

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116695.D
 Acq On : 31 Aug 2019 13:23
 Operator : HP/JU
 Sample : K4643-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Quant Time: Aug 31 16:03:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108367	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	425696	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	220117	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	358940	20.00	ng	0.00
76) Chrysene-d12	13.99	240	222281	20.00	ng	0.00
87) Perylene-d12	15.44	264	255527	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	556457	83.19	ng	0.00
7) Phenol-d6	6.47	99	764502	87.04	ng	0.00
23) Nitrobenzene-d5	7.40	82	475255	63.73	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	137902	93.71	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	791521	60.66	ng	0.00
79) Terphenyl-d14	12.94	244	708957	59.00	ng	0.00

Target Compounds

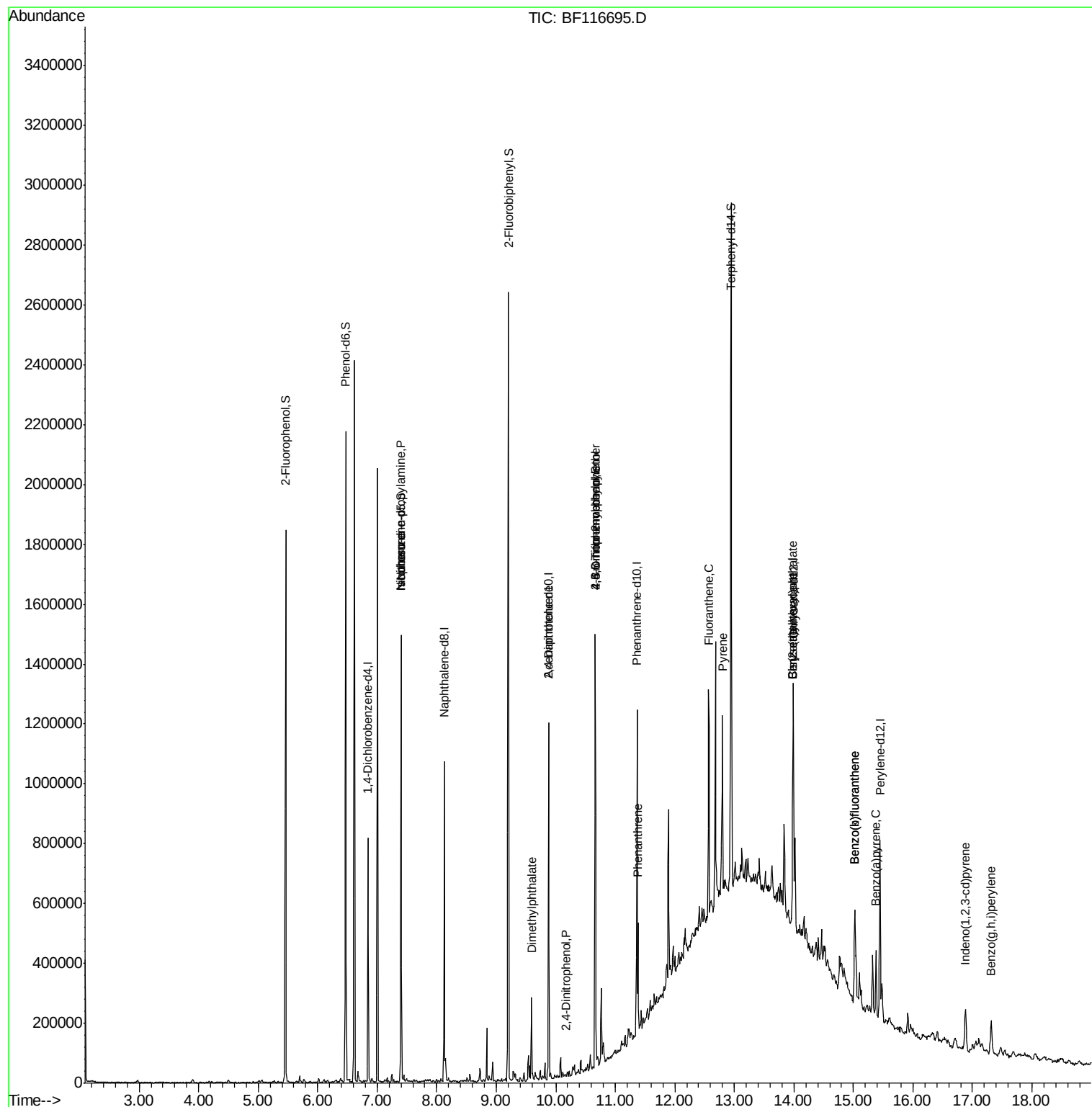
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	62655	10.834	ng	# 73
25) Isophorone	7.40	82	472920	31.298	ng	# 66
50) Dimethylphthalate	9.59	163	93473	6.151	ng	99
54) 2,4-Dinitrophenol	10.16	184	108	9.134	ng	# 14
57) 2,4-Dinitrotoluene	9.88	165	29973	8.454	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	266	7.621	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	8793	2.411	ng	# 1
71) Phenanthrene	11.39	178	136353	6.824	ng	99
75) Fluoranthene	12.57	202	286742	14.603	ng	96
78) Pyrene	12.80	202	234299	11.858	ng	97
81) Benzo(a)anthracene	13.98	228	96464	6.857	ng	96
83) Chrysene	13.98	228	96464	6.656	ng	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	77456	6.530	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.88	276	84278	7.239	ng	99
88) Benzo(b)fluoranthene	15.02	252	223071	14.439	ng	# 97
89) Benzo(k)fluoranthene	15.02	252	223071	15.837	ng	# 97
90) Benzo(a)pyrene	15.38	252	99876	7.431	ng	97
92) Benzo(g,h,i)perylene	17.32	276	81824	6.820	ng	# 92

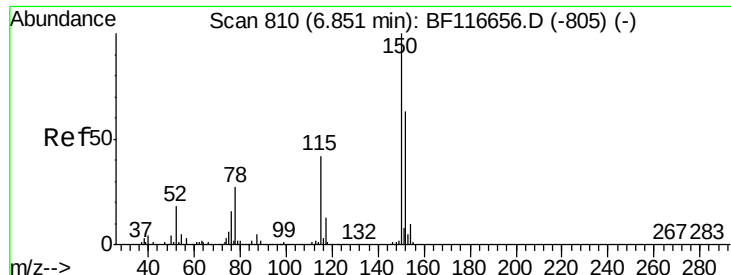
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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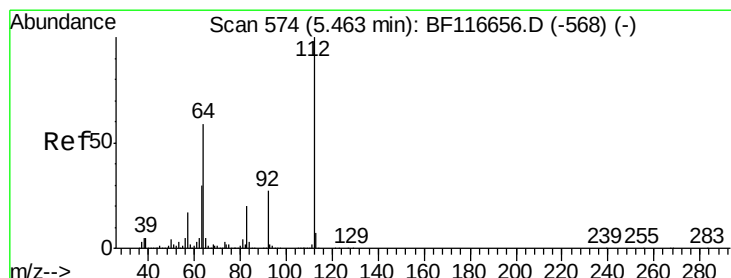
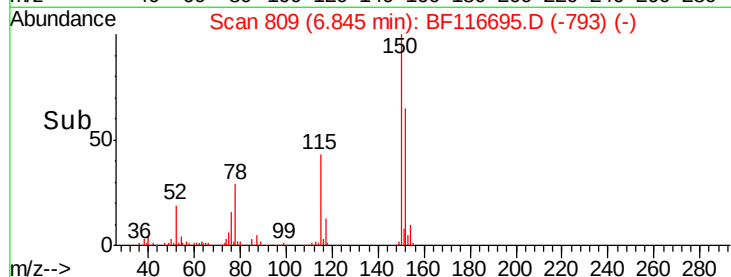
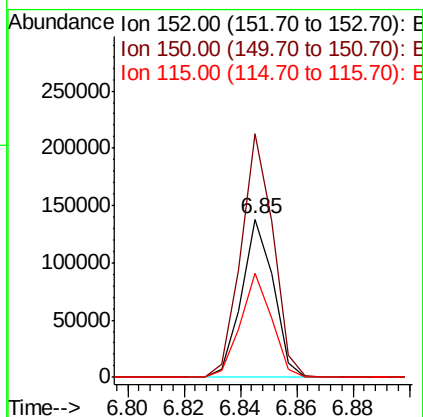
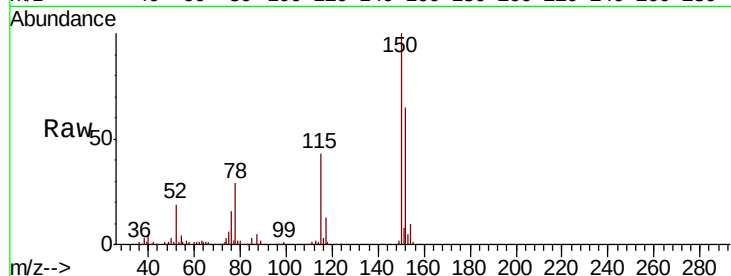


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

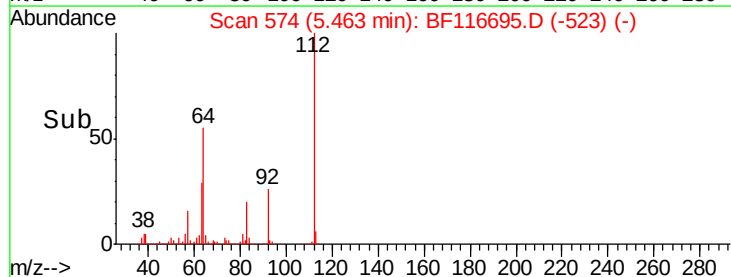
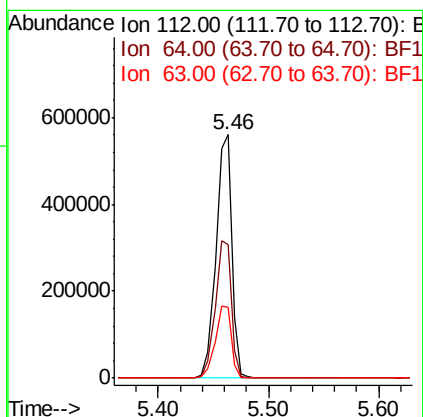
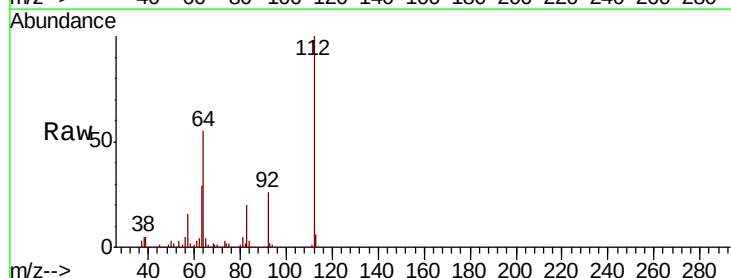
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.4	186.6
115	65.6	49.9	74.9

