

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118853.D
 Acq On : 7 Feb 2020 16:27
 Operator : CG/JU
 Sample : L1439-04 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 03:36:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	236607	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	873661	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	474805	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	770782	20.00	ng	0.00
76) Chrysene-d12	13.97	240	597197	20.00	ng	0.00
87) Perylene-d12	15.43	264	620411	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	627381	50.19	ng	0.00
7) Phenol-d6	6.44	99	760045	48.98	ng	-0.01
23) Nitrobenzene-d5	7.37	82	472434	32.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	232670	40.95	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	877760	33.05	ng	-0.01
79) Terphenyl-d14	12.92	244	764809	26.31	ng	-0.01

Target Compounds

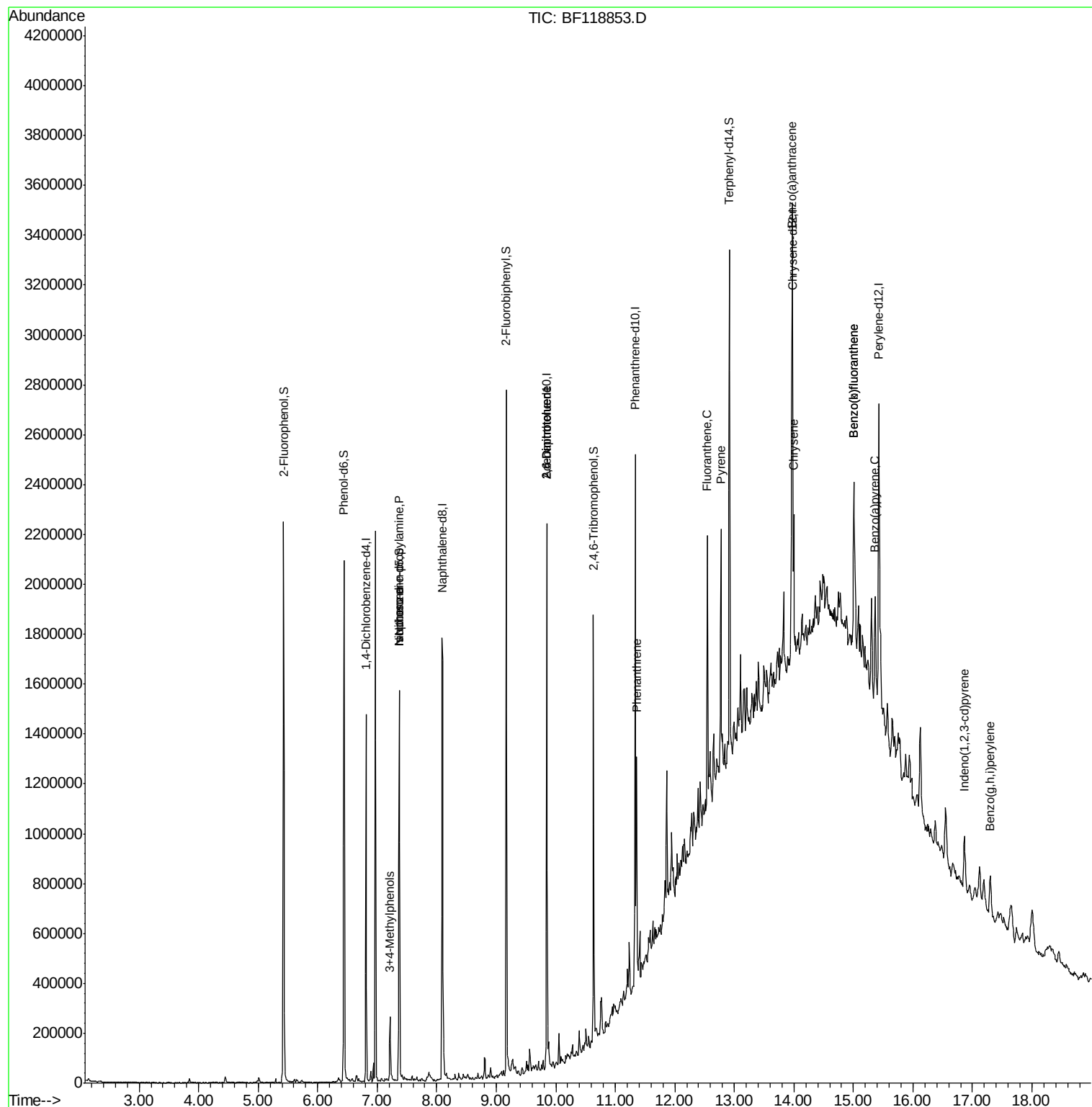
						Qvalue
9) Benzaldehyde	6.36	77	3843	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.37	70	64545	6.799 ng	#	76
20) 3+4-Methylphenols	7.22	107	68565	4.726 ng	#	69
25) Isophorone	7.37	82	472430	17.934 ng	#	63
51) 2,6-Dinitrotoluene	9.85	165	64811	8.761 ng	#	31
57) 2,4-Dinitrotoluene	9.85	165	65610	6.702 ng	#	34
71) Phenanthrene	11.36	178	315607	8.322 ng		98
75) Fluoranthene	12.55	202	452105	10.919 ng		99
78) Pyrene	12.77	202	418385	10.212 ng		98
81) Benzo(a)anthracene	13.96	228	245585	6.911 ng		97
83) Chrysene	14.00	228	241751	6.778 ng		97
86) Indeno(1,2,3-cd)pyrene	16.86	276	153169	4.274 ng		96
88) Benzo(b)fluoranthene	15.01	252	449443	11.675 ng	#	92
89) Benzo(k)fluoranthene	15.01	252	449443	13.407 ng	#	91
90) Benzo(a)pyrene	15.36	252	236080	7.166 ng	#	94
92) Benzo(g,h,i)perylene	17.30	276	150951	5.367 ng		97

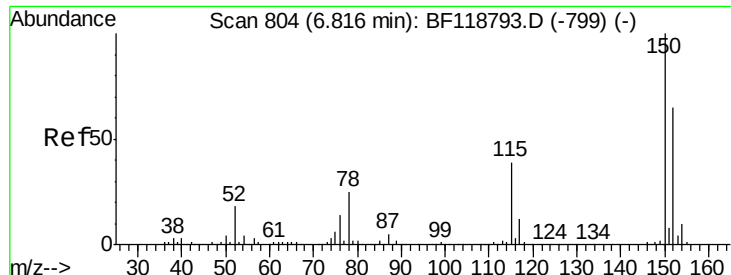
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
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Quant Time: Feb 08 03:36:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



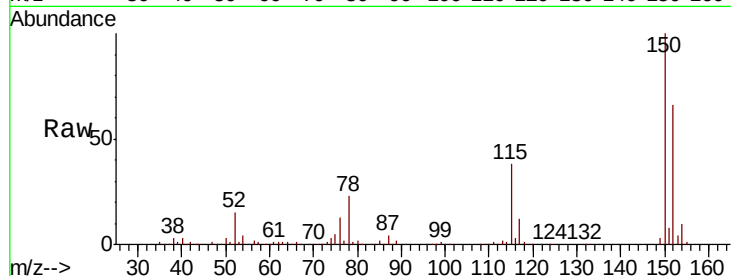


#1

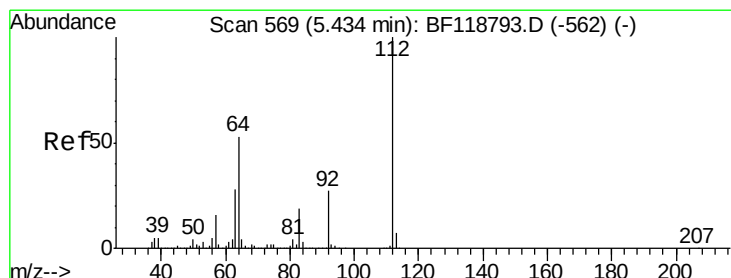
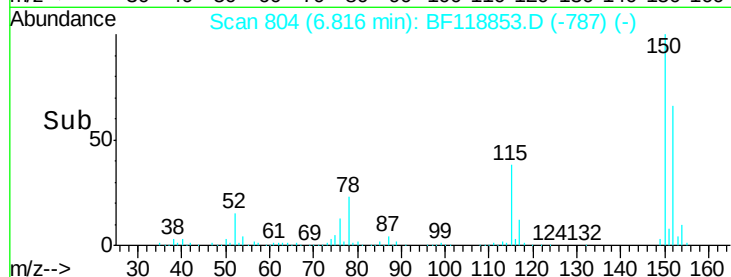
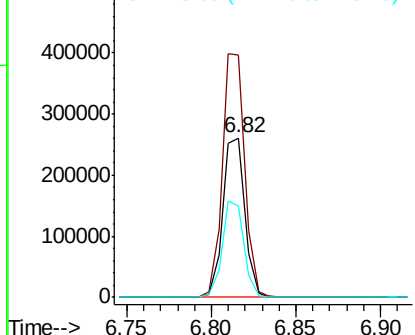
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	123.6	185.4
115	57.0	48.2	72.2



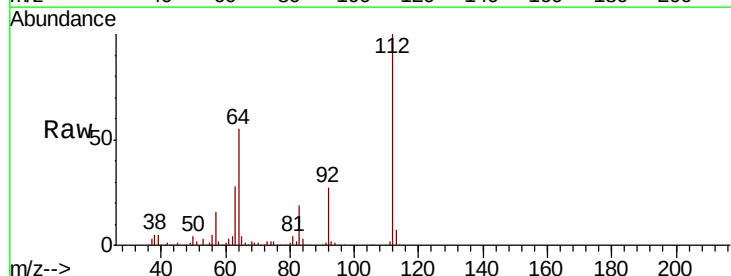
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



