

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120088.D
 Acq On : 20 Apr 2020 20:02
 Operator : MA/SJ
 Sample : L2314-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 01:09:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	168532	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	641689	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	313488	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	558685	20.00	ng	-0.01
76) Chrysene-d12	13.88	240	370764	20.00	ng	-0.02
87) Perylene-d12	15.30	264	342850	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	745747	76.47	ng	0.00
7) Phenol-d6	6.35	99	972486	77.39	ng	-0.01
23) Nitrobenzene-d5	7.28	82	636006	51.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	237389	61.85	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	1236193	55.99	ng	0.00
79) Terphenyl-d14	12.83	244	1166693	52.95	ng	-0.01

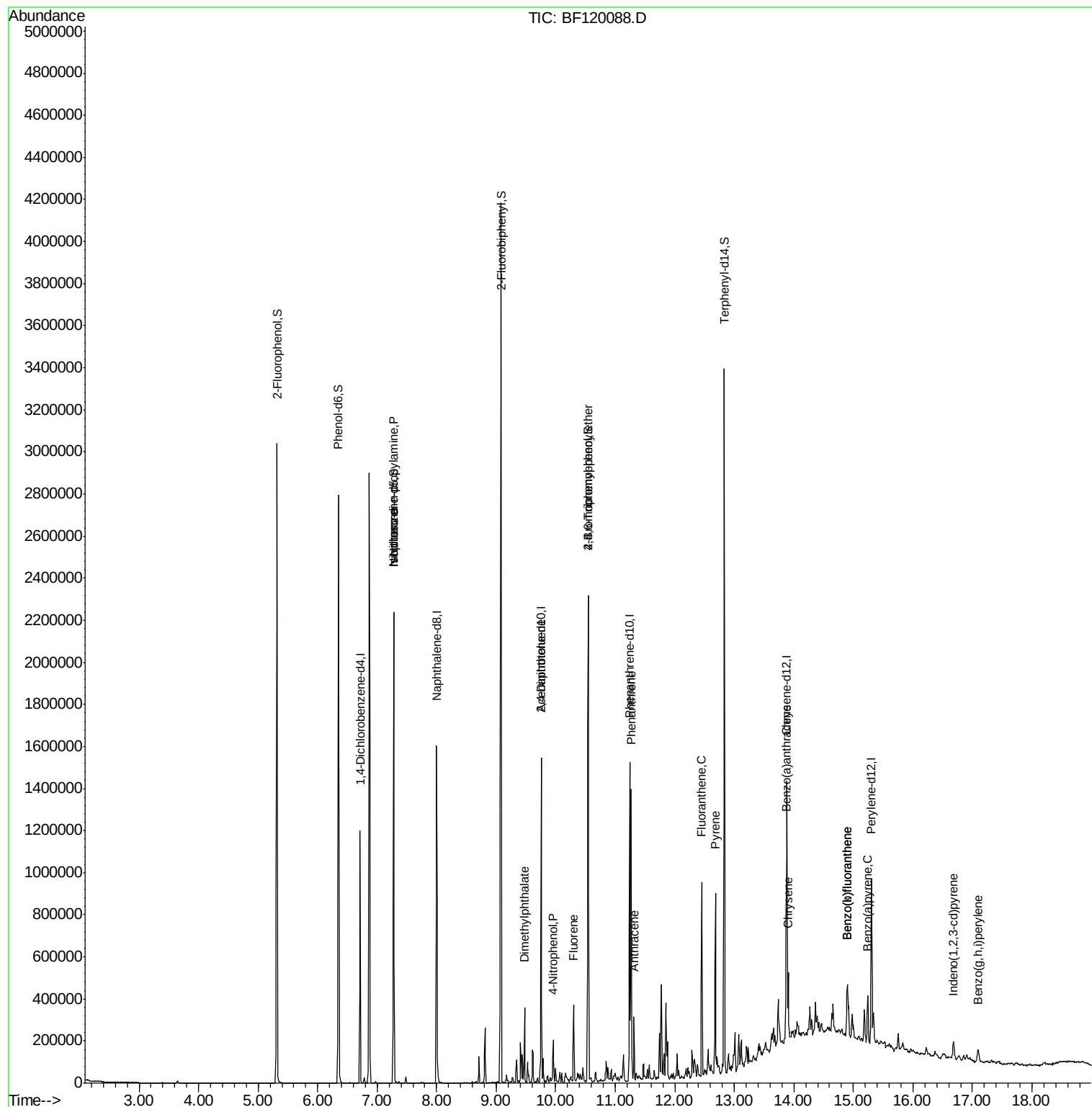
Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	1512	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	83282	10.307	ng	# 75
25) Isophorone	7.28	82	629298	26.319	ng	# 65
50) Dimethylphthalate	9.47	163	135686	5.596	ng	98
56) 4-Nitrophenol	9.96	139	17908	3.969	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	42873	6.128	ng	# 22
58) Fluorene	10.30	166	97434	4.293	ng	98
67) 4-Bromophenyl-phenylether	10.55	248	15489	2.229	ng	# 1
71) Phenanthrene	11.26	178	461752	15.530	ng	99
72) Anthracene	11.32	178	108533	3.573	ng	98
75) Fluoranthene	12.45	202	349569	10.896	ng	98
78) Pyrene	12.68	202	328693	10.516	ng	99
81) Benzo(a)anthracene	13.87	228	143401	5.879	ng	94
83) Chrysene	13.90	228	128102	5.169	ng	99
86) Indeno(1,2,3-cd)pyrene	16.68	276	58099	2.659	ng	97
88) Benzo(b)fluoranthene	14.90	252	191314	7.757	ng	# 98
89) Benzo(k)fluoranthene	14.90	252	191314	8.990	ng	# 98
90) Benzo(a)pyrene	15.24	252	108895	5.251	ng	98
92) Benzo(a,h,i)perylene	17.09	276	48368	2.668	ng	97

