

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
 Data File : BF109848.D
 Acq On : 12 Oct 2018 21:51
 Operator : JU/SJ
 Sample : J5314-03RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Quant Time: Oct 12 22:22:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	87397	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	349759	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	142549	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	226358	20.00	ng	0.00
75) Chrysene-d12	13.83	240	191985	20.00	ng	0.00
86) Perylene-d12	15.23	264	149355	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	453758	92.16	ng	0.00
7) Phenol-d6	6.35	99	619740	94.22	ng	-0.01
23) Nitrobenzene-d5	7.26	82	405073	63.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	111286	71.65	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	614797	59.40	ng	-0.01
78) Terphenyl-d14	12.78	244	408409	41.18	ng	0.00

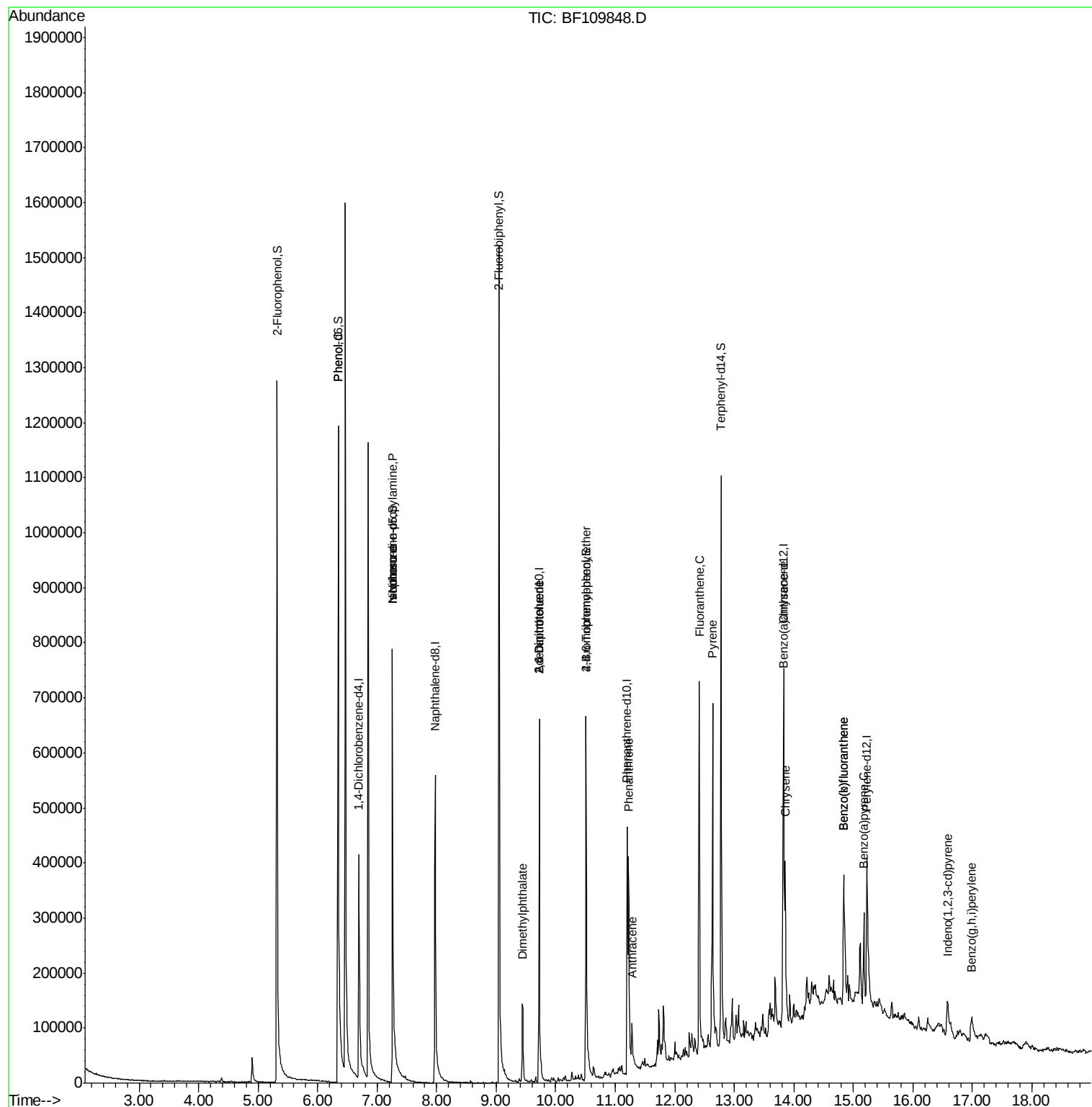
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.35	94	19535	2.590	ng	# 71
19) n-Nitroso-di-n-propylamine	7.26	70	51574	11.181	ng	# 79
25) Isophorone	7.26	82	406110	38.544	ng	# 67
49) Dimethylphthalate	9.45	163	77560	7.419	ng	99
50) 2,6-Dinitrotoluene	9.72	165	17752	7.833	ng	# 22
56) 2,4-Dinitrotoluene	9.72	165	17752	6.277	ng	# 18
66) 4-Bromophenyl-phenylether	10.51	248	6539	2.514	ng	# 1
70) Phenanthrene	11.22	178	162983	14.388	ng	99
71) Anthracene	11.28	178	66735	5.699	ng	99
74) Fluoranthene	12.41	202	350557	29.623	ng	98
77) Pyrene	12.63	202	301784	21.455	ng	98
80) Benzo(a)anthracene	13.82	228	166040	15.672	ng	97
82) Chrysene	13.86	228	135654	12.190	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	51418	6.455	ng	# 93
87) Benzo(b)fluoranthene	14.84	252	186111	22.549	ng	97
88) Benzo(k)fluoranthene	14.84	252	186111	22.442	ng	# 96
89) Benzo(a)pyrene	15.17	252	95442	12.743	ng	98
91) Benzo(g,h,i)perylene	16.98	276	50758	8.263	ng	99

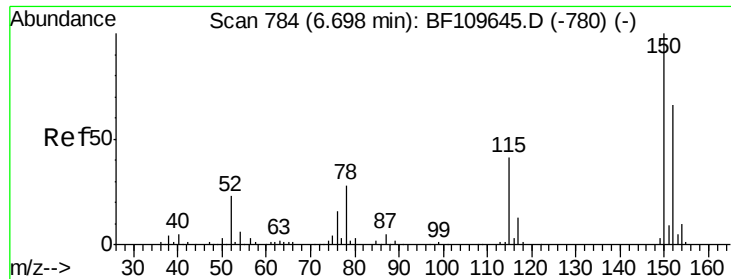
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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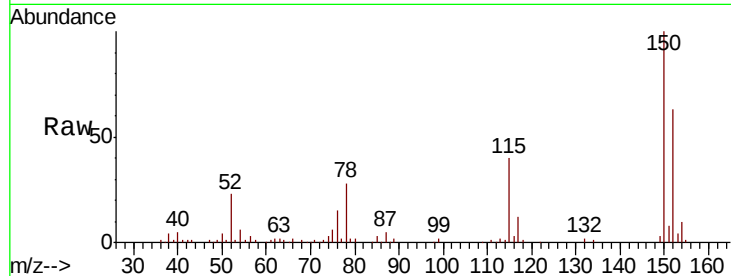




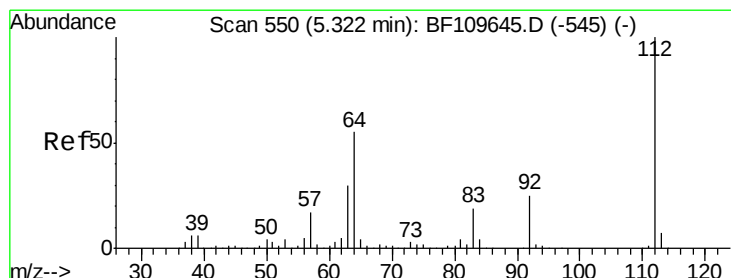
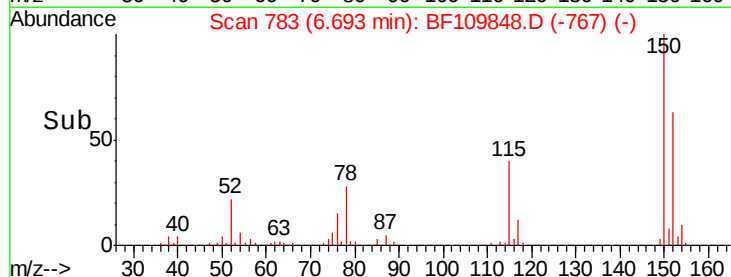
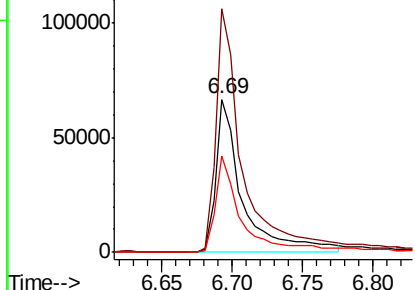
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:152 Resp: 87397
 Ion Ratio Lower Upper
 152 100
 150 159.4 122.7 184.1
 115 63.4 49.1 73.7

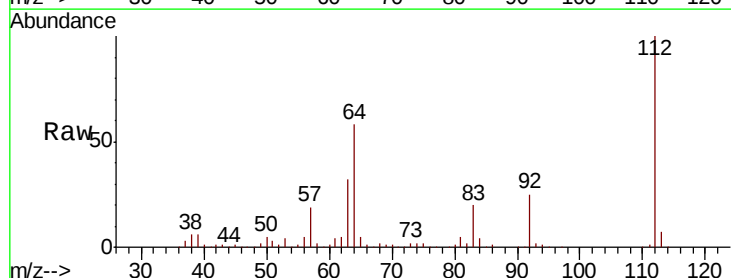


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

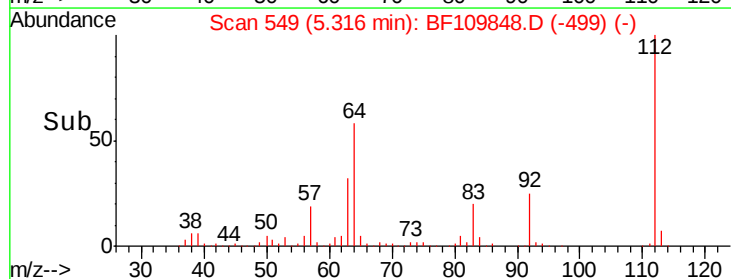
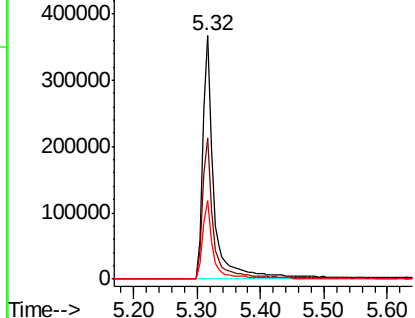


