

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
 Data File : BF109805.D
 Acq On : 11 Oct 2018 23:52
 Operator : JU/SJ
 Sample : J5314-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-22

Quant Time: Oct 12 04:28:18 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	79087	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	337199	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	141894	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	227322	20.00	ng	0.00
75) Chrysene-d12	13.83	240	224223	20.00	ng	0.00
86) Perylene-d12	15.23	264	200210	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	198484	44.55	ng	-0.01
7) Phenol-d6	6.34	99	295621	49.67	ng	-0.02
23) Nitrobenzene-d5	7.26	82	193575	31.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	54845	35.47	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	345666	33.55	ng	-0.01
78) Terphenyl-d14	12.77	244	250908	21.66	ng	-0.01

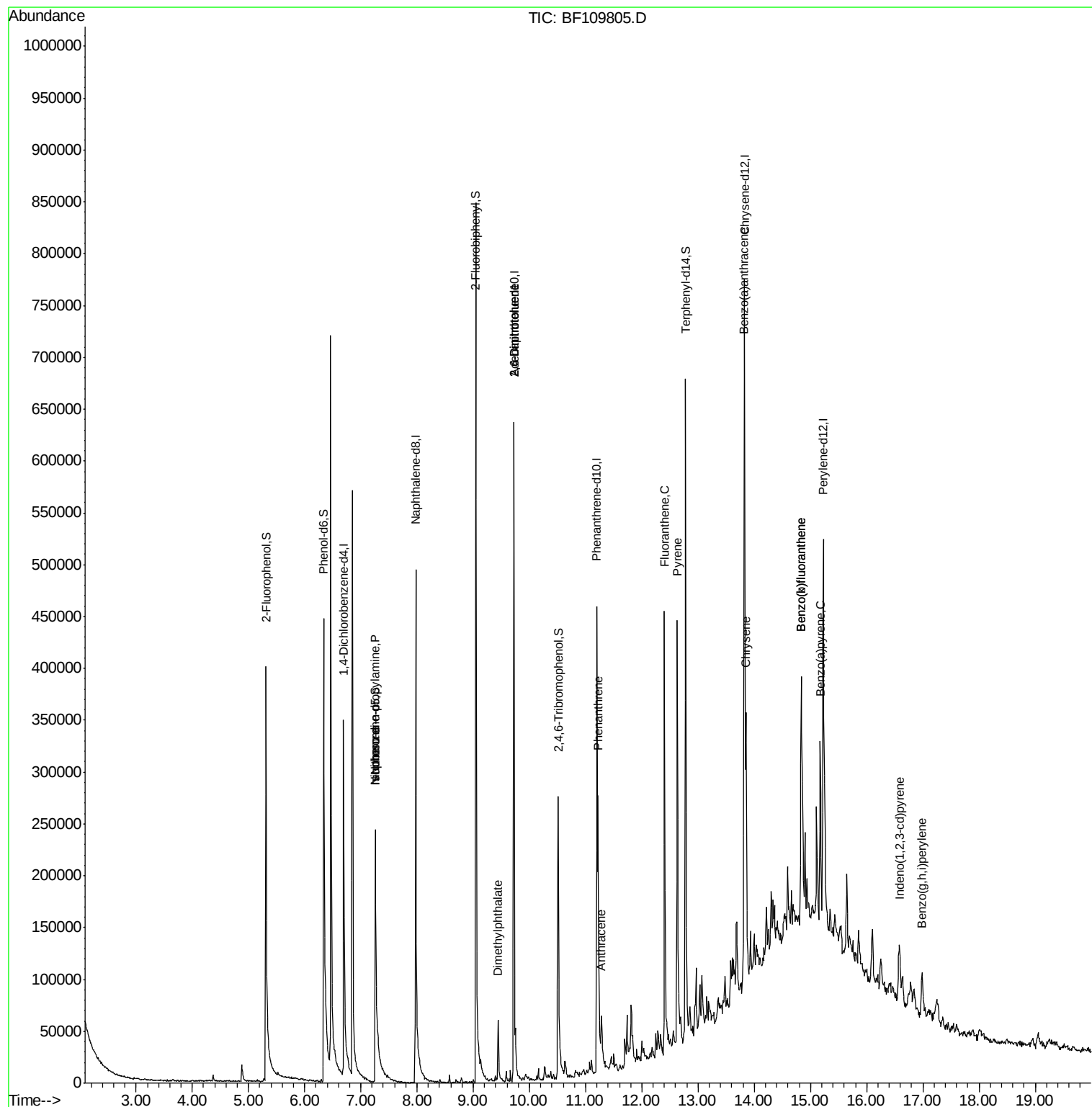
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	22376	5.361	ng	# 81
25) Isophorone	7.26	82	193575	19.057	ng	# 67
49) Dimethylphthalate	9.45	163	35223	3.385	ng	99
50) 2,6-Dinitrotoluene	9.72	165	18408	8.160	ng	# 22
56) 2,4-Dinitrotoluene	9.72	165	18408	6.539	ng	# 18
70) Phenanthrene	11.22	178	110308	9.696	ng	98
71) Anthracene	11.28	178	44010	3.742	ng	97
74) Fluoranthene	12.40	202	220768	18.576	ng	98
77) Pyrene	12.63	202	206811	12.589	ng	98
80) Benzo(a)anthracene	13.82	228	133652	10.801	ng	98
82) Chrysene	13.85	228	107226	8.250	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	45442	4.885	ng	93
87) Benzo(b)fluoranthene	14.84	252	188373	17.026	ng	96
88) Benzo(k)fluoranthene	14.84	252	188373	16.945	ng	95
89) Benzo(a)pyrene	15.17	252	97151	9.676	ng	98
91) Benzo(g,h,i)perylene	16.98	276	44842	5.446	ng	99

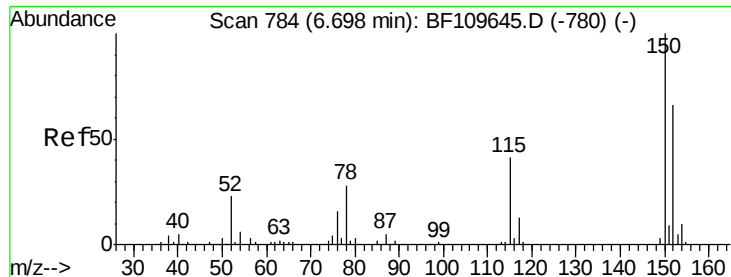
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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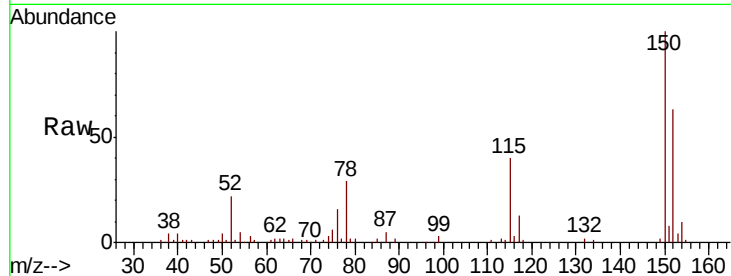


#1

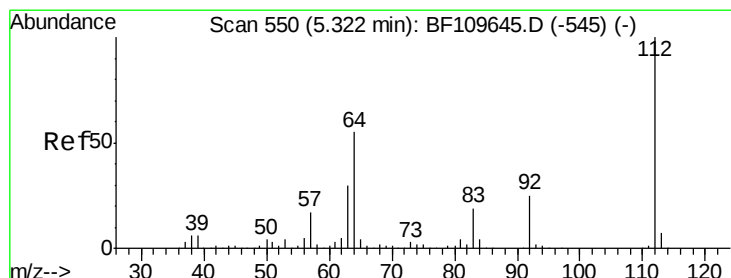
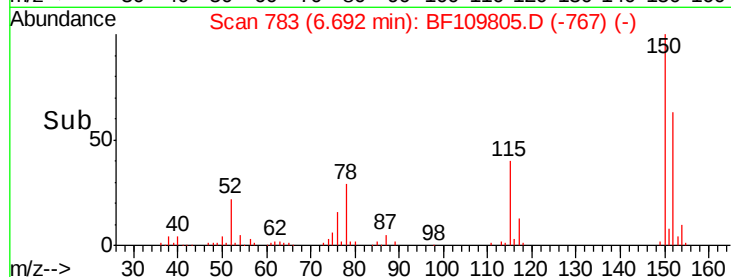
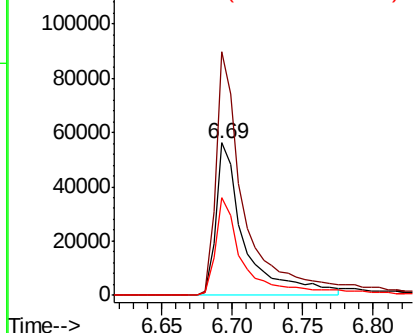
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:152 Resp: 79087
Ion Ratio Lower Upper
152 100
150 159.5 122.7 184.1
115 63.8 49.1 73.7



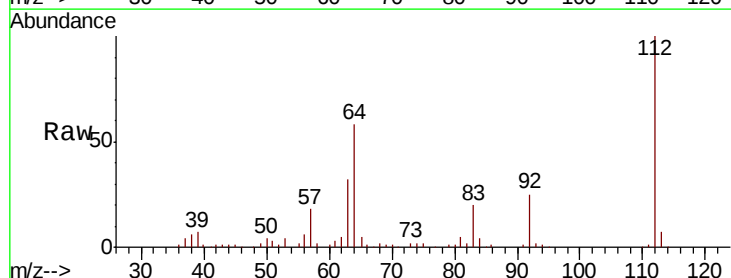
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