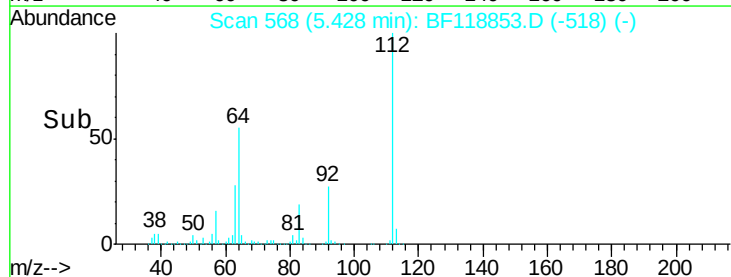
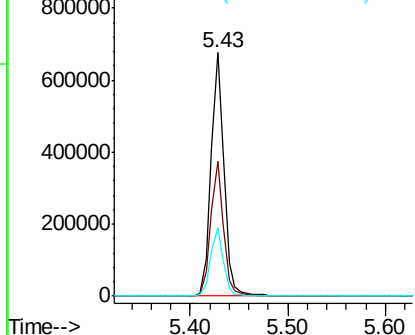
#5

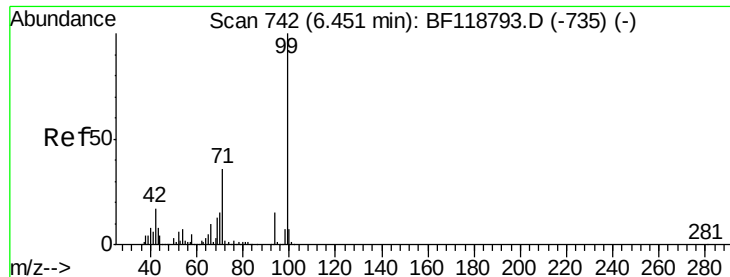
2-Fluorophenol
Concen: 50.192 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	42.6	63.8
63	28.3	22.2	33.4



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: 48.984 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampled :

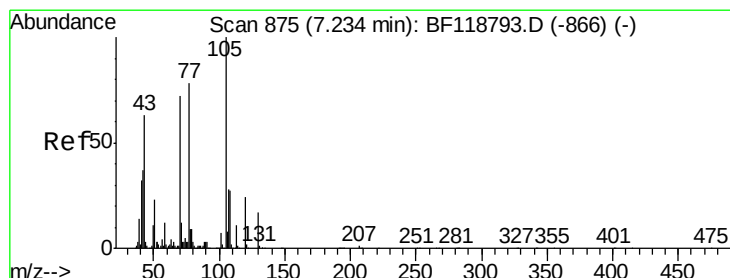
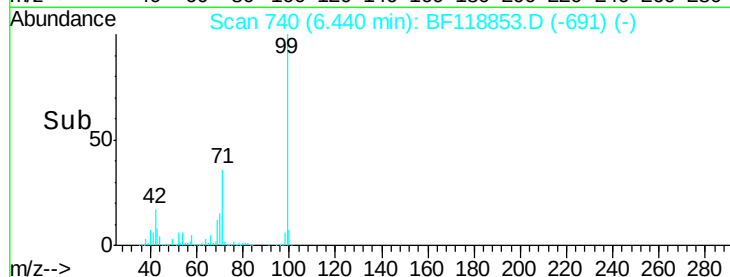
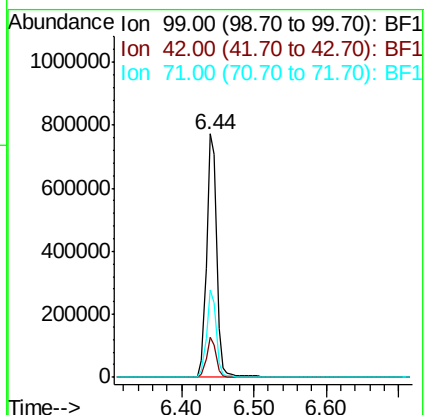
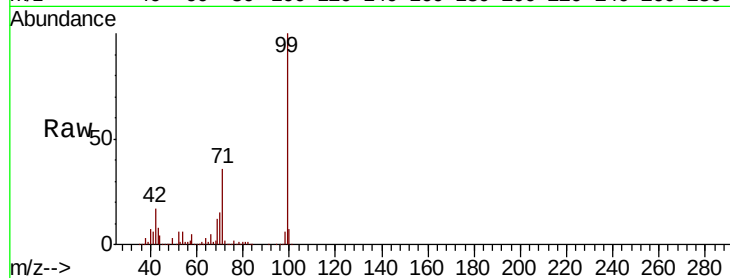
Tot Ion: 99 Resp: 760045

Ion Ratio Lower Upper

99 100

42 16.6 13.4 20.0

71 36.1 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.799 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Tgt Ion: 70 Resp: 64545

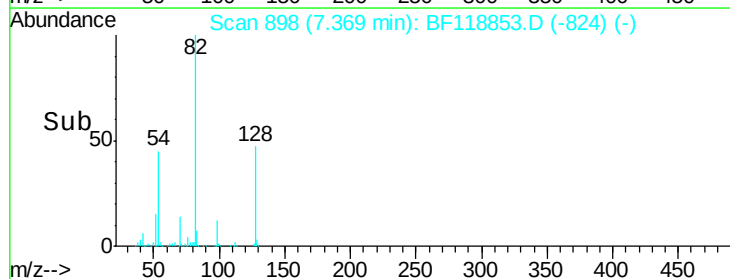
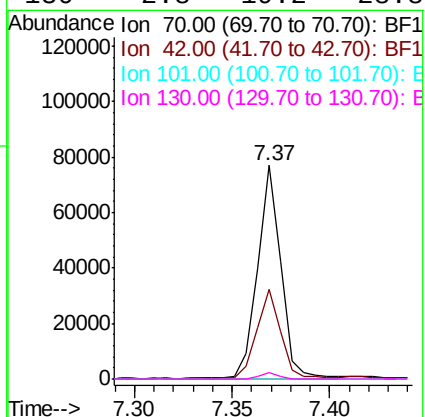
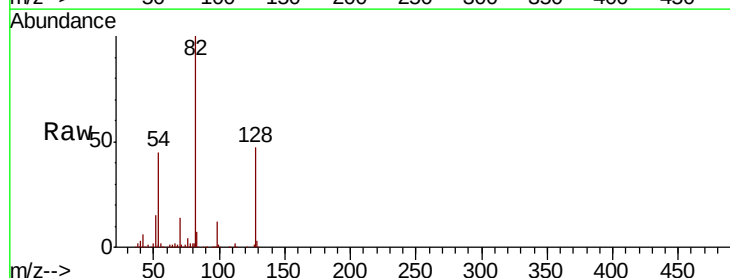
Ion Ratio Lower Upper

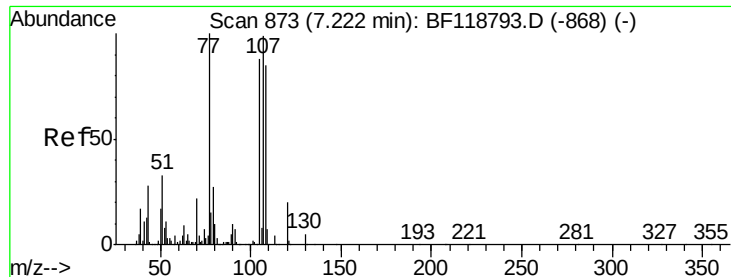
70 100

42 42.2 41.5 62.3

101 0.0 8.3 12.5#

130 2.8 19.2 28.8#

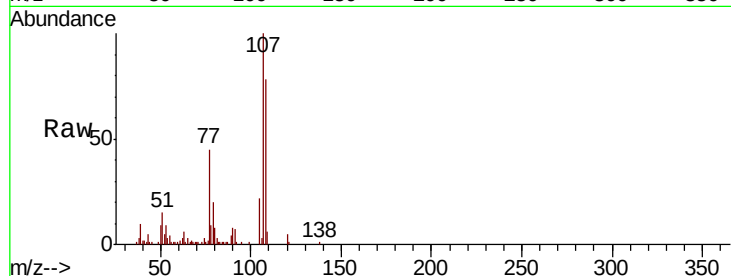




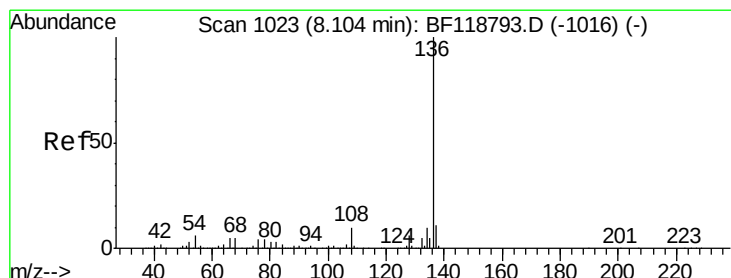
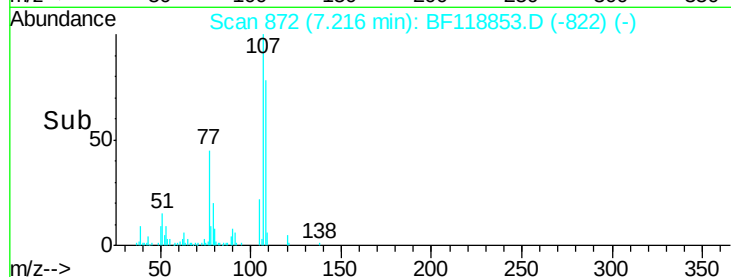
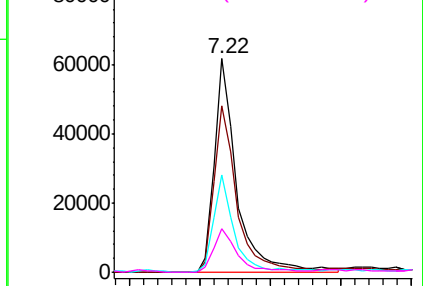
#20
3+4-Methylphenols
Concen: 4.726 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	68565
Ion	Ratio	Lower	Upper
107	100		
108	77.9	65.9	105.9
77	45.3	80.9	120.9
79	20.4	7.5	47.5