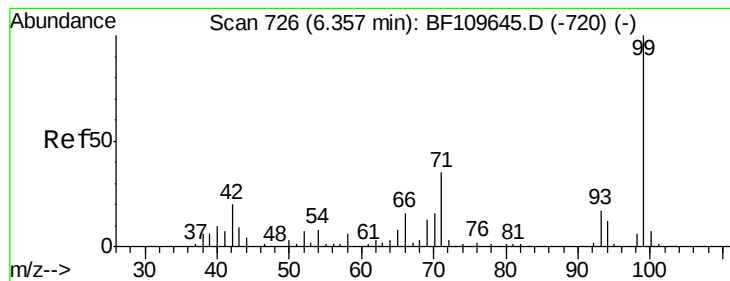
#5
 2-Fluorophenol
 Concen: 92.158 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Tgt Ion:112 Resp: 453758
 Ion Ratio Lower Upper
 112 100
 64 58.1 44.1 66.1
 63 32.0 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: 94.221 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

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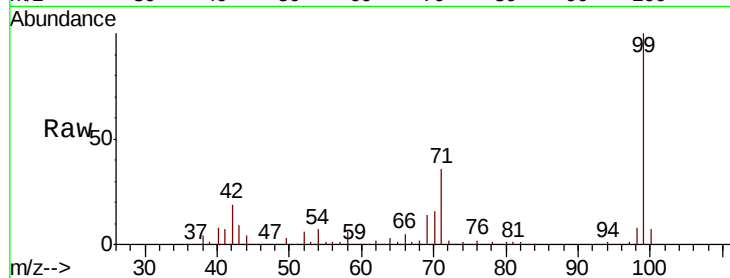
Tgt Ion: 99 Resp: 619740

Ion Ratio Lower Upper

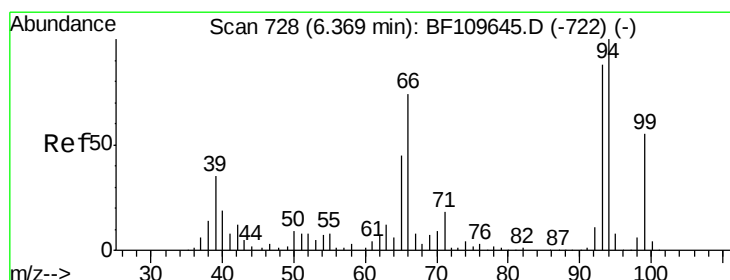
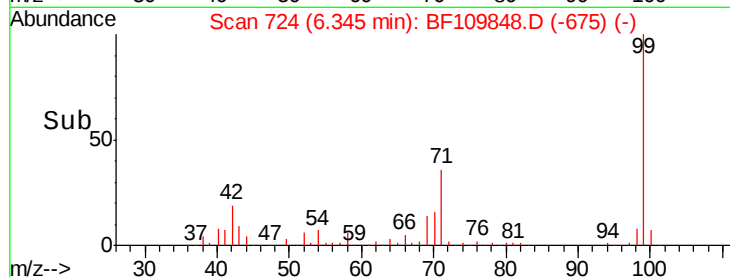
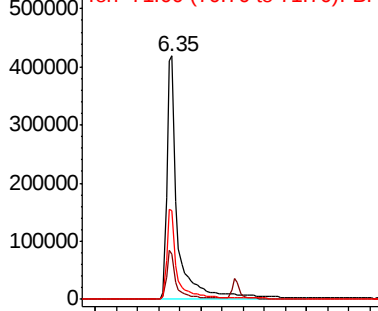
99 100

42 18.6 15.8 23.6

71 36.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.590 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

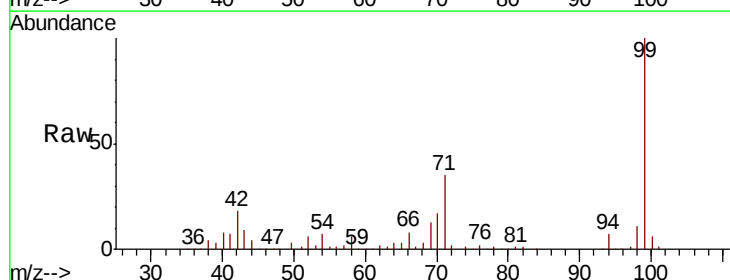
Tgt Ion: 94 Resp: 19535

Ion Ratio Lower Upper

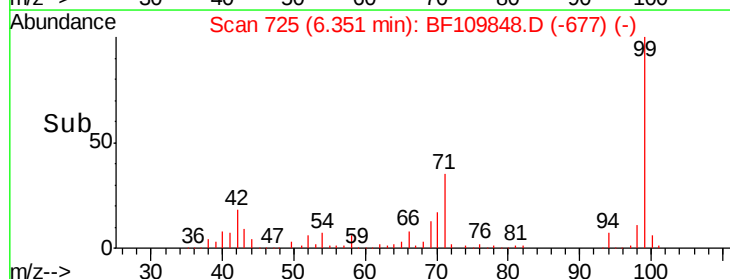
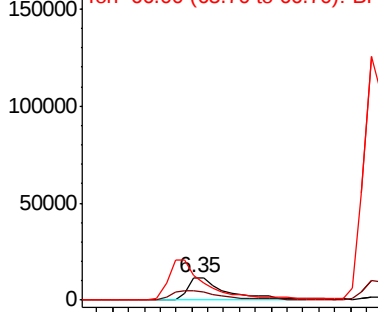
94 100

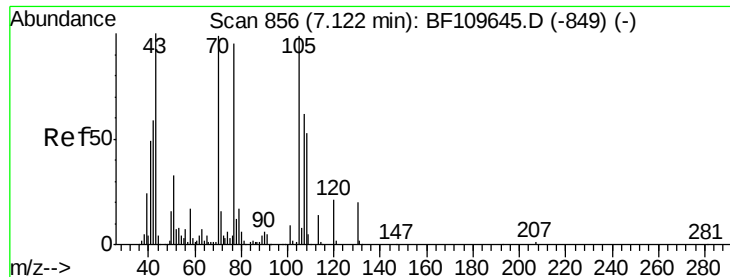
65 41.2 25.3 65.3

66 111.4 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

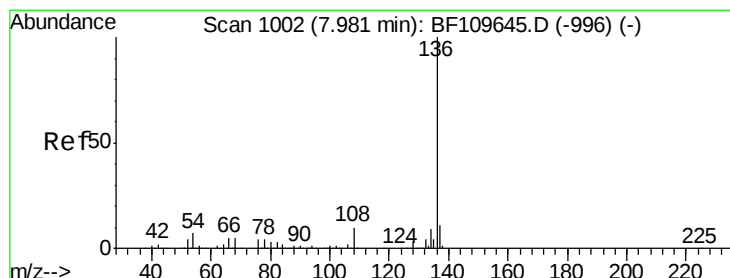
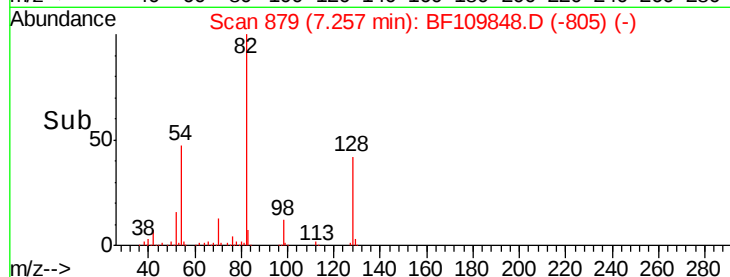
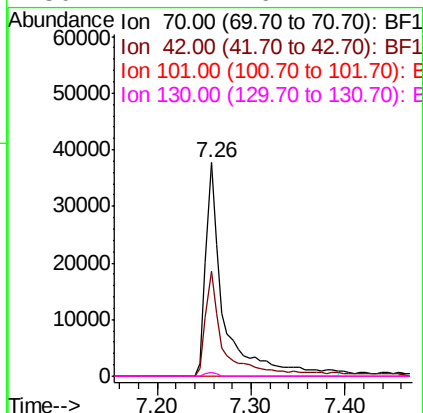
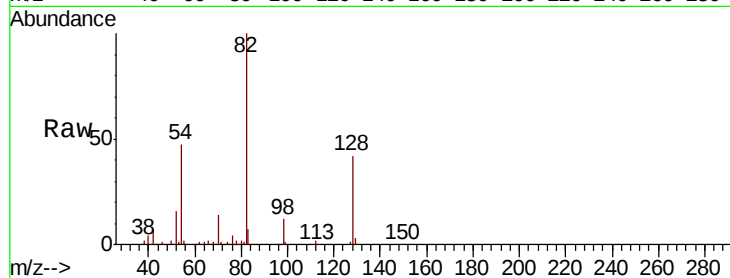




#19
n-Nitroso-di-n-propylamine
Concen: 11.181 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.14 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

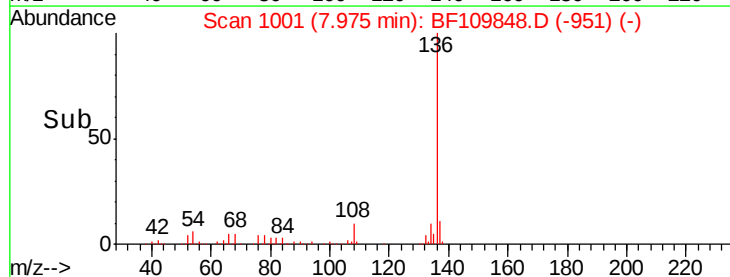
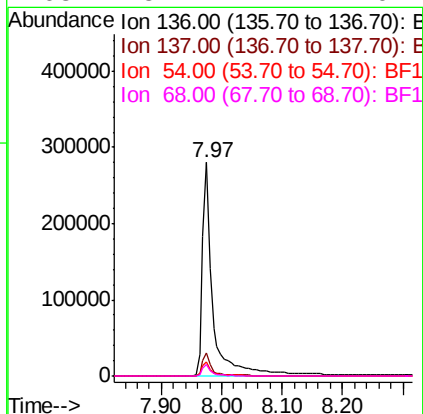
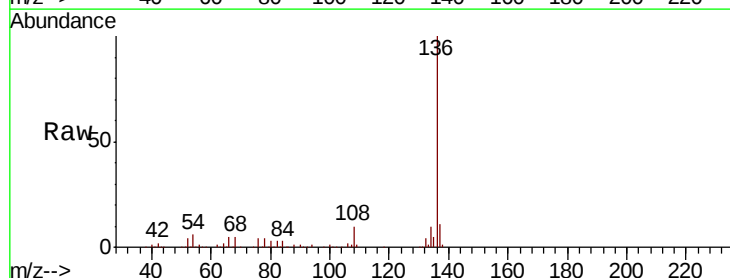
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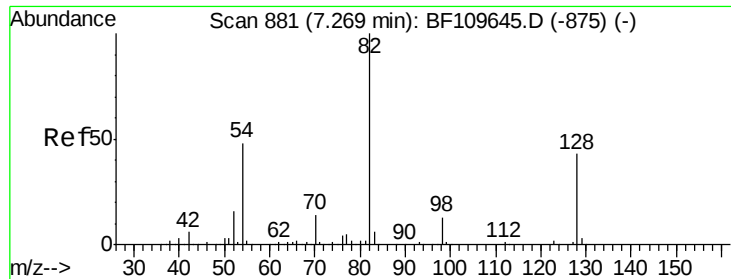
Tgt Ion: 70 Resp: 51574
Ion Ratio Lower Upper
70 100
42 49.0 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion: 136 Resp: 349759
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.3 5.4 8.2
68 5.4 4.2 6.2