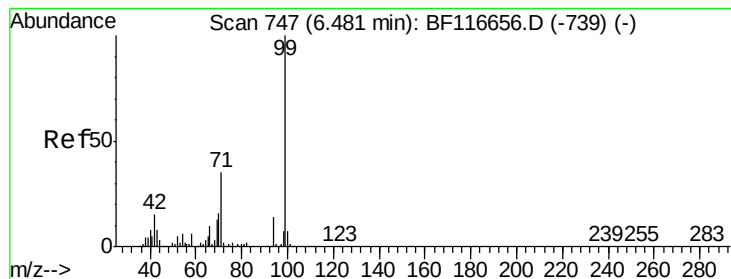


#5

2-Fluorophenol
Concen: 83.189 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.1	70.7
63	29.0	24.9	37.3





#7

Phenol-d6

Concen: 87.038 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

ClientSampleId :

T11-D1-D4-(0-4)

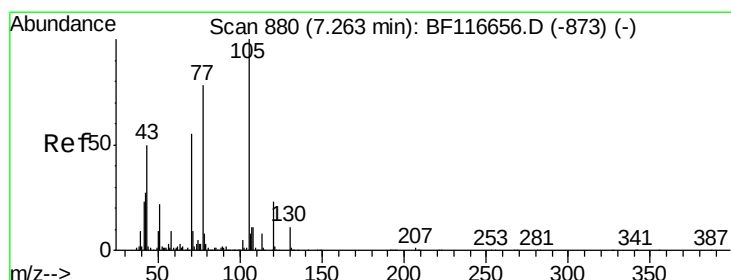
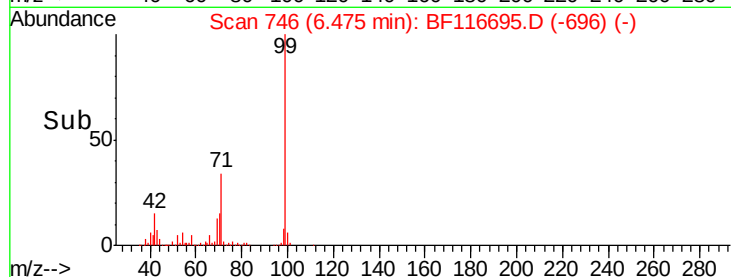
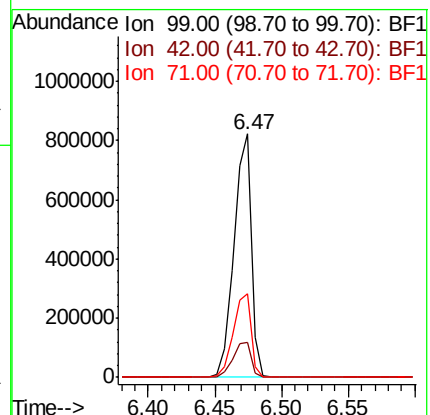
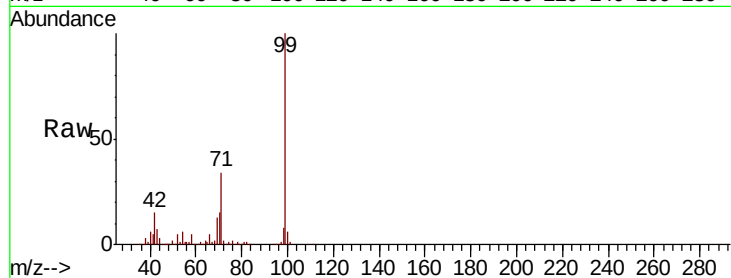
Tot Ion: 99 Resp: 764502

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

71 34.5 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.834 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Tgt Ion: 70 Resp: 62655

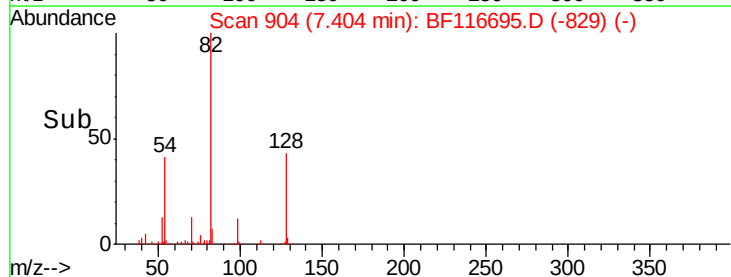
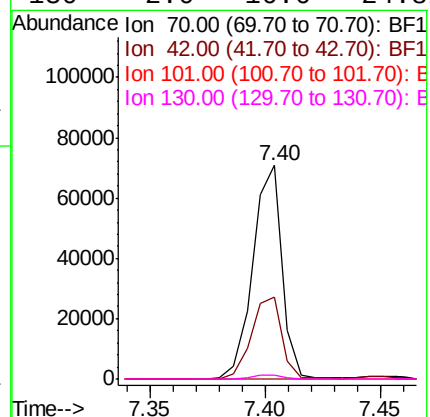
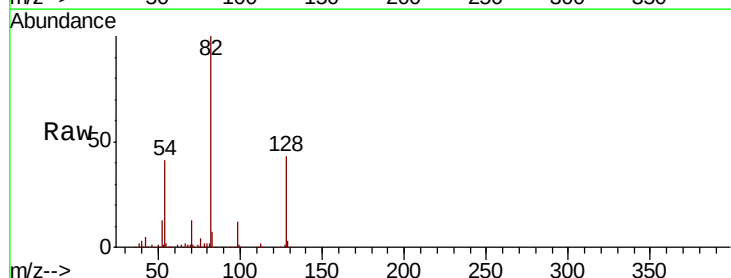
Ion Ratio Lower Upper

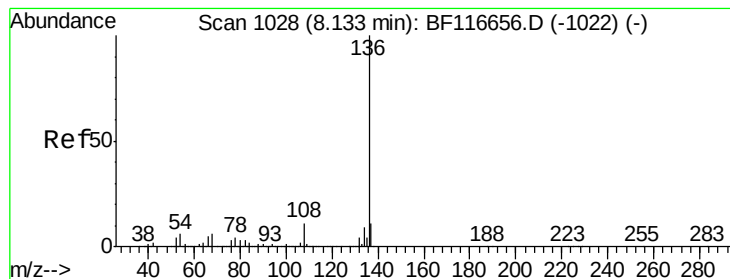
70 100

42 38.6 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

ClientSampleId :

T11-D1-D4-(0-4)

Tot Ion:136 Resp: 425696

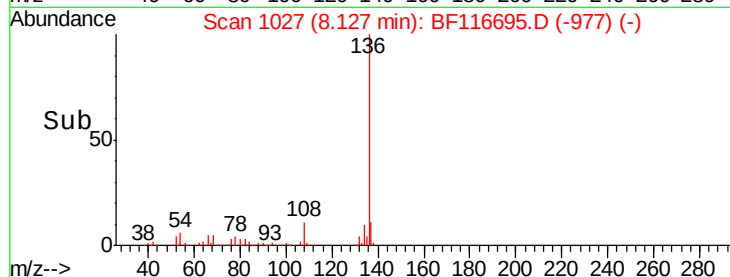
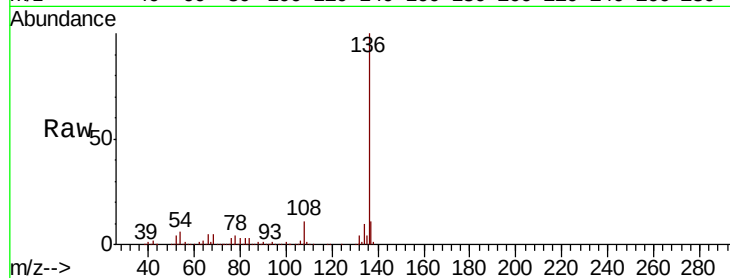
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.7 4.8 7.2

68 5.1 4.0 6.0

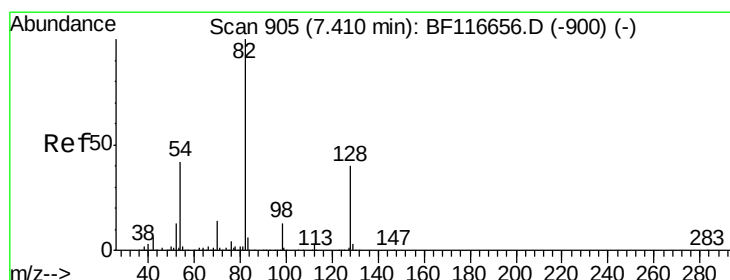
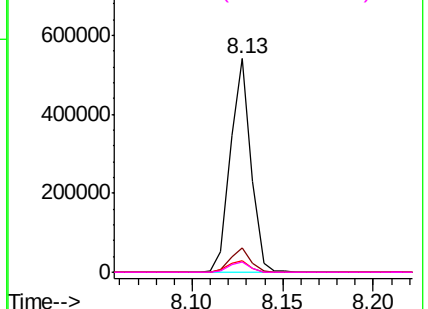


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 63.733 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

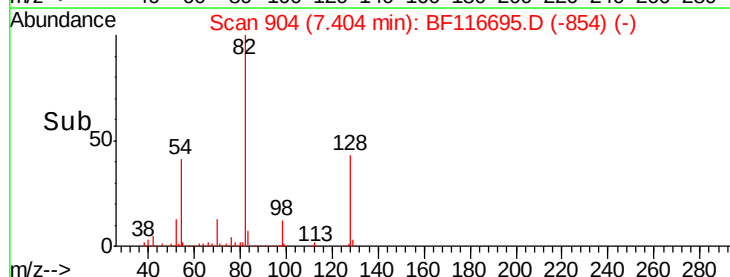
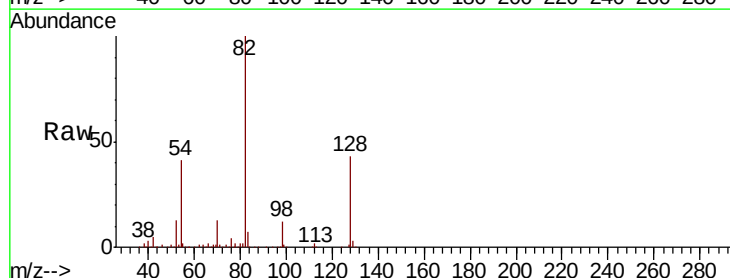
Tgt Ion: 82 Resp: 475255

