

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118849.D
 Acq On : 7 Feb 2020 14:36
 Operator : CG/JU
 Sample : L1433-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 03:35:27 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	6.81	152	239620	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	917049	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	531730	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1048214	20.00	ng	0.00
76) Chrysene-d12	13.97	240	902959	20.00	ng	-0.01
87) Perylene-d12	15.42	264	872910	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1105630	87.34	ng	0.00
7) Phenol-d6	6.45	99	1314534	83.65	ng	0.00
23) Nitrobenzene-d5	7.37	82	854637	55.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	536630	84.35	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1762084	59.24	ng	-0.01
79) Terphenyl-d14	12.92	244	2355391	53.58	ng	-0.01

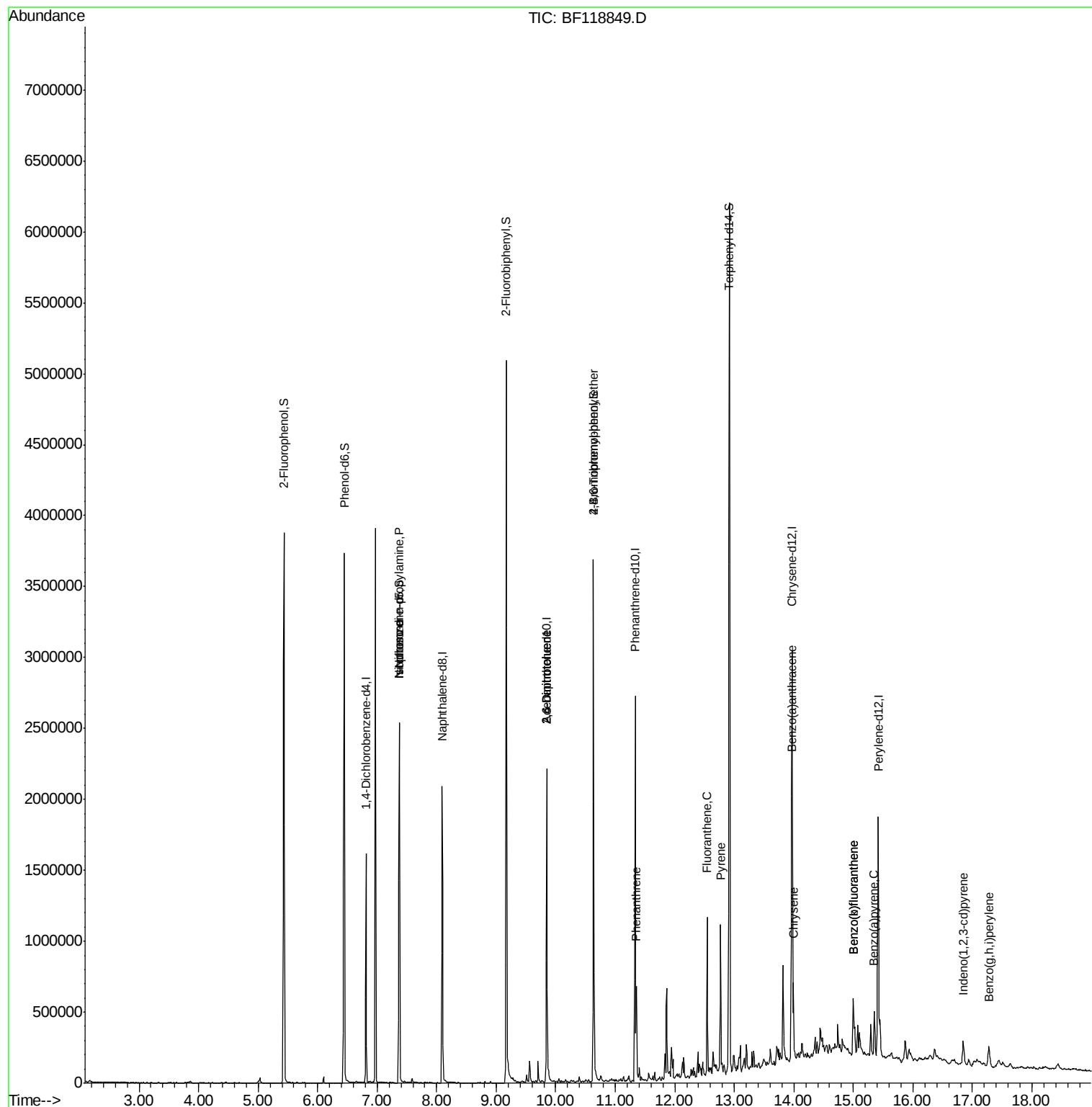
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	2769	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	117869	12.259	ng	# 77
25) Isophorone	7.37	82	854630	30.908	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	69081	8.339	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	69552	6.344	ng	# 34
67) 4-Bromophenyl-phenylether	10.63	248	33803	2.726	ng	# 1
71) Phenanthrene	11.36	178	257994	5.002	ng	95
75) Fluoranthene	12.55	202	451574	8.020	ng	97
78) Pyrene	12.77	202	448187	7.235	ng	98
81) Benzo(a)anthracene	13.96	228	178341	3.319	ng	96
83) Chrysene	13.99	228	206330	3.826	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	119607	2.207	ng	96
88) Benzo(b)fluoranthene	15.00	252	302478	5.584	ng	99
89) Benzo(k)fluoranthene	15.00	252	302478	6.413	ng	98
90) Benzo(a)pyrene	15.35	252	156328	3.372	ng	100
92) Benzo(g,h,i)perylene	17.27	276	119843	3.028	ng	96

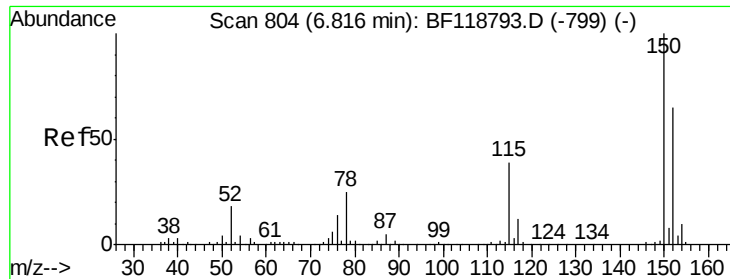
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:26:03 2020
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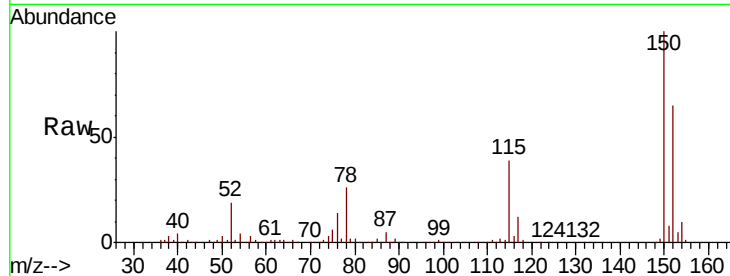


#1

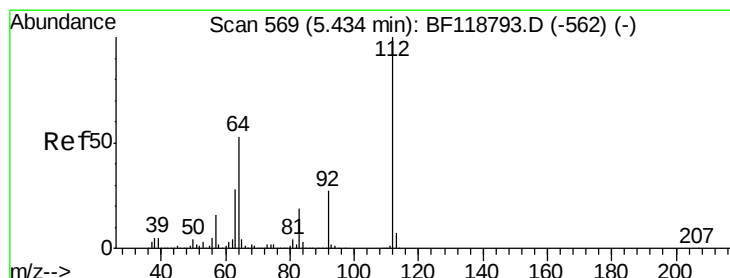
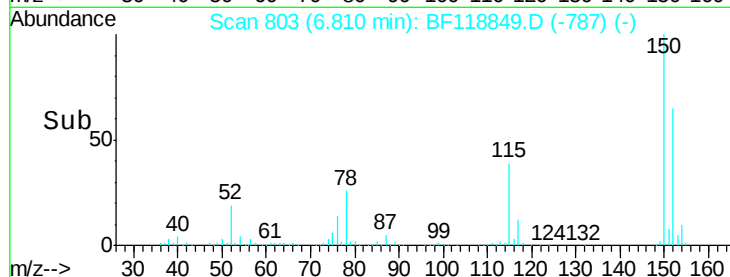
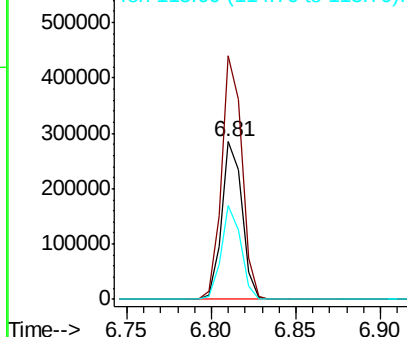
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 239620
Ion Ratio Lower Upper
152 100
150 154.7 123.6 185.4
115 59.6 48.2 72.2



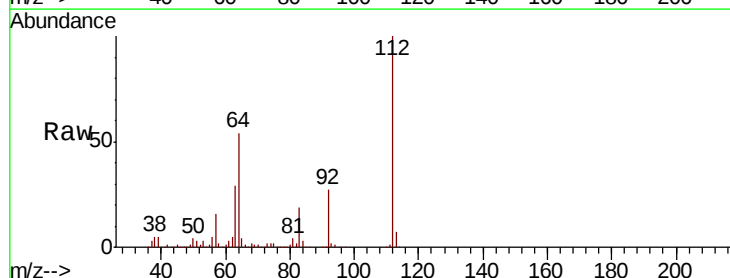
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