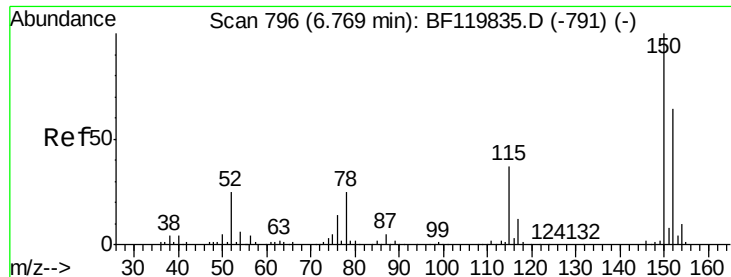
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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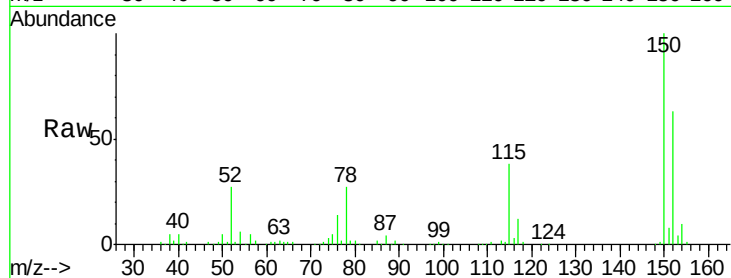