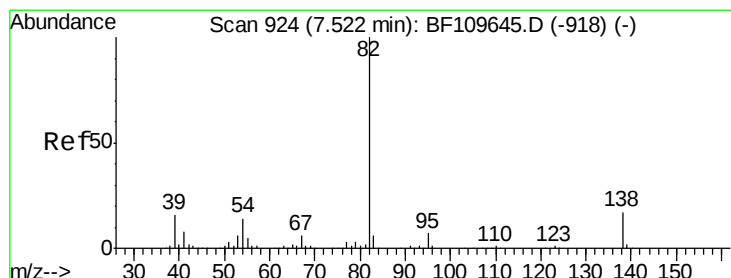
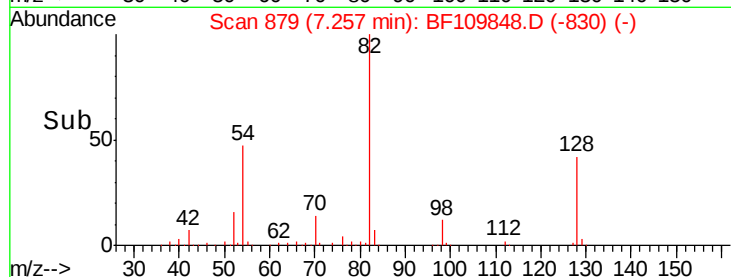
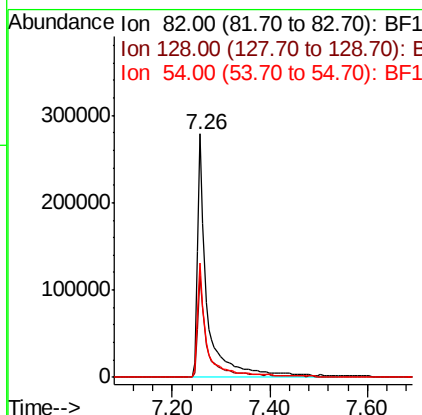
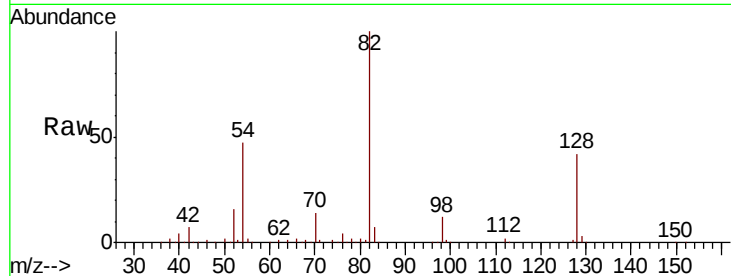




#23
 Nitrobenzene-d5
 Concen: 63.841 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

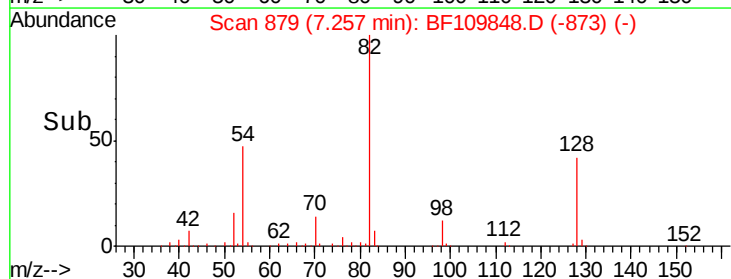
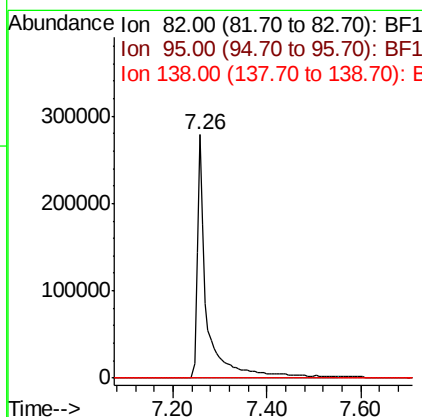
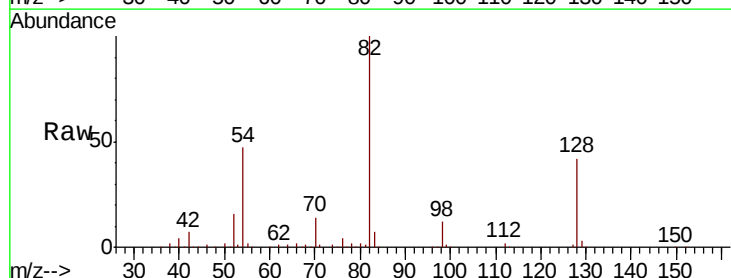
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

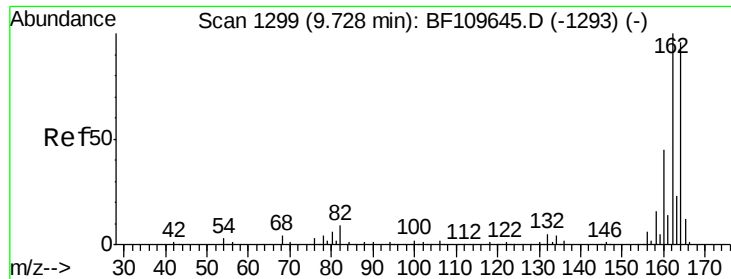
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.2	51.2
54	47.2	38.6	58.0



#25
 Isophorone
 Concen: 38.544 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.26 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-20

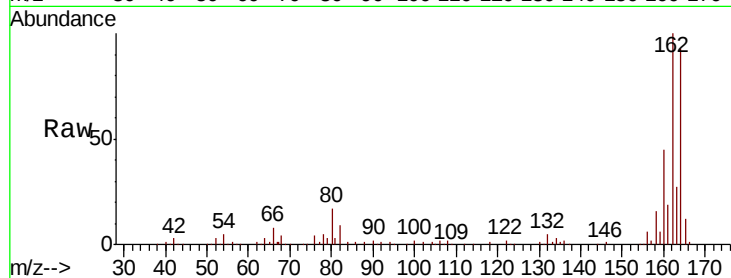
Tgt Ion:164 Resp: 142549

Ion Ratio Lower Upper

164 100

162 107.0 83.0 124.6

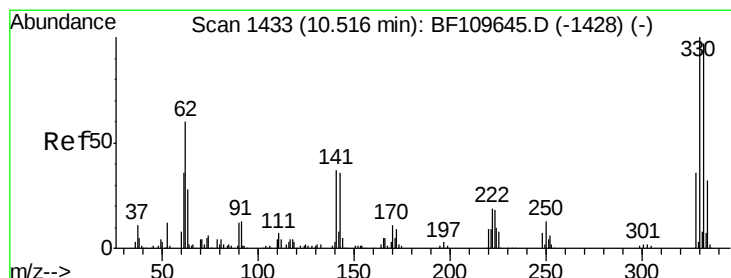
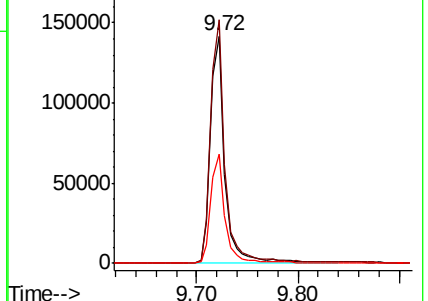
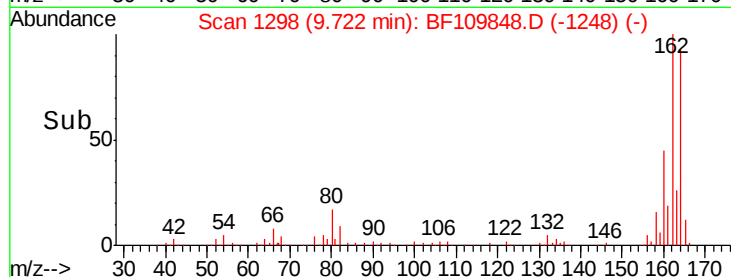
160 48.2 37.0 55.6



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



#41

2,4,6-Tribromophenol

Concen: 71.648 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

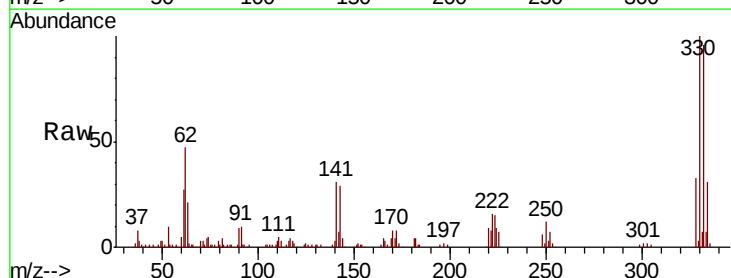
Tgt Ion:330 Resp: 111286

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

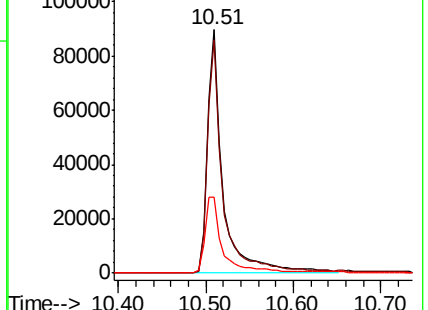
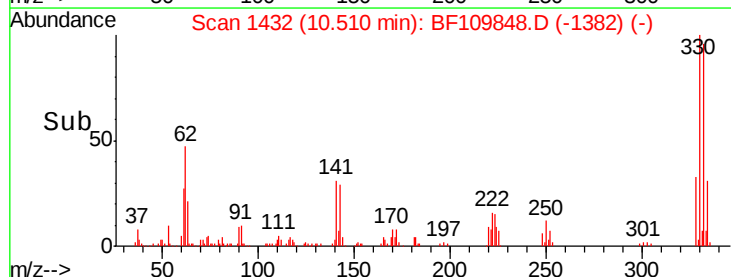
141 35.7 27.0 40.4