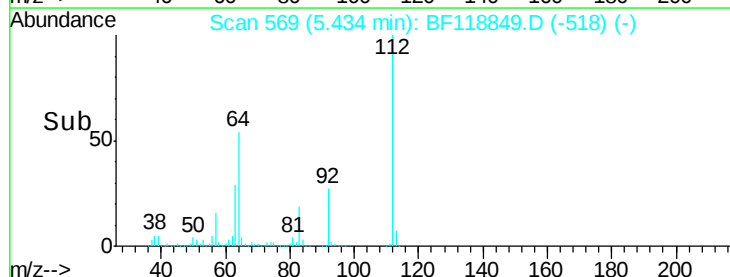
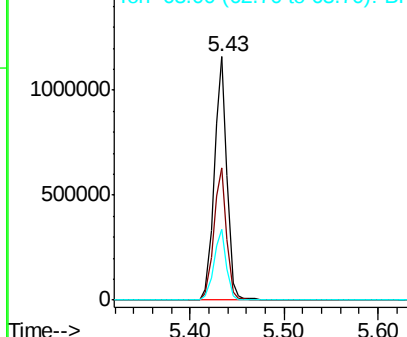
#5

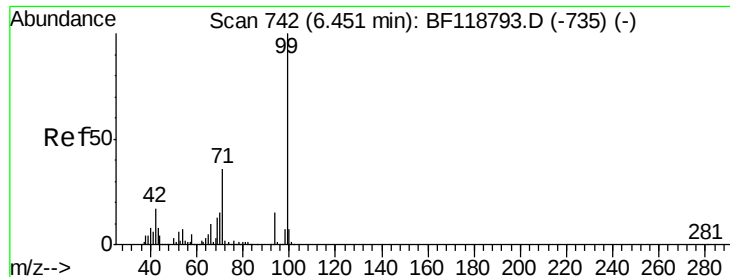
2-Fluorophenol
Concen: 87.342 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Tgt Ion:112 Resp: 1105630
Ion Ratio Lower Upper
112 100
64 54.4 42.6 63.8
63 28.9 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: 83.654 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

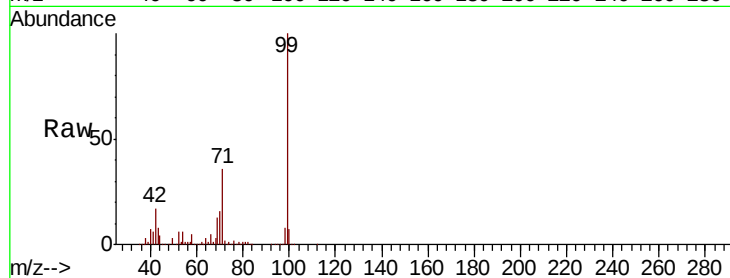
Tot Ion: 99 Resp: 1314534

Ion Ratio Lower Upper

99 100

42 16.6 13.4 20.0

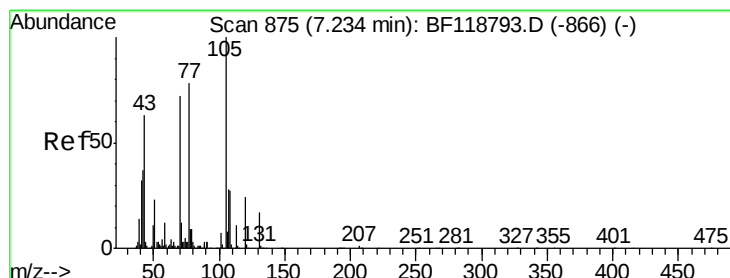
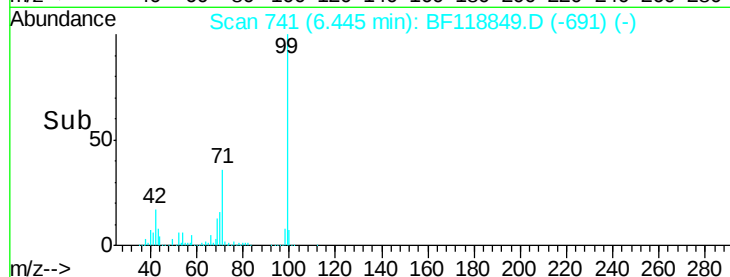
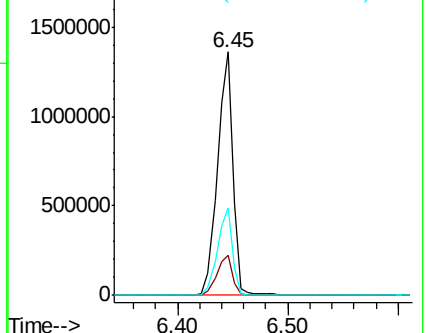
71 35.8 29.0 43.6



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: 12.259 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Tgt Ion: 70 Resp: 117869

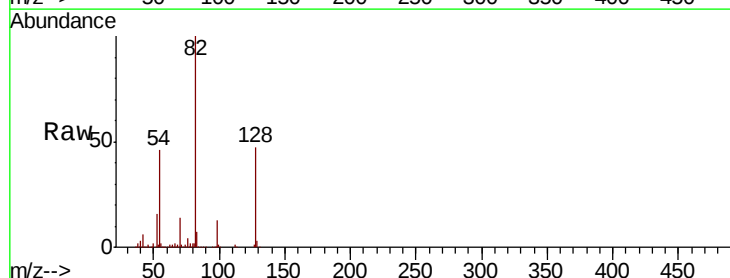
Ion Ratio Lower Upper

70 100

42 43.0 41.5 62.3

101 0.0 8.3 12.5#

130 2.2 19.2 28.8#

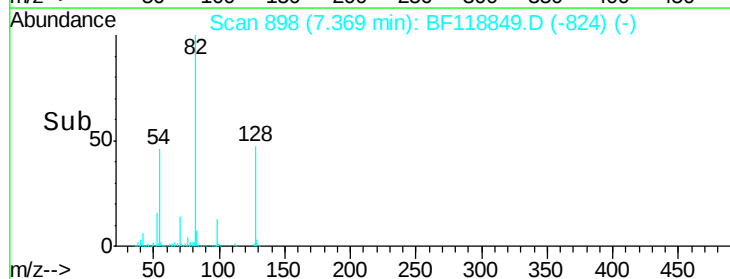
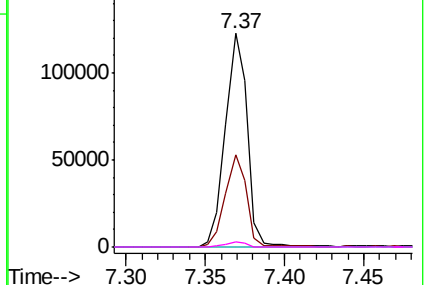


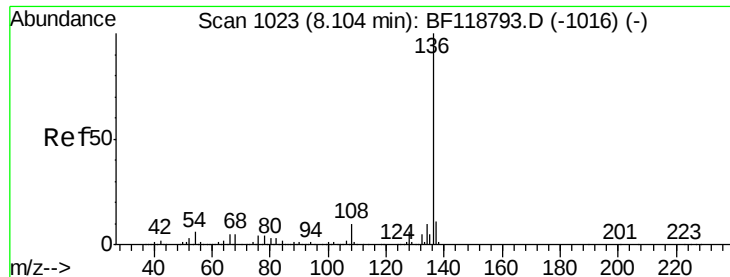
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 917049

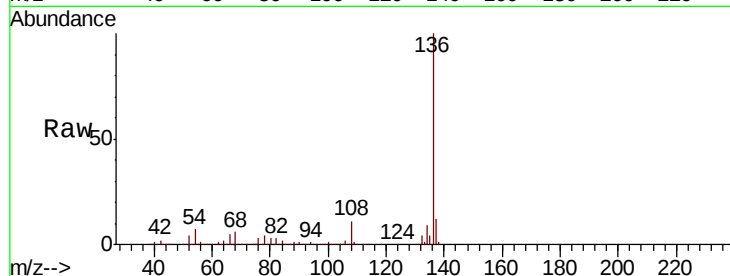
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 6.7 5.0 7.6

68 6.1 4.2 6.4

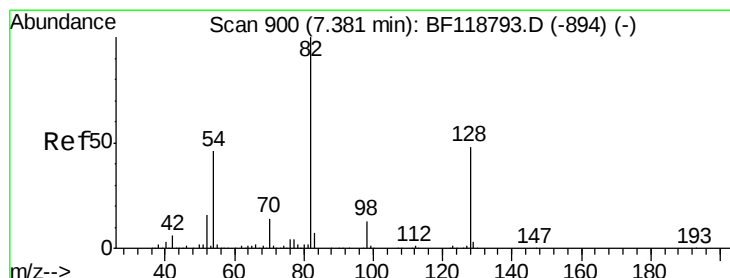
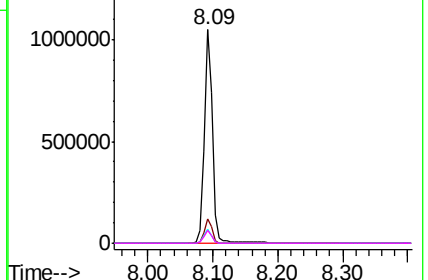
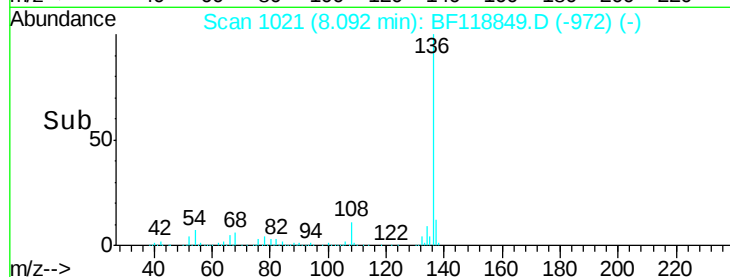