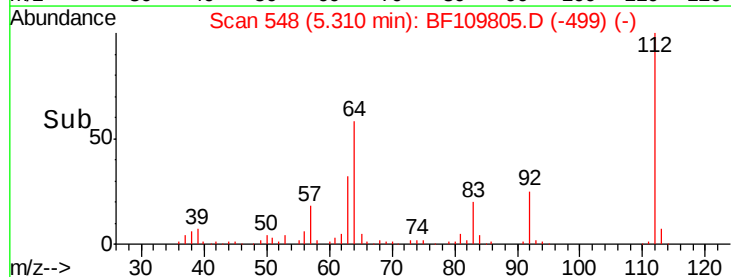
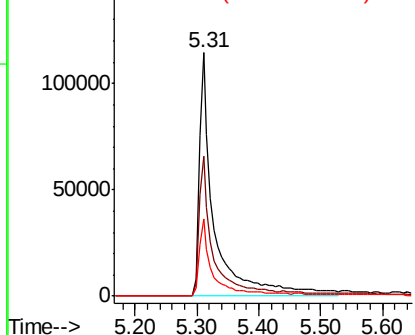
#5

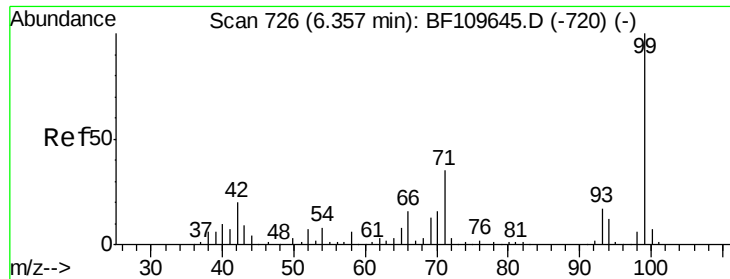
2-Fluorophenol
Concen: 44.548 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:112 Resp: 198484
Ion Ratio Lower Upper
112 100
64 57.6 44.1 66.1
63 31.5 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: 49.667 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109805.D

Acq: 11 Oct 2018 23:52

Instrument :

BNA_F

ClientSampleId :

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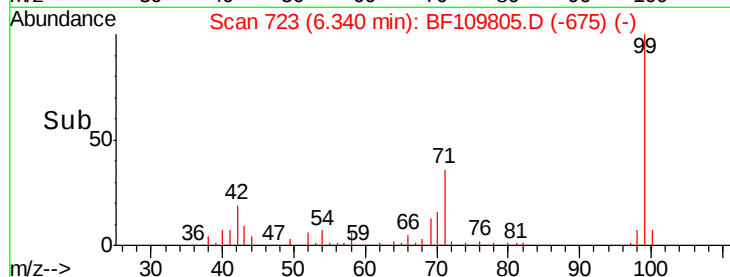
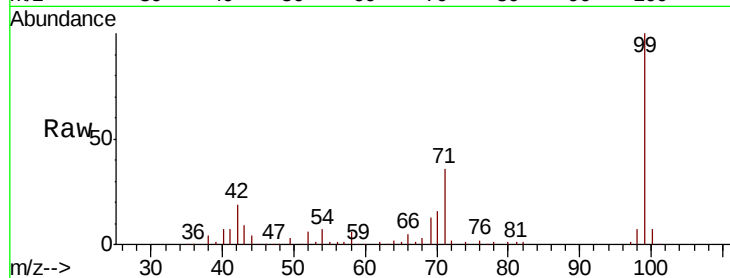
Tgt Ion: 99 Resp: 295621

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

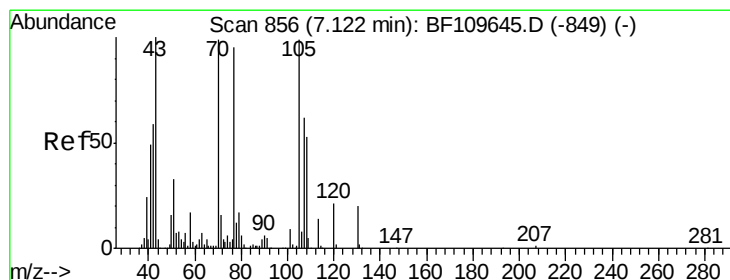
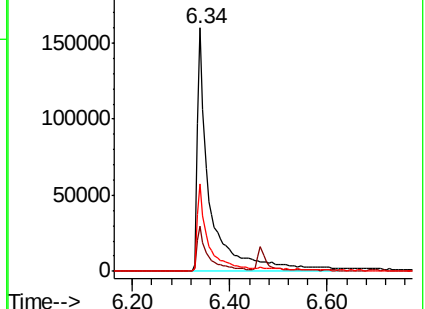
71 36.1 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.361 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109805.D

Acq: 11 Oct 2018 23:52

Tgt Ion: 70 Resp: 22376

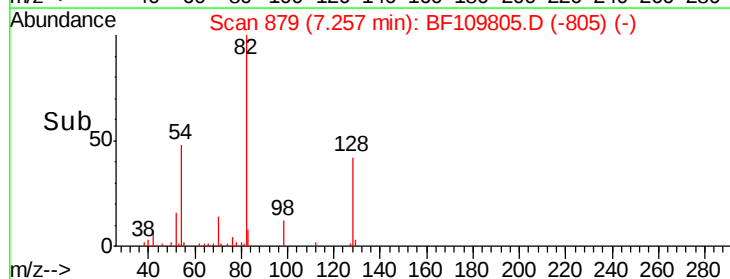
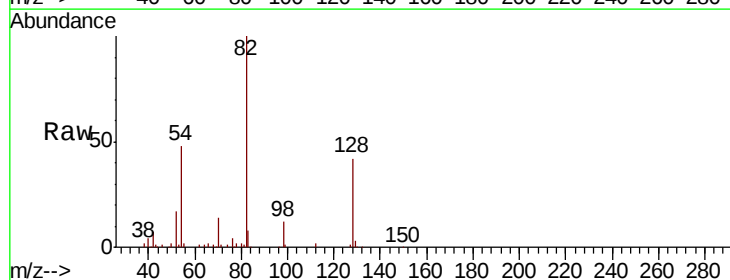
Ion Ratio Lower Upper

70 100

42 51.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.6 16.2 24.2#

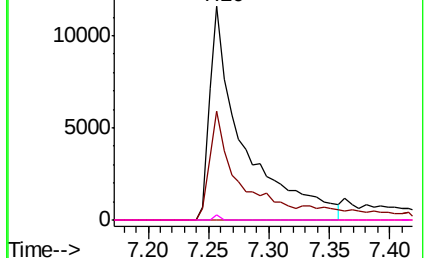


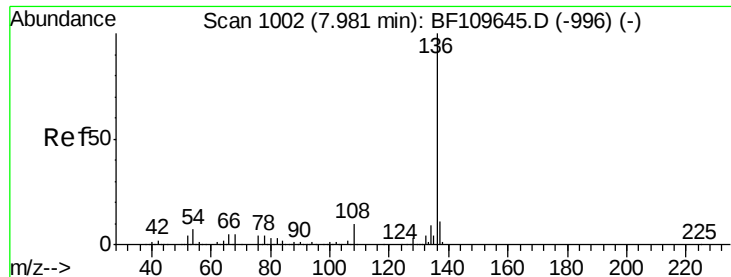
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

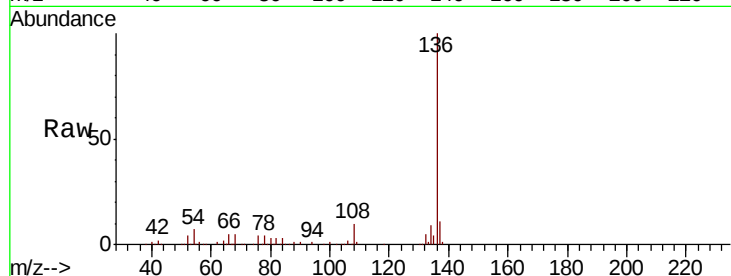




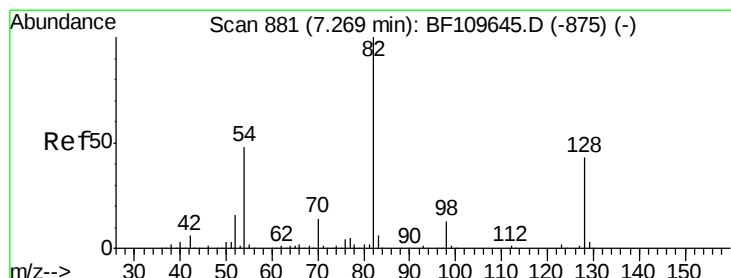
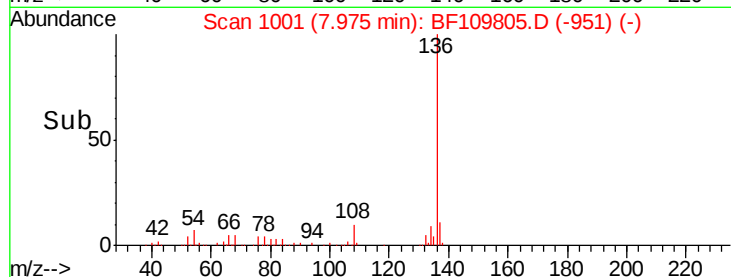
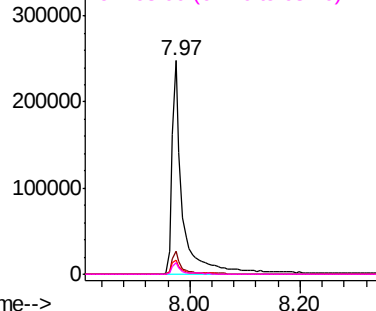
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	337199
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.4	8.2
68	5.4	4.2	6.2