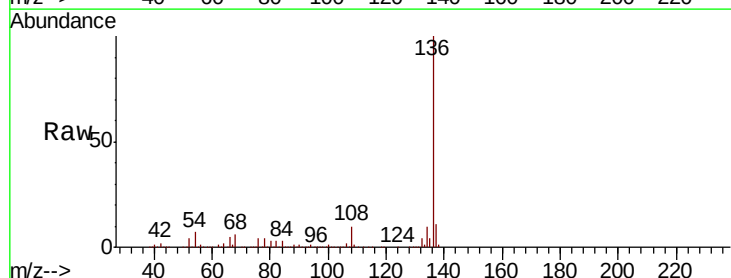


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

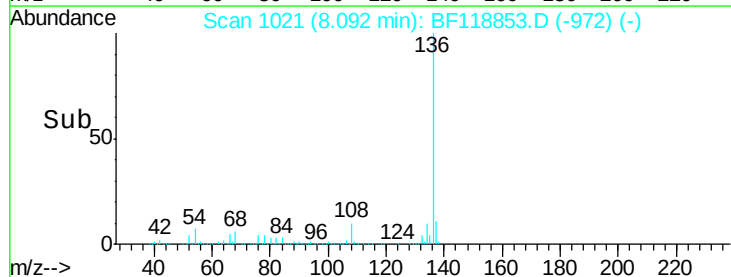
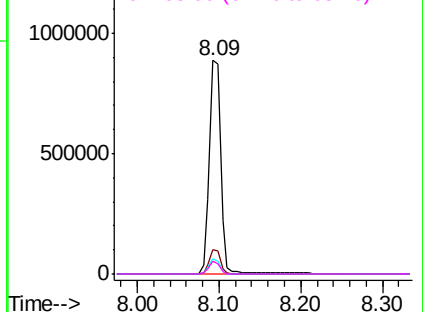


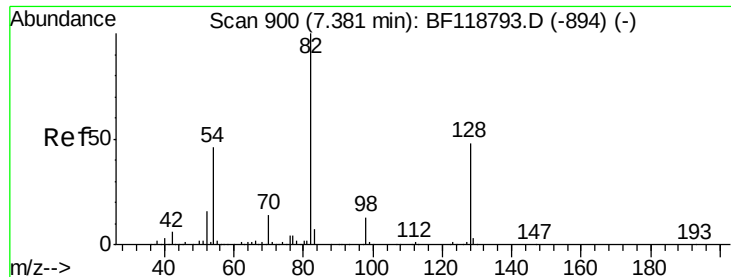
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Tgt Ion:	136	Resp:	873661
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	7.1	5.0	7.6
68	6.0	4.2	6.4



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

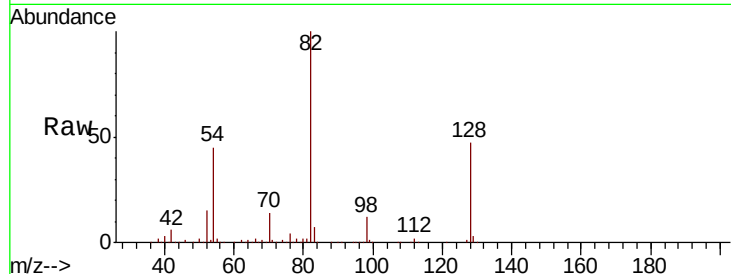




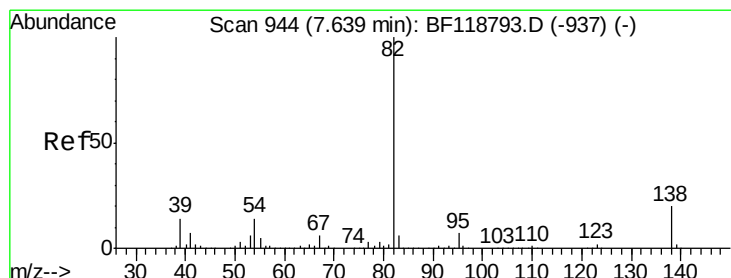
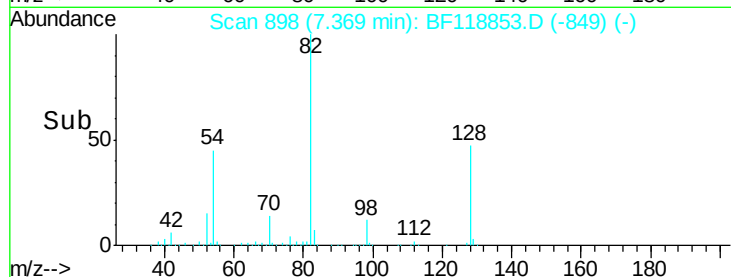
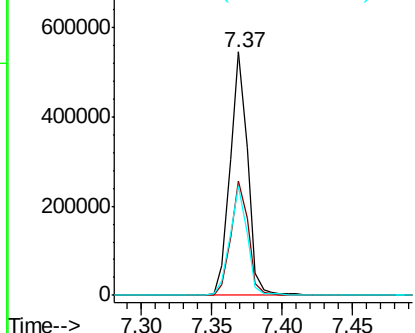
#23
Nitrobenzene-d5
Concen: 32.231 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 472434
Ion Ratio Lower Upper
82 100
128 46.9 38.5 57.7
54 44.7 36.7 55.1

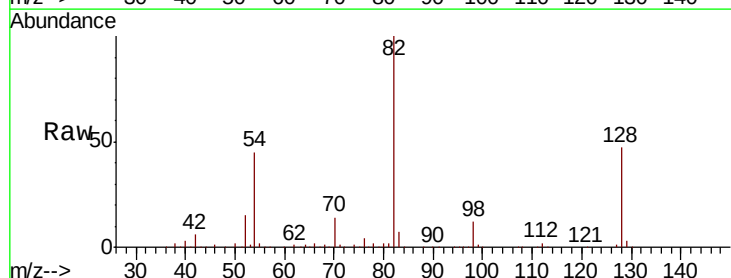


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

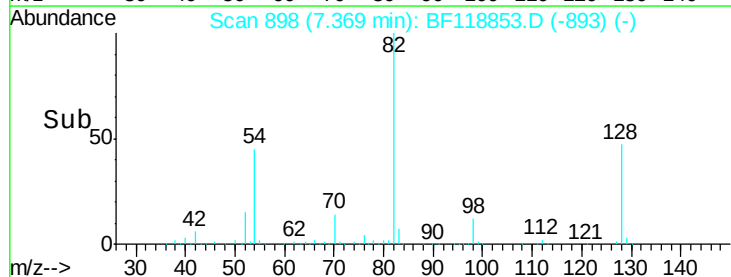
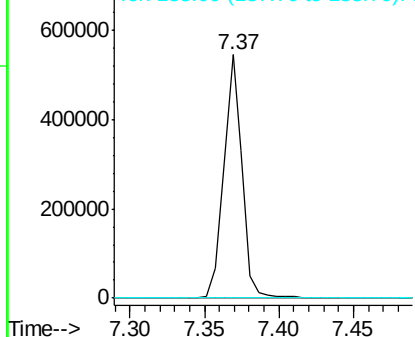


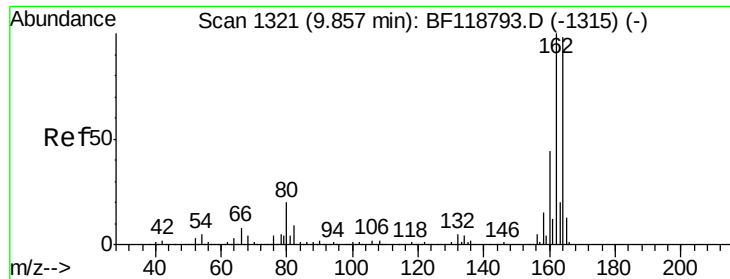
#25
Isophorone
Concen: 17.934 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Tgt Ion: 82 Resp: 472430
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.7 23.5#