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.548 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

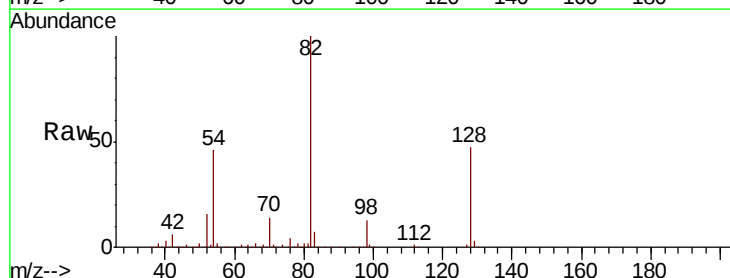
Tgt Ion: 82 Resp: 854637

Ion Ratio Lower Upper

82 100

128 47.1 38.5 57.7

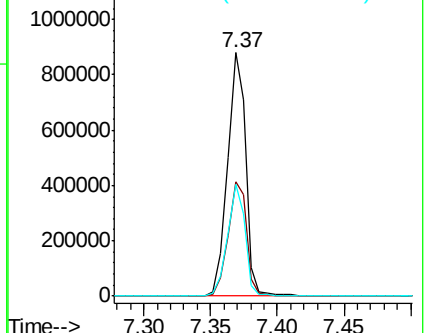
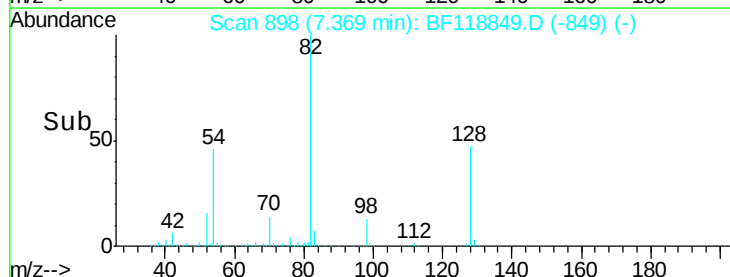
54 45.7 36.7 55.1

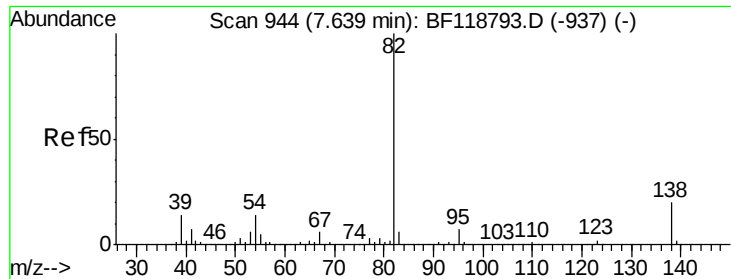


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

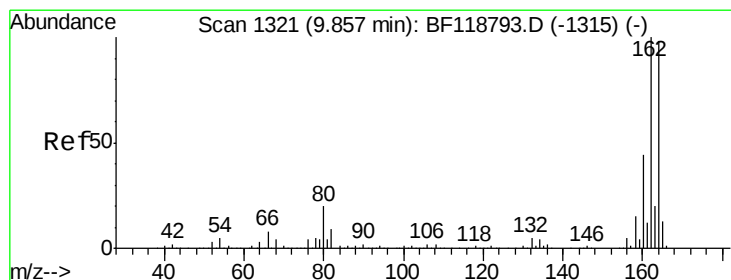
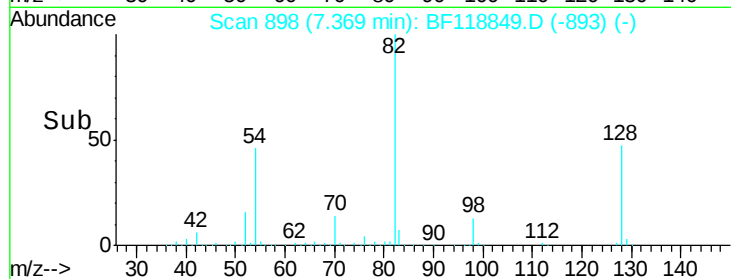
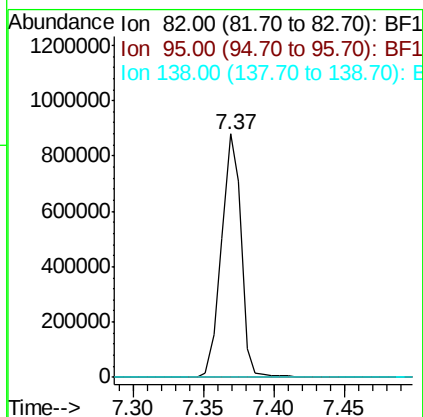
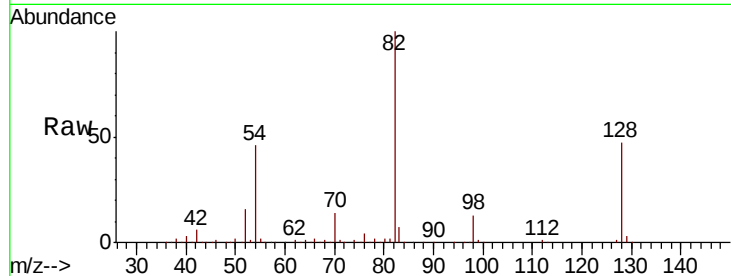




#25
Isophorone
Concen: 30.908 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

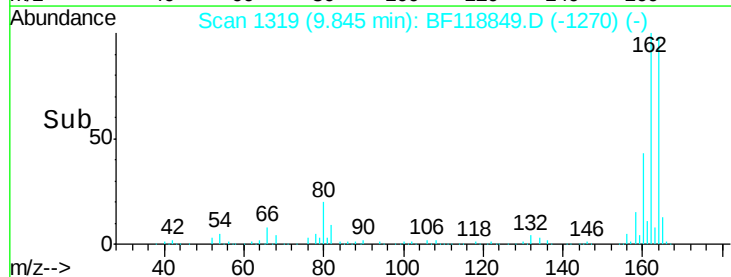
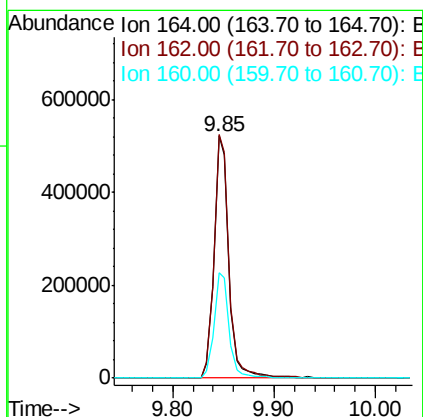
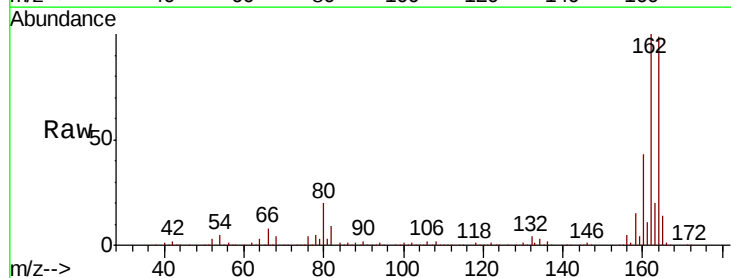
Instrument :
BNA_F
ClientSampled :

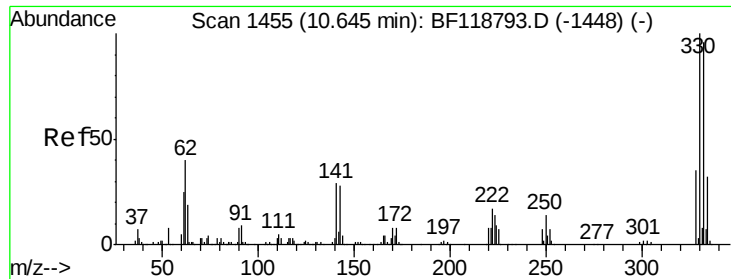
Tot Ion: 82 Resp: 854630
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Tgt Ion: 164 Resp: 531730
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.2
160 43.8 35.6 53.4

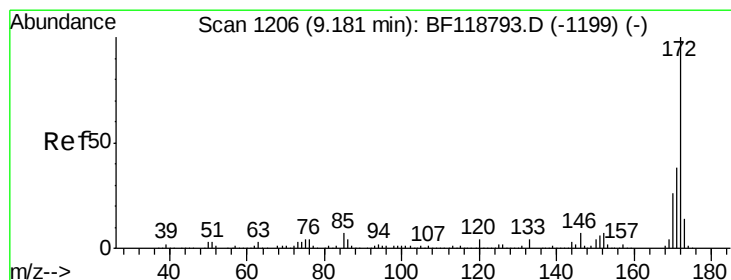
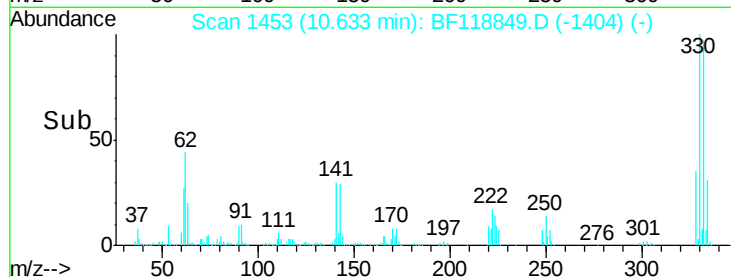
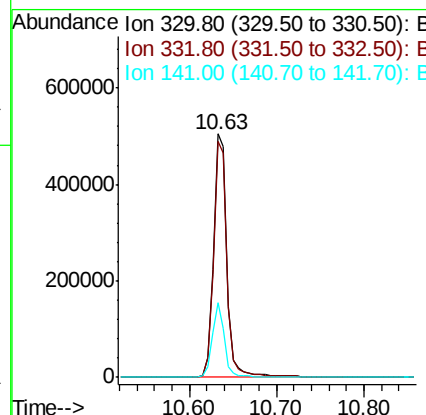
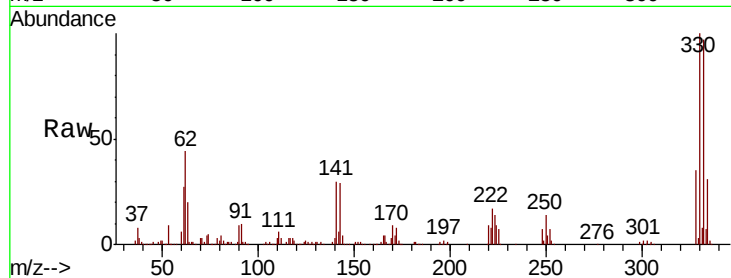