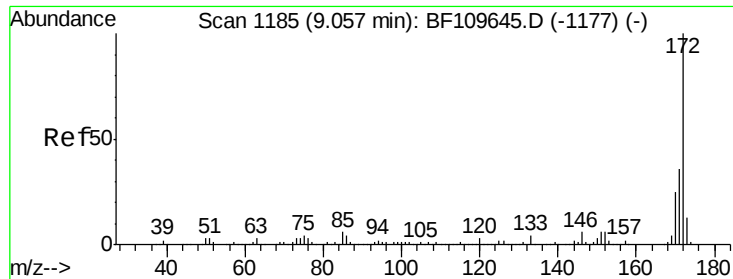


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

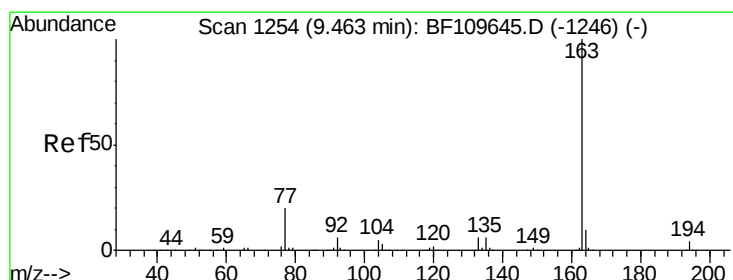
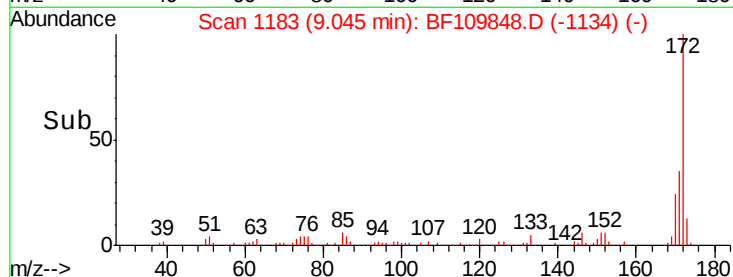
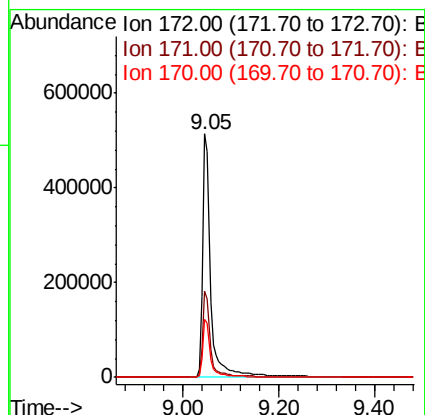
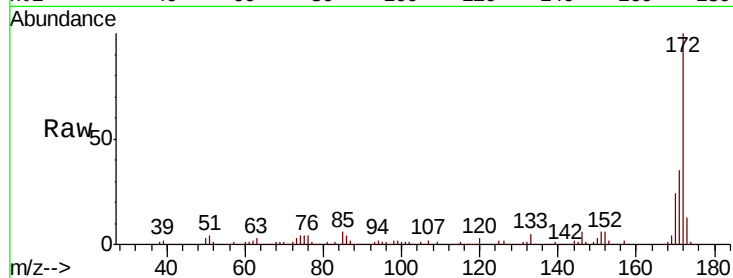




#44
2-Fluorobiphenyl
Concen: 59.399 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

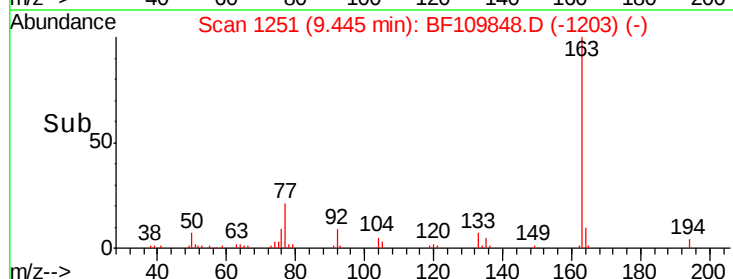
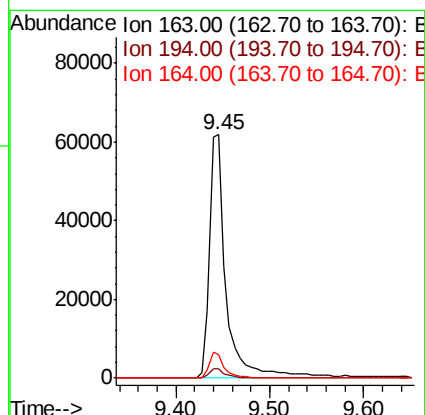
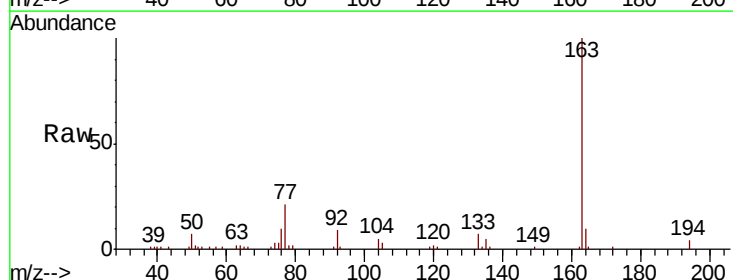
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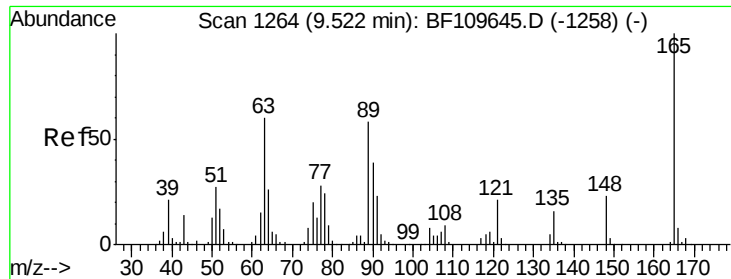
Tgt Ion:172 Resp: 614797
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.8 19.7 29.5



#49
Dimethylphthalate
Concen: 7.419 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion:163 Resp: 77560
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.6 8.1 12.1

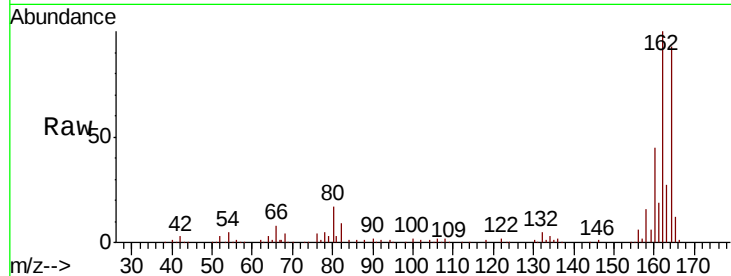




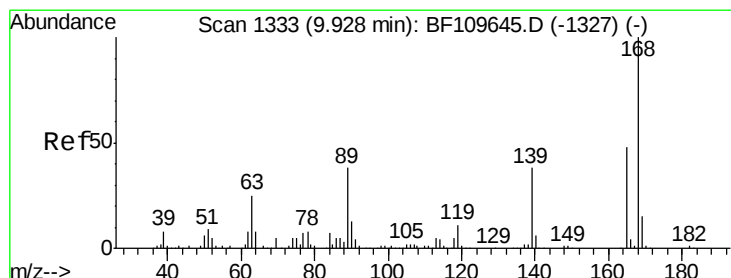
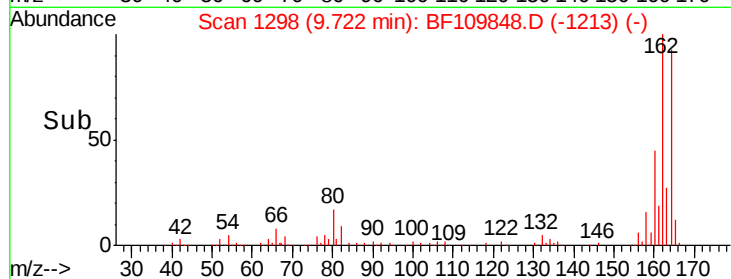
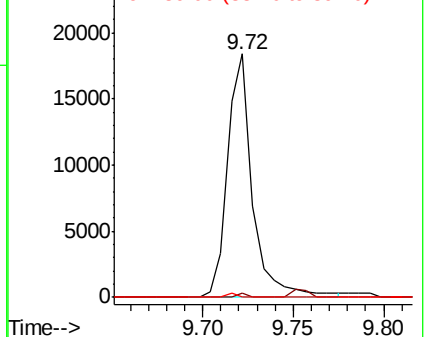
#50
 2,6-Dinitrotoluene
 Concen: 7.833 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	48.9	73.3#
89	0.0	46.6	69.8#

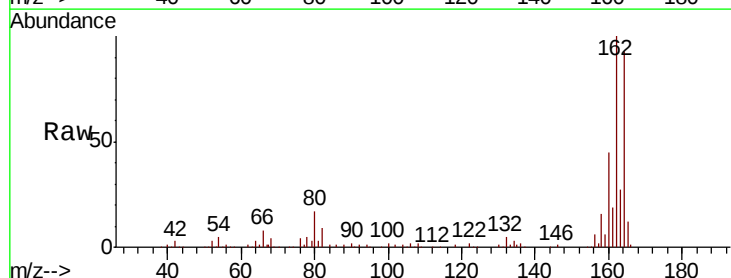


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

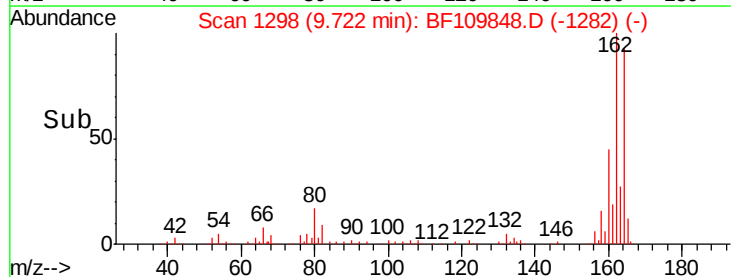
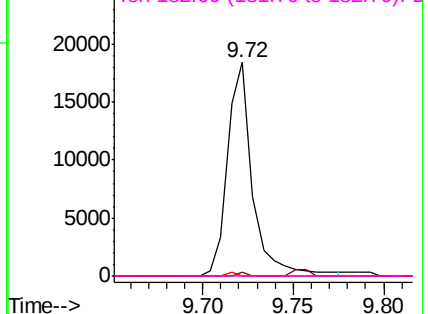


