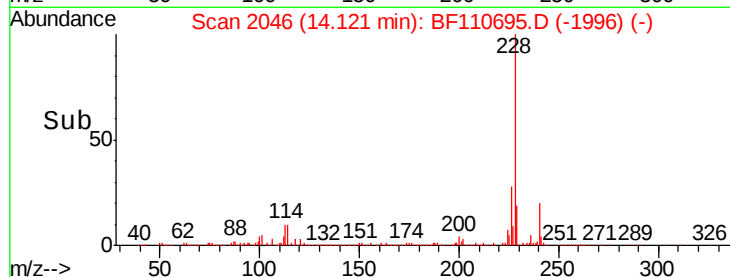
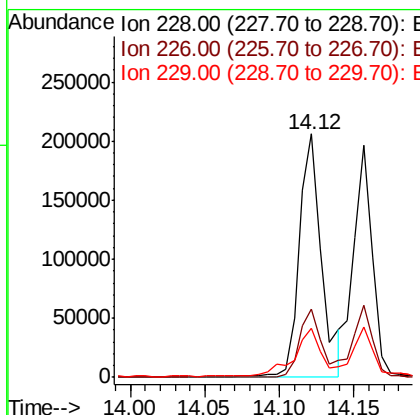
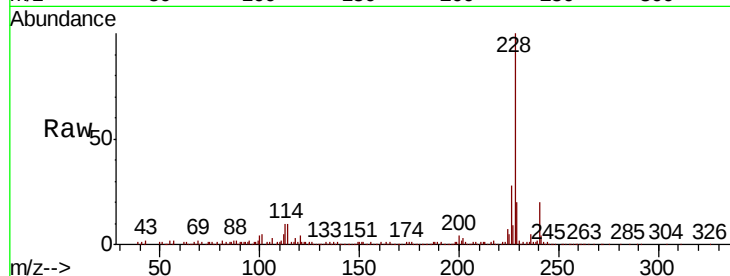




#81
Benzo(a)anthracene
Concen: 21.949 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

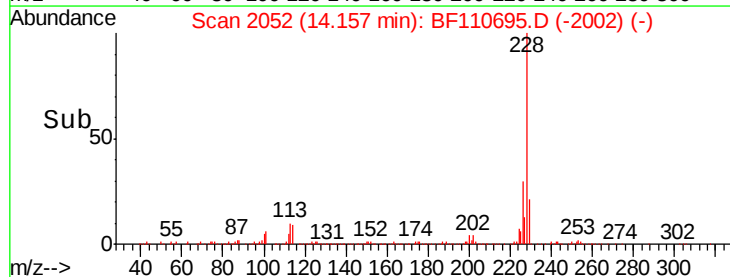
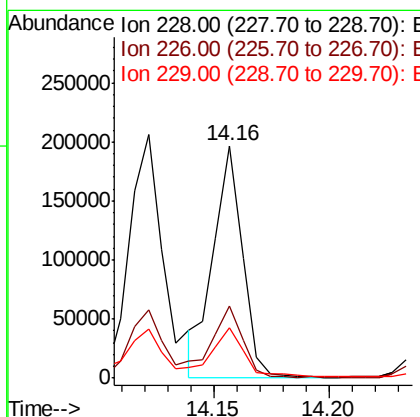
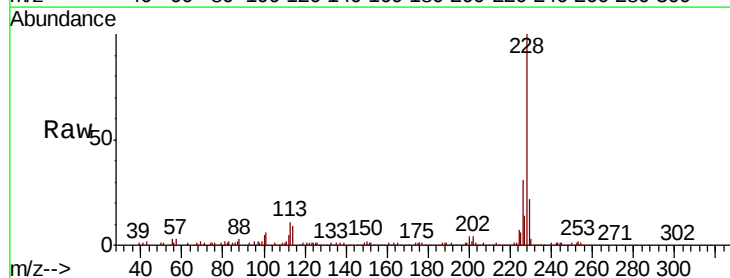
Instrument :
BNA_F
ClientSampleId :
TP-3-S