#1

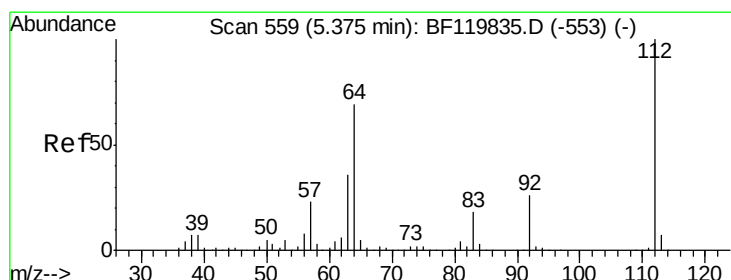
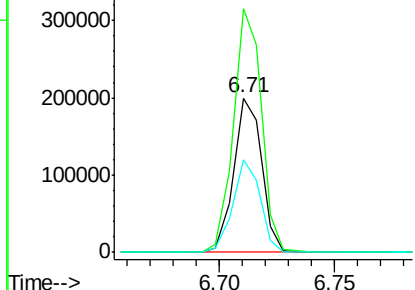
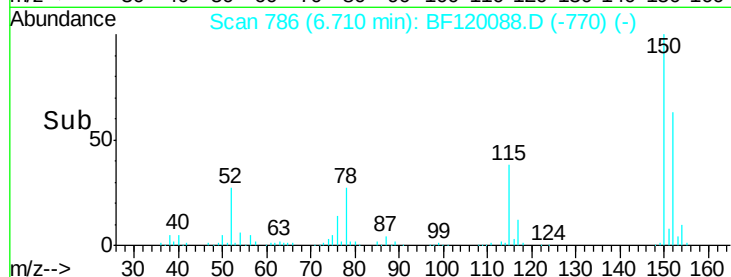
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168532
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 60.4 46.5 69.7



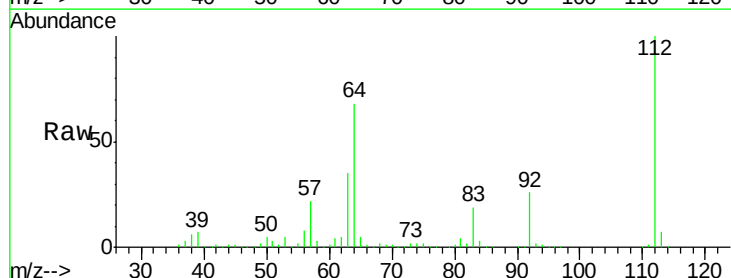
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



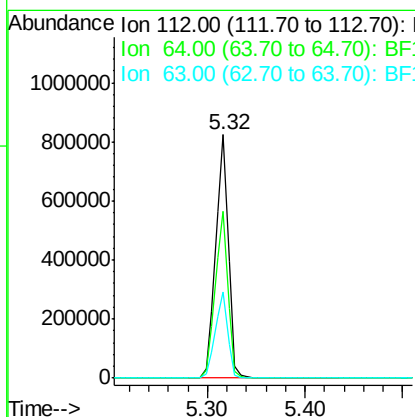
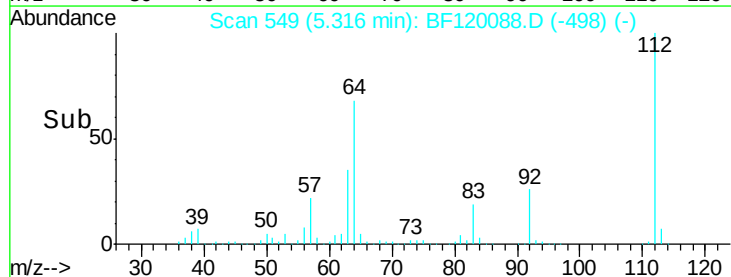
#5

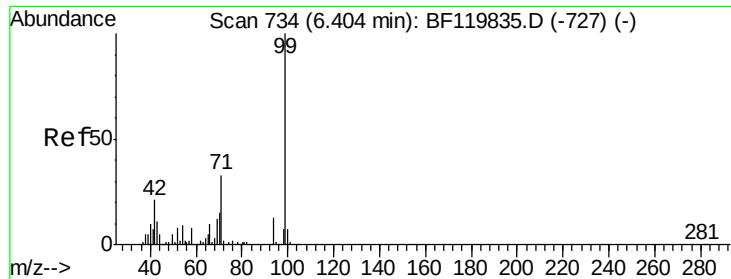
2-Fluorophenol
Concen: 76.471 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion:112 Resp: 745747
Ion Ratio Lower Upper
112 100
64 68.3 55.5 83.3
63 35.4 29.1 43.7