#42
 2,4,6-Tribromophenol
 Concen: 84.345 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118849.D
 Acq: 7 Feb 2020 14:36

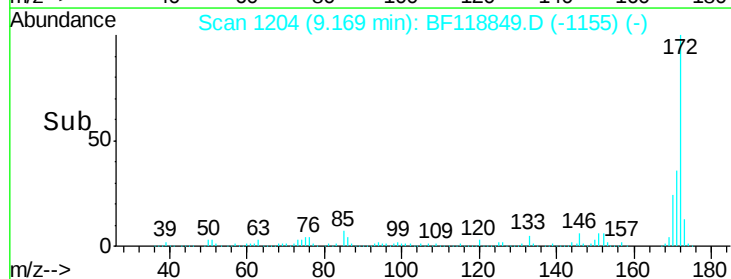
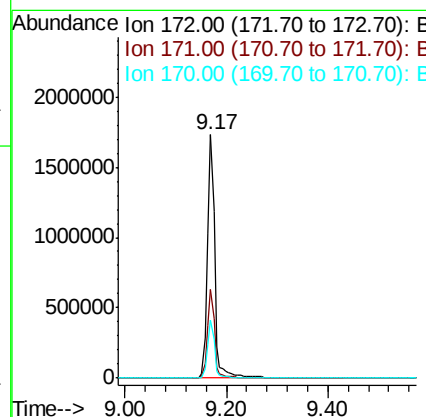
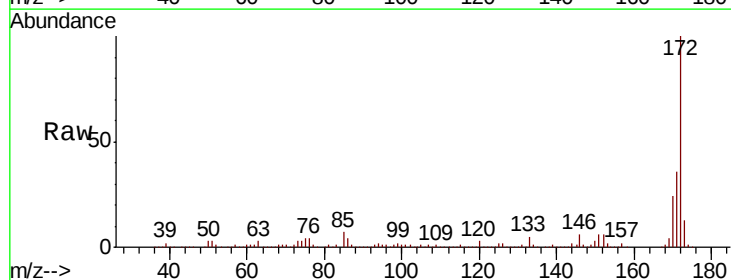
Instrument :
 BNA_F
 ClientSampleId :

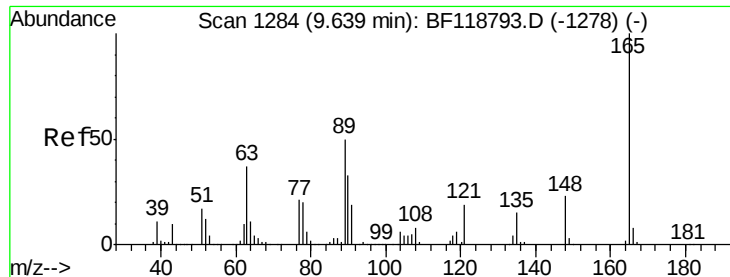
Tot Ion:330 Resp: 536630
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.3 115.9
 141 28.1 22.4 33.6



#45
 2-Fluorobiphenyl
 Concen: 59.242 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118849.D
 Acq: 7 Feb 2020 14:36

Tgt Ion:172 Resp: 1762084
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.8 46.2
 170 24.1 20.5 30.7





#51

2,6-Dinitrotoluene

Concen: 8.339 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

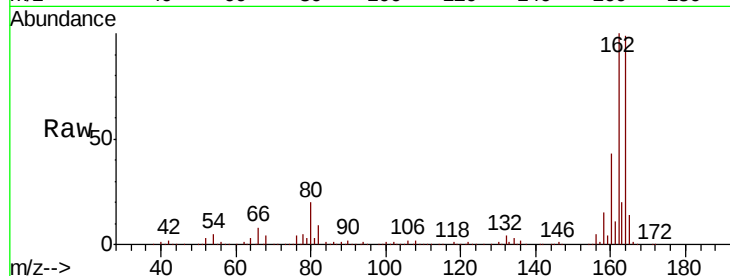
Tot Ion:165 Resp: 69081

Ion Ratio Lower Upper

165 100

63 1.5 37.4 56.0#

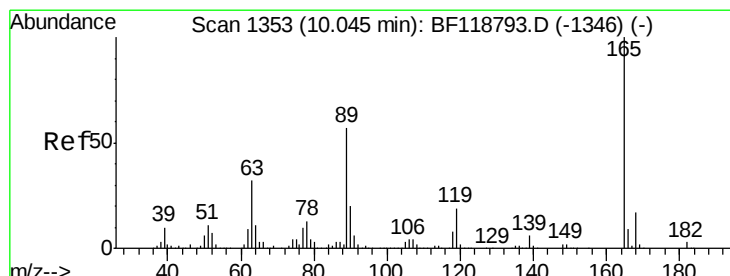
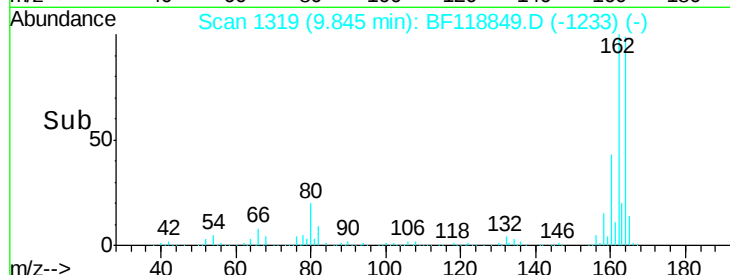
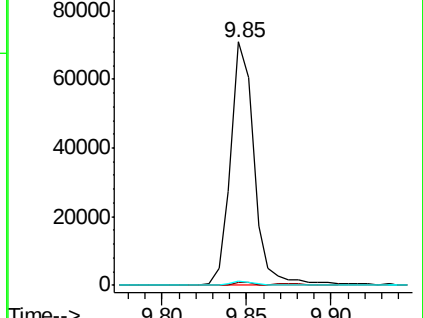
89 1.5 39.7 59.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.344 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Tgt Ion:165 Resp: 69552

Ion Ratio Lower Upper

165 100

63 1.5 25.5 38.3#

89 1.5 45.4 68.0#

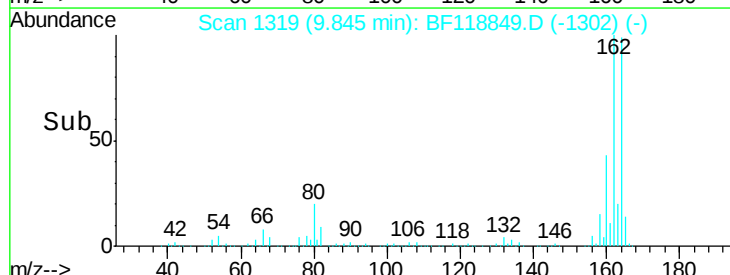
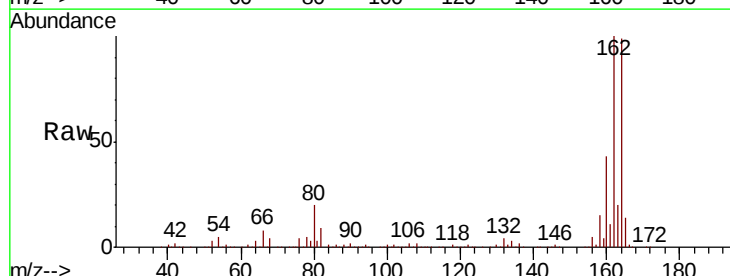
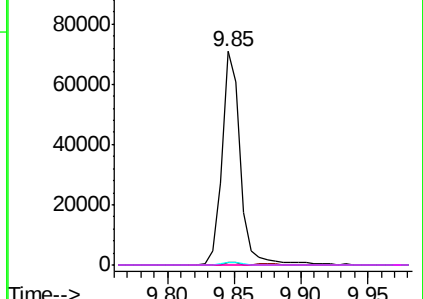
182 0.0 2.4 3.6#

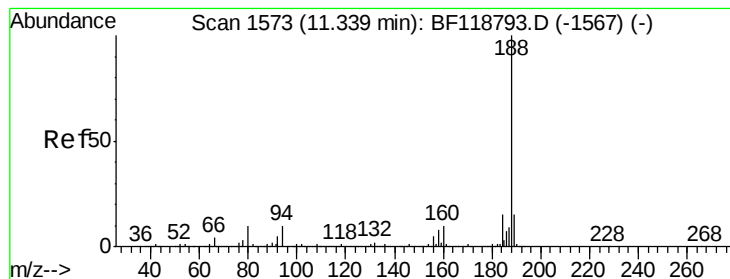
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