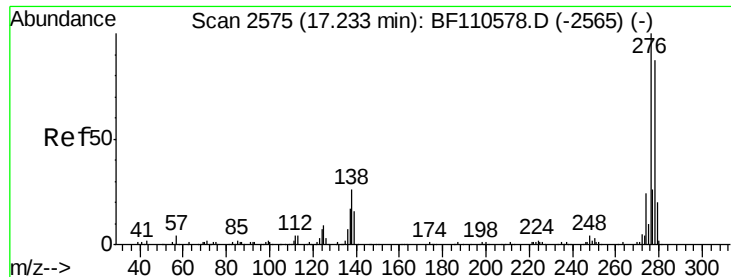
Tgt Ion:228 Resp: 213740
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 20.0 15.6 23.4



#83
Chrysene
Concen: 18.488 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:228 Resp: 171527
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 21.9 15.9 23.9

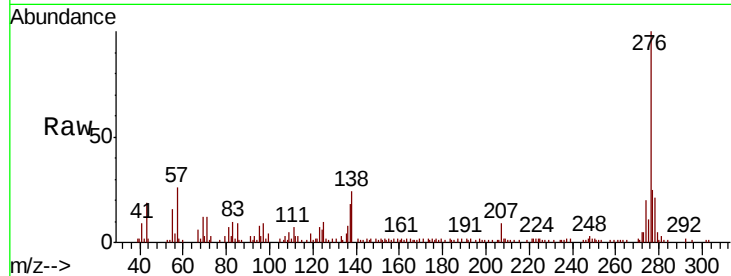




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.614 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.5	27.7
277	24.1	20.0	30.0

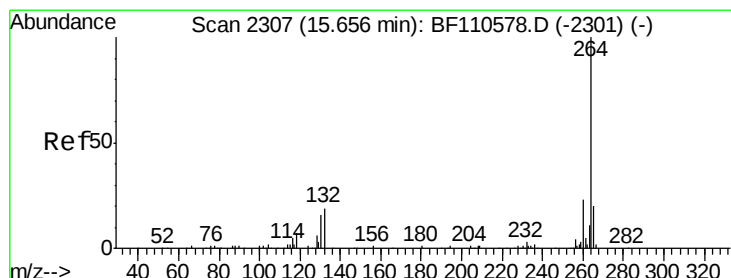
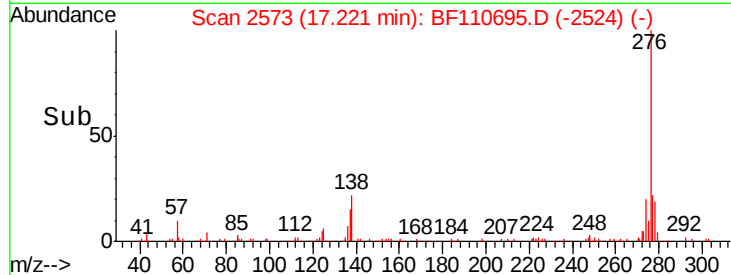
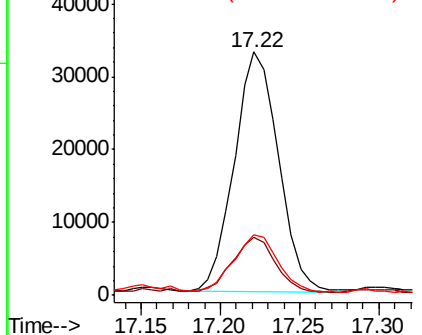


Abundance

Ion 276.00 (275.70 to 276.70): E

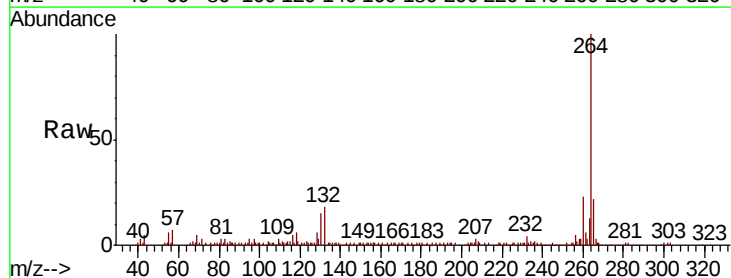
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	22.2	16.7	25.1