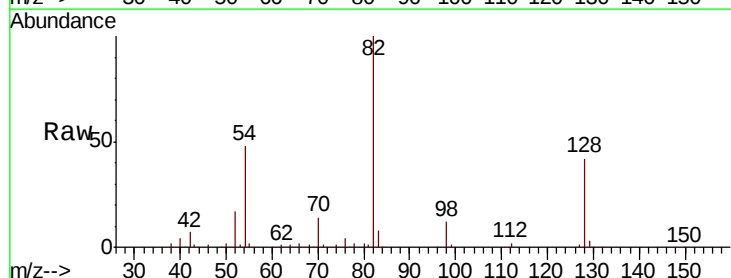


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

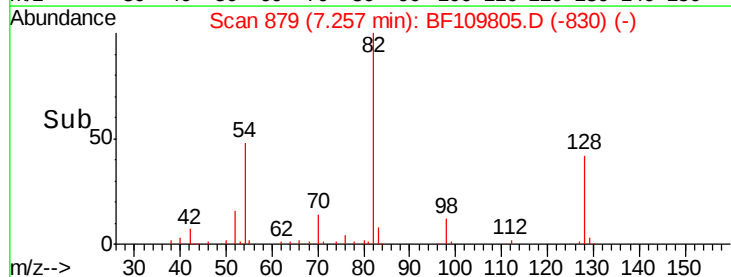
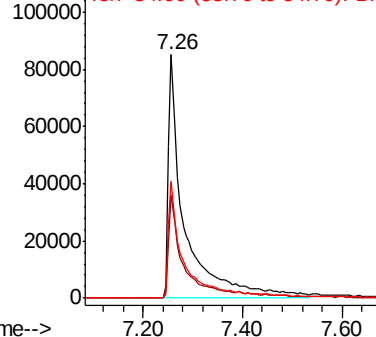


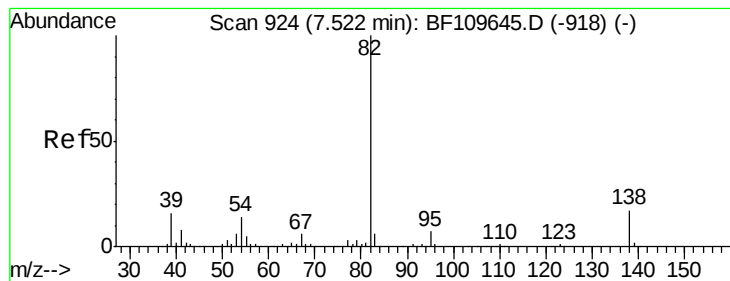
#23
Nitrobenzene-d5
Concen: 31.645 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:	82	Resp:	193575
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.2	51.2
54	48.1	38.6	58.0



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: 19.057 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109805.D

Acq: 11 Oct 2018 23:52

Instrument :

BNA_F

ClientSampleId :

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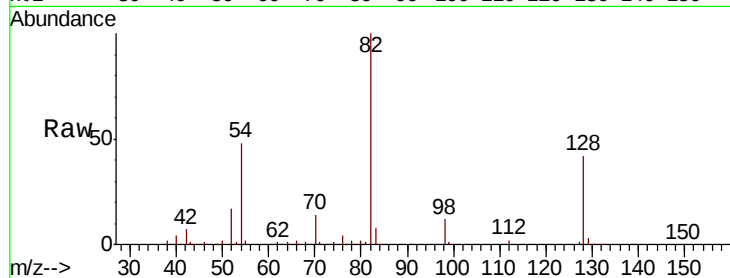
Tgt Ion: 82 Resp: 193575

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

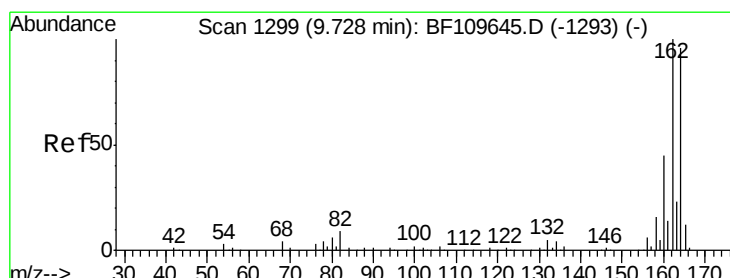
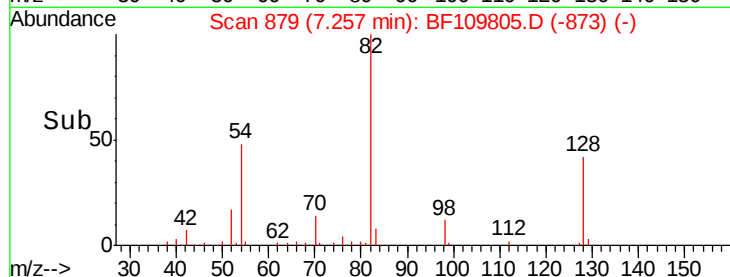
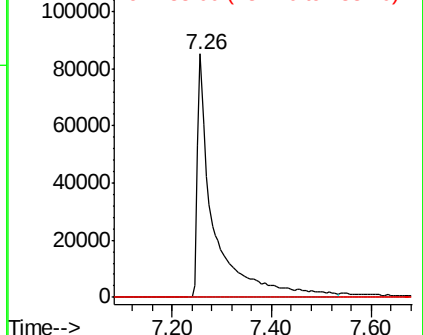
138 0.0 13.2 19.8#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109805.D

Acq: 11 Oct 2018 23:52

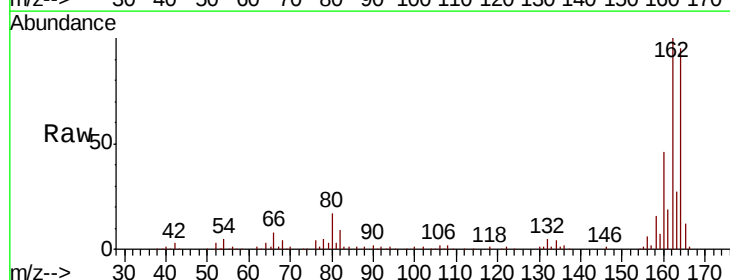
Tgt Ion: 164 Resp: 141894

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.6

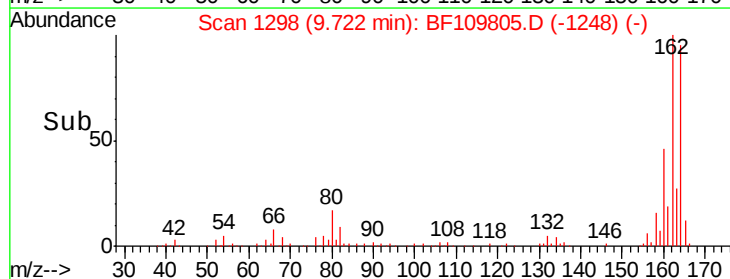
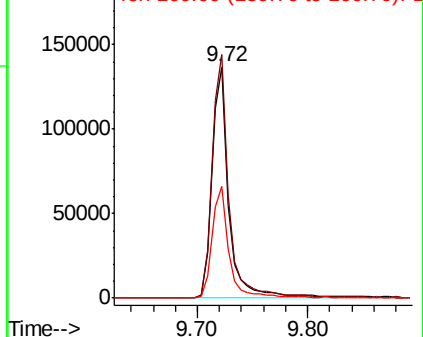
160 48.5 37.0 55.6

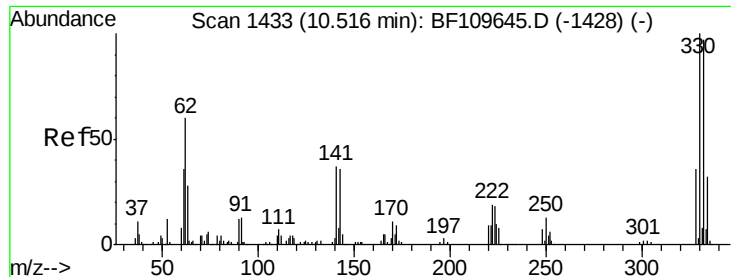


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

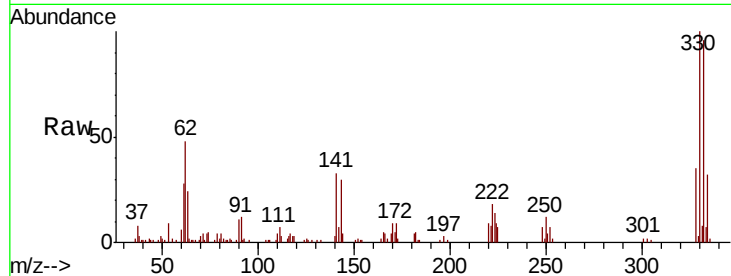




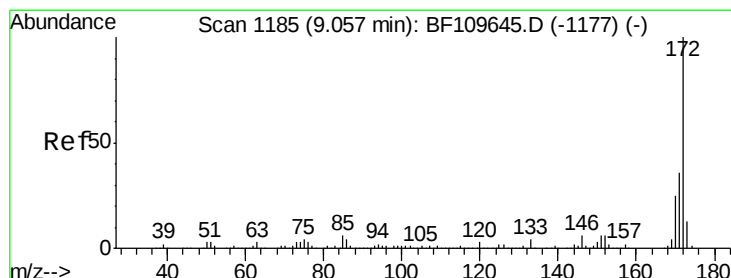
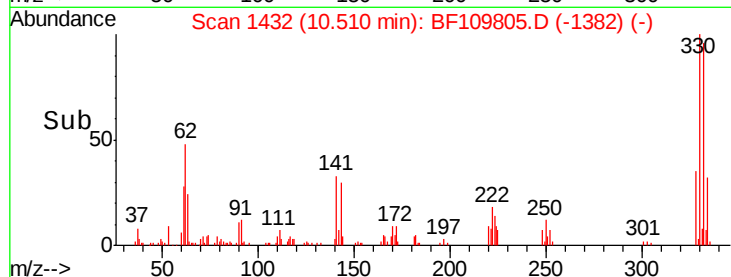
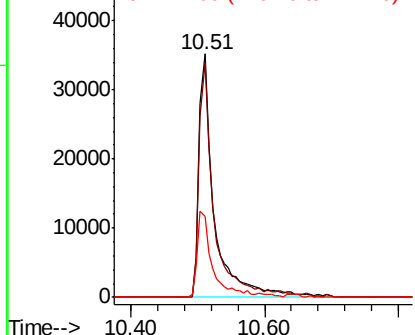
#41
 2,4,6-Tribromophenol
 Concen: 35.473 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109805.D
 Acq: 11 Oct 2018 23:52