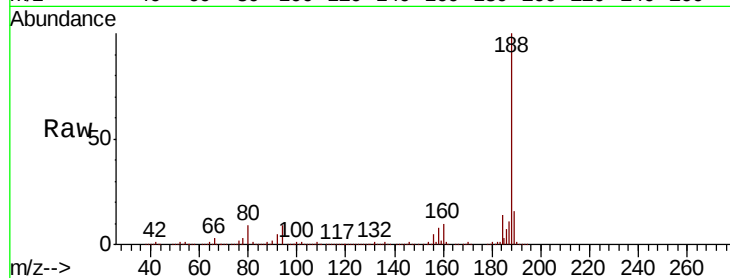
Tot Ion:188 Resp: 1048214

Ion Ratio Lower Upper

188 100

94 8.6 7.9 11.9

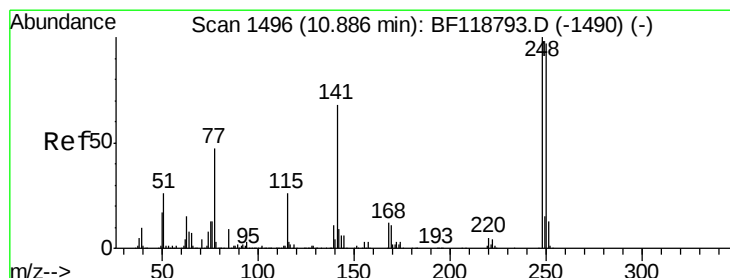
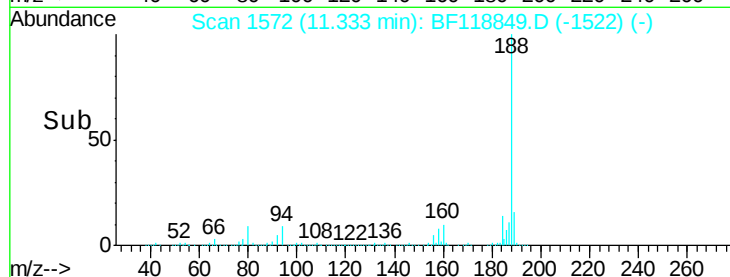
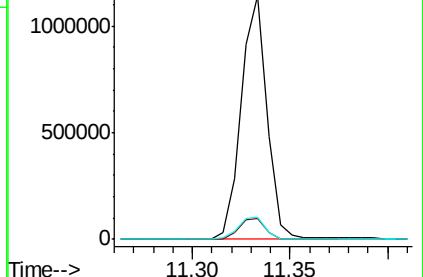
80 9.2 8.4 12.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.726 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

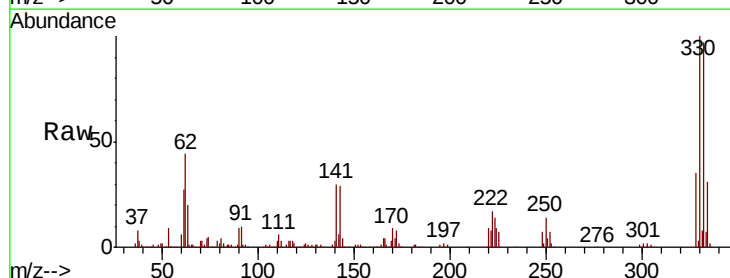
Tgt Ion:248 Resp: 33803

Ion Ratio Lower Upper

248 100

250 204.5 77.6 116.4#

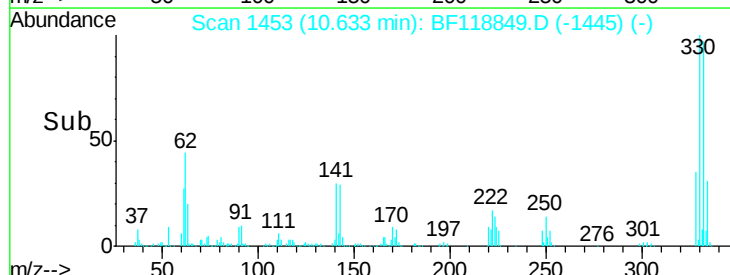
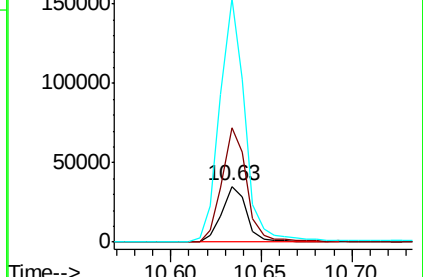
141 437.1 54.4 81.6#

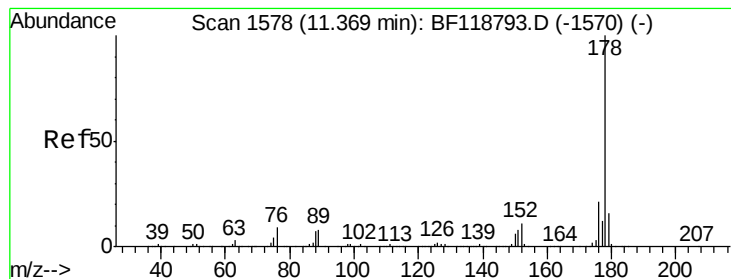


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.002 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

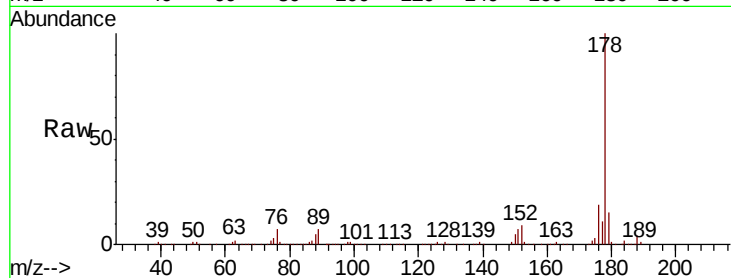
Tot Ion:178 Resp: 257994

Ion Ratio Lower Upper

178 100

176 18.5 16.6 24.8

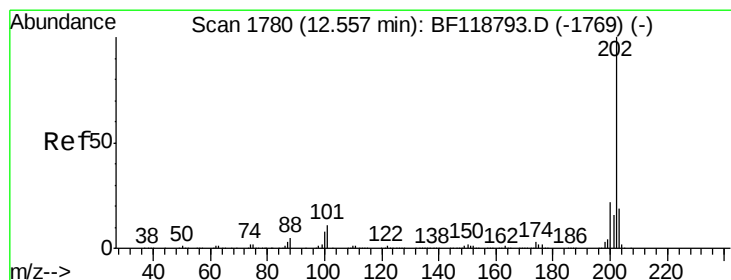
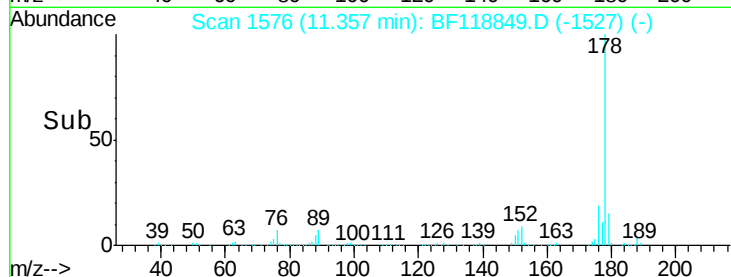
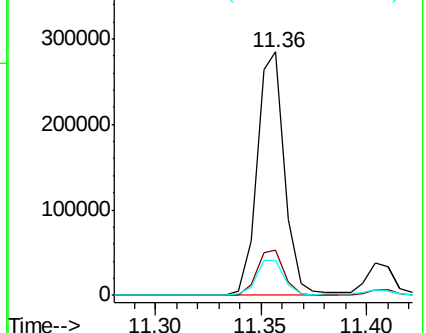
179 14.5 13.2 19.8



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: 8.020 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

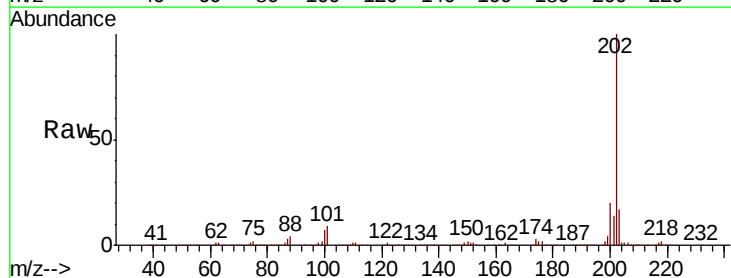
Tgt Ion:202 Resp: 451574

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.0

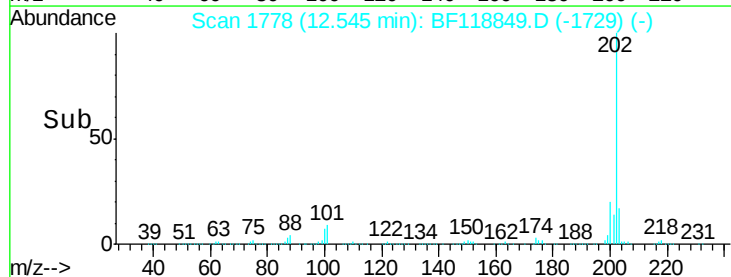
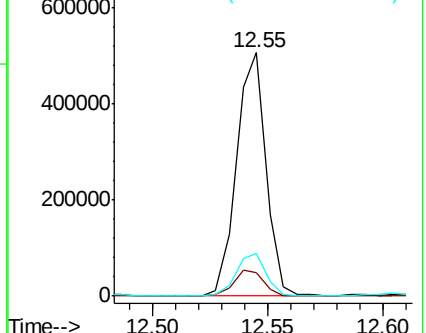
203 17.4 0.0 38.7