Ion Ratio Lower Upper

82 100

128 43.2 32.8 49.2

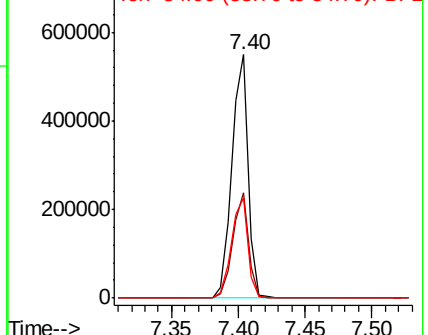
54 41.3 36.9 55.3

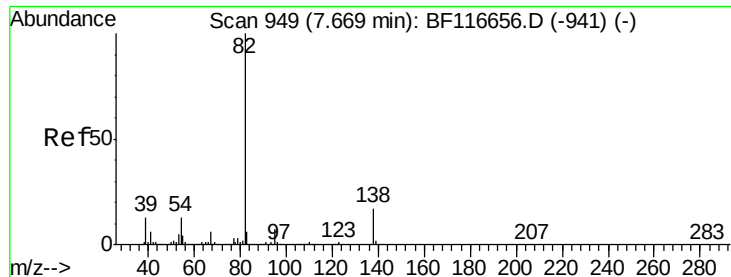


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.298 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

ClientSampleId :

T11-D1-D4-(0-4)

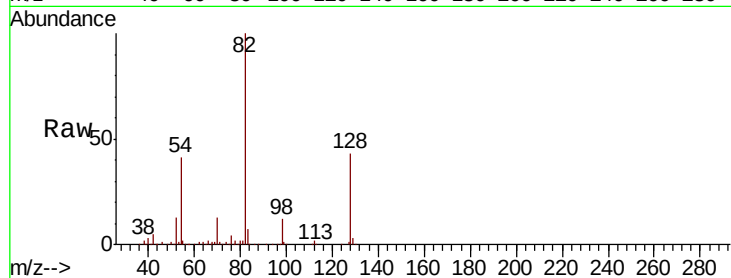
Tot Ion: 82 Resp: 472920

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

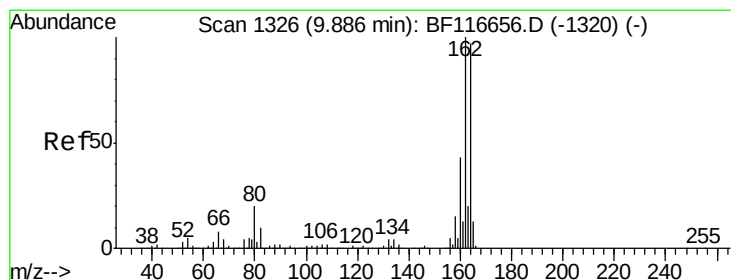
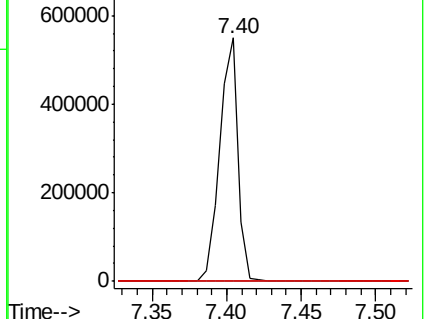
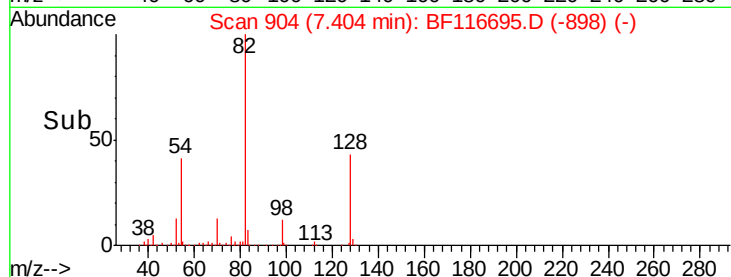
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

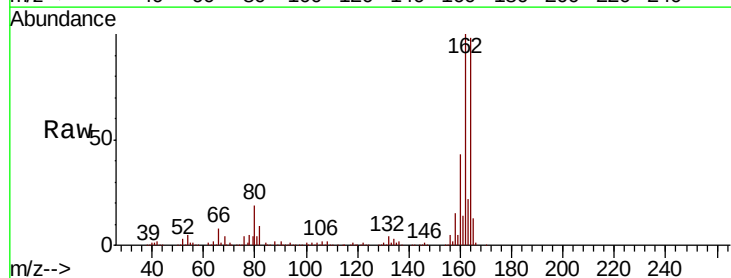
Tgt Ion:164 Resp: 220117

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

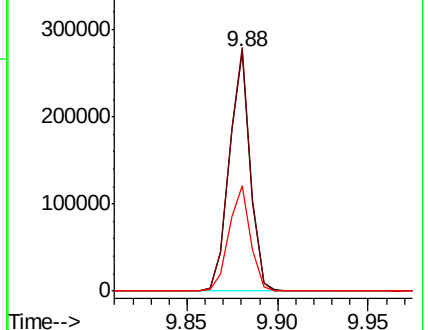
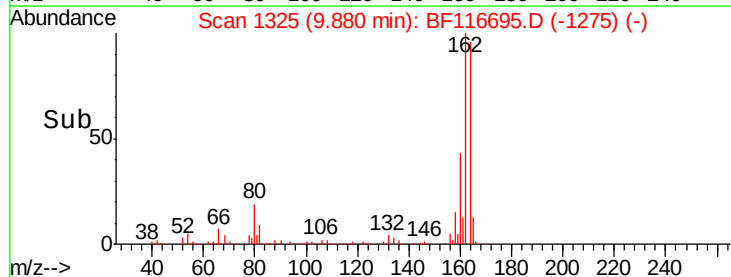
160 43.7 35.4 53.2

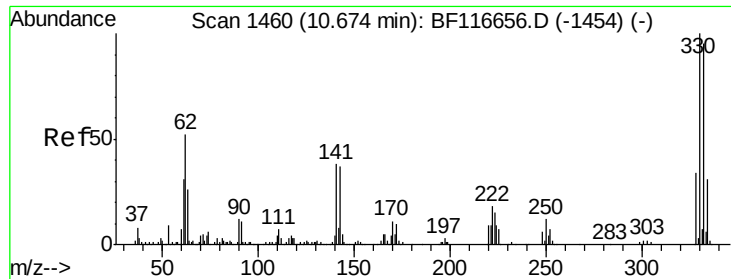


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

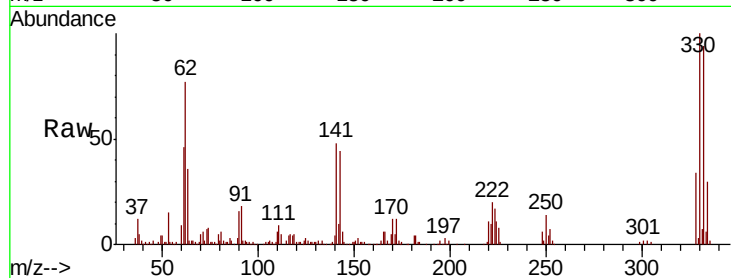




#42
 2,4,6-Tribromophenol
 Concen: 93.713 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.9	115.3
141	45.2	31.4	47.2

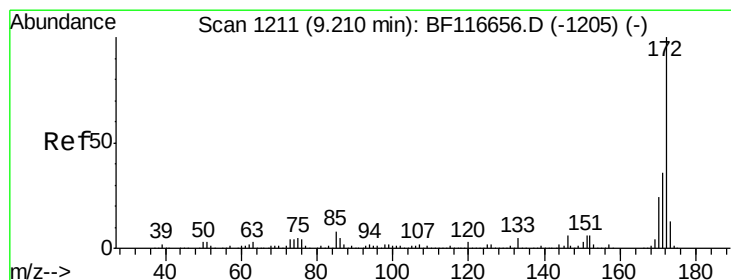
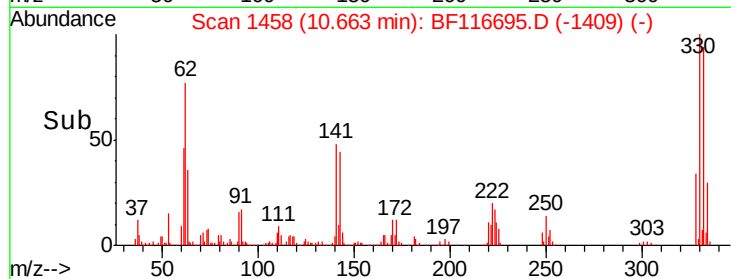
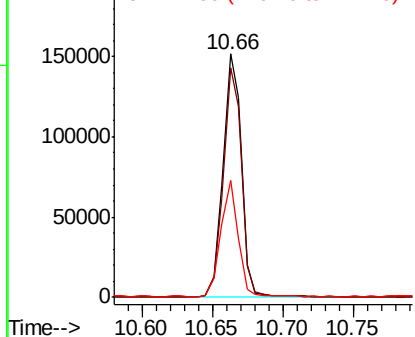


Abundance

Ion 329.80 (329.50 to 330.50): E

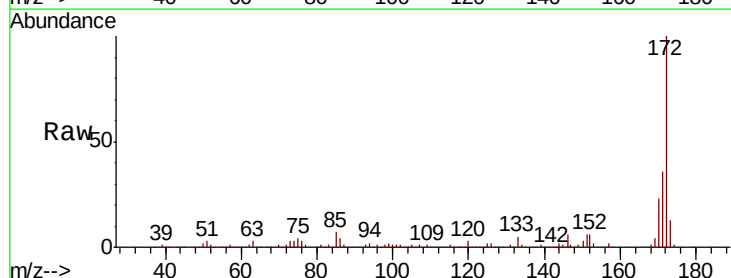
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 60.659 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	23.4	18.9	28.3

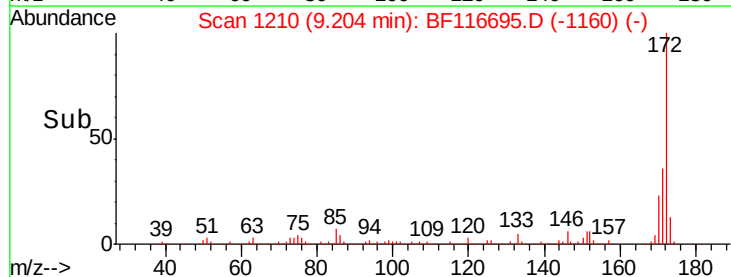
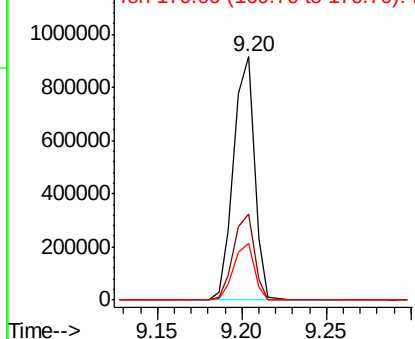