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Tgt Ion:330 Resp: 54845
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.1 115.7
 141 34.1 27.0 40.4

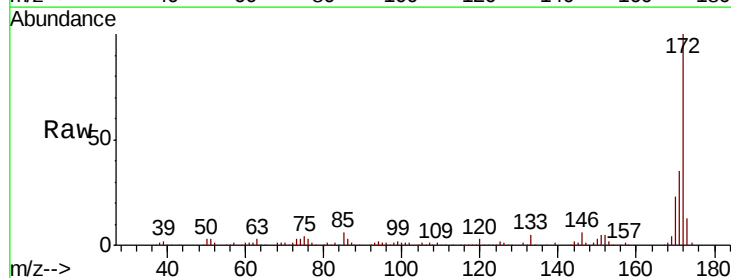


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

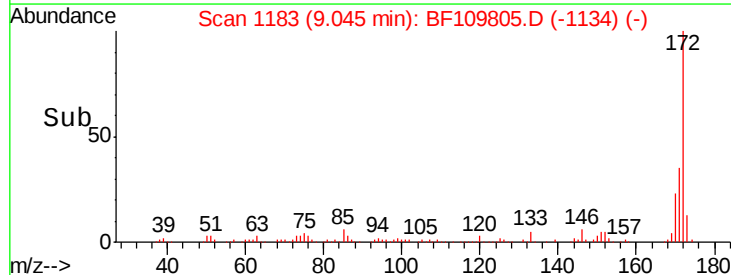
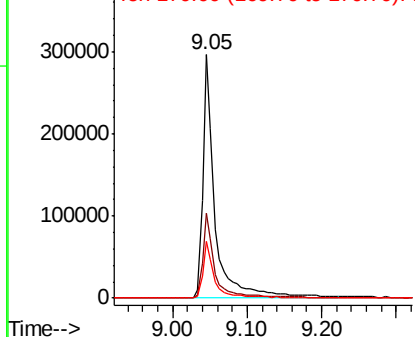


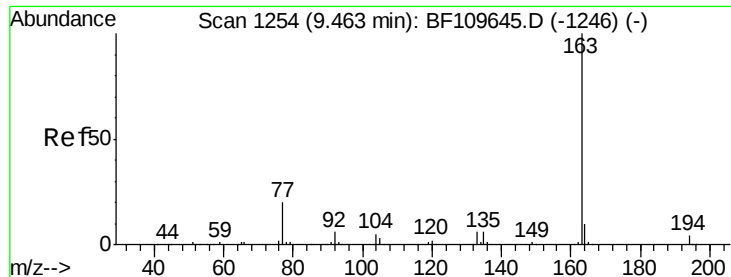
#44
 2-Fluorobiphenyl
 Concen: 33.551 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109805.D
 Acq: 11 Oct 2018 23:52

Tgt Ion:172 Resp: 345666
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 23.4 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

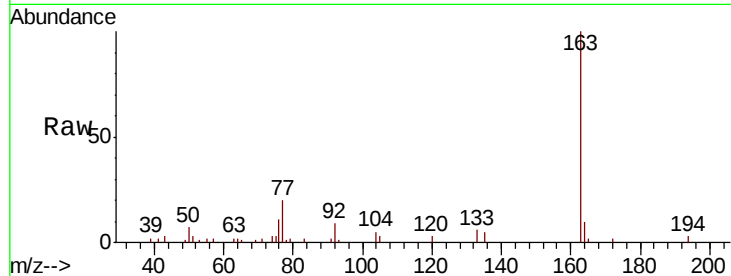




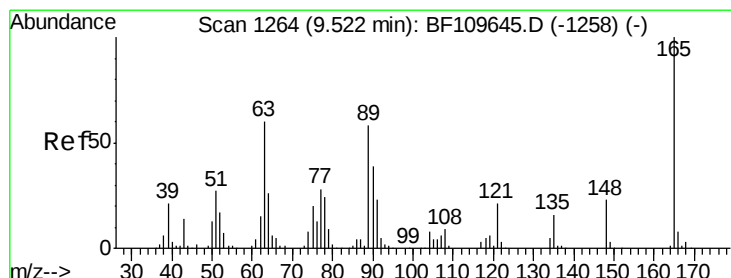
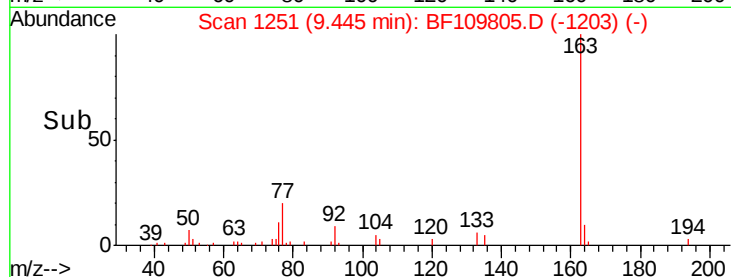
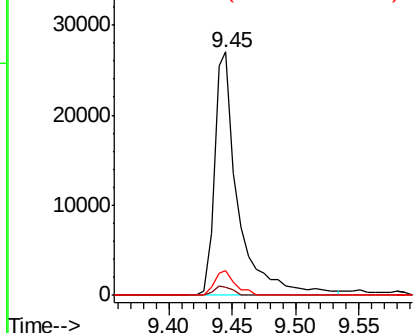
#49
Dimethylphthalate
Concen: 3.385 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:163 Resp: 35223
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.2 8.1 12.1

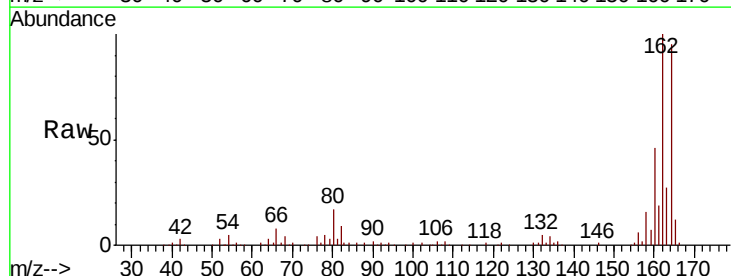


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

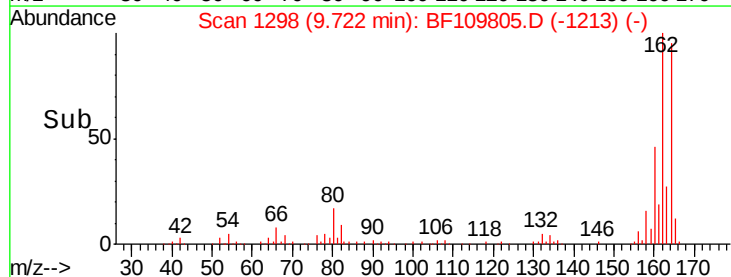
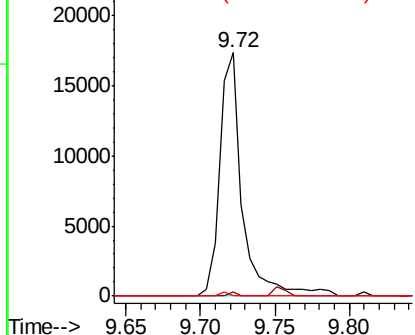


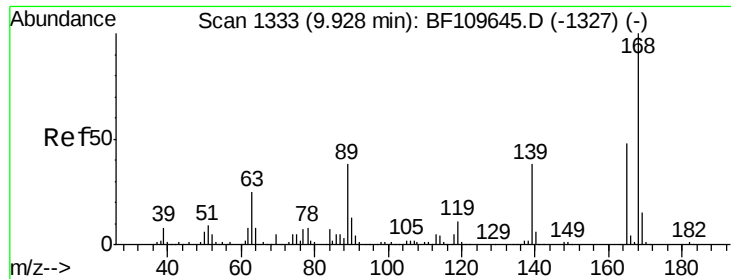
#50
2,6-Dinitrotoluene
Concen: 8.160 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:165 Resp: 18408
Ion Ratio Lower Upper
165 100
63 1.8 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