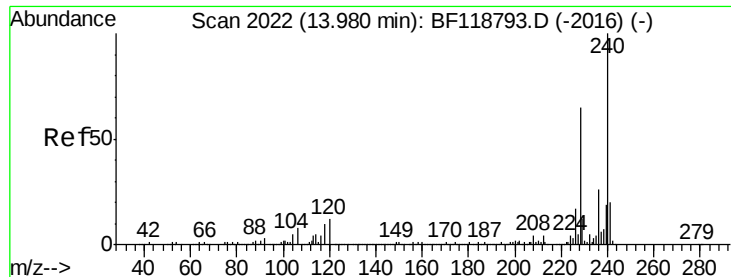


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2020

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

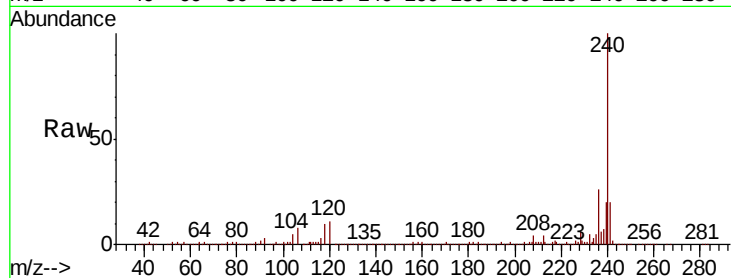
Tot Ion:240 Resp: 902959

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.0

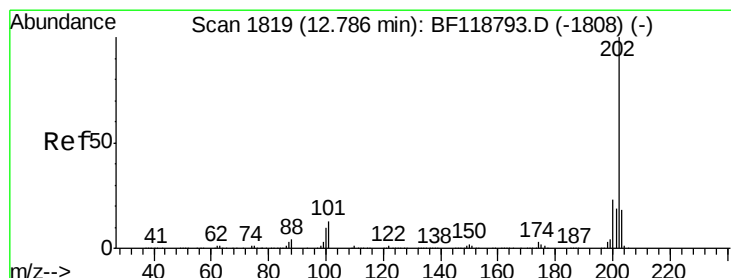
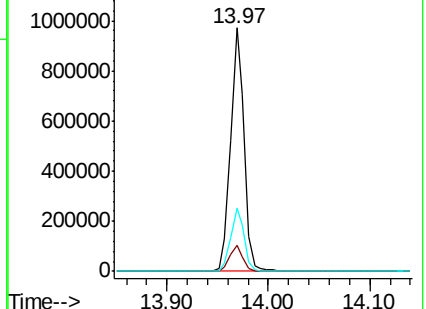
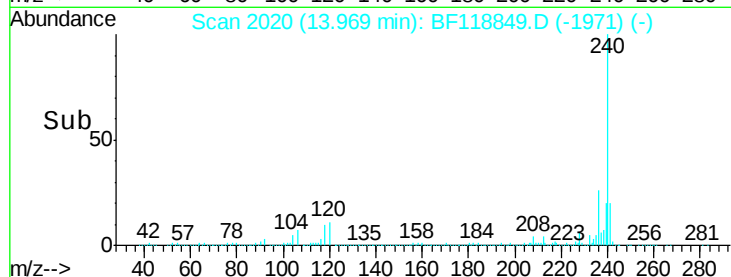
236 25.9 21.0 31.6



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: 7.235 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

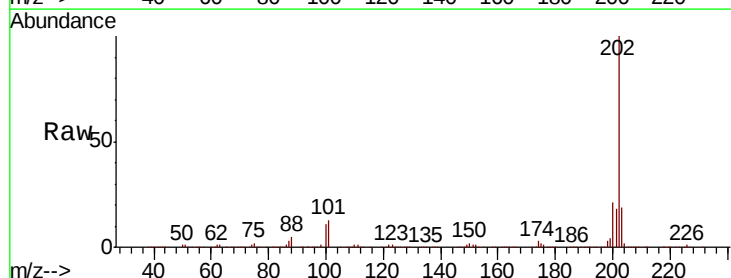
Tgt Ion:202 Resp: 448187

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.2

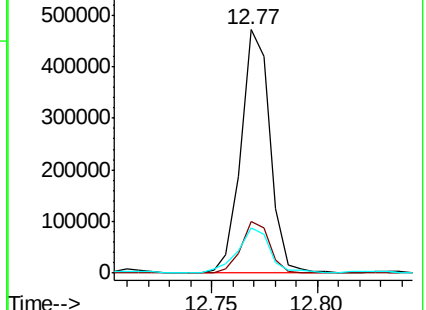
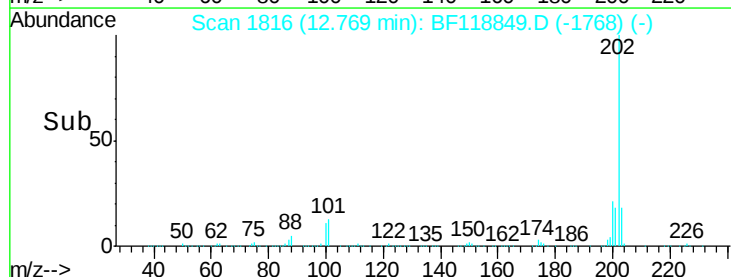
203 18.5 14.8 22.2

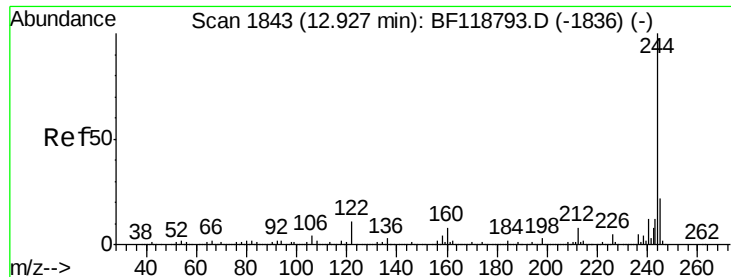


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.580 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

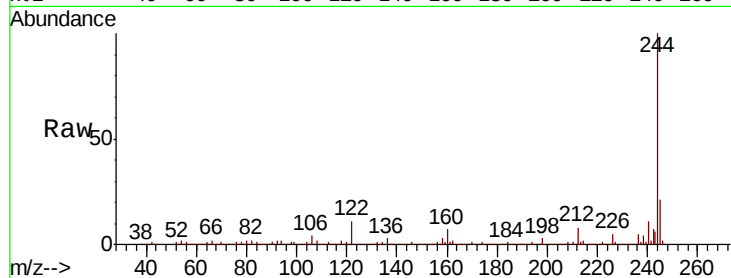
Tot Ion:244 Resp: 2355391

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

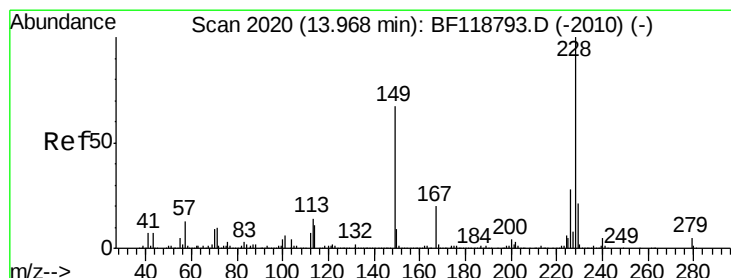
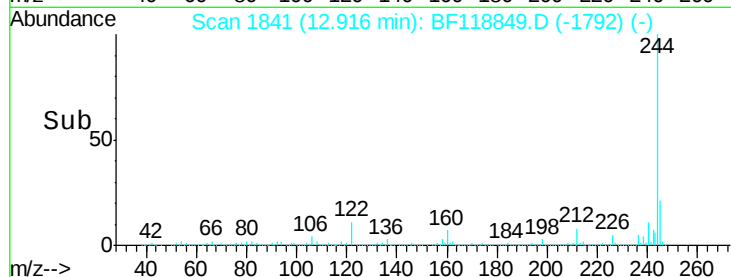
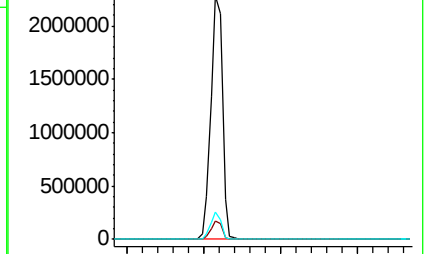
122 11.2 8.9 13.3



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



#81

Benzo(a)anthracene

Concen: 3.319 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

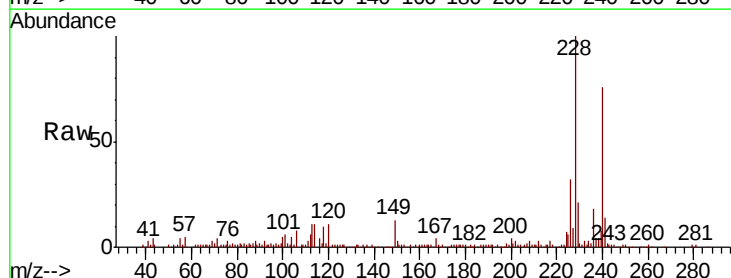
Tgt Ion:228 Resp: 178341

Ion Ratio Lower Upper

228 100

226 31.9 22.7 34.1

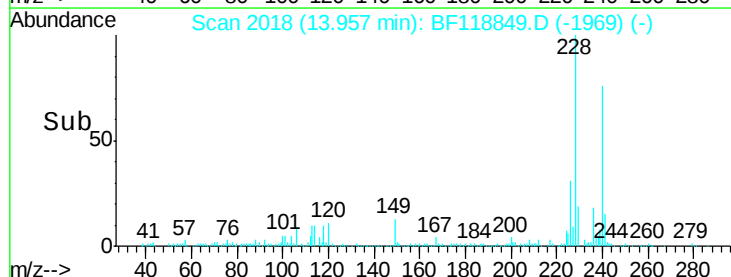
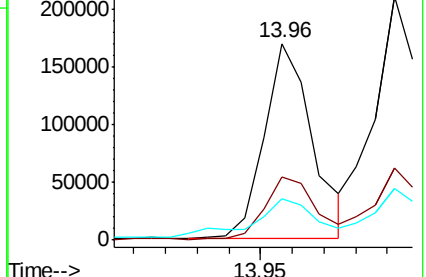
229 21.2 16.6 25.0