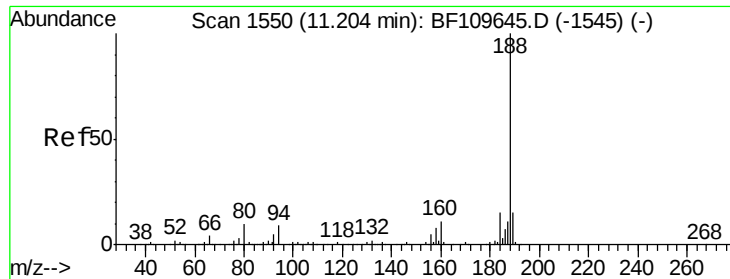
#56
 2,4-Dinitrotoluene
 Concen: 6.277 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.8	67.2#
89	0.0	62.2	93.4#
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

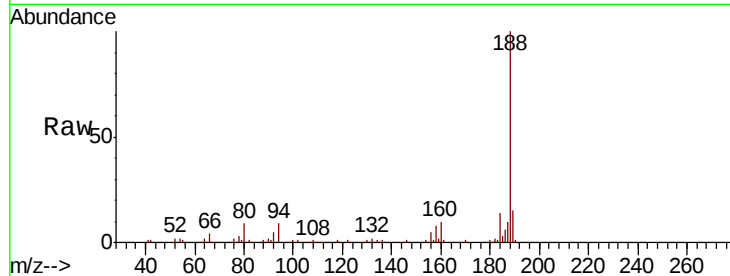




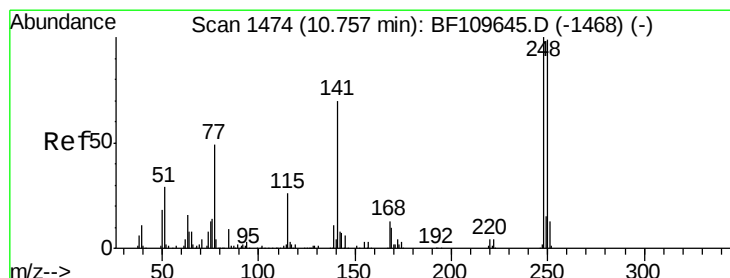
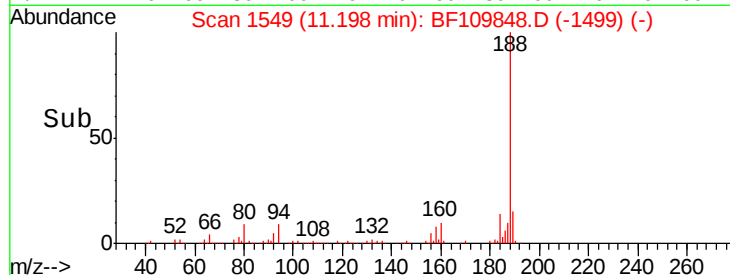
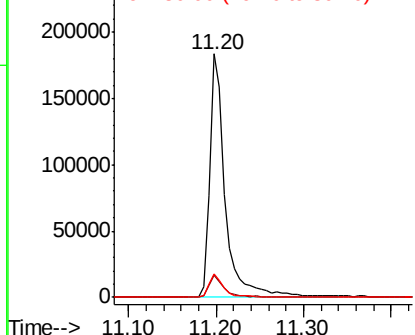
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tgt Ion:188 Resp: 226358
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.4 7.9 11.9

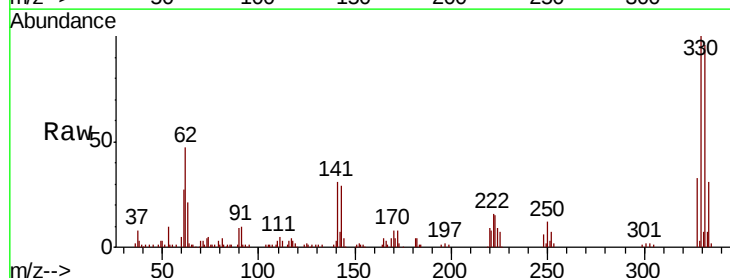


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

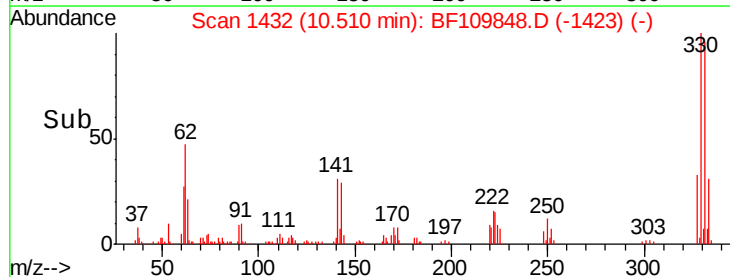
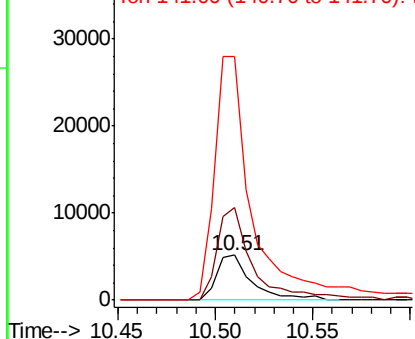


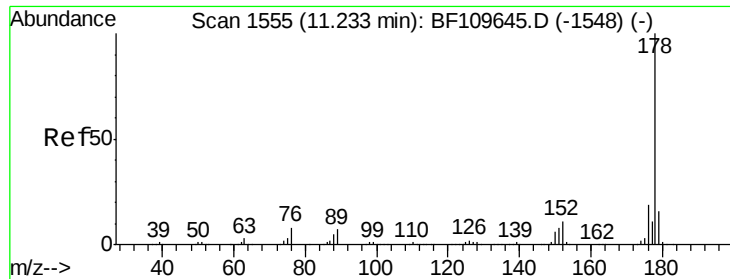
#66
4-Bromophenyl-phenylether
Concen: 2.514 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion:248 Resp: 6539
Ion Ratio Lower Upper
248 100
250 206.1 79.4 119.2#
141 543.4 55.9 83.9#



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

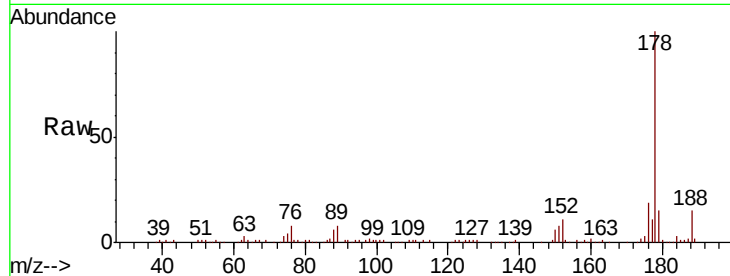




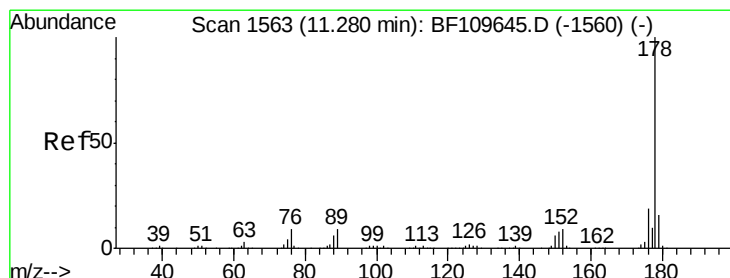
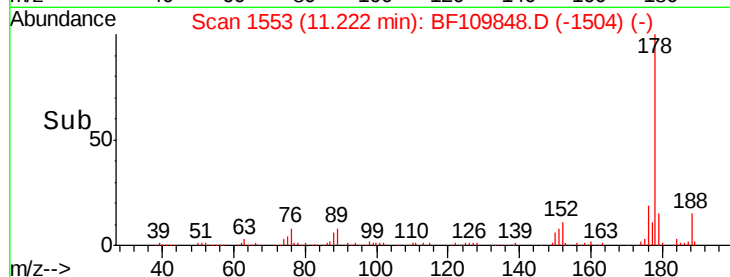
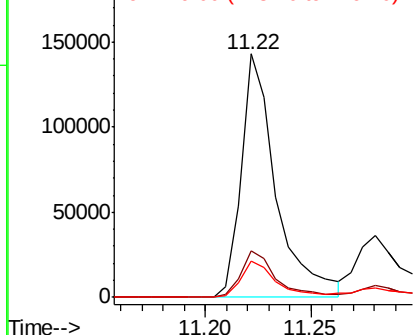
#70
Phenanthrene
Concen: 14.388 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tgt Ion:178 Resp: 162983
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.5 18.7

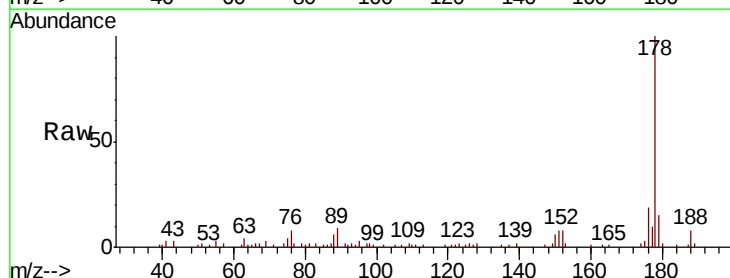


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

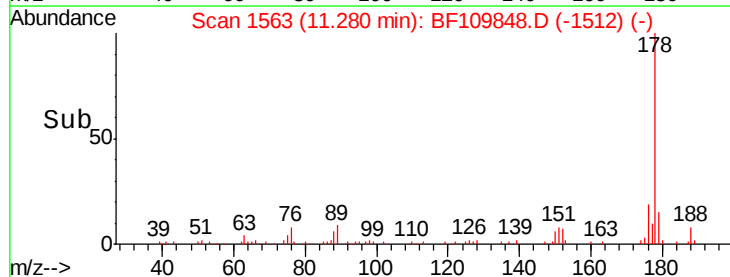
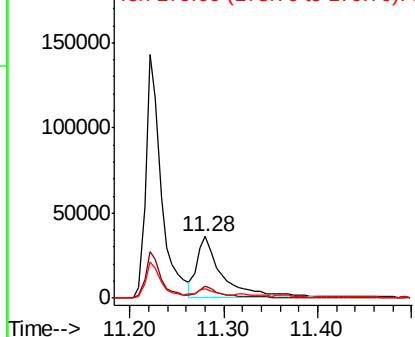