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: 77.391 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

Instrument :

BNA_F

ClientSampleId :

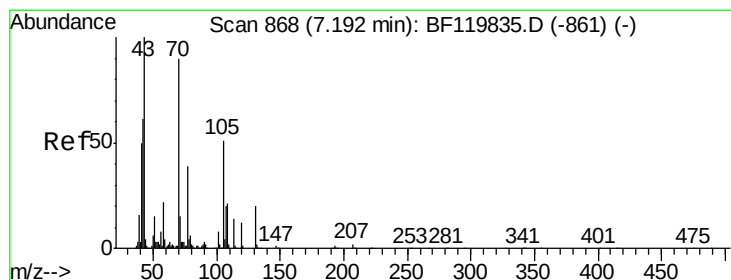
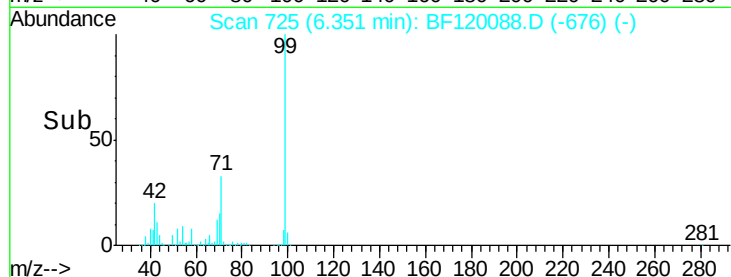
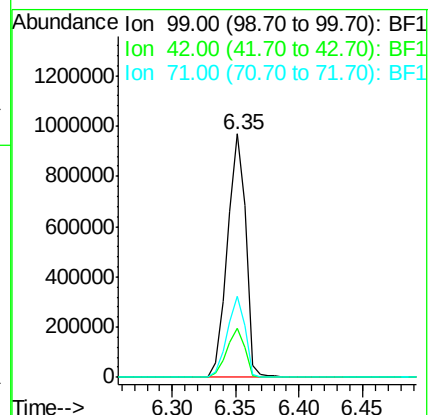
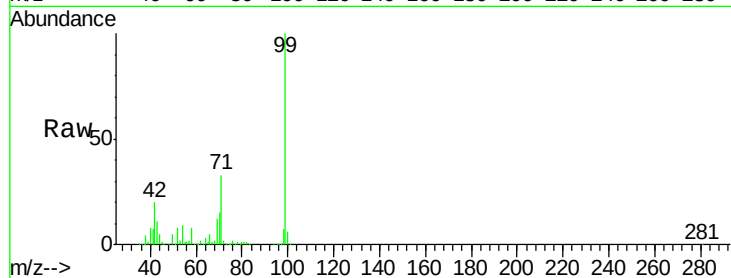
Tot Ion: 99 Resp: 972486

Ion Ratio Lower Upper

99 100

42 20.2 16.9 25.3

71 33.2 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.307 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