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

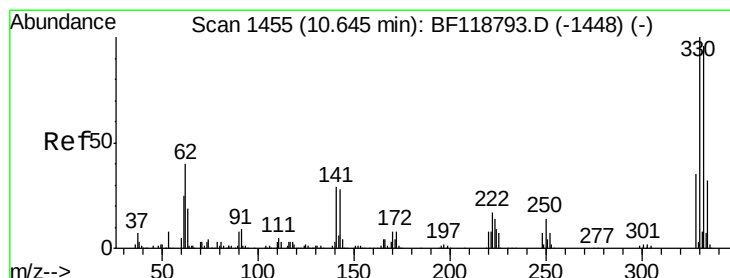
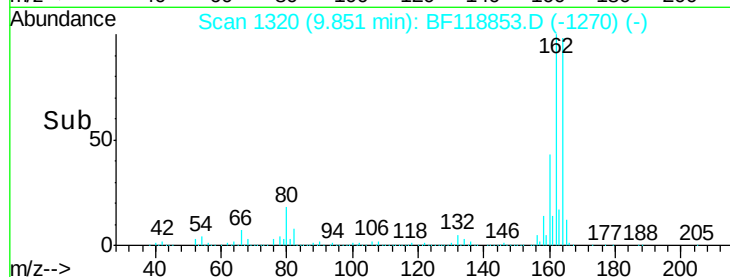
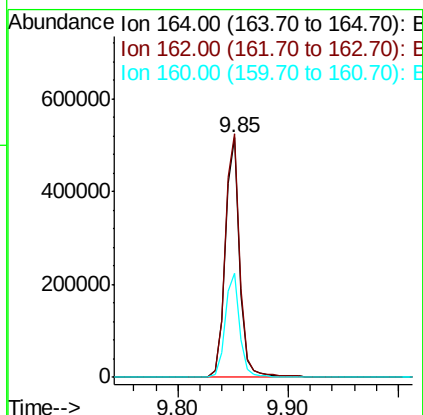
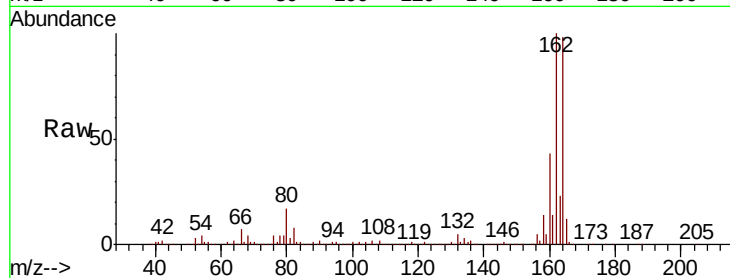




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF118853.D
 Acq: 7 Feb 2020 16:27

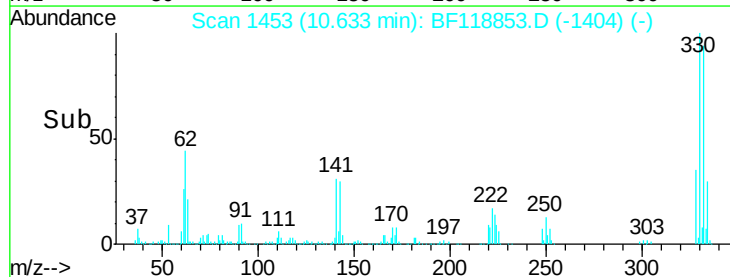
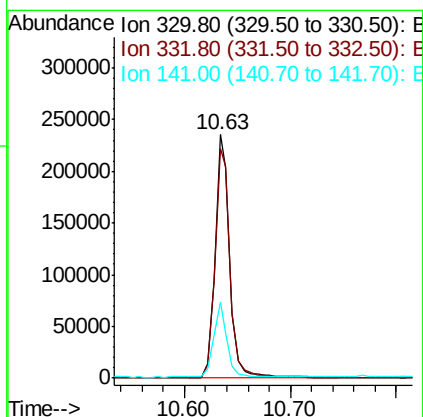
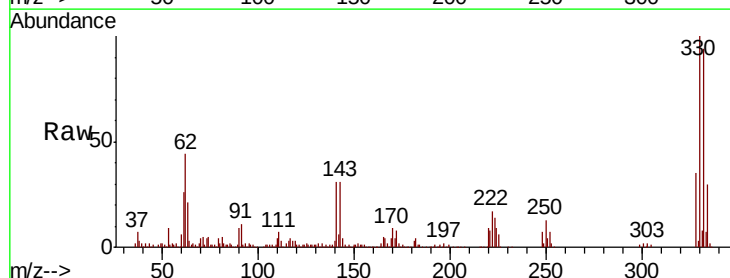
Instrument :
 BNA_F
 ClientSampleId :

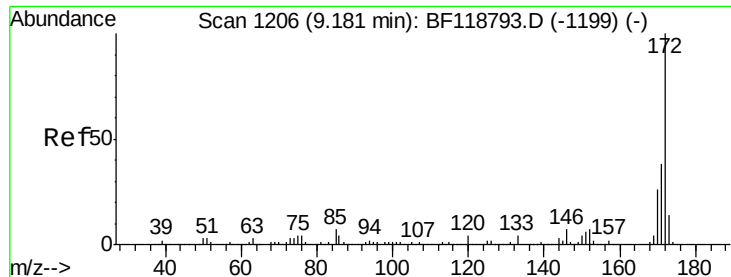
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.4	122.2
160	43.6	35.6	53.4



#42
 2,4,6-Tribromophenol
 Concen: 40.955 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118853.D
 Acq: 7 Feb 2020 16:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.3	115.9
141	27.8	22.4	33.6

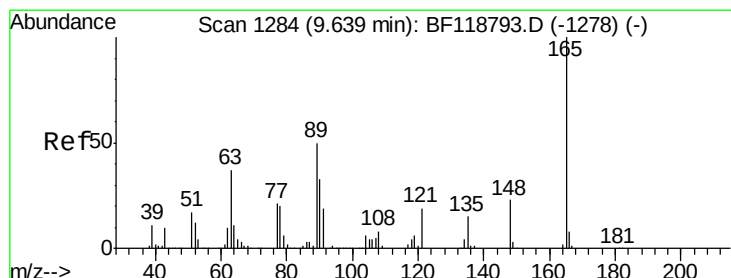
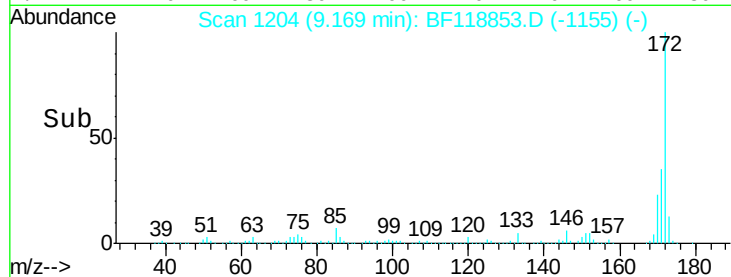
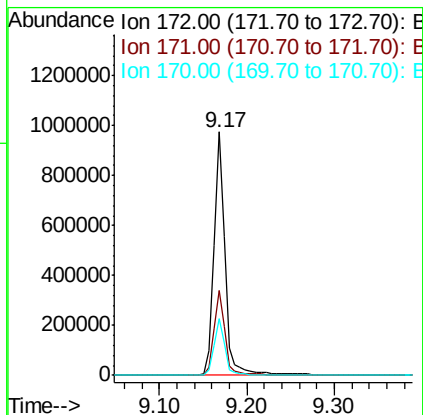
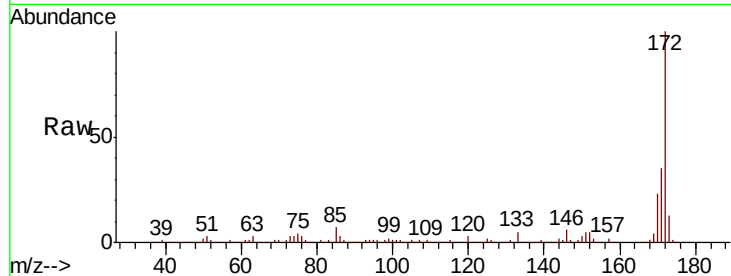




#45
2-Fluorobiphenyl
Concen: 33.049 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

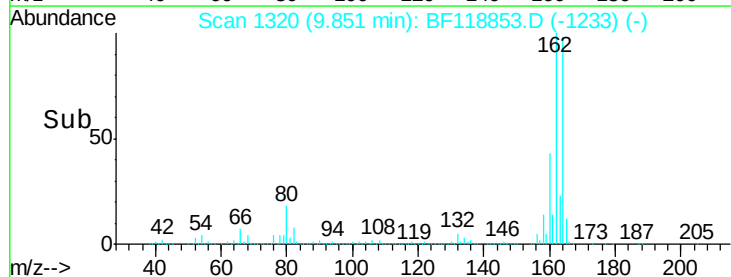
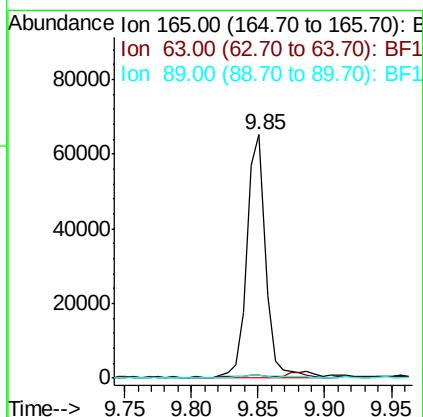
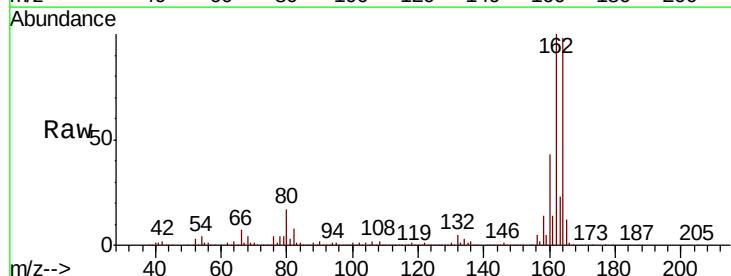
Instrument :
BNA_F
ClientSampleId :