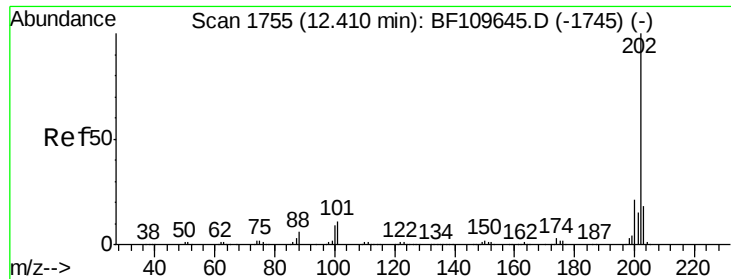
#71
Anthracene
Concen: 5.699 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion:178 Resp: 66735
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.4 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





#74

Fluoranthene

Concen: 29.623 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

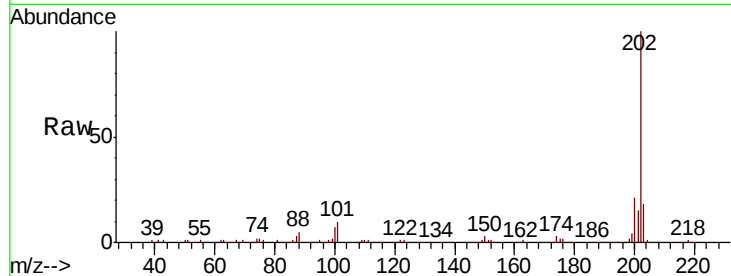
Instrument :

BNA_F

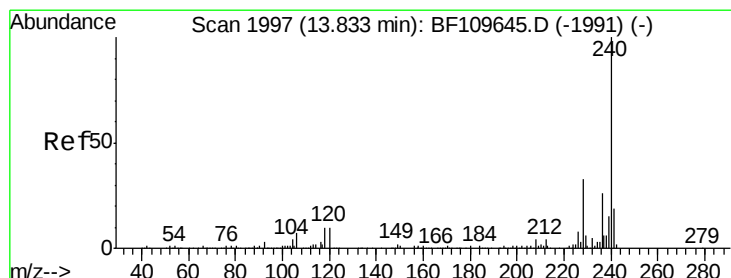
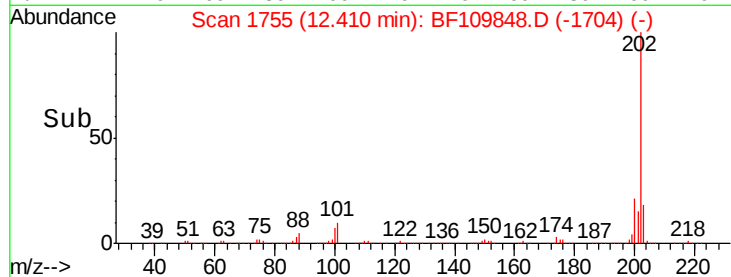
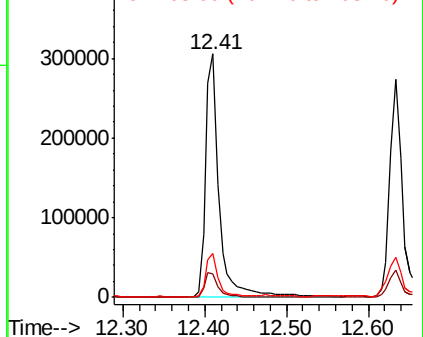
ClientSampleId :

DOCUMENTATION-20

Tgt Ion:	202	Resp:	350557
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.4
203	17.8	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



#75

Chrysene-d12

Concen: 20.000 ng

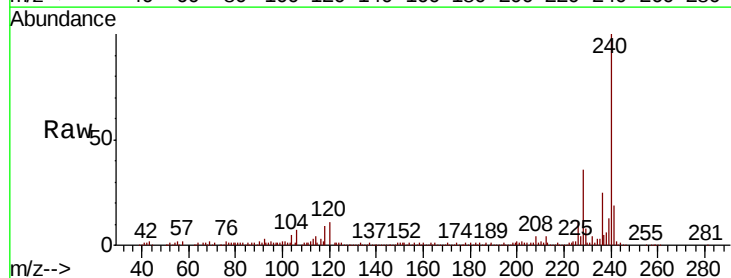
RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

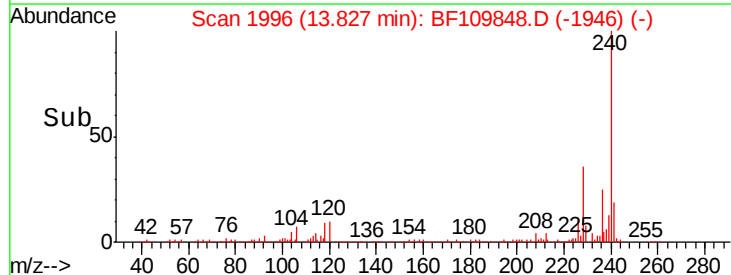
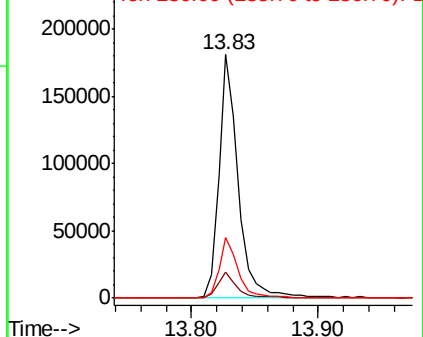
Lab File: BF109848.D

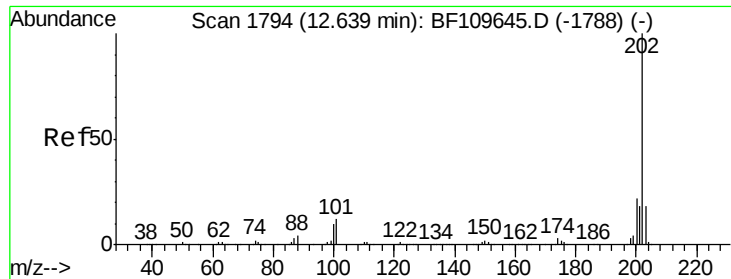
Acq: 12 Oct 2018 21:51

Tgt Ion:	240	Resp:	191985
Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	24.7	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

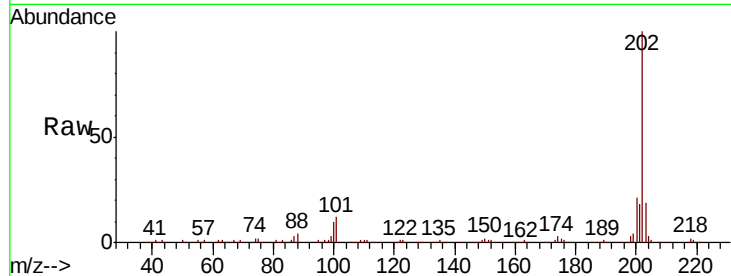




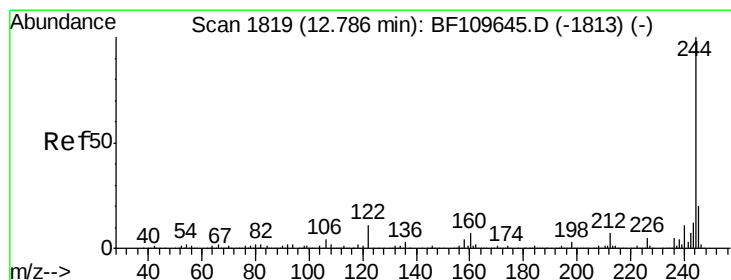
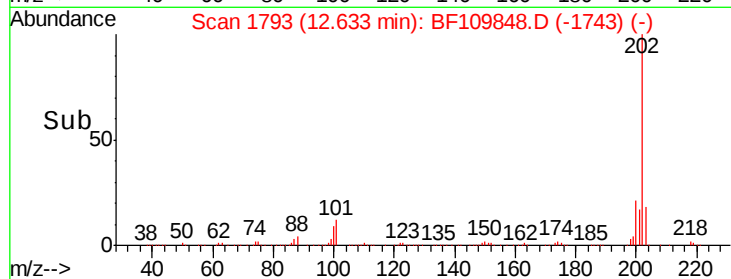
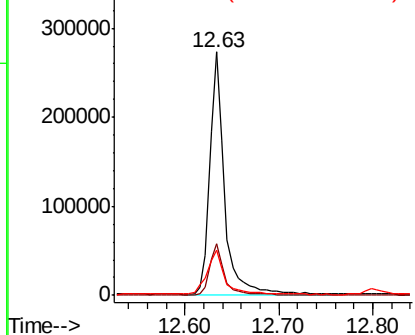
#77
 Pyrene
 Concen: 21.455 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tgt Ion: 202 Resp: 301784
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.8 26.6
 203 18.6 14.2 21.4

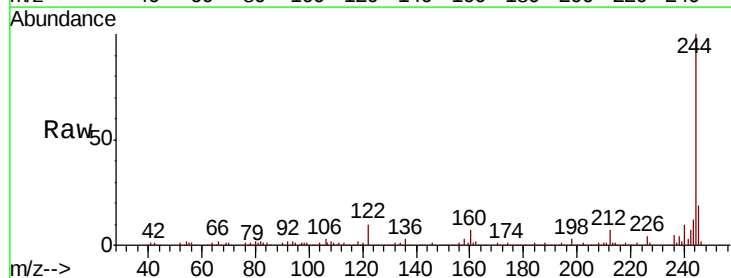


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

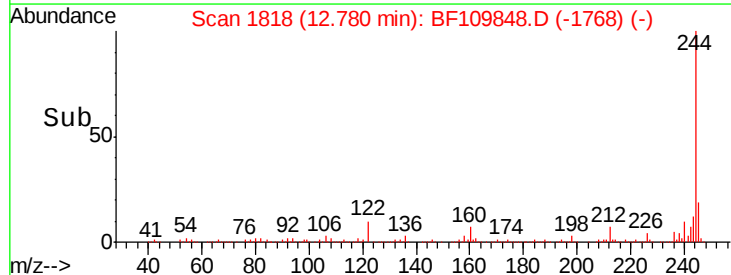
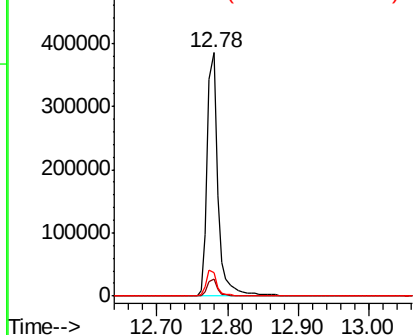