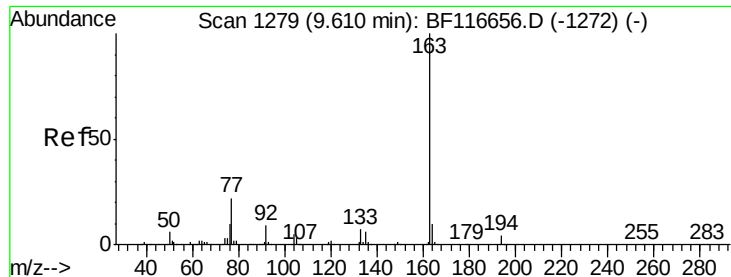
Abundance

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

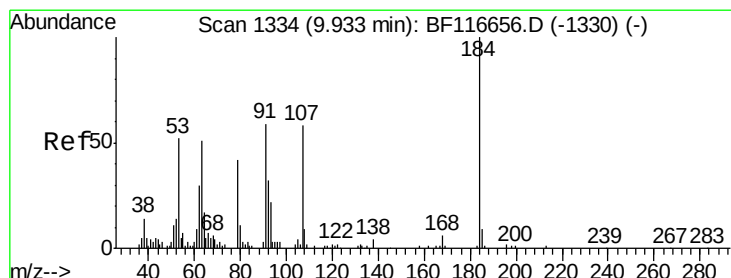
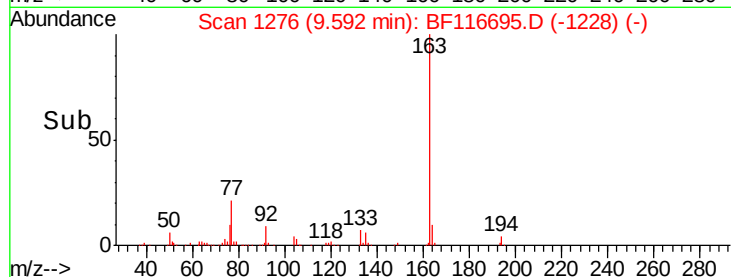
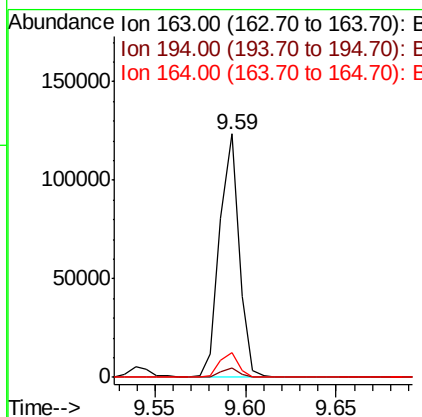
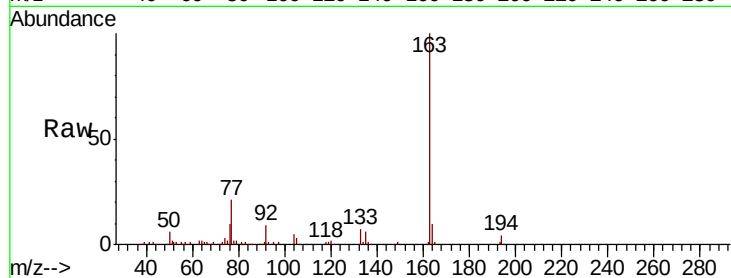




#50
Dimethylphthalate
Concen: 6.151 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

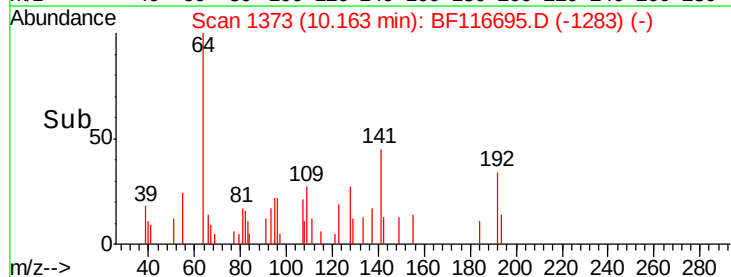
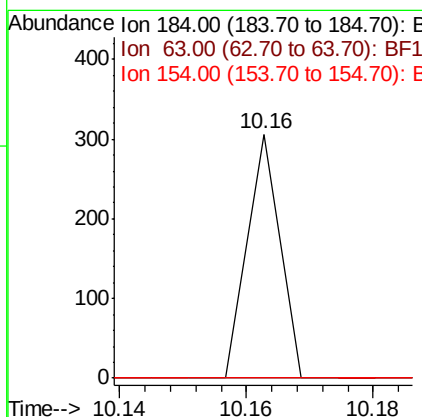
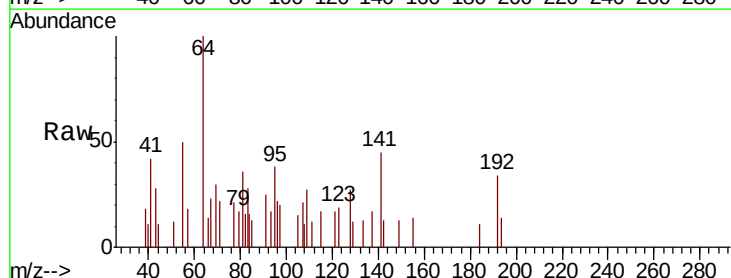
Instrument :
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T11-D1-D4-(0-4)

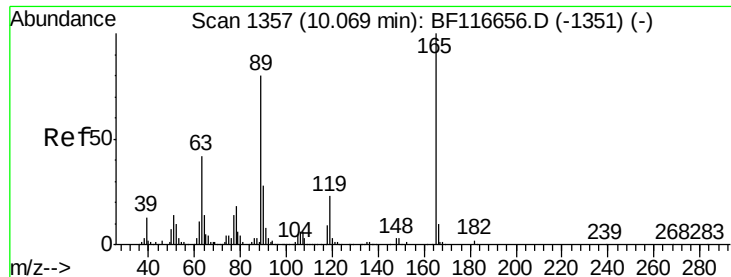
Tot Ion:163 Resp: 93473
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.4 8.6 12.8



#54
2,4-Dinitrophenol
Concen: 9.134 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.23 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion:184 Resp: 108
Ion Ratio Lower Upper
184 100
63 0.0 52.2 78.2#
154 0.0 60.8 91.2#





#57

2,4-Dinitrotoluene

Concen: 8.454 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

ClientSampleId :

T11-D1-D4-(0-4)

Tot Ion:165 Resp: 29973

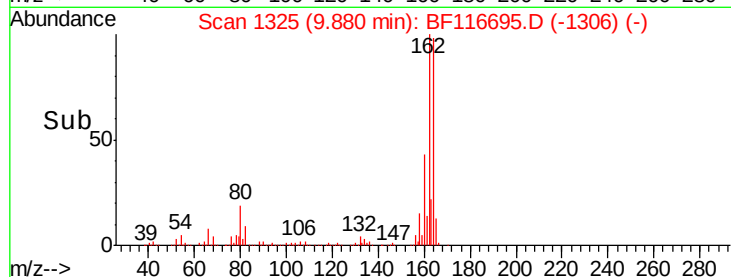
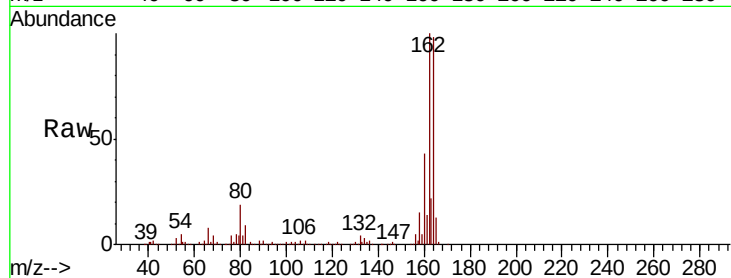
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.5 62.6 94.0#

182 0.0 2.1 3.1#

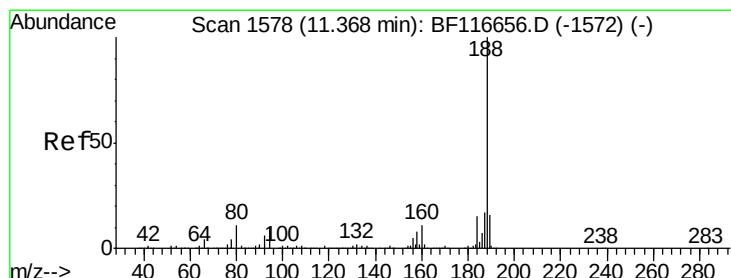
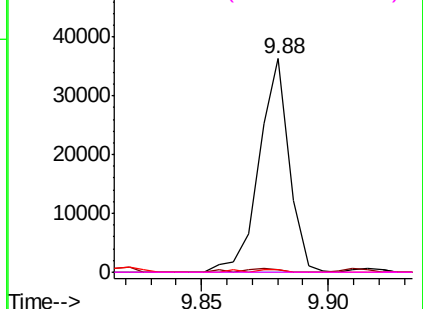


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

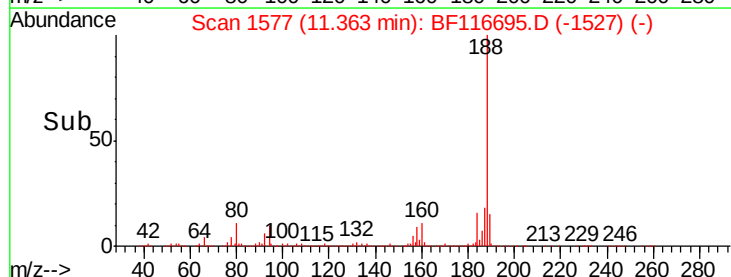
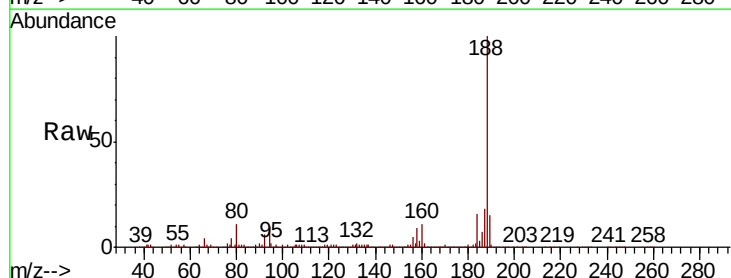
Tgt Ion:188 Resp: 358940