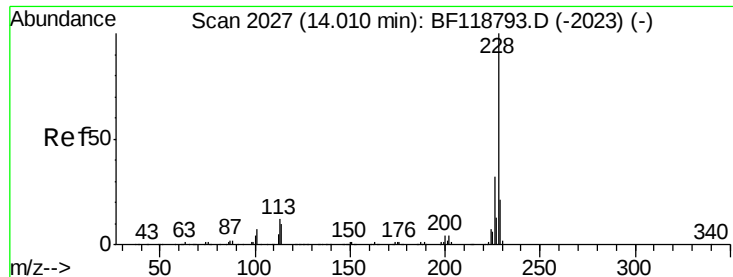


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

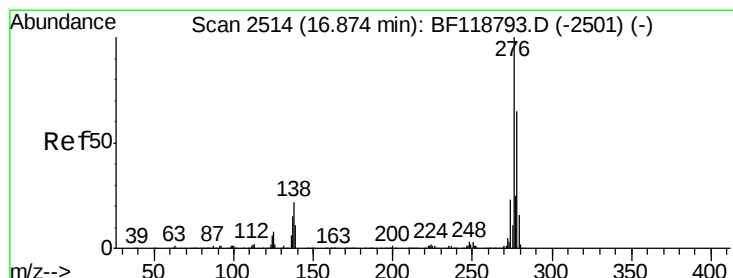
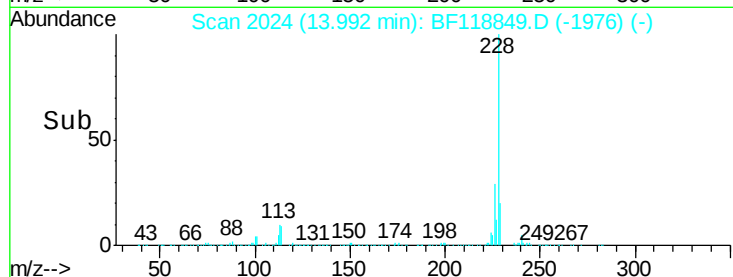
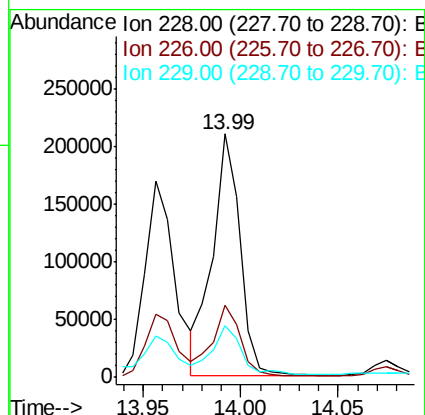
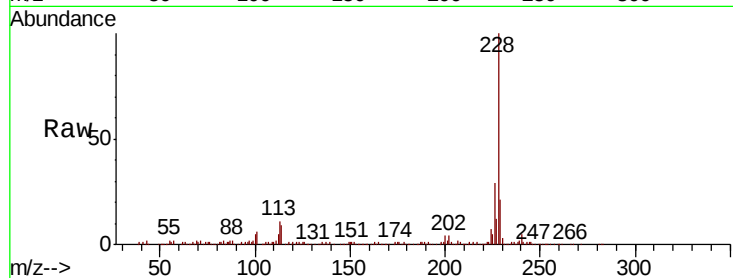




#83
Chrysene
Concen: 3.826 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

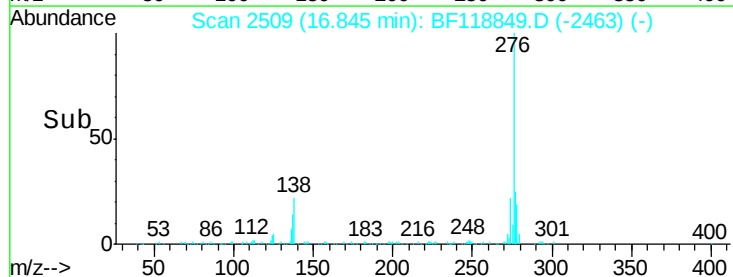
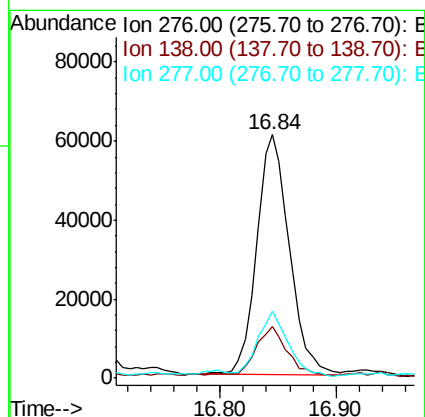
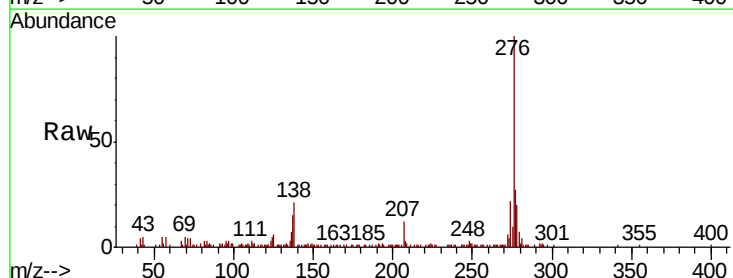
Instrument :
BNA_F
ClientSampleId :

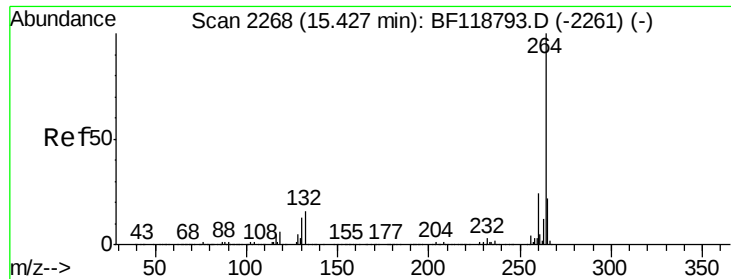
Tot Ion:228 Resp: 206330
Ion Ratio Lower Upper
228 100
226 29.4 25.4 38.0
229 21.3 16.9 25.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.207 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.03 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Tgt Ion:276 Resp: 119607
Ion Ratio Lower Upper
276 100
138 19.6 18.3 27.5
277 25.0 20.2 30.4



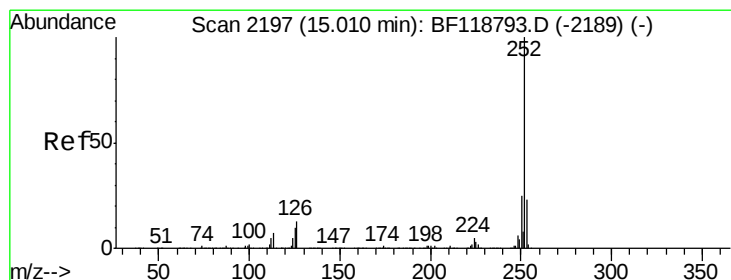
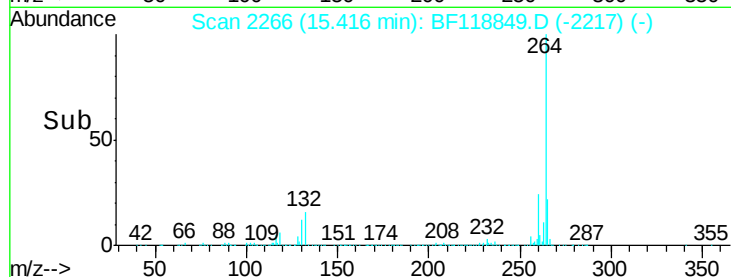
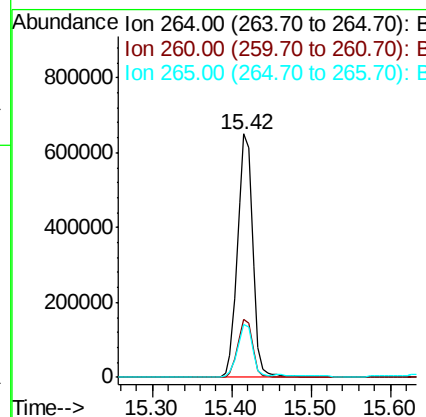
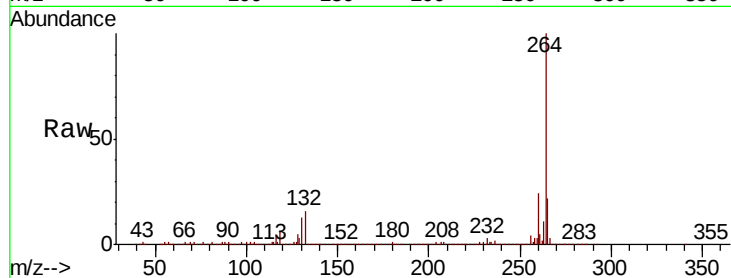