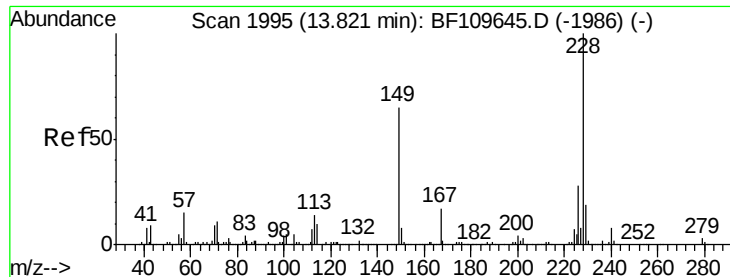
#78
 Terphenyl-d14
 Concen: 41.181 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Tgt Ion: 244 Resp: 408409
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 9.7 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.672 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-20

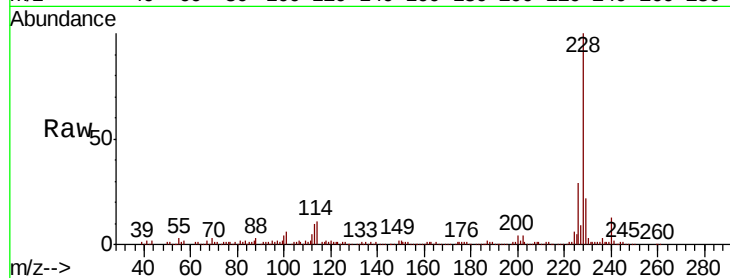
Tgt Ion:228 Resp: 166040

Ion Ratio Lower Upper

228 100

226 28.6 22.1 33.1

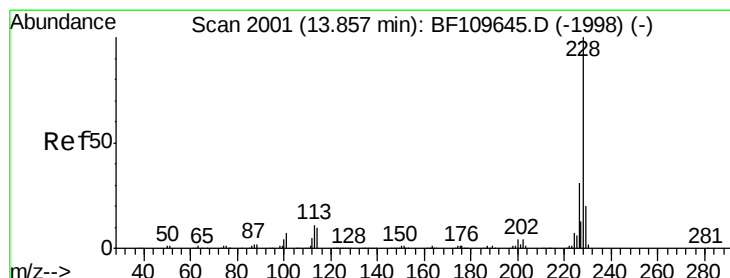
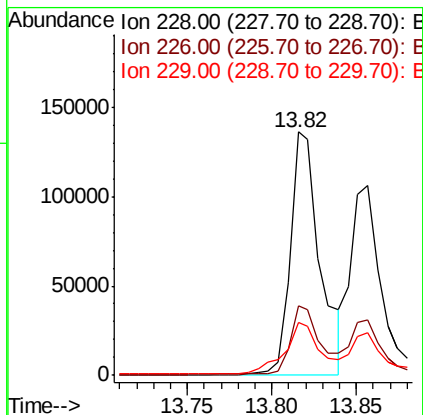
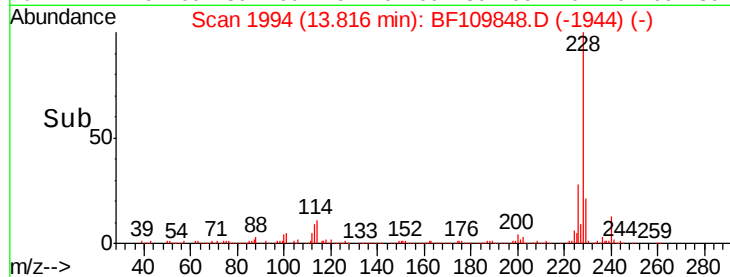
229 21.6 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 12.190 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

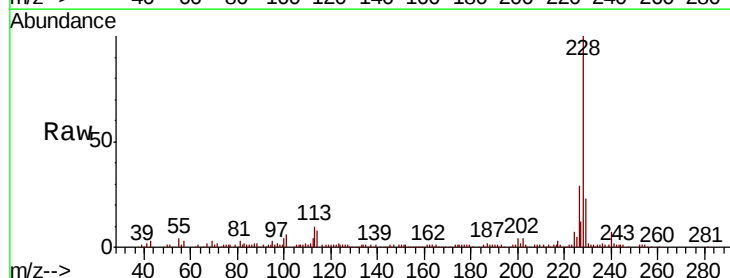
Tgt Ion:228 Resp: 135654

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

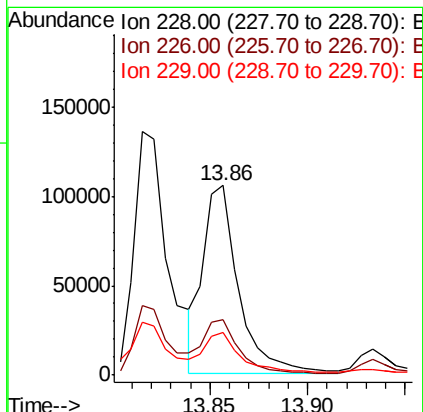
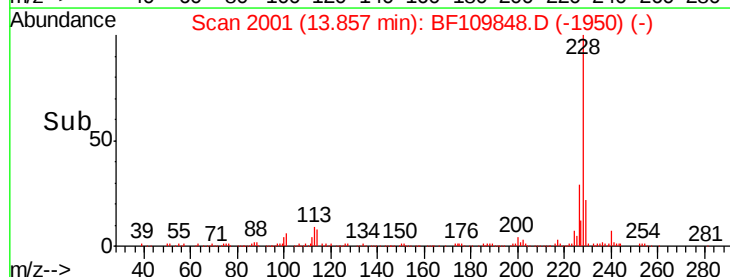
229 22.6 15.9 23.9

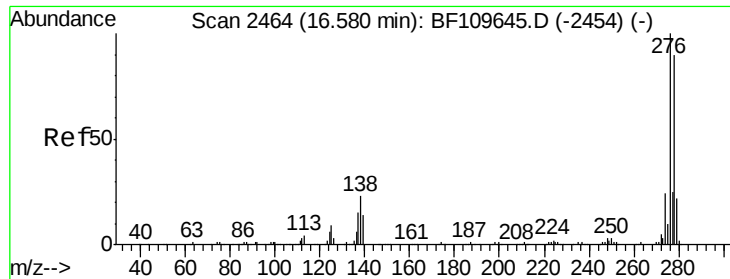


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

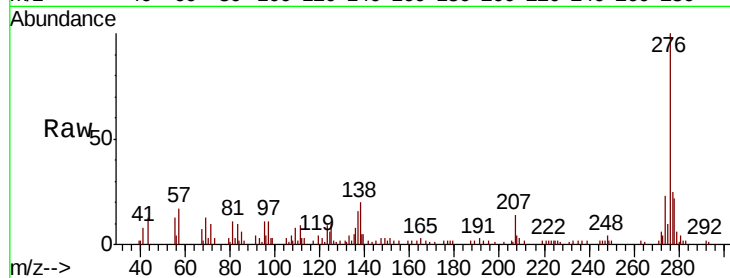




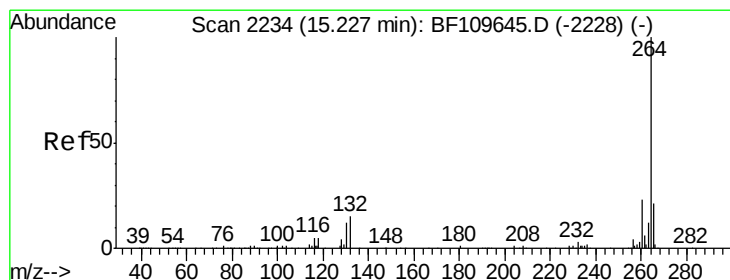
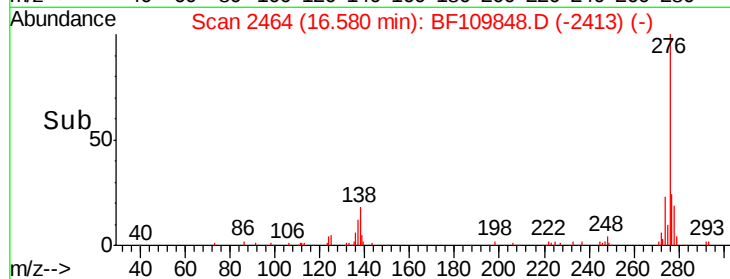
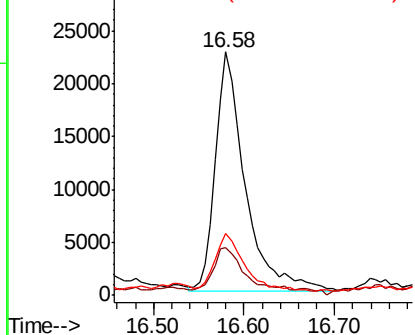
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.455 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	18.5	27.7#
277	23.7	20.0	30.0

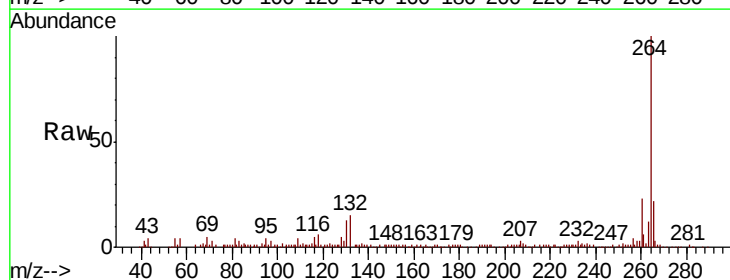


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

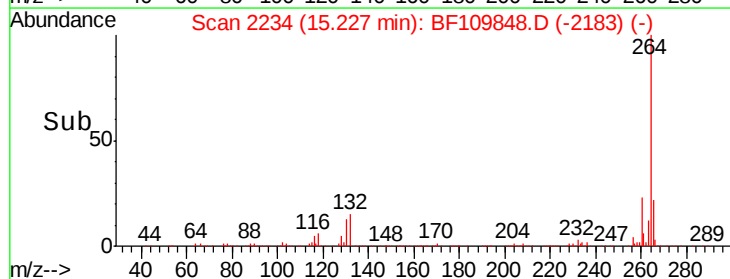
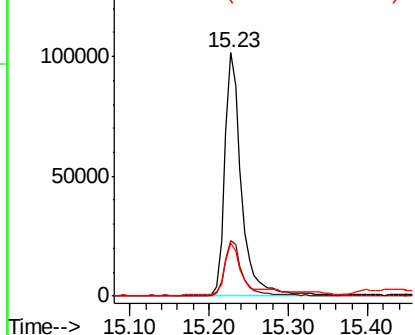