Tgt Ion: 70 Resp: 83282

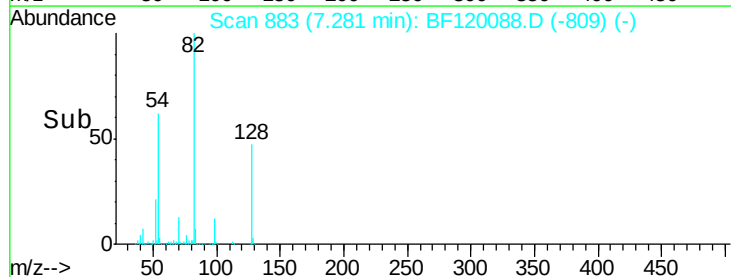
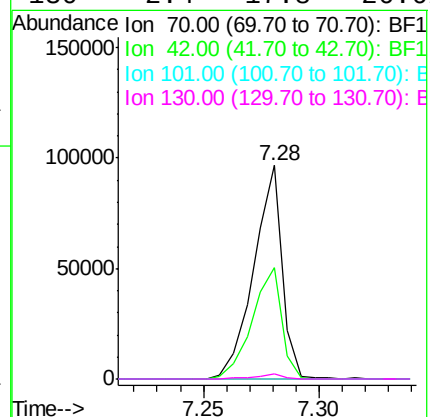
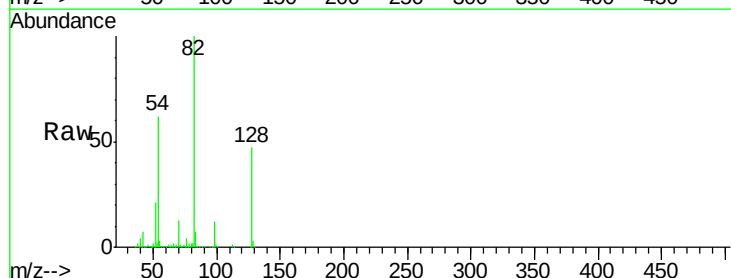
Ion Ratio Lower Upper

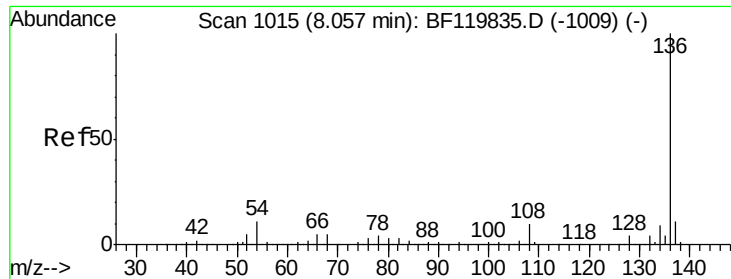
70 100

42 52.3 54.2 81.4#

101 0.0 7.4 11.2#

130 2.4 17.8 26.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 641689

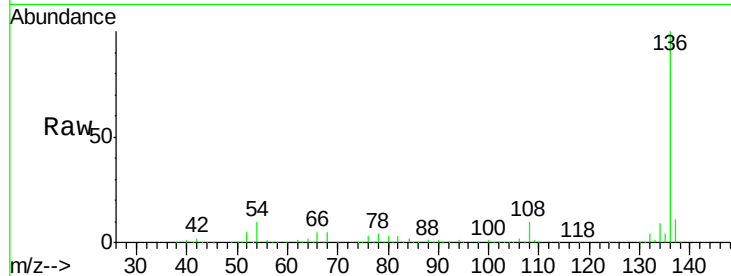
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.9 8.5 12.7

68 5.4 3.9 5.9

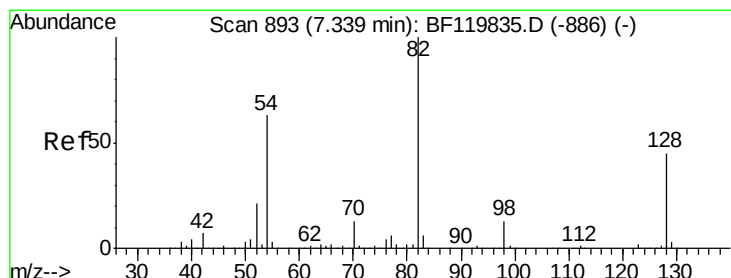
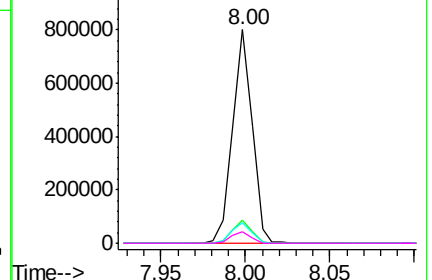
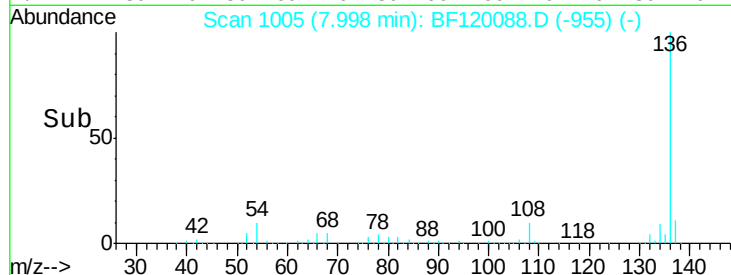