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 872910

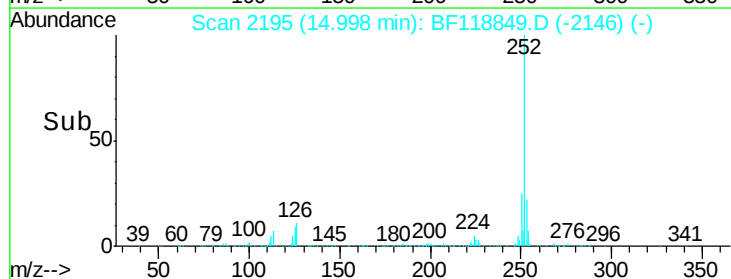
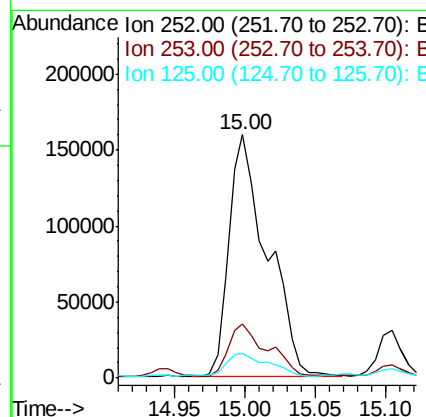
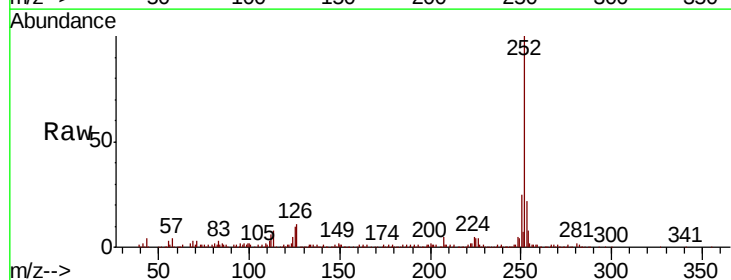
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.0	17.2	25.8

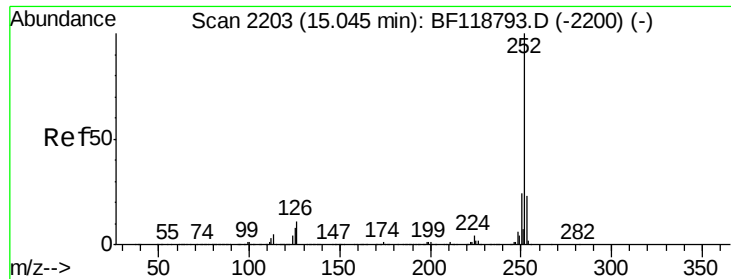


#88
Benzo(b)fluoranthene
Concen: 5.584 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Tgt Ion:252 Resp: 302478

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	10.3	8.1	12.1

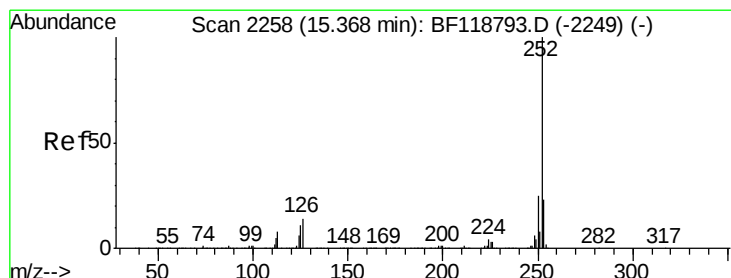
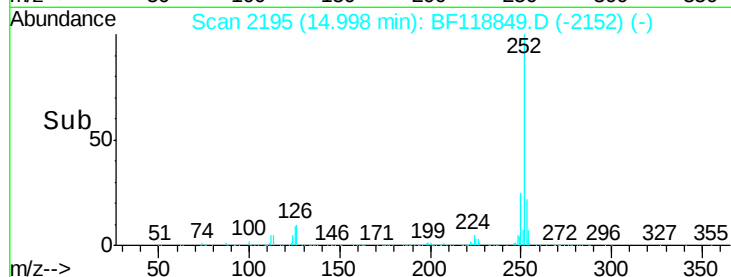
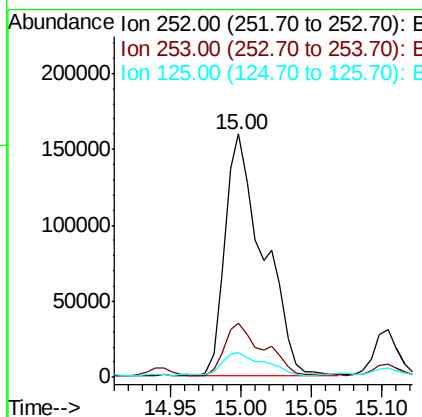
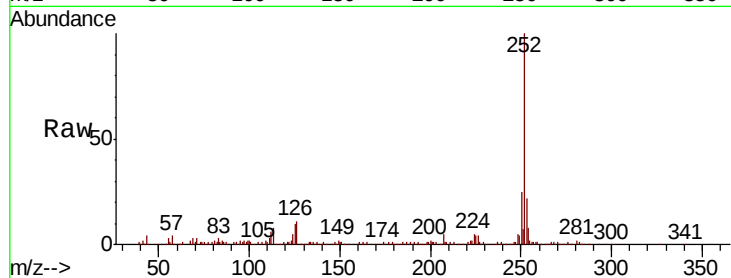




#89
Benzo(k)fluoranthene
Concen: 6.413 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

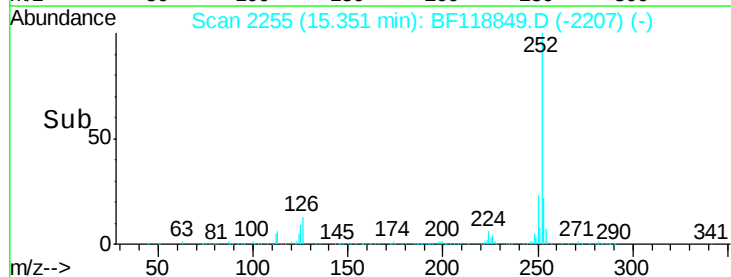
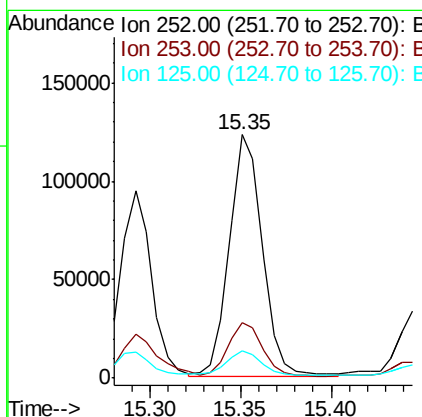
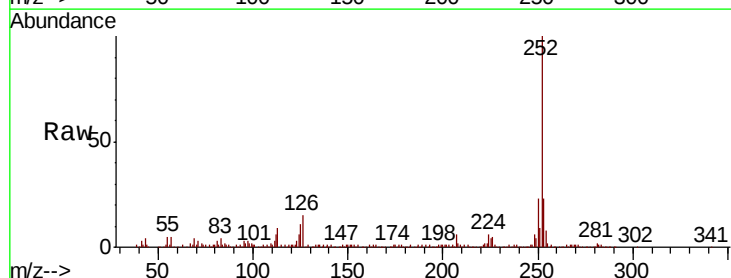
Instrument :
BNA_F
ClientSampleId :

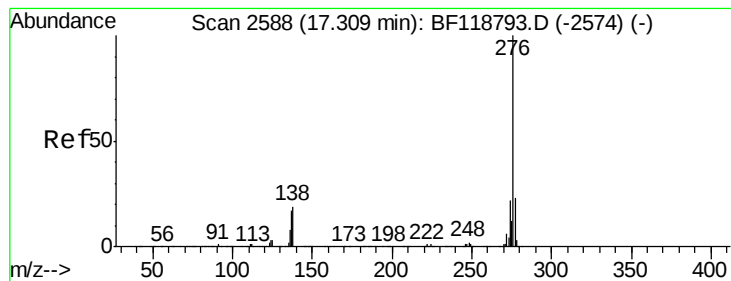
Tot Ion:252 Resp: 302478
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 10.3 7.0 10.6



#90
Benzo(a)pyrene
Concen: 3.372 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118849.D
Acq: 7 Feb 2020 14:36

Tgt Ion:252 Resp: 156328
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 11.3 8.7 13.1





#92

Benzo(a,h,i)perylene

Concen: 3.028 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BF118849.D

Acq: 7 Feb 2020 14:36

Instrument :

BNA_F

ClientSampleId :

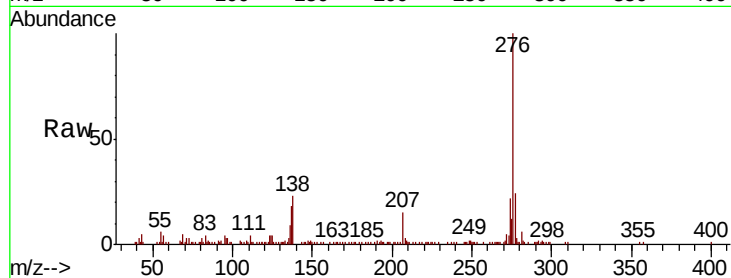
Tot Ion: 276 Resp: 119843

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 23.0 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