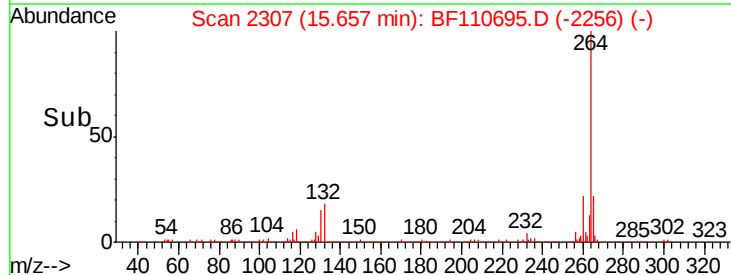
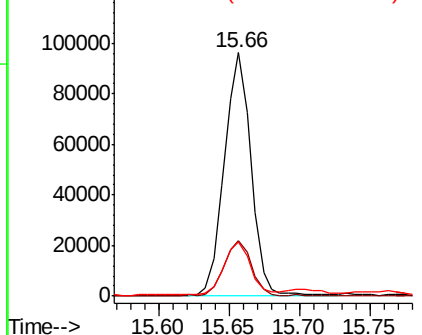


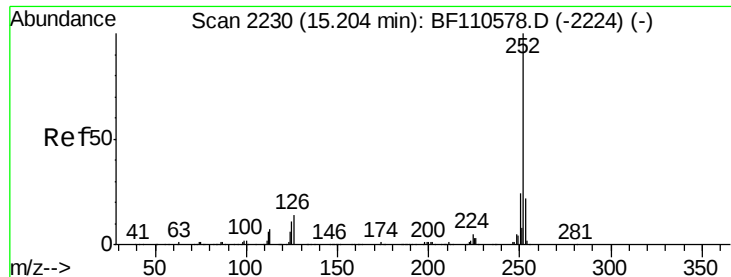
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

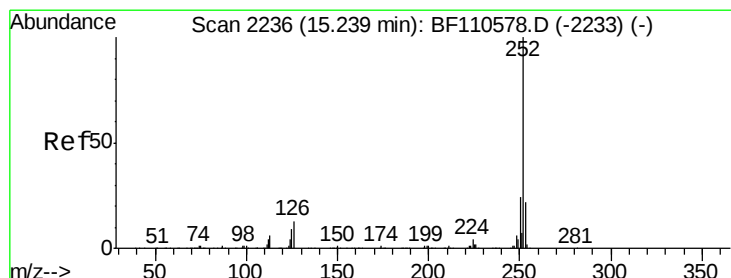
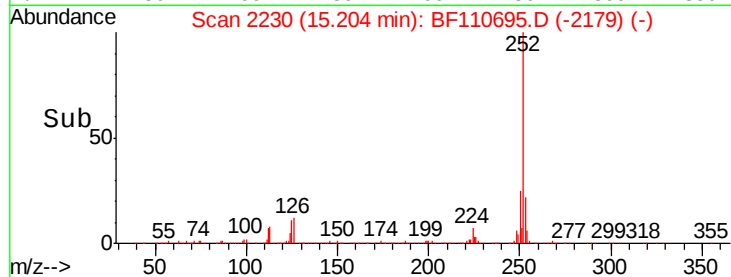
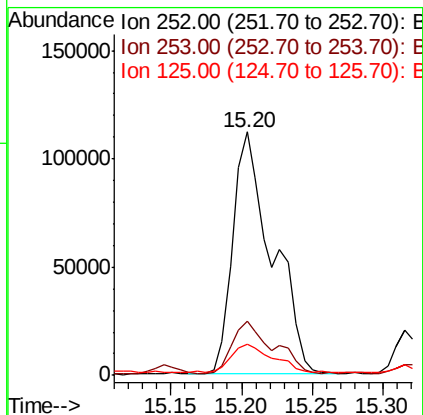
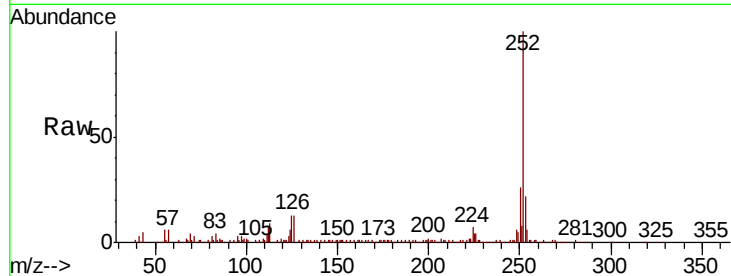




#88
Benzo(b)fluoranthene
Concen: 28.610 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