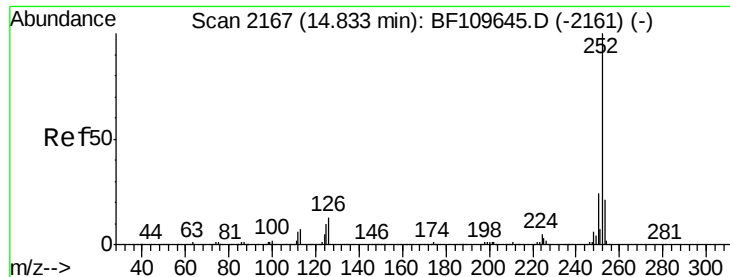
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	21.6	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





#87

Benzo(b)fluoranthene

Concen: 22.549 ng

RT: 14.84 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-20

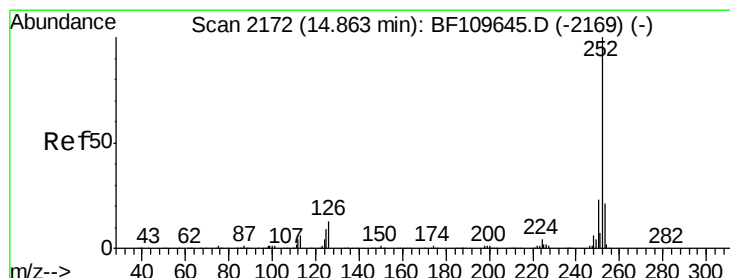
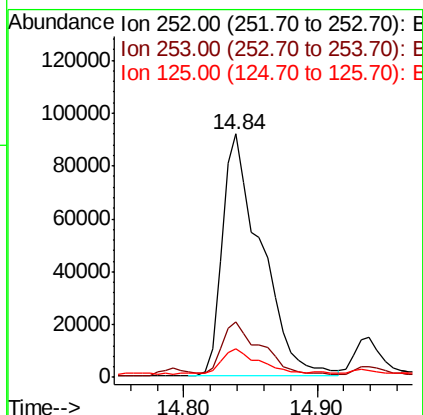
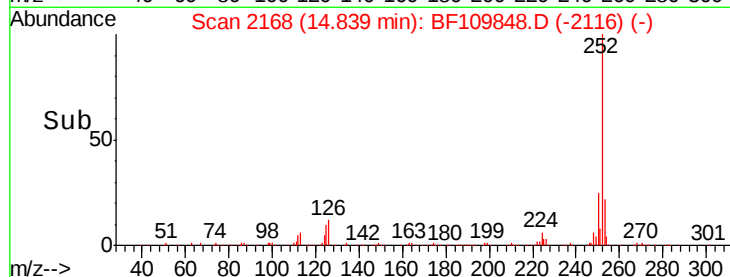
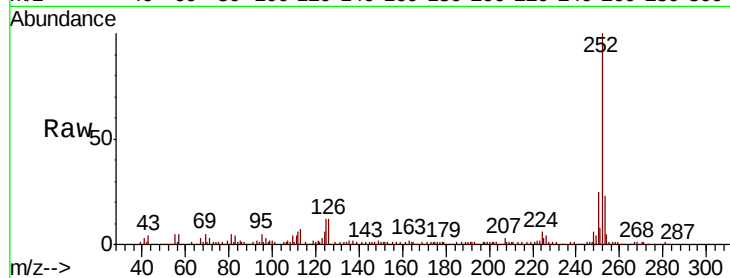
Tgt Ion:252 Resp: 186111

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 11.7 8.2 12.4



#88

Benzo(k)fluoranthene

Concen: 22.442 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

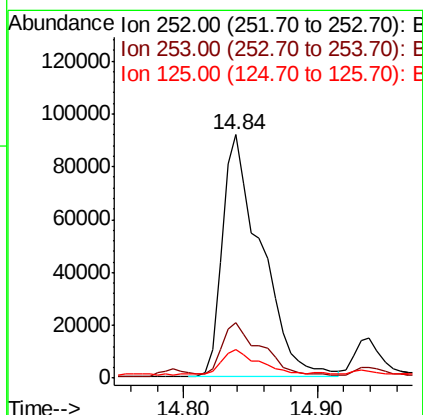
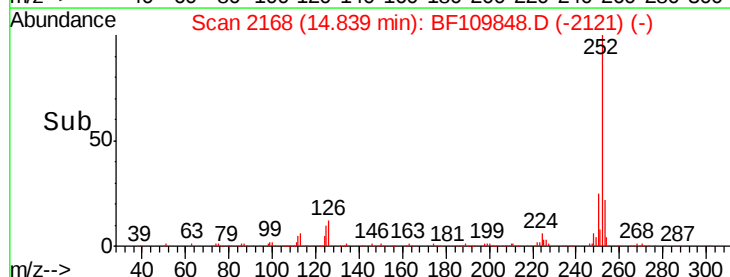
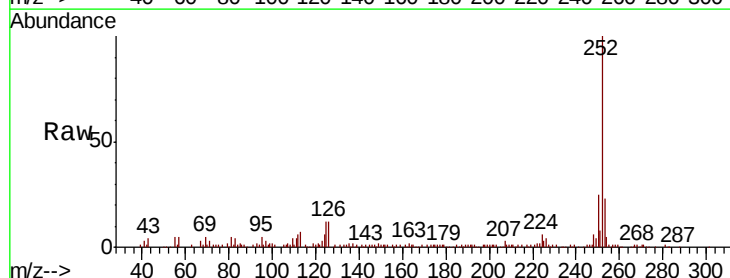
Tgt Ion:252 Resp: 186111

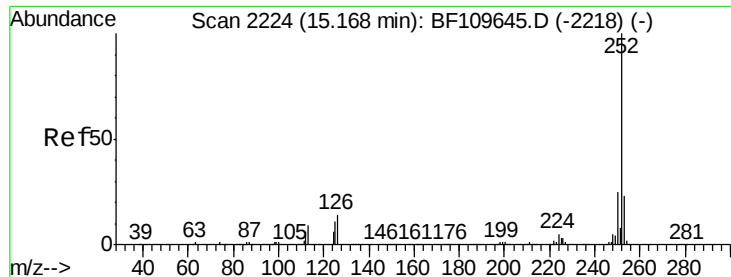
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 11.7 7.4 11.0#





#89

Benzo(a)pyrene

Concen: 12.743 ng

RT: 15.17 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-20

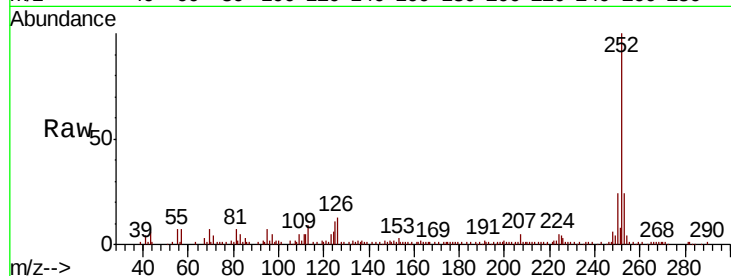
Tgt Ion:252 Resp: 95442

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.4

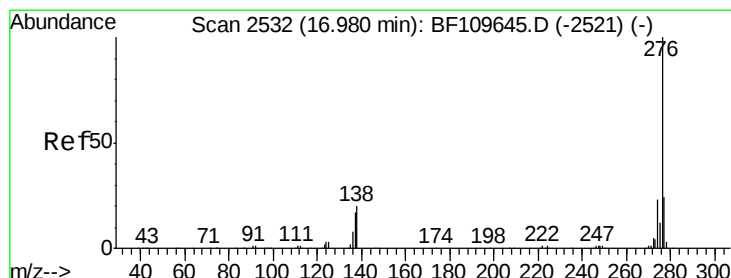
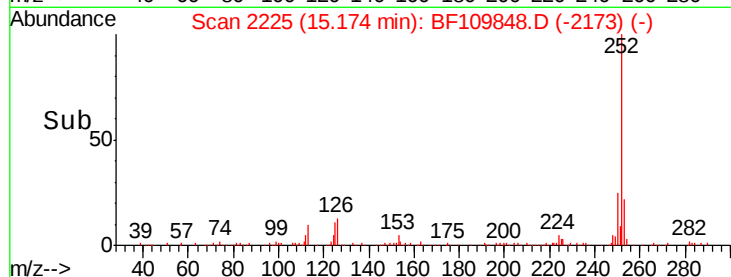
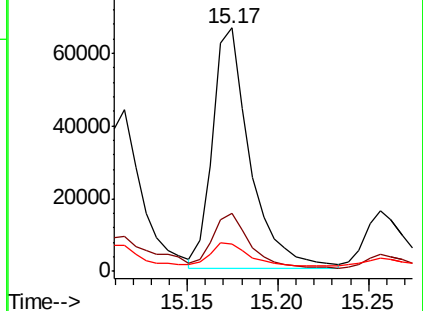
125 11.4 9.0 13.6



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

Benzo(g,h,i)perylene

Concen: 8.263 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.00 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

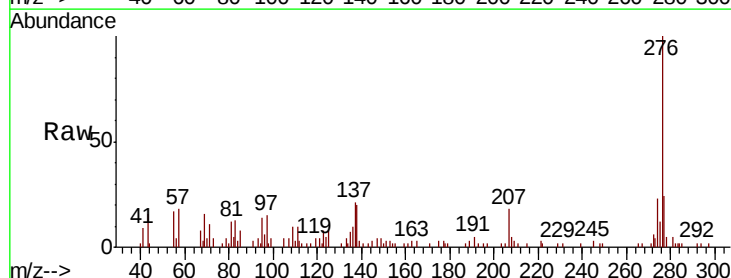
Tgt Ion:276 Resp: 50758

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 19.8 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