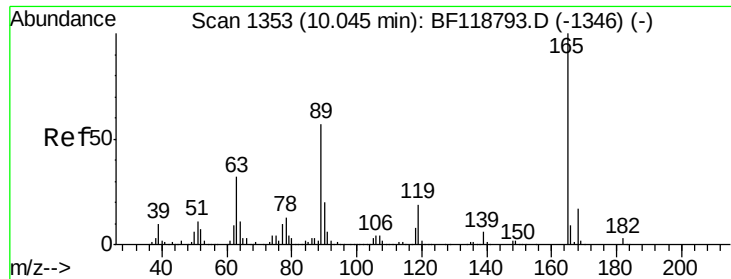
Tot Ion:172 Resp: 877760
Ion Ratio Lower Upper
172 100
171 35.0 30.8 46.2
170 23.5 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 8.761 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF118853.D
Acq: 7 Feb 2020 16:27

Tgt Ion:165 Resp: 64811
Ion Ratio Lower Upper
165 100
63 1.4 37.4 56.0#
89 1.2 39.7 59.5#

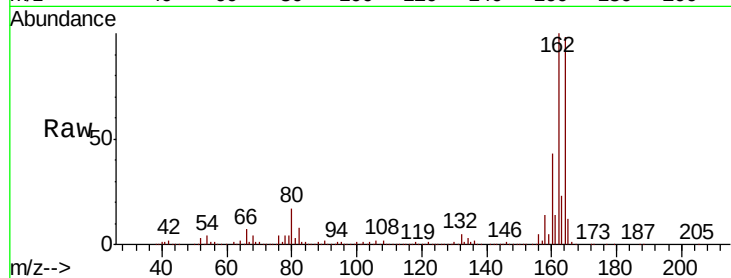




#57
 2,4-Dinitrotoluene
 Concen: 6.702 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF118853.D
 Acq: 7 Feb 2020 16:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.5	38.3#
89	1.2	45.4	68.0#
182	0.0	2.4	3.6#

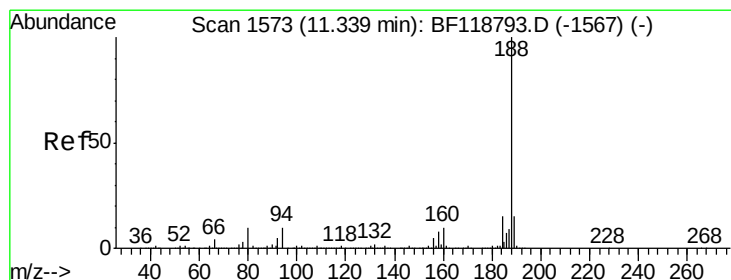
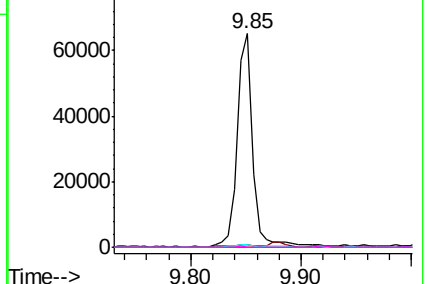
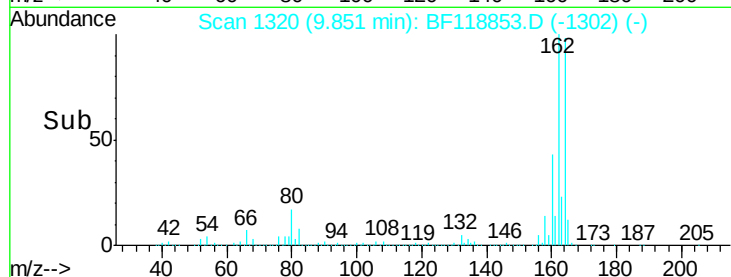


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

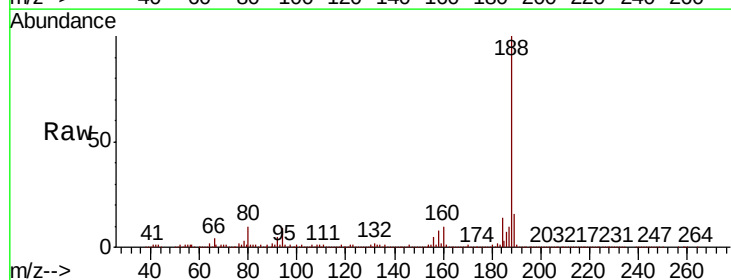
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF118853.D
 Acq: 7 Feb 2020 16:27

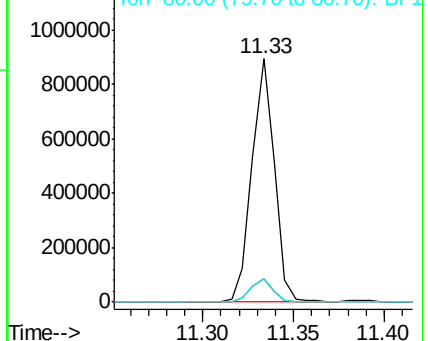
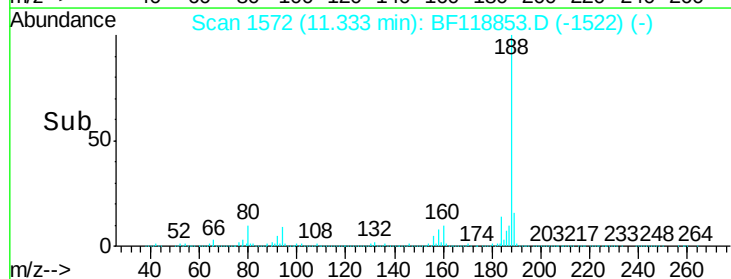
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	9.8	8.4	12.6

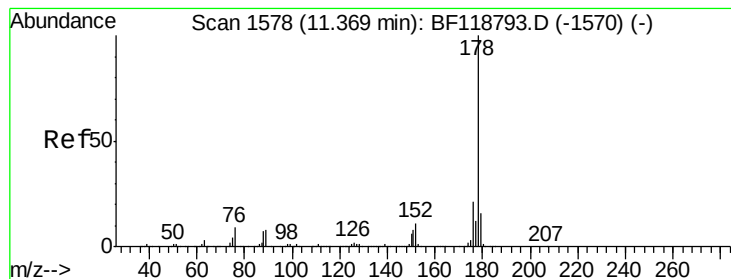


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 8.322 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampled :

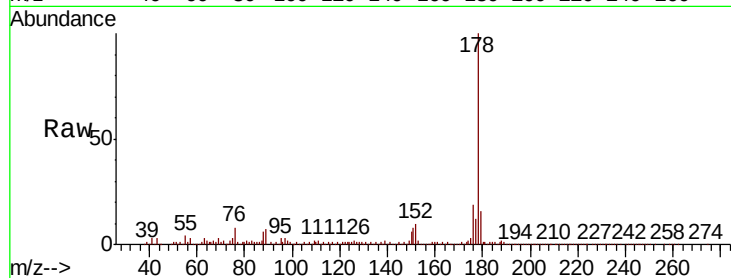
Tot Ion:178 Resp: 315607

Ion Ratio Lower Upper

178 100

176 19.1 16.6 24.8

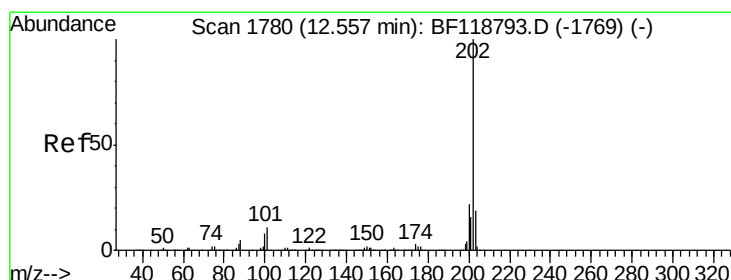
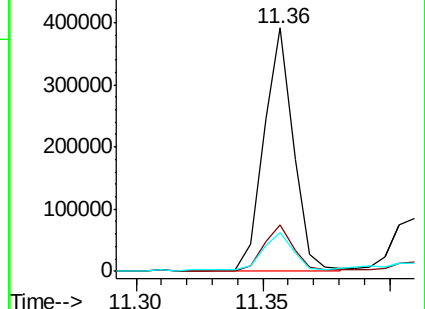
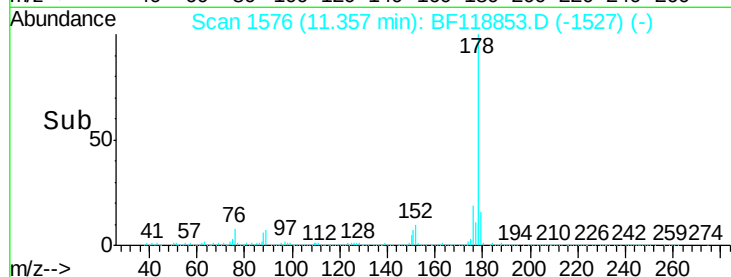
179 16.2 13.2 19.8