Ion Ratio Lower Upper

188 100

94 10.0 7.3 10.9

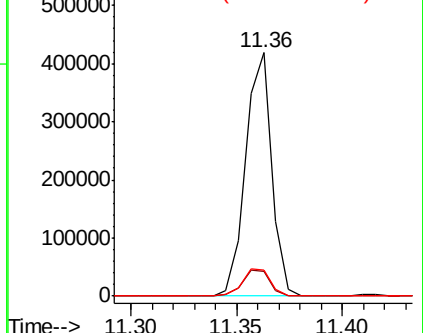
80 10.7 8.4 12.6

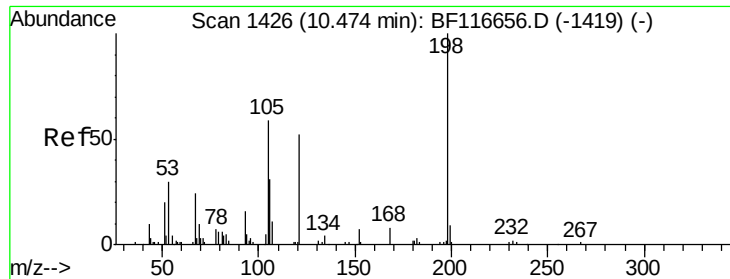


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.621 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

ClientSampleId :

T11-D1-D4-(0-4)

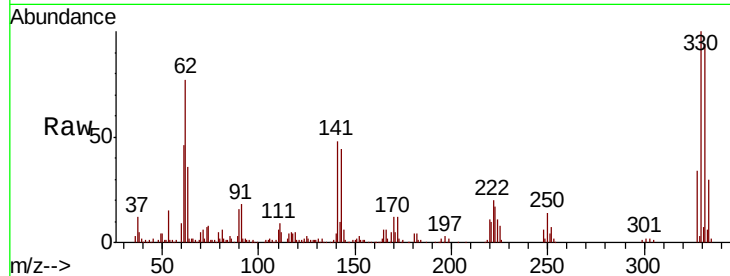
Tot Ion:198 Resp: 266

Ion Ratio Lower Upper

198 100

51 347.5 18.4 58.4#

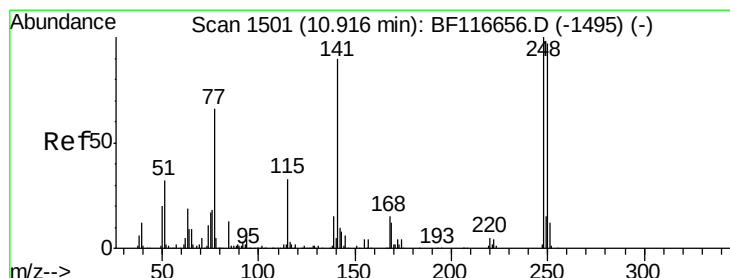
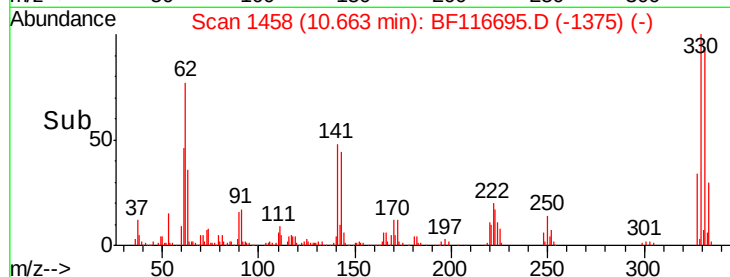
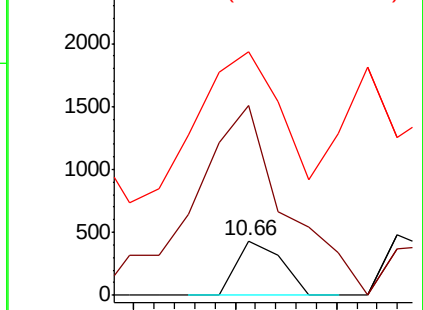
105 445.4 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.411 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

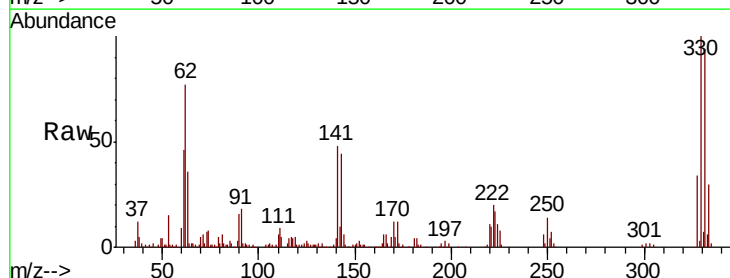
Tgt Ion:248 Resp: 8793

Ion Ratio Lower Upper

248 100

250 216.7 77.8 116.8#

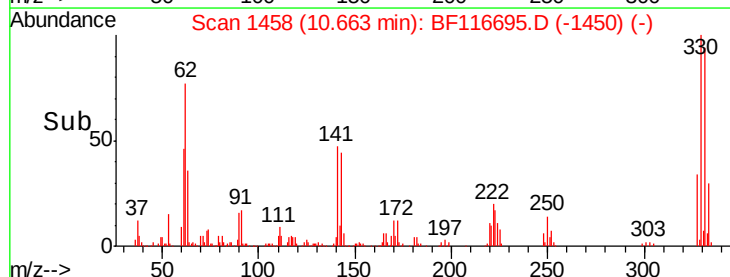
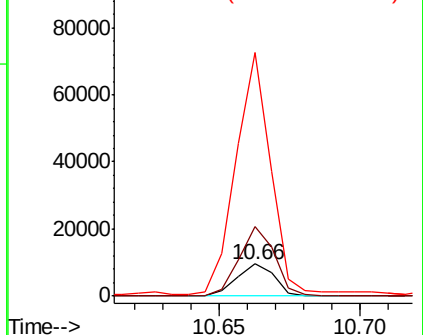
141 754.8 75.9 113.9#

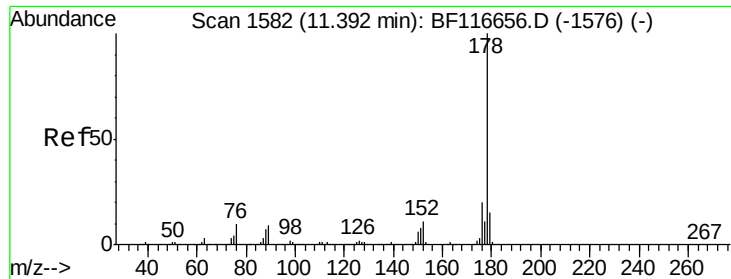


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

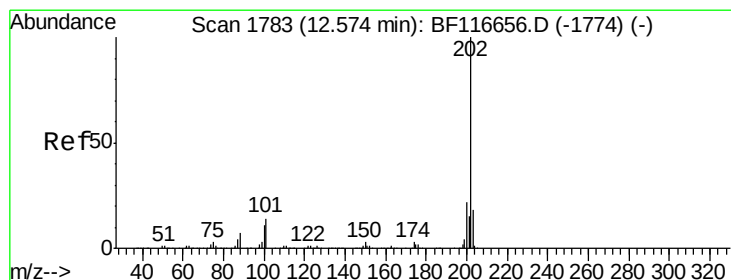
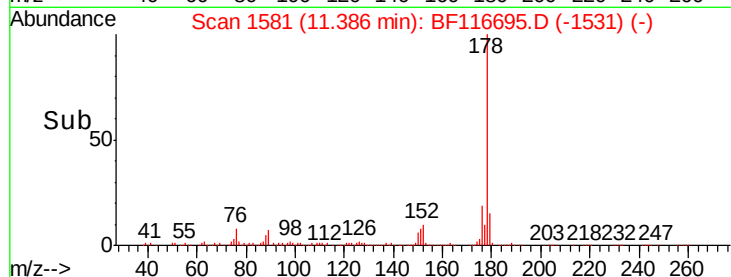
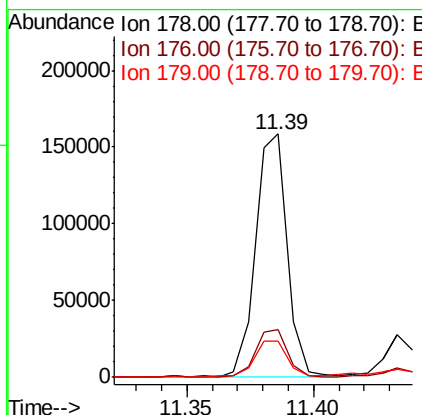
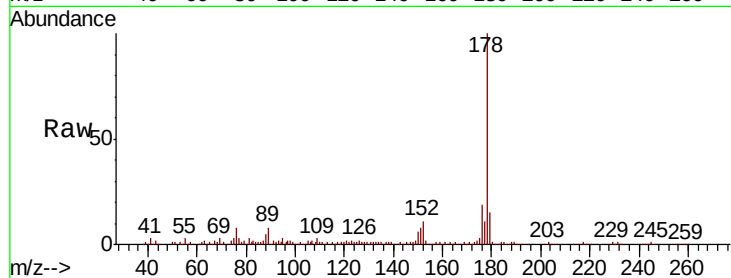




#71
Phenanthrene
Concen: 6.824 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

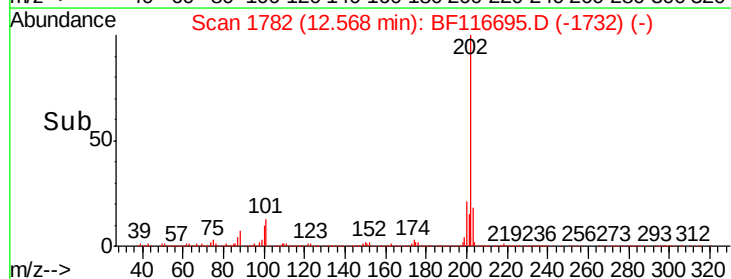
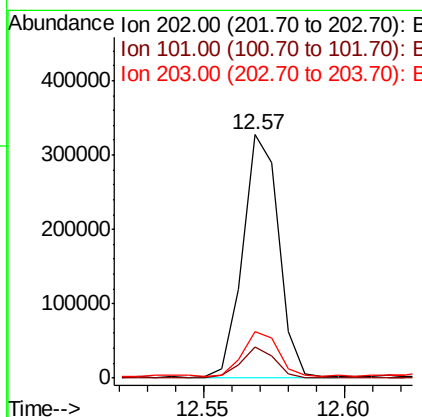
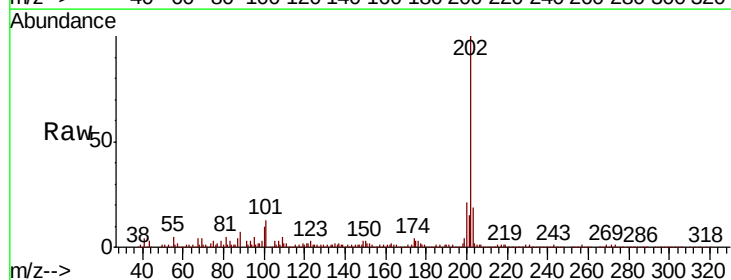
Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