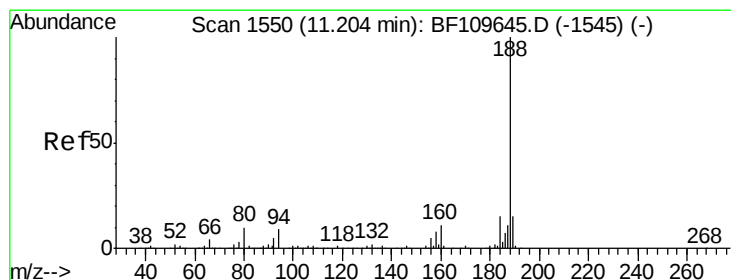
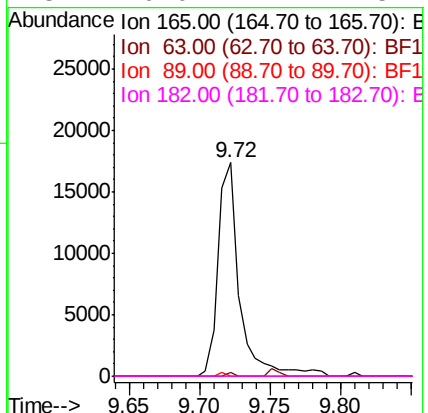
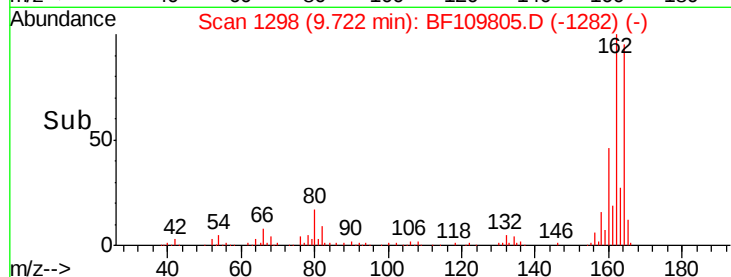
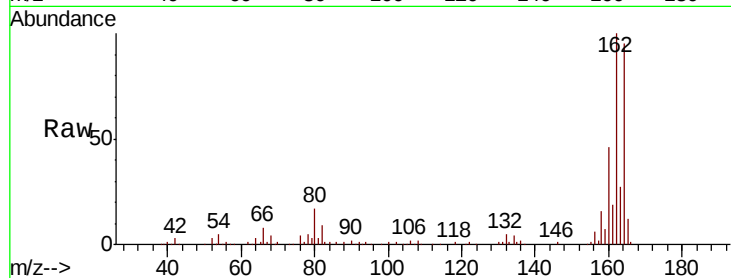




#56
2,4-Dinitrotoluene
Concen: 6.539 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

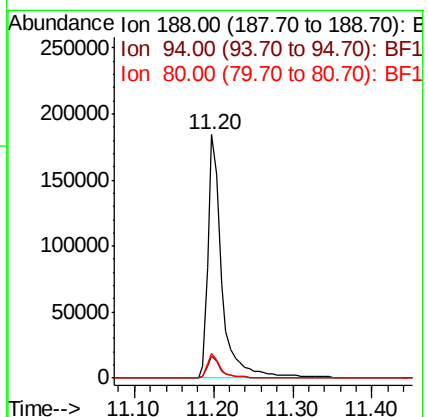
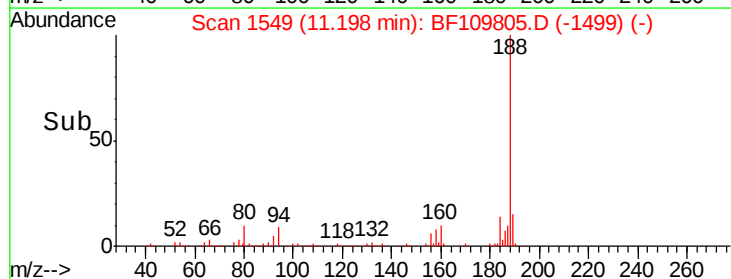
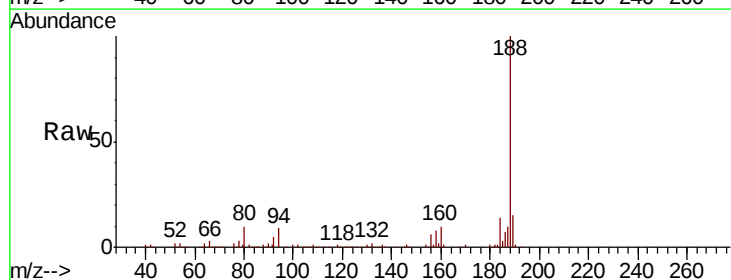
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

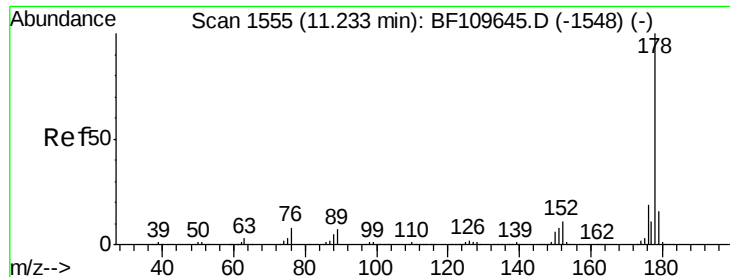
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.0	7.9	11.9

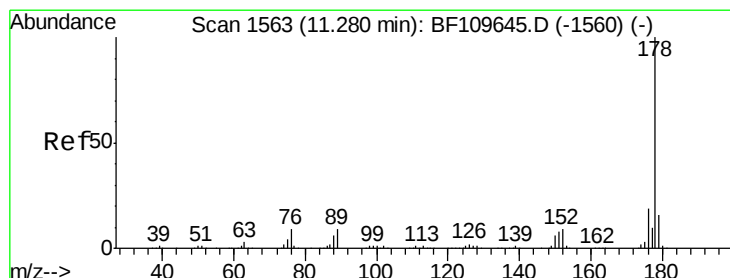
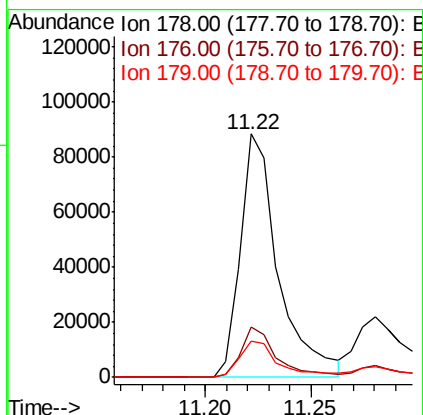
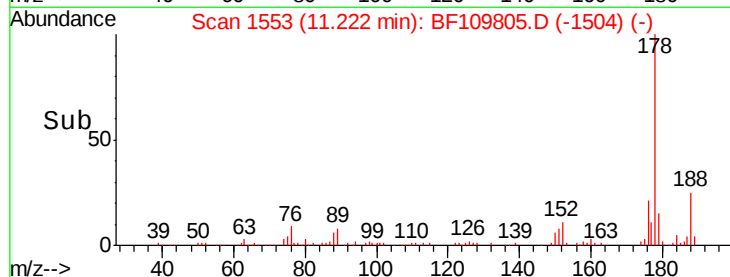
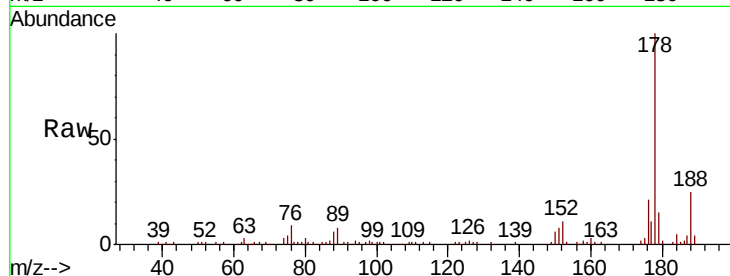




#70
Phenanthrene
Concen: 9.696 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

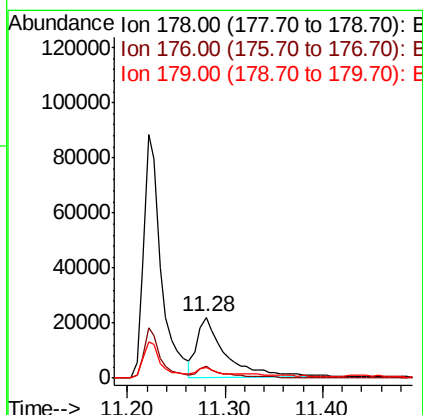
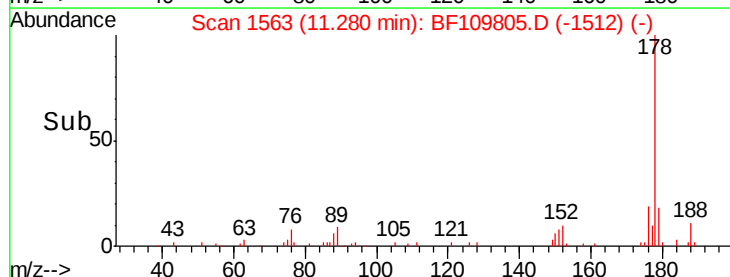
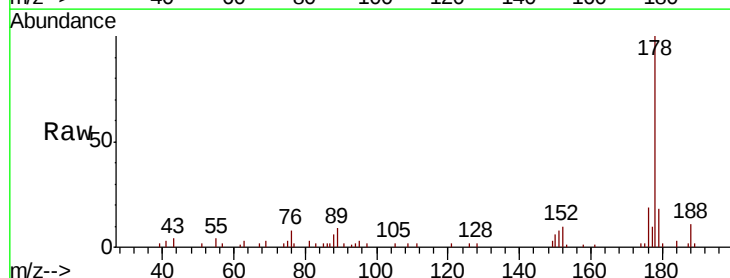
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

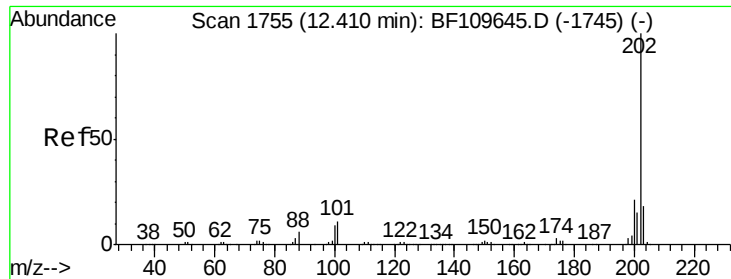
Tgt Ion:178 Resp: 110308
Ion Ratio Lower Upper
178 100
176 20.6 15.5 23.3
179 15.0 12.5 18.7



#71
Anthracene
Concen: 3.742 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:178 Resp: 44010
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 17.9 12.6 18.8