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



#75

Fluoranthene

Concen: 10.919 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

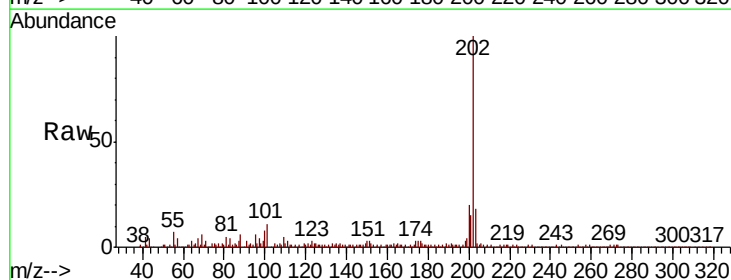
Tgt Ion:202 Resp: 452105

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.0

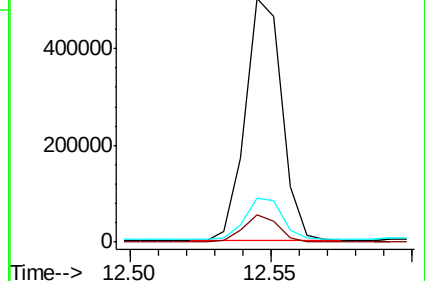
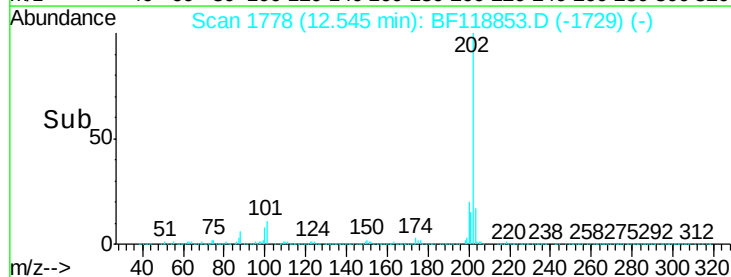
203 17.9 0.0 38.7

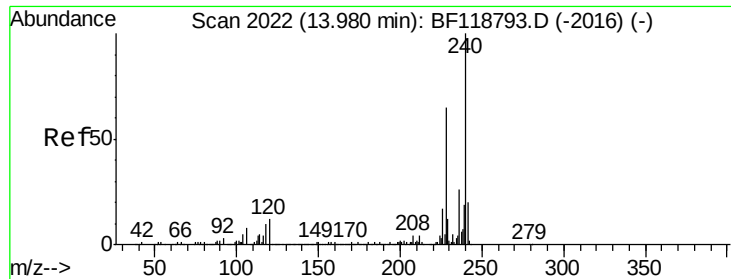


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampleId :

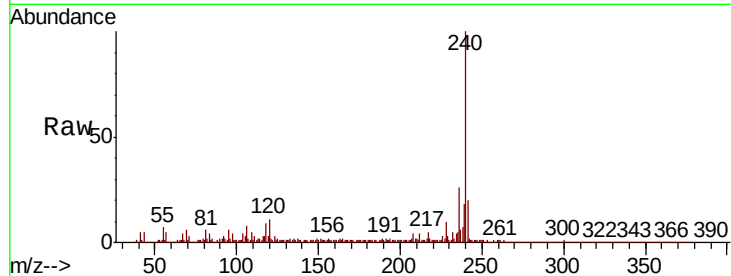
Tot Ion:240 Resp: 597197

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.0

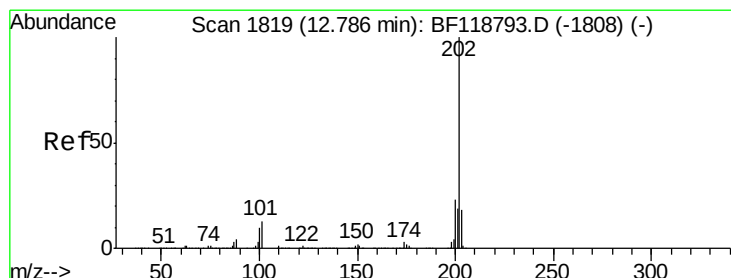
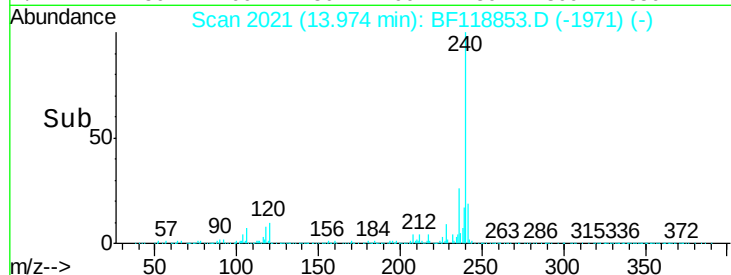
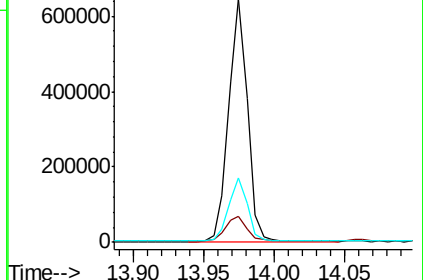
236 26.3 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 10.212 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

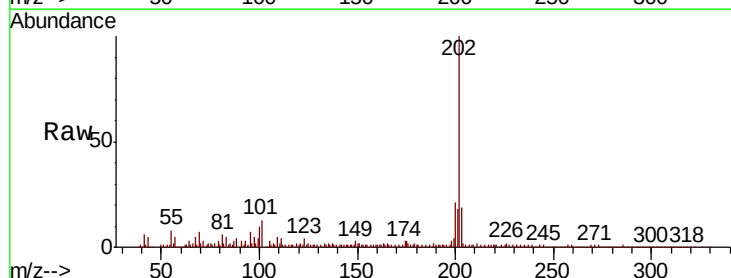
Tgt Ion:202 Resp: 418385

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.2

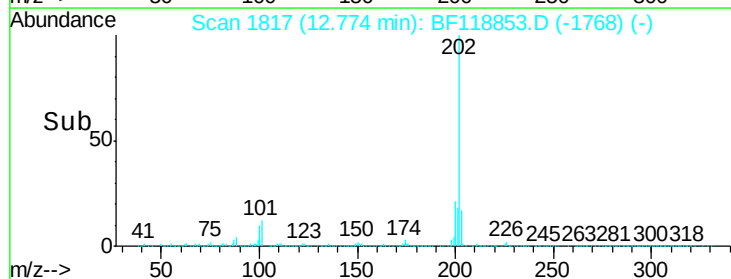
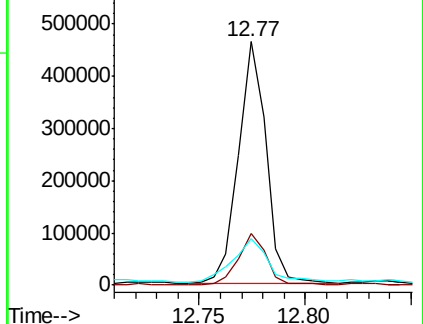
203 19.1 14.8 22.2

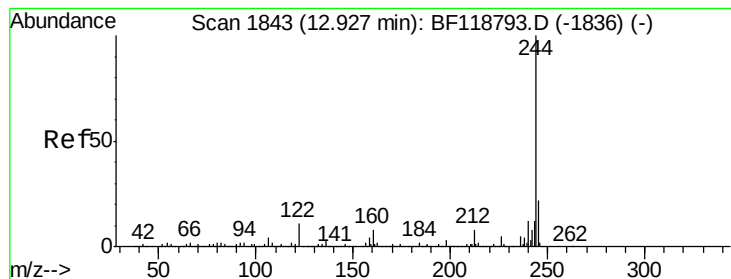


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 26.305 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampled :