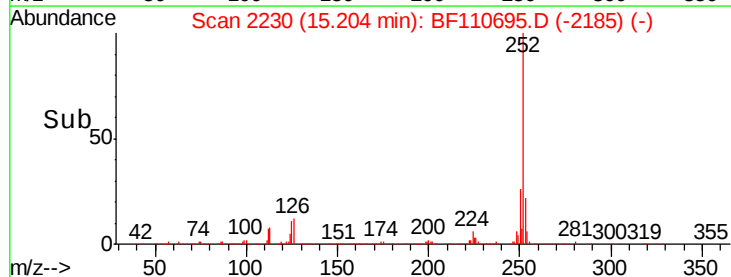
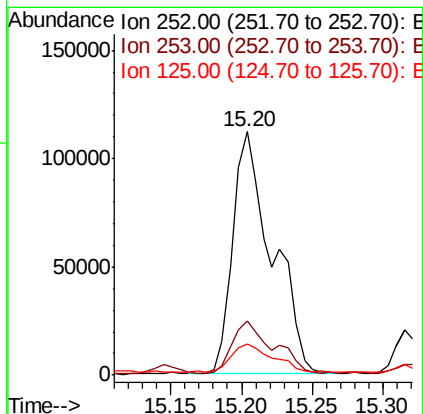
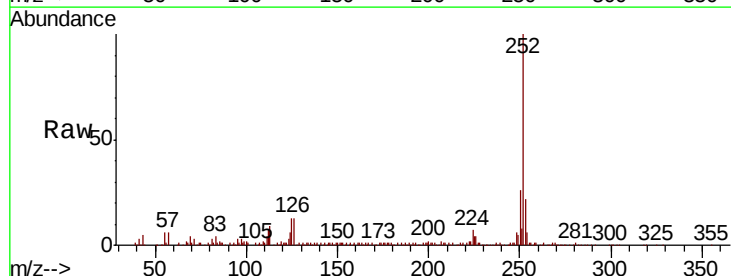
Instrument :
BNA_F
ClientSampleId :
TP-3-S

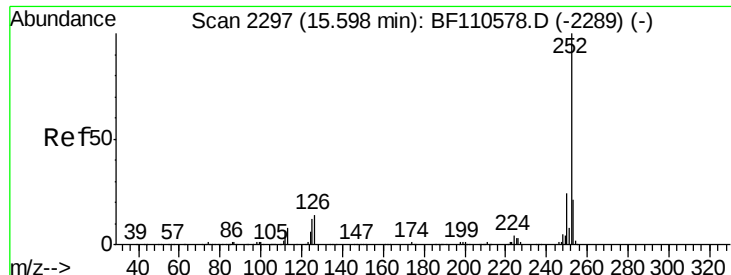
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.7	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 28.954 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.7	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 18.040 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

ClientSampleId :

TP-3-S

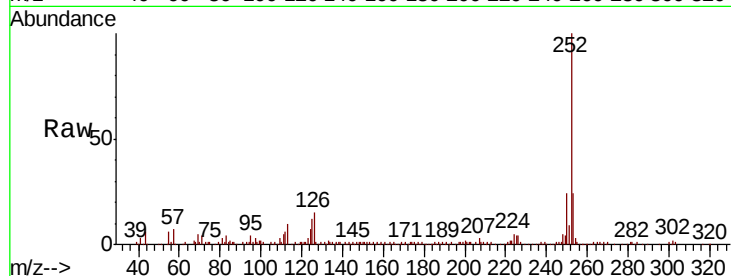
Tgt Ion:252 Resp: 125120

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.4

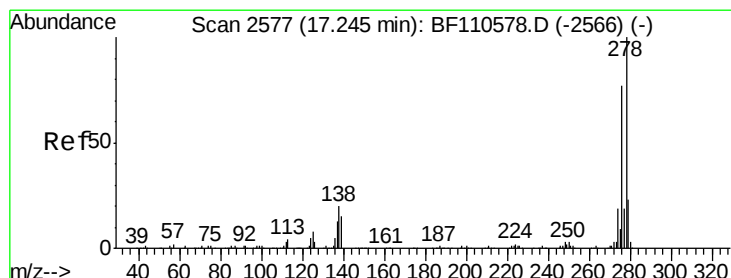
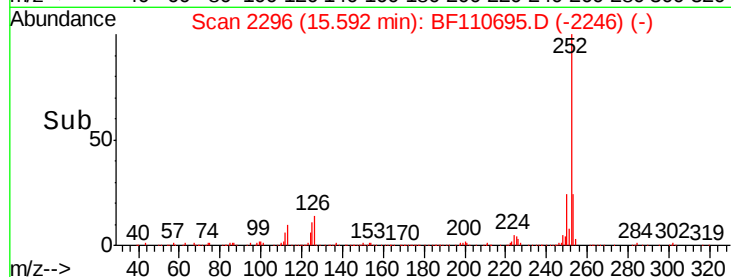
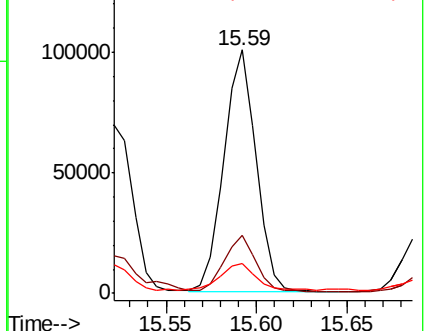
125 12.3 9.0 13.6