#74

Fluoranthene

Concen: 18.576 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF109805.D

Acq: 11 Oct 2018 23:52

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-22

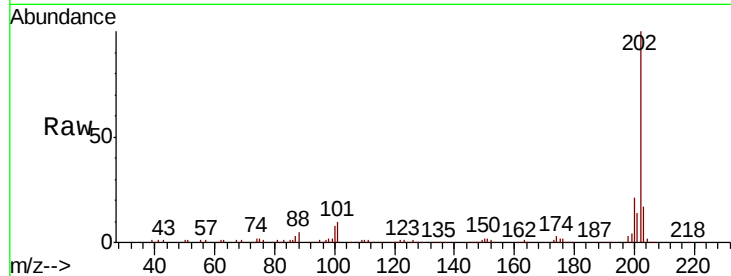
Tgt Ion: 202 Resp: 220768

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

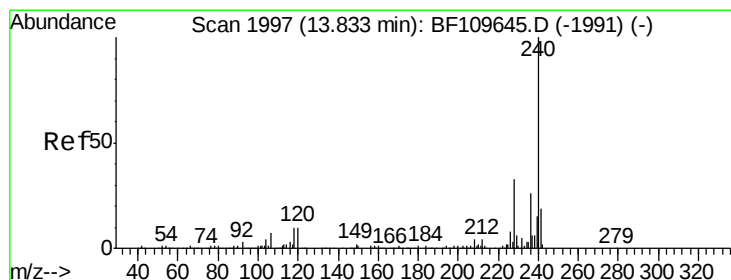
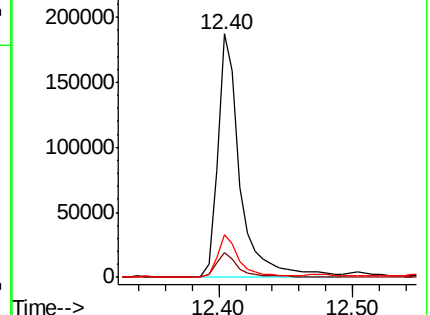
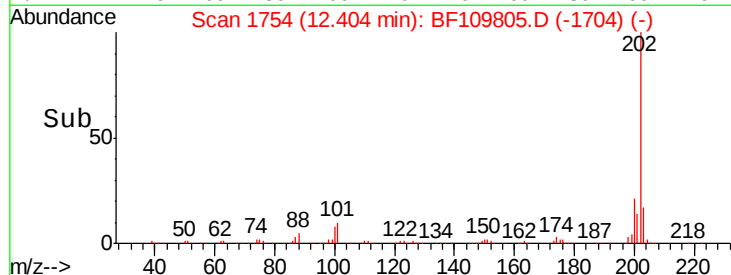
203 17.3 0.0 37.7



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: BF109805.D

Acq: 11 Oct 2018 23:52

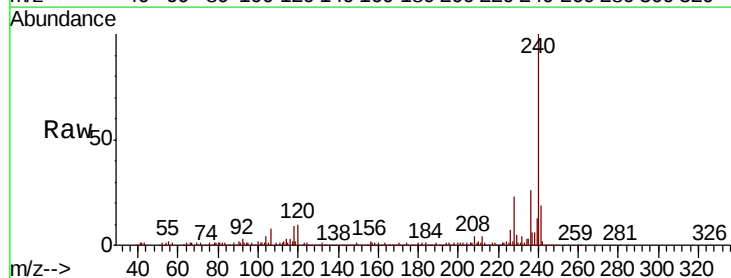
Tgt Ion: 240 Resp: 224223

Ion Ratio Lower Upper

240 100

120 10.4 8.3 12.5

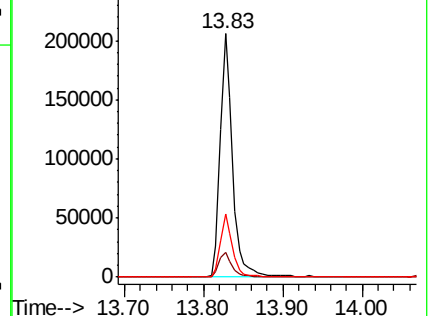
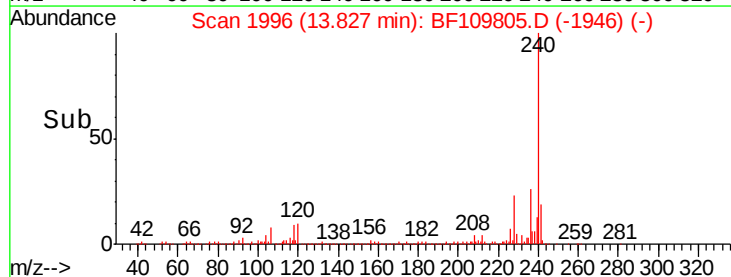
236 26.2 21.2 31.8

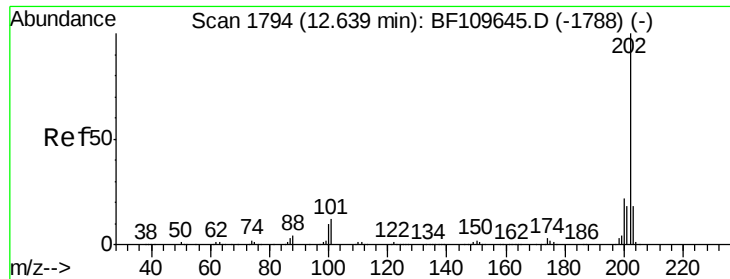


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

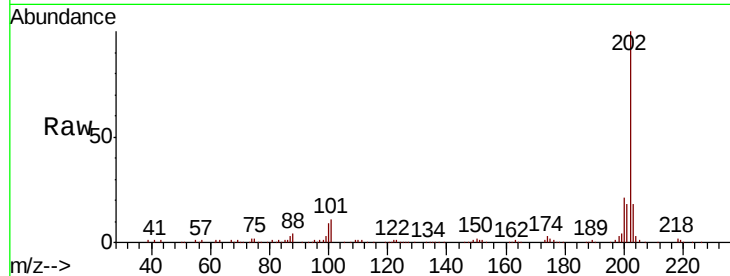




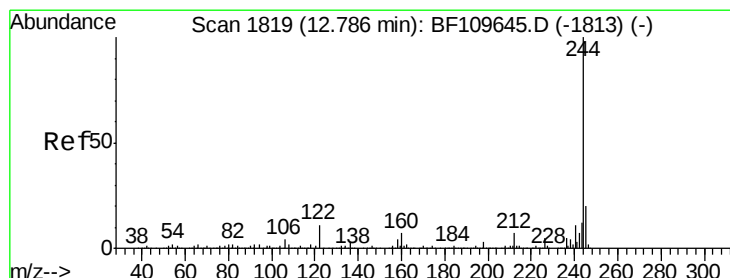
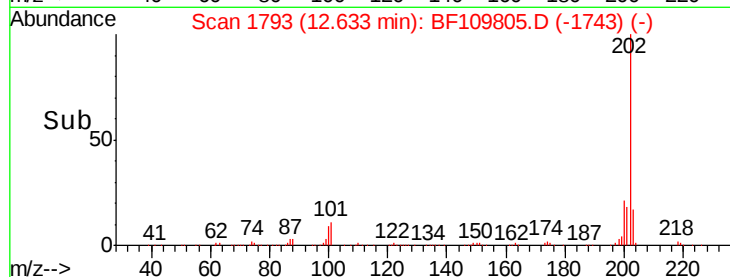
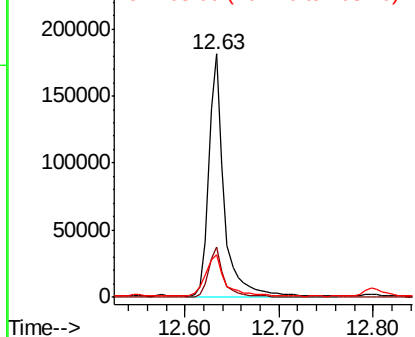
#77
 Pyrene
 Concen: 12.589 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109805.D
 Acq: 11 Oct 2018 23:52

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-22

Tgt Ion: 202 Resp: 206811
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.8 26.6
 203 17.8 14.2 21.4

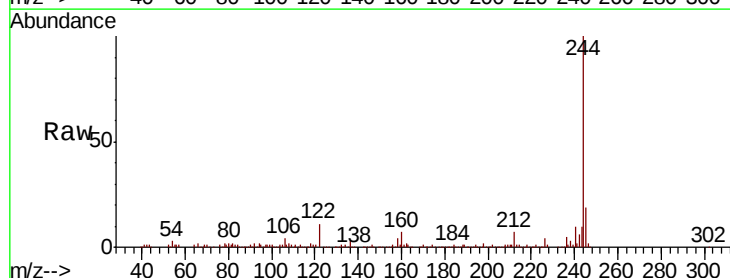


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

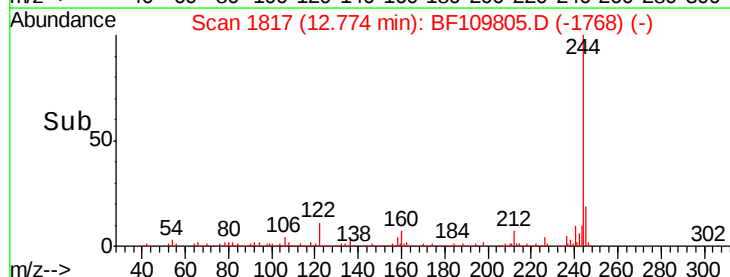
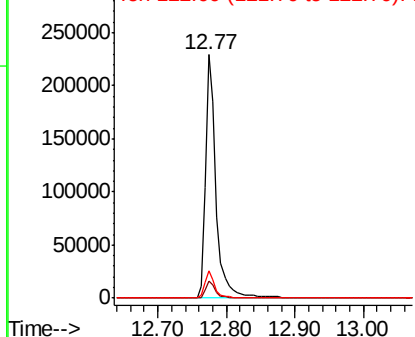