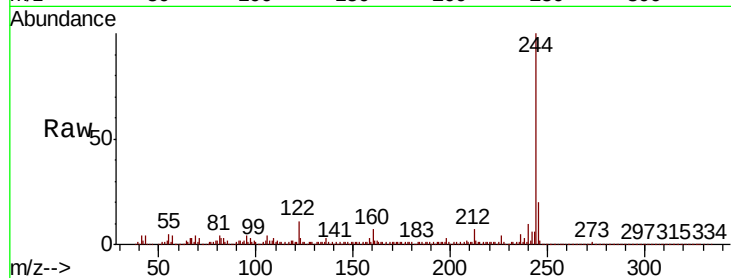
Tot Ion:244 Resp: 764809

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

122 10.9 8.9 13.3

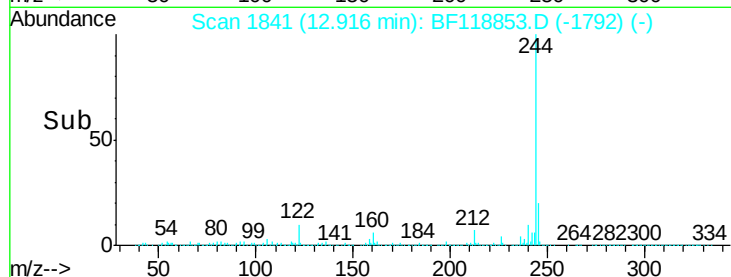


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



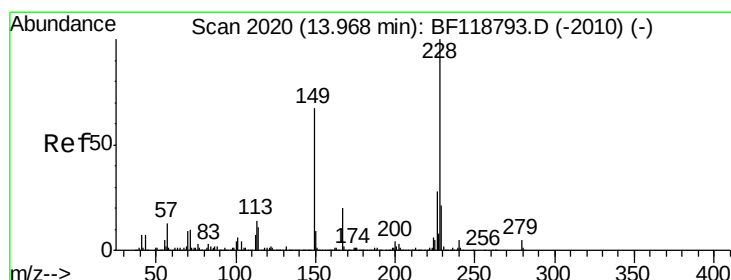
Abundance

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

Time-->



#81

Benzo(a)anthracene

Concen: 6.911 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

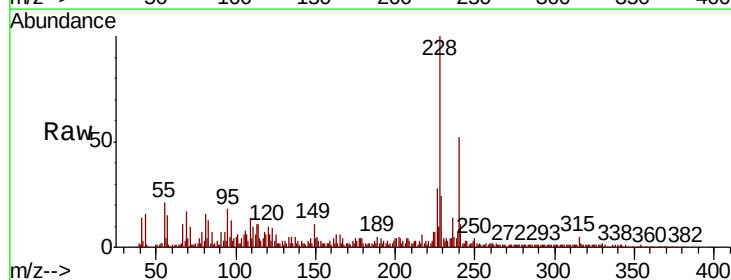
Tgt Ion:228 Resp: 245585

Ion Ratio Lower Upper

228 100

226 28.3 22.7 34.1

229 24.0 16.6 25.0

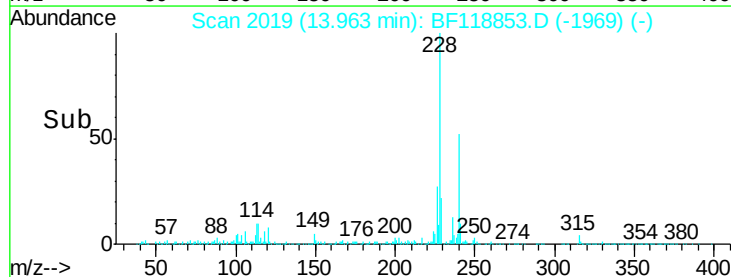


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



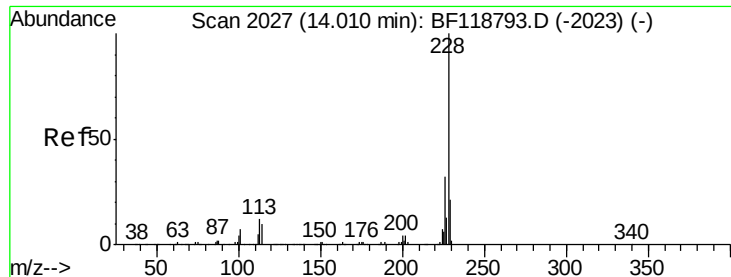
Abundance

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-->



#83

Chrysene

Concen: 6.778 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampleId :

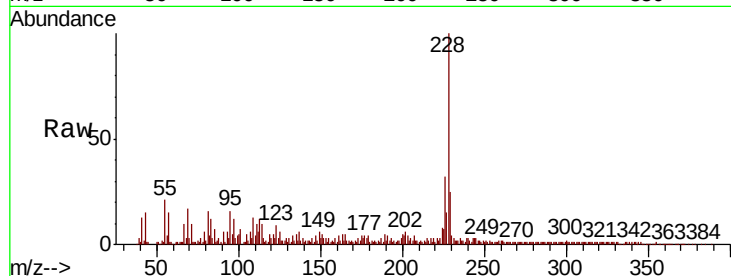
Tot Ion:228 Resp: 241751

Ion Ratio Lower Upper

228 100

226 31.7 25.4 38.0

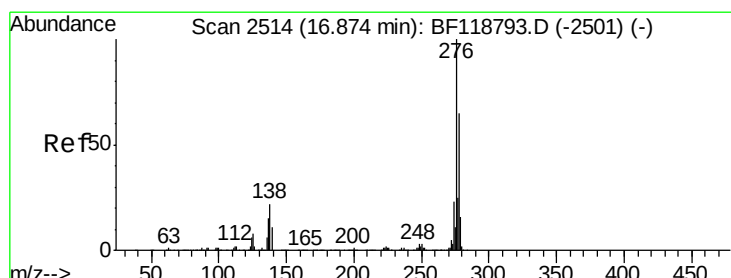
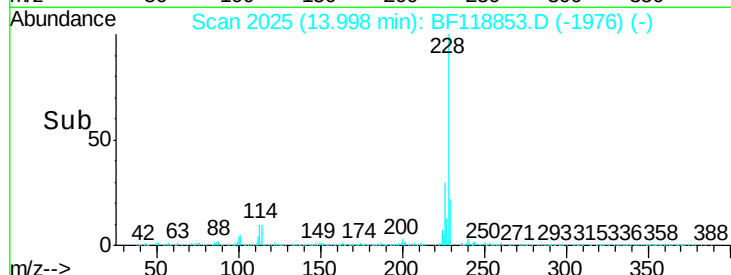
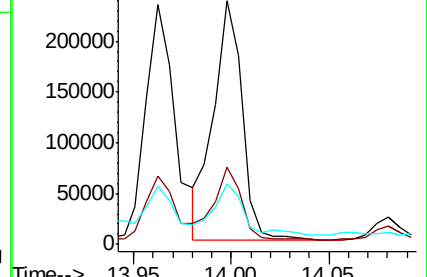
229 25.0 16.9 25.3



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.274 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

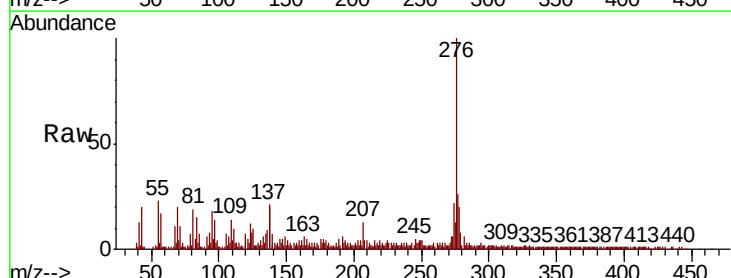
Tgt Ion:276 Resp: 153169

Ion Ratio Lower Upper

276 100

138 18.8 18.3 27.5

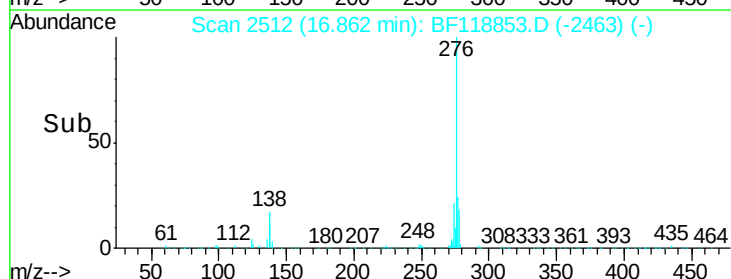
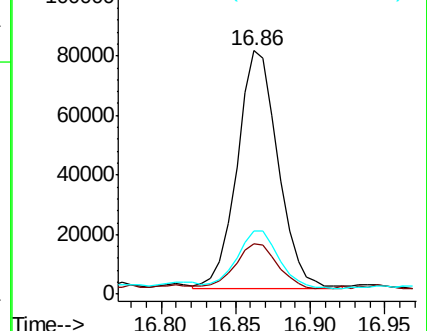
277 25.0 20.2 30.4

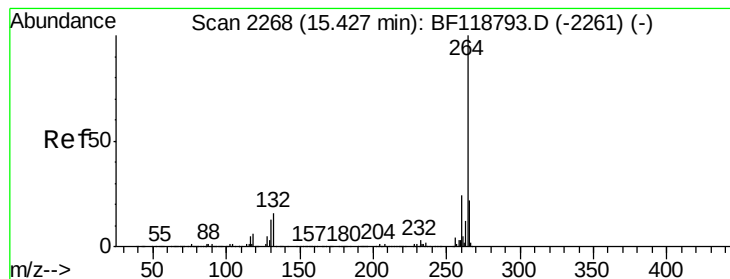


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampleId :

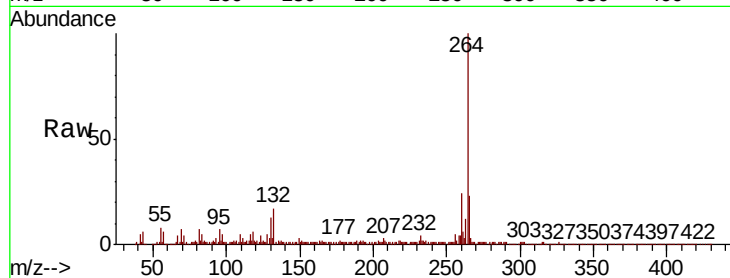
Tot Ion:264 Resp: 620411

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

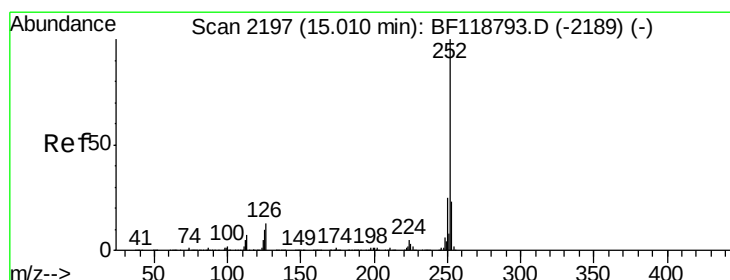
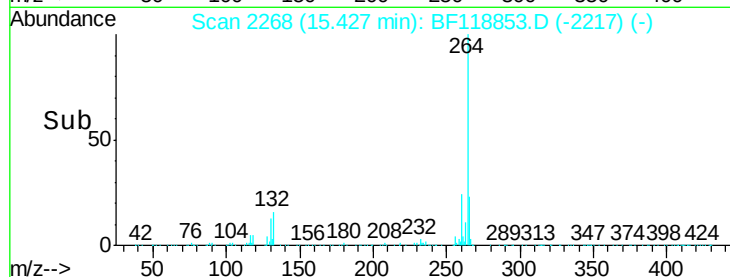
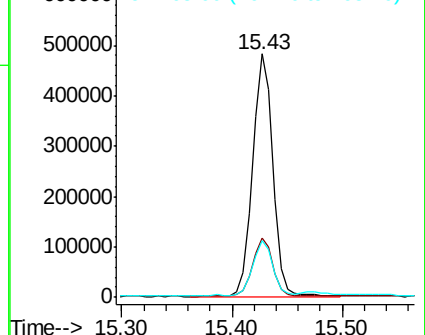
265 23.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 11.675 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