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



#91

Dibenzo(a,h)anthracene

Concen: 2.771 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.02 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

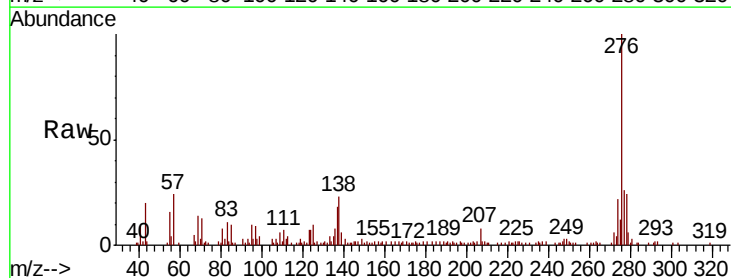
Tgt Ion:278 Resp: 16262

Ion Ratio Lower Upper

278 100

139 26.2 12.7 19.1#

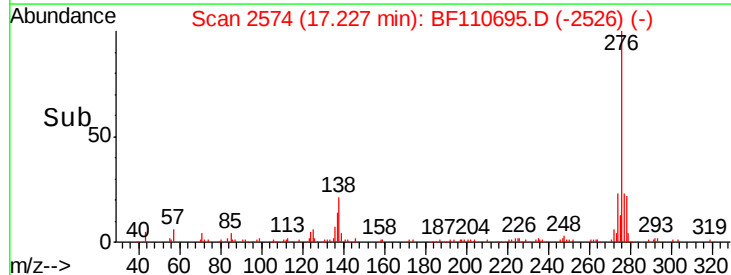
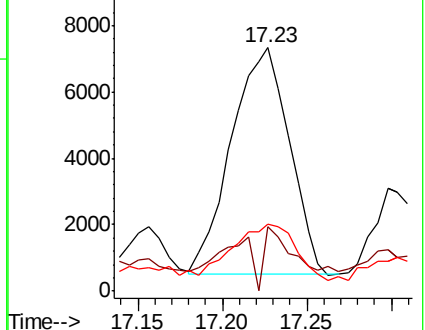
279 27.5 19.0 28.4

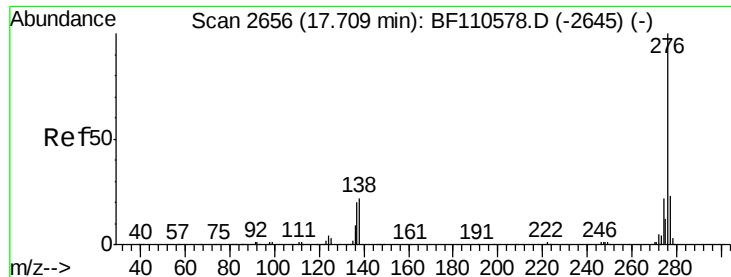


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 10.767 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

ClientSampleId :

TP-3-S

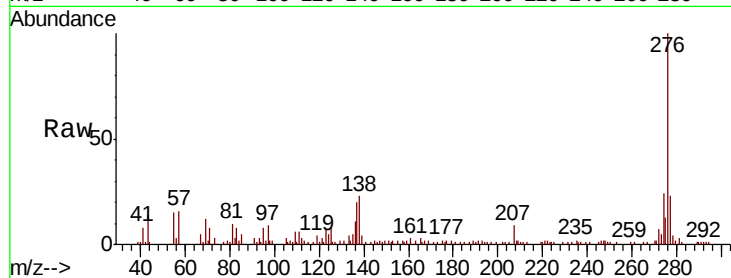
Tgt Ion: 276 Resp: 62700

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 22.9 16.0 24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