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.275 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

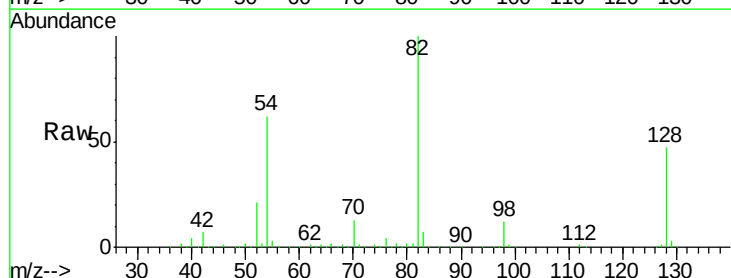
Tgt Ion: 82 Resp: 636006

Ion Ratio Lower Upper

82 100

128 46.6 36.2 54.4

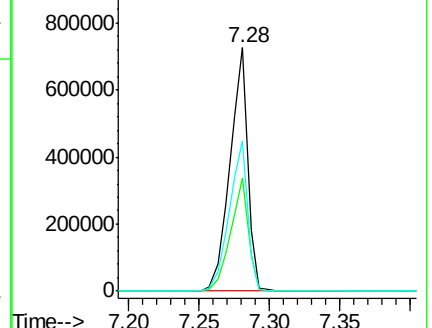
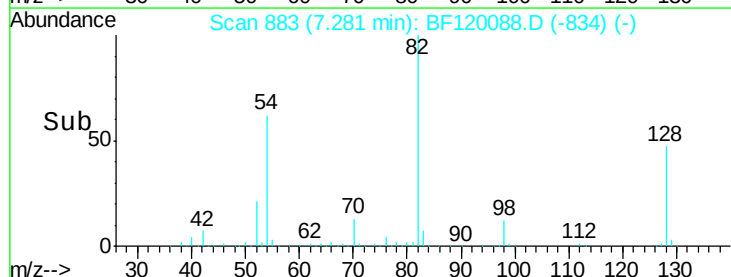
54 61.5 50.4 75.6

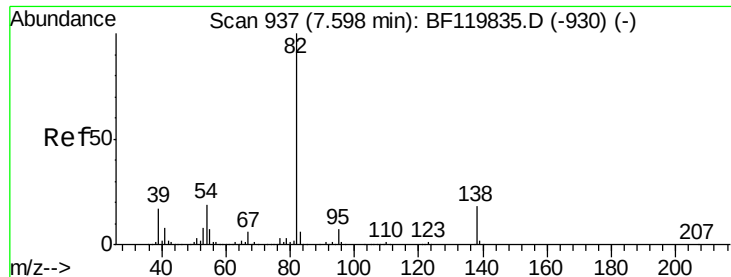


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.319 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

Instrument :

BNA_F

ClientSampled :