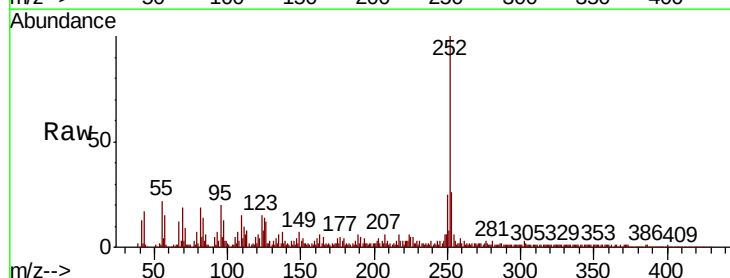
Tgt Ion:252 Resp: 449443

Ion Ratio Lower Upper

252 100

253 26.0 18.4 27.6

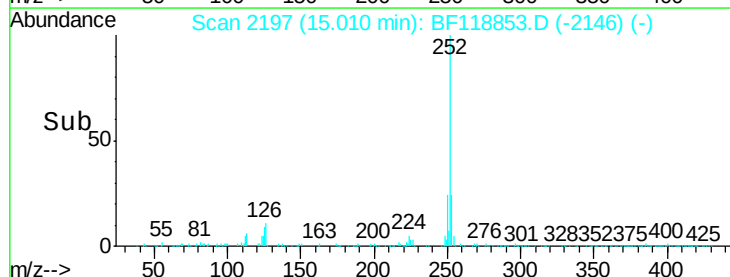
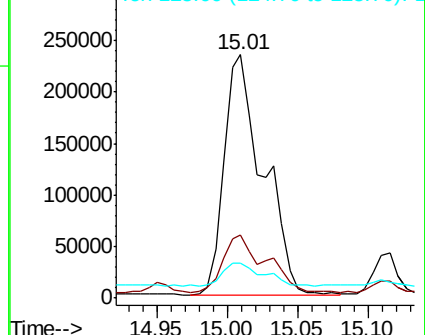
125 14.2 8.1 12.1#

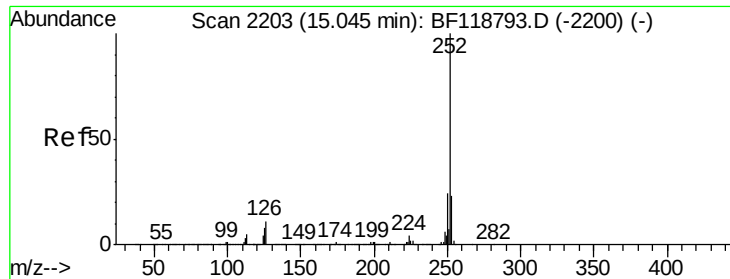


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 13.407 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

Instrument :

BNA_F

ClientSampleId :

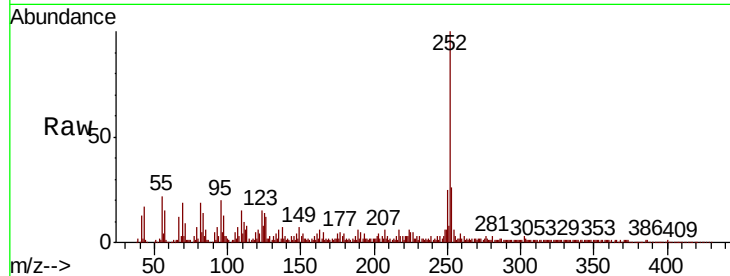
Tot Ion:252 Resp: 449443

Ion Ratio Lower Upper

252 100

253 26.0 18.2 27.4

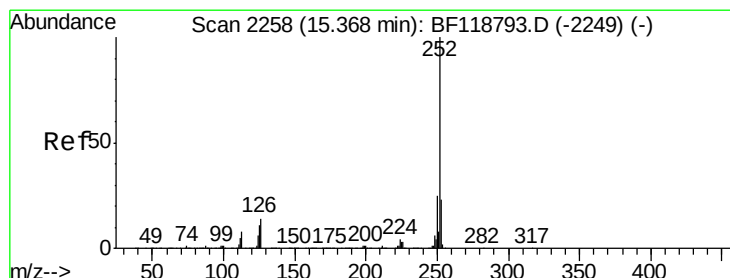
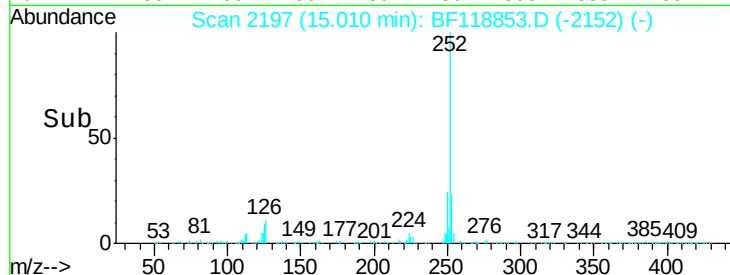
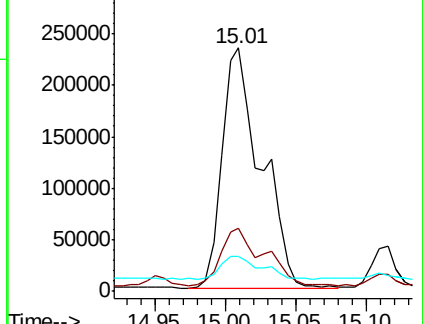
125 14.2 7.0 10.6#



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



#90

Benzo(a)pyrene

Concen: 7.166 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF118853.D

Acq: 7 Feb 2020 16:27

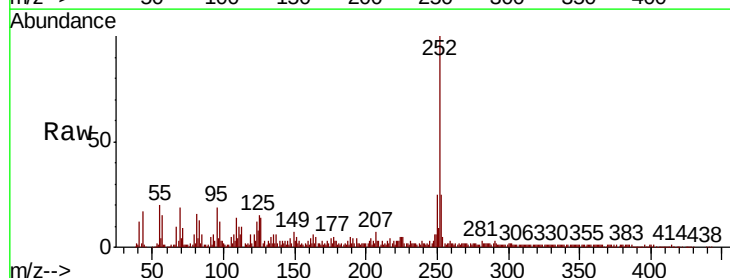
Tgt Ion:252 Resp: 236080

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

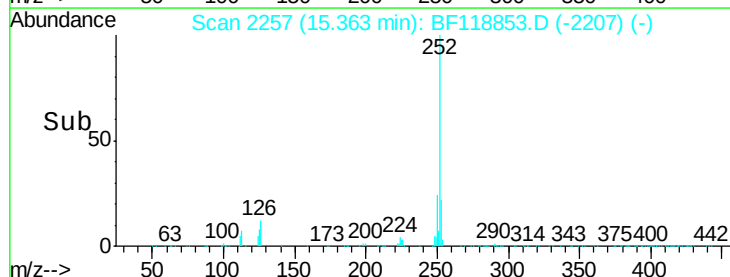
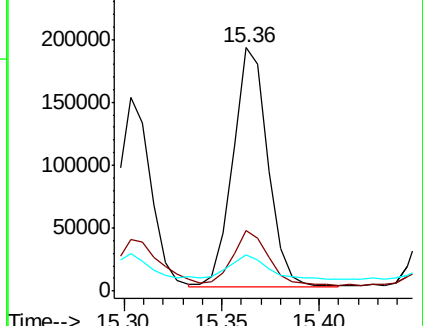
125 14.6 8.7 13.1#

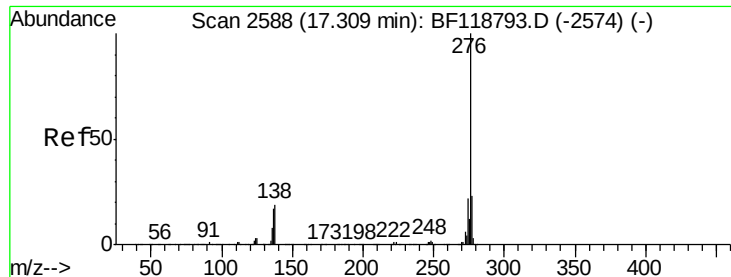


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

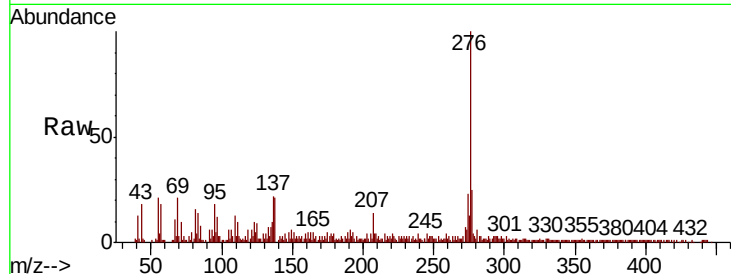




#92
 Benzo(a,h,i)perylene
 Concen: 5.367 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. -0.01 min
 Lab File: BF118853.D
 Acq: 7 Feb 2020 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.7	28.1
138	20.5	15.4	23.2



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