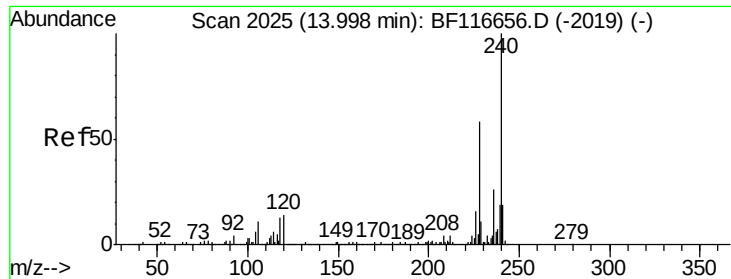
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	14.9	12.2	18.2



#75
Fluoranthene
Concen: 14.603 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	31.3
203	19.1	0.0	37.6

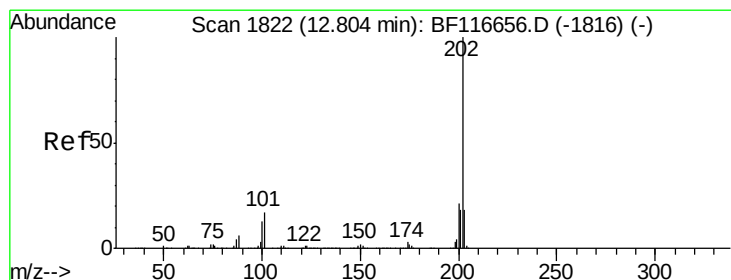
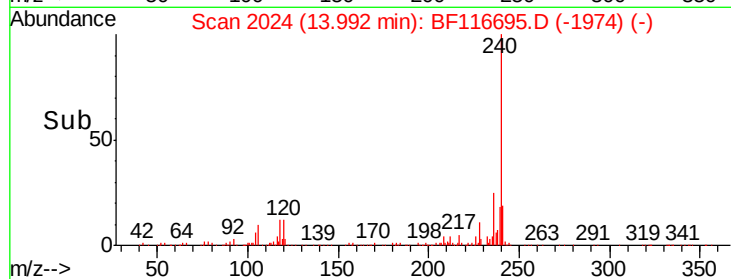
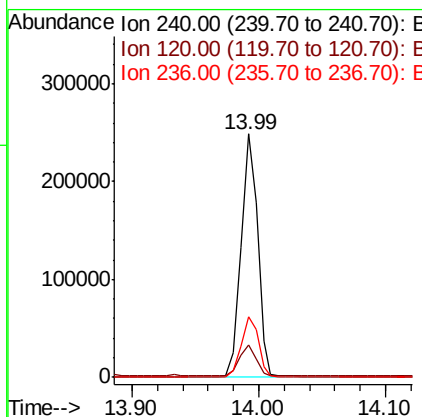
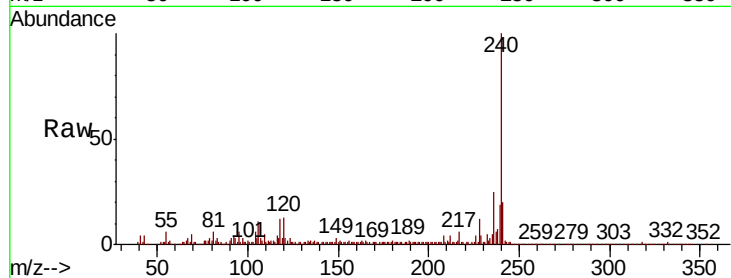




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

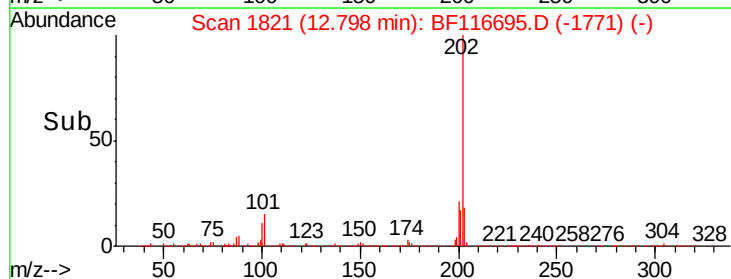
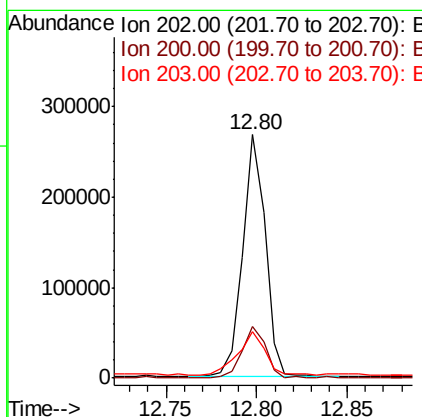
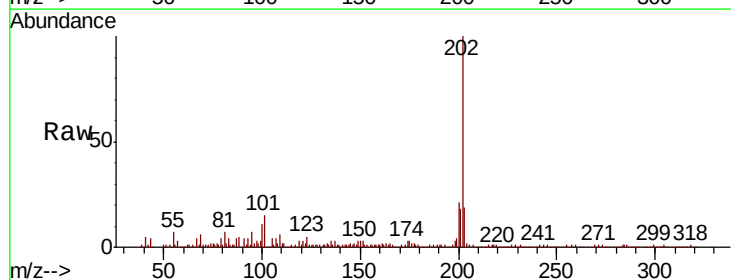
Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

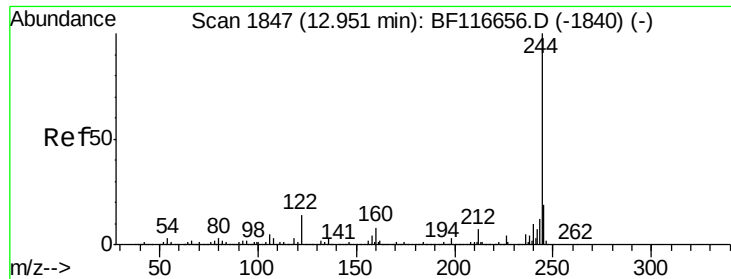
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.1	13.7
236	24.6	21.1	31.7



#78
Pyrene
Concen: 11.858 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	18.9	13.7	20.5

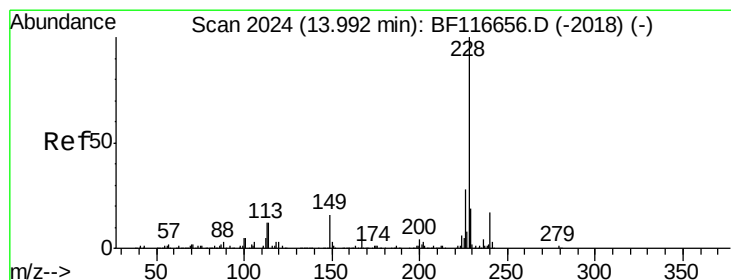
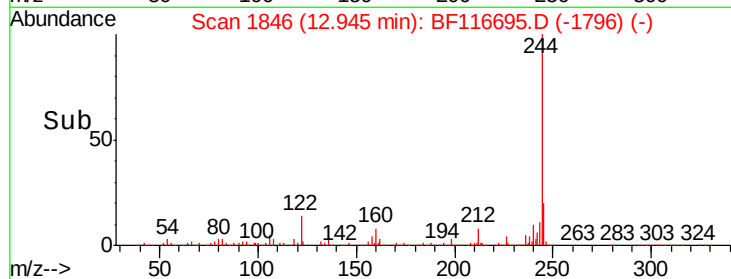
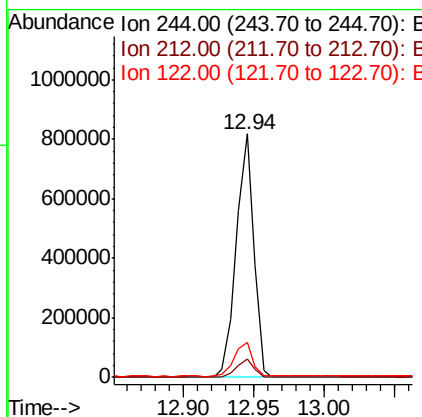
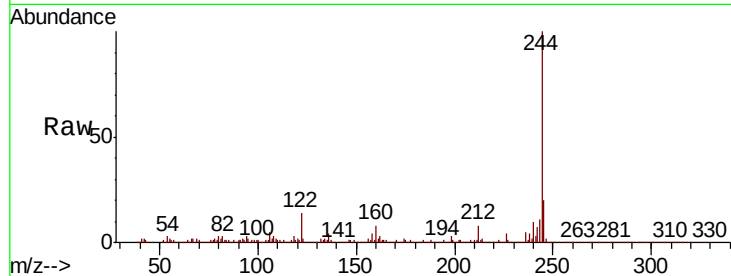




#79
 Terphenyl-d14
 Concen: 59.003 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

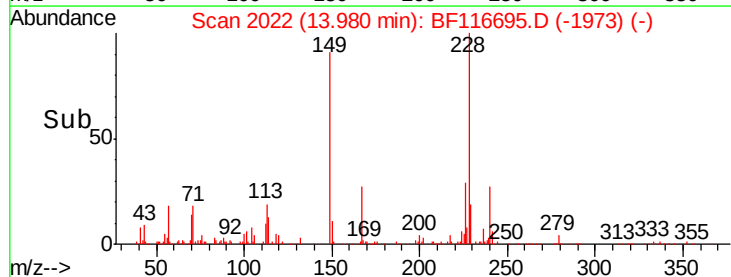
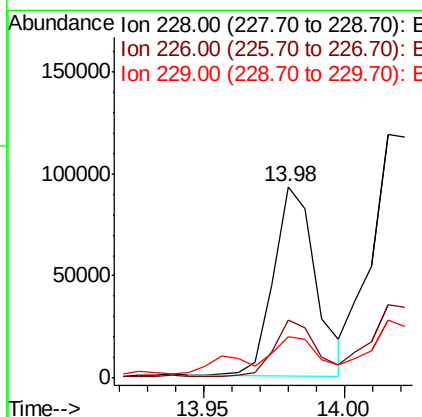
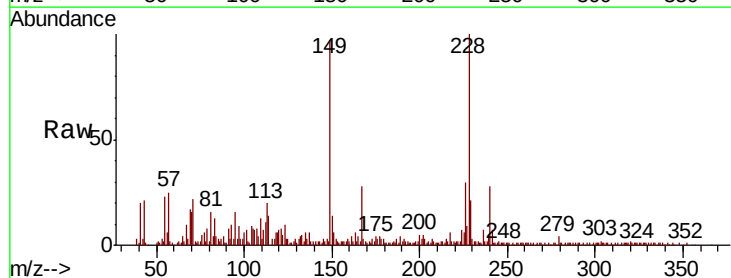
Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