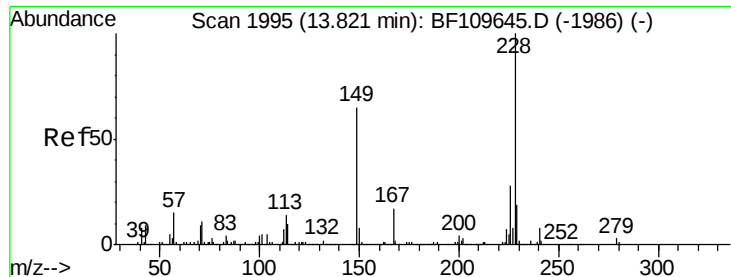
#78
 Terphenyl-d14
 Concen: 21.662 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF109805.D
 Acq: 11 Oct 2018 23:52

Tgt Ion: 244 Resp: 250908
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.1 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

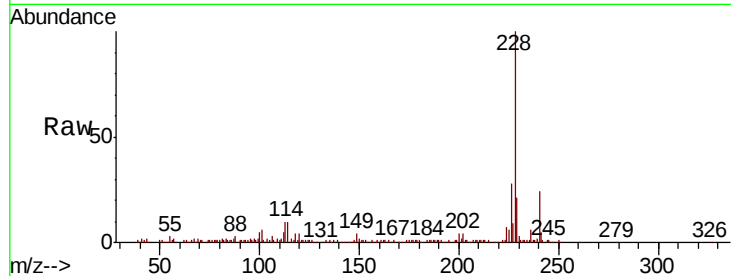




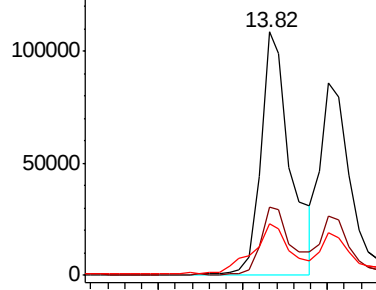
#80
Benzo(a)anthracene
Concen: 10.801 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

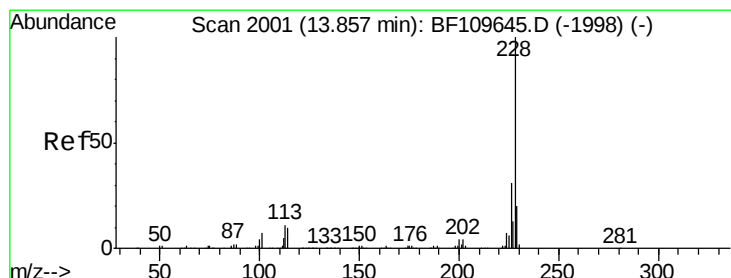
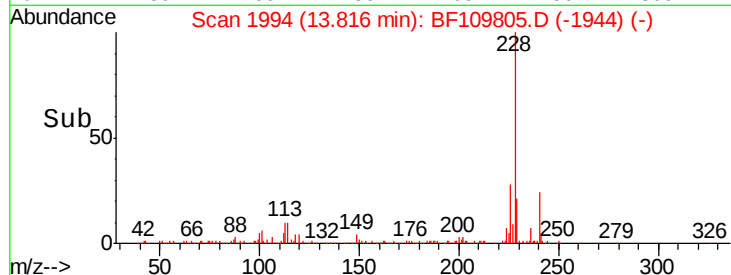
Tgt Ion:228 Resp: 133652
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.4 15.6 23.4



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

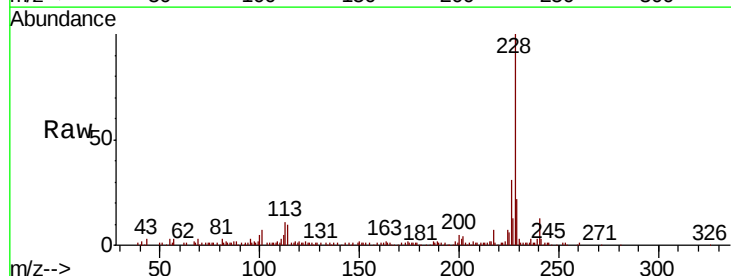


Time-->

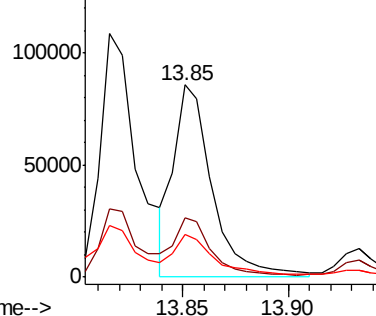


#82
Chrysene
Concen: 8.250 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

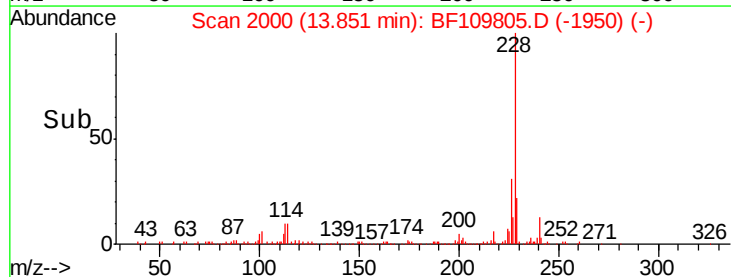
Tgt Ion:228 Resp: 107226
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 22.3 15.9 23.9

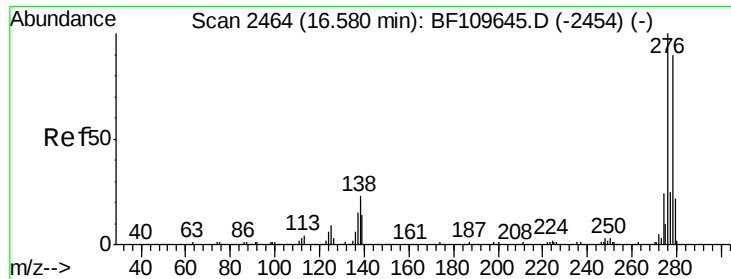


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->

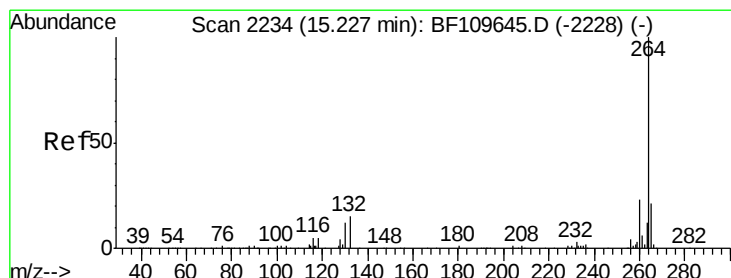
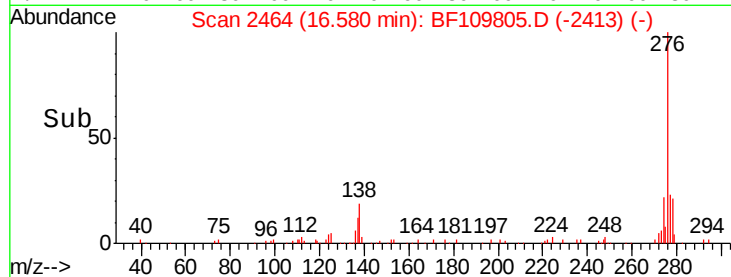
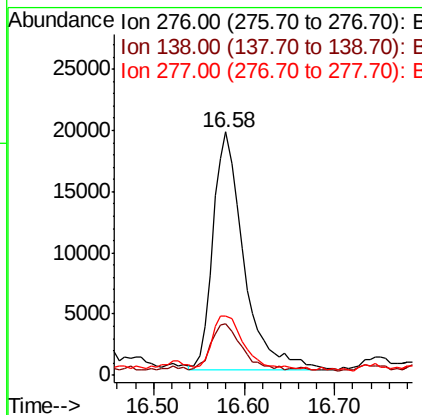
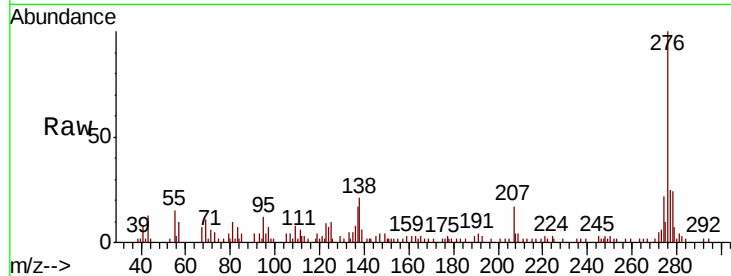




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.885 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BF109805.D
 Acq: 11 Oct 2018 23:52

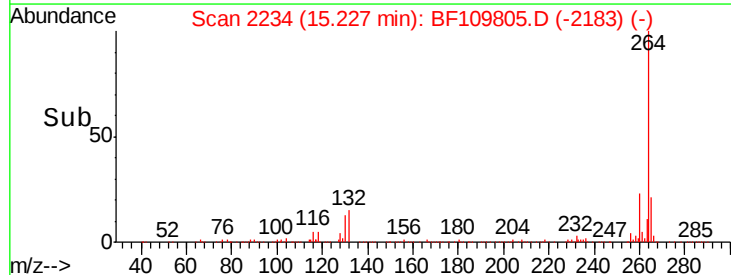
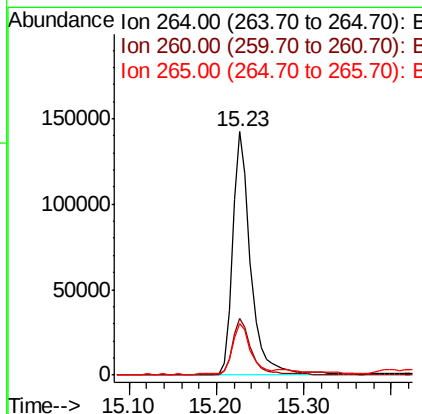
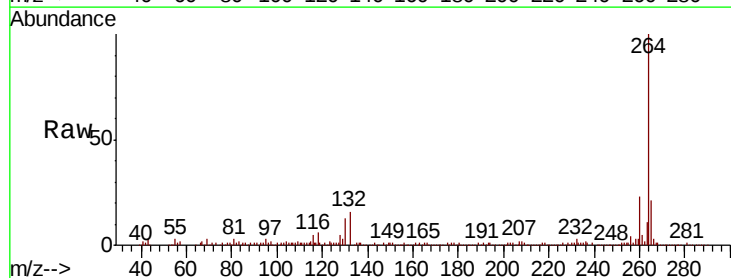
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-22