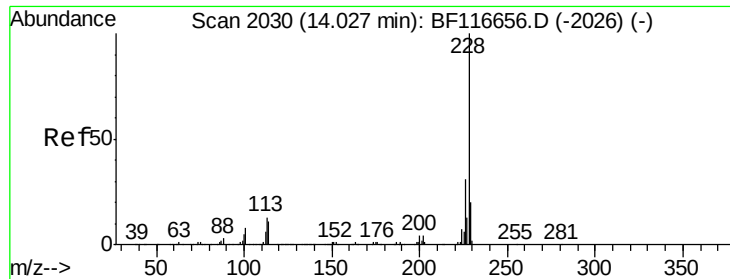
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	14.3	10.2	15.4



#81
 Benzo(a)anthracene
 Concen: 6.857 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.0	33.0
229	21.4	16.4	24.6

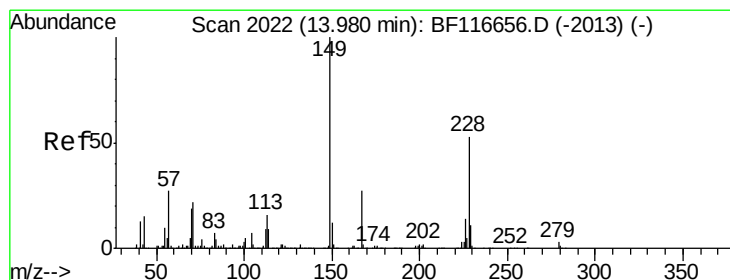
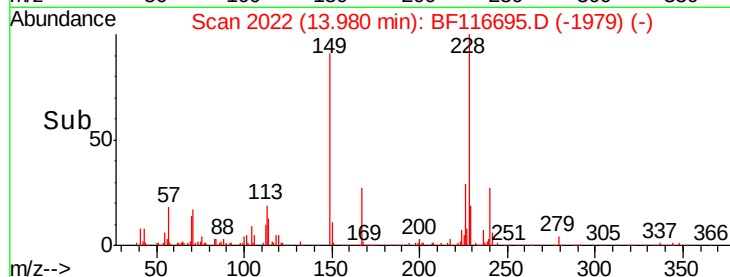
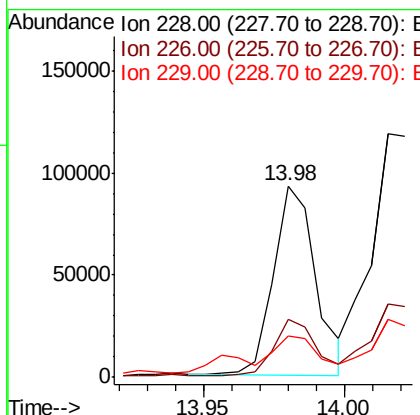
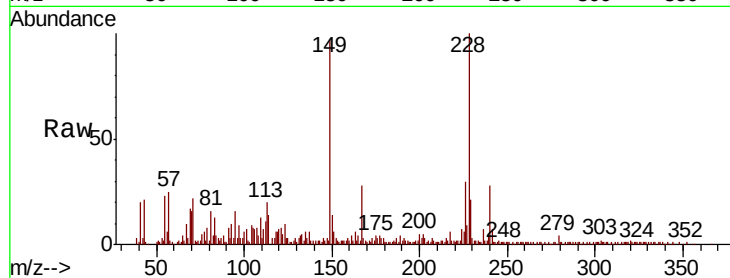




#83
 Chrysene
 Concen: 6.656 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.05 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

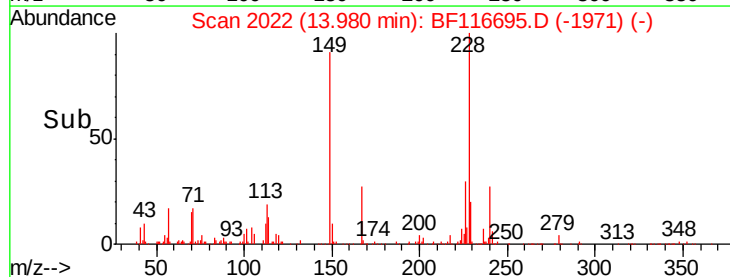
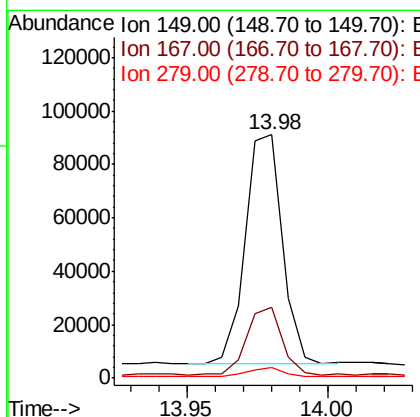
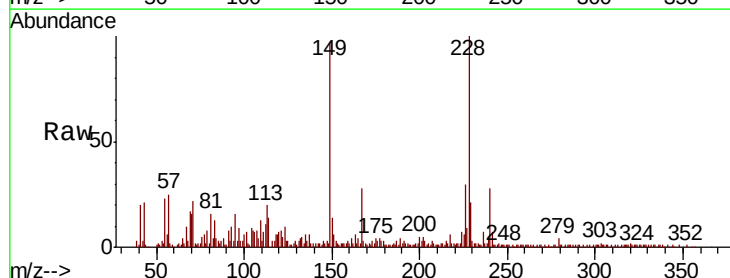
Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

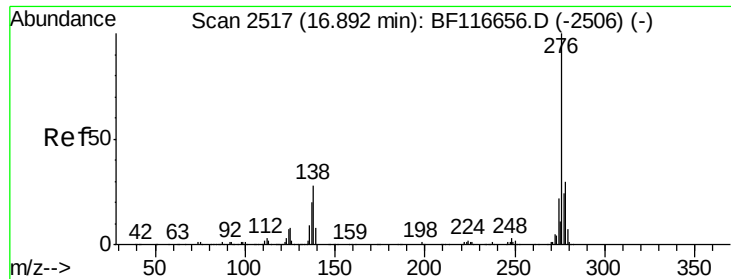
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	21.4	15.4	23.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.530 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.0	31.4
279	4.5	2.8	4.2#

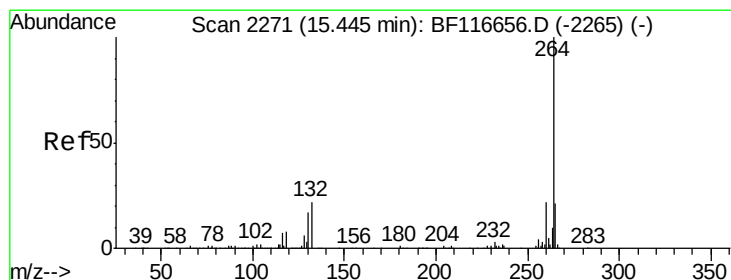
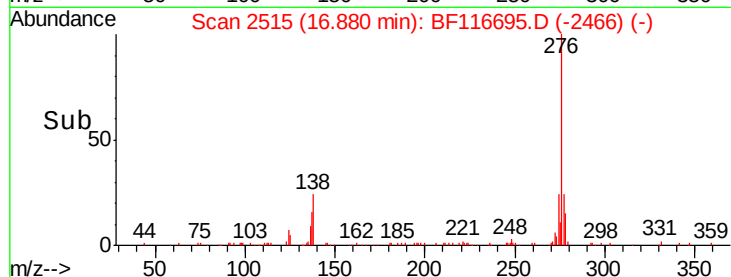
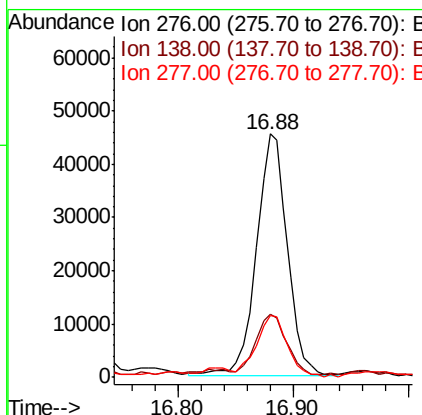
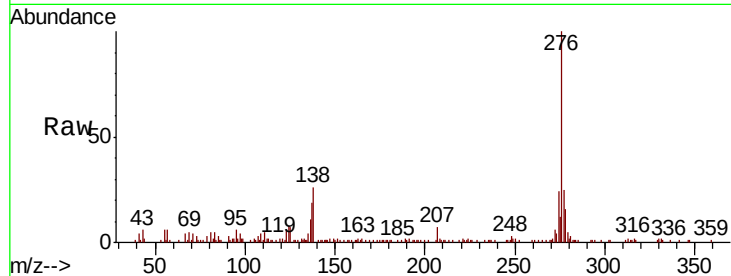




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.239 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

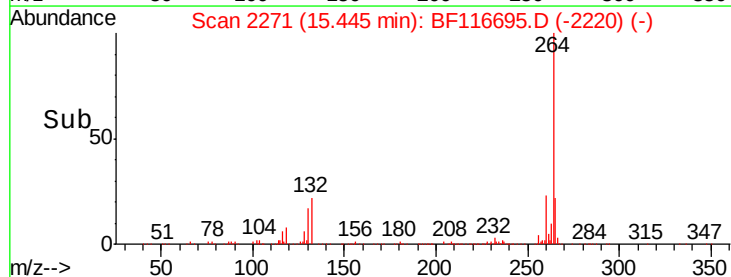
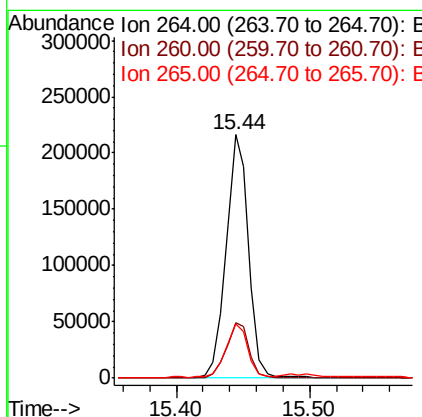
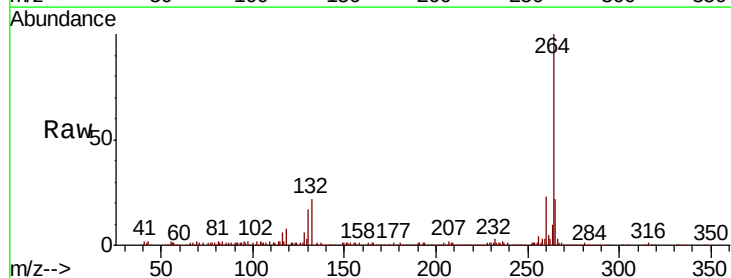
Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

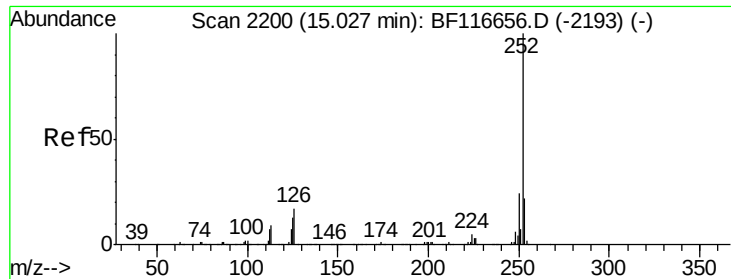
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.4	29.2
277	25.9	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.3	27.5
265	22.0	16.5	24.7

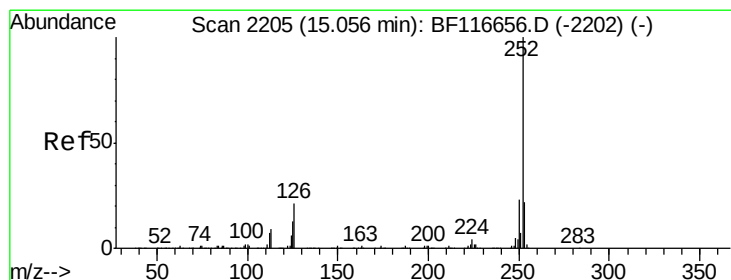
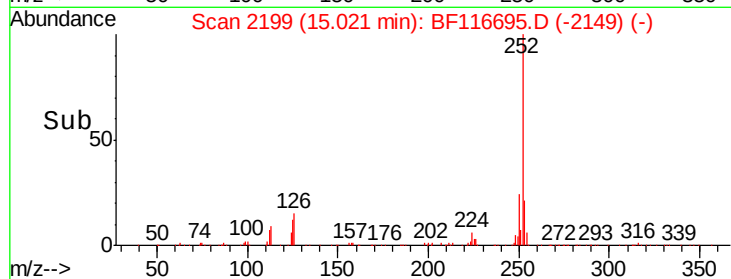
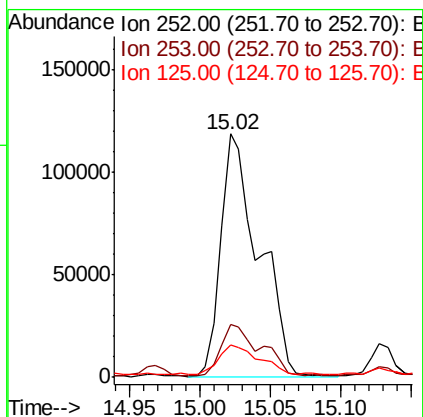
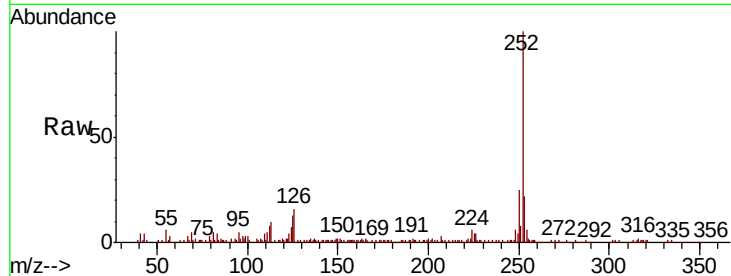




#88
Benzo(b)fluoranthene
Concen: 14.439 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

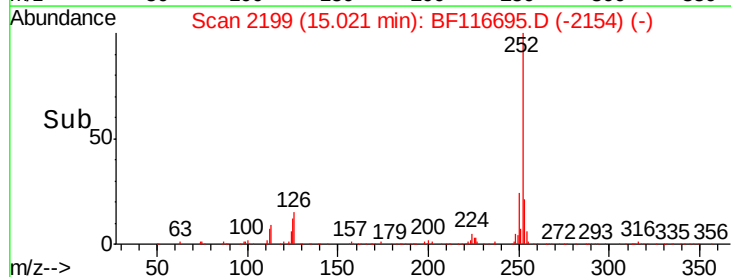
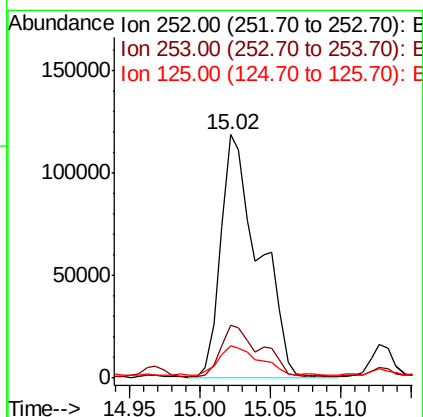
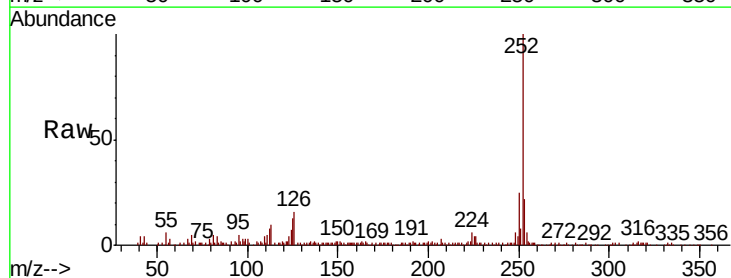
Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

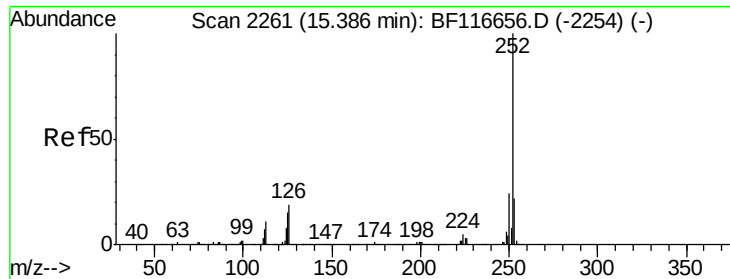
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.4	8.2	12.2



#89
Benzo(k)fluoranthene
Concen: 15.837 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.4	8.6	13.0





#90

Benzo(a)pyrene

Concen: 7.431 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

ClientSampleId :

T11-D1-D4-(0-4)

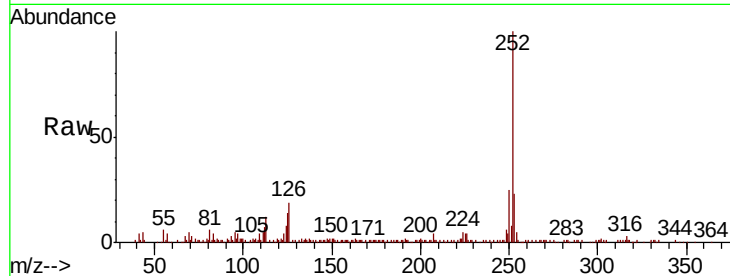
Tot Ion:252 Resp: 99876

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 14.1 9.8 14.8

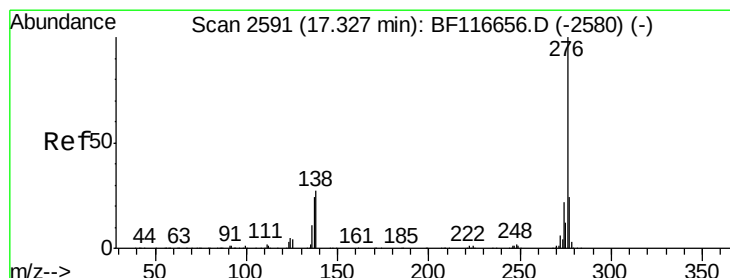
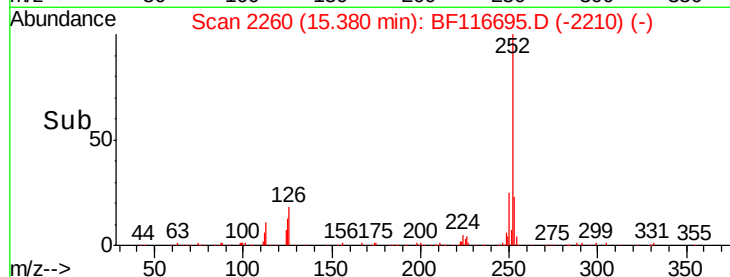
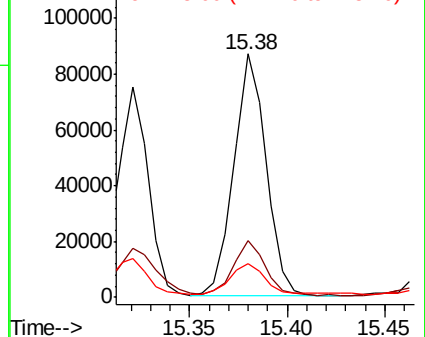


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 6.820 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

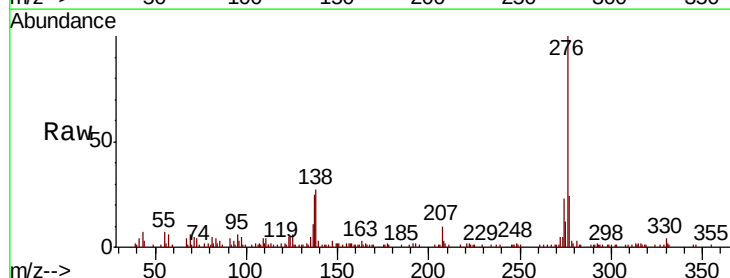
Tgt Ion:276 Resp: 81824

Ion Ratio Lower Upper

276 100

277 24.0 18.5 27.7

138 27.4 16.2 24.2#



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