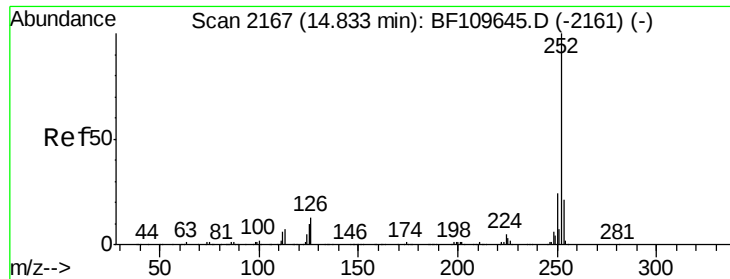
Tgt Ion: 276 Resp: 45442
 Ion Ratio Lower Upper
 276 100
 138 19.7 18.5 27.7
 277 21.4 20.0 30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF109805.D
 Acq: 11 Oct 2018 23:52

Tgt Ion: 264 Resp: 200210
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.4 16.7 25.1

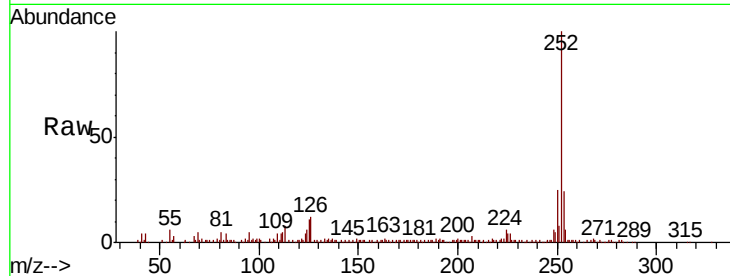




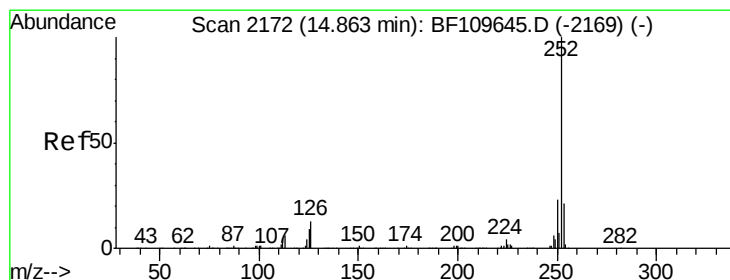
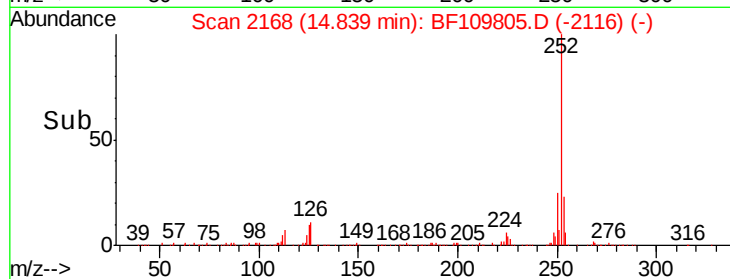
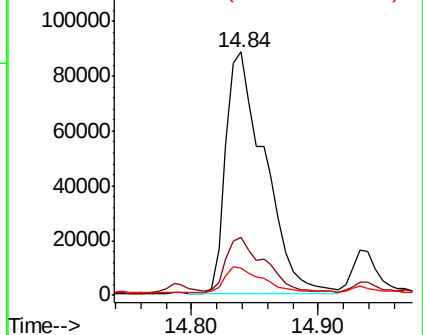
#87
Benzo(b)fluoranthene
Concen: 17.026 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

Tgt Ion:252 Resp: 188373
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 11.0 8.2 12.4

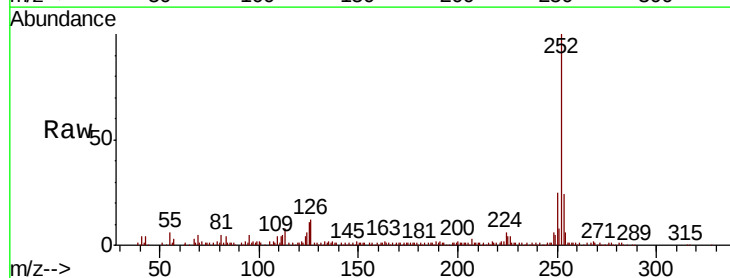


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

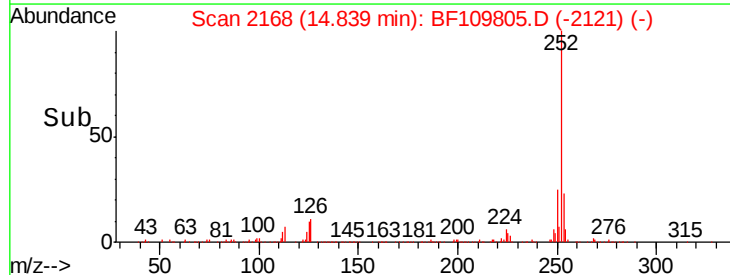
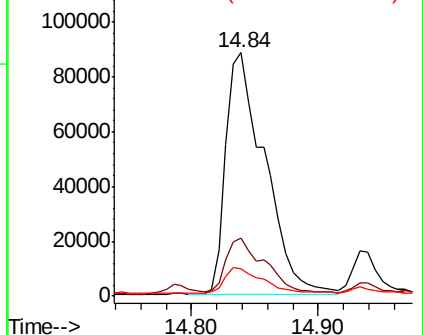


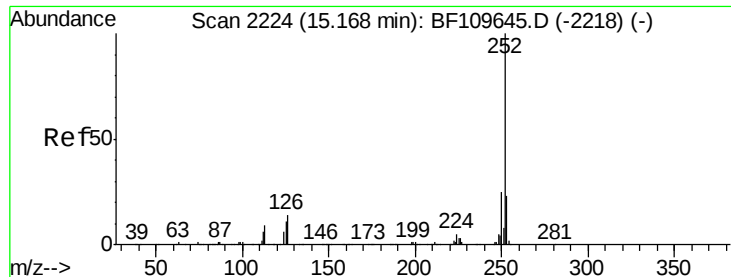
#88
Benzo(k)fluoranthene
Concen: 16.945 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:252 Resp: 188373
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 11.0 7.4 11.0



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

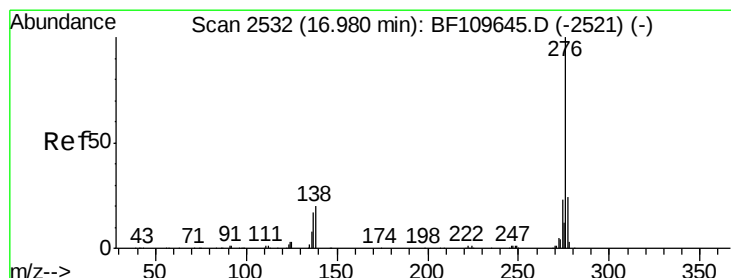
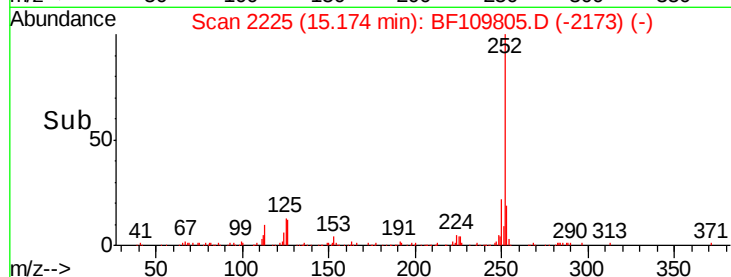
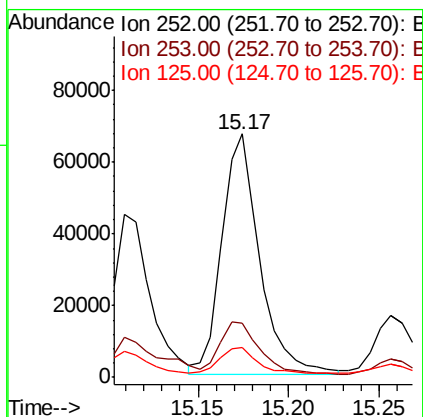
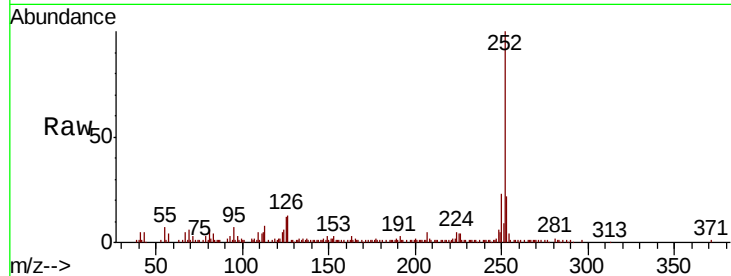




#89
Benzo(a)pyrene
Concen: 9.676 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

Tgt Ion:252 Resp: 97151
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 12.3 9.0 13.6



#91
Benzo(g,h,i)perylene
Concen: 5.446 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:276 Resp: 44842
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 19.2 16.0 24.0