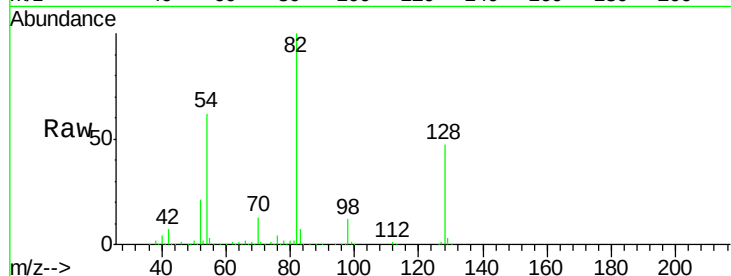
Tot Ion: 82 Resp: 629298

Ion Ratio Lower Upper

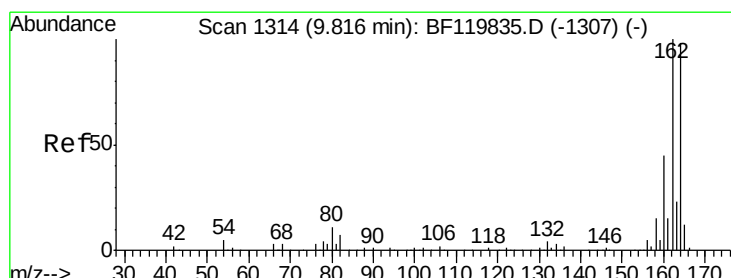
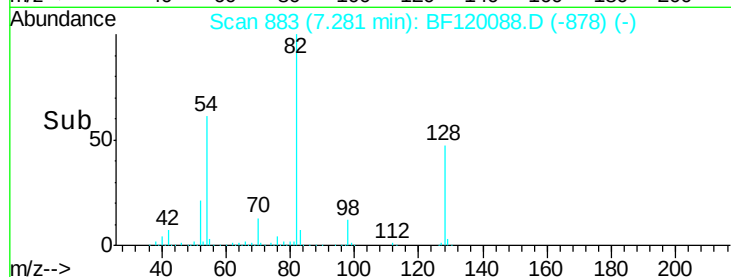
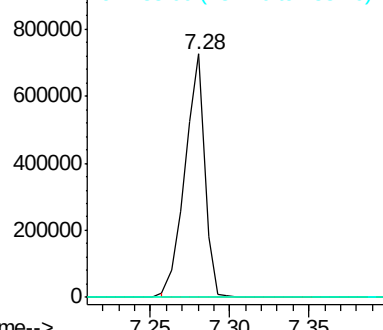
82 100

95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

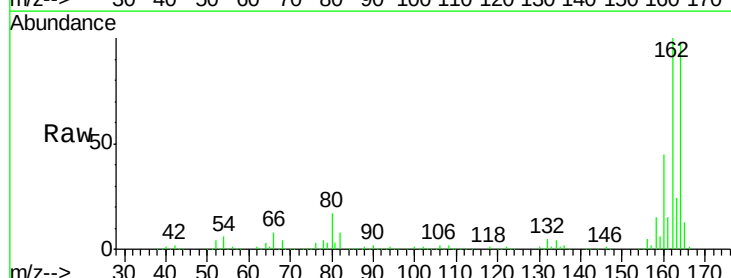
Tgt Ion: 164 Resp: 313488

Ion Ratio Lower Upper

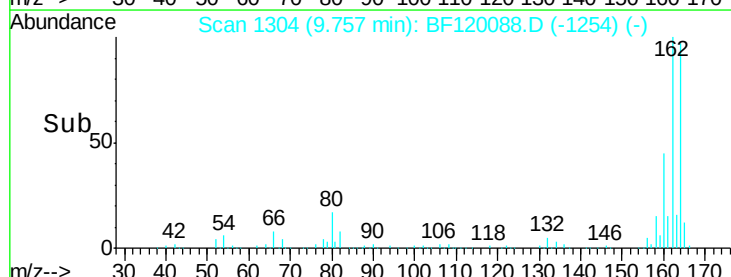
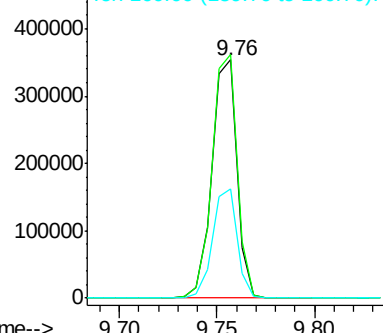
164 100

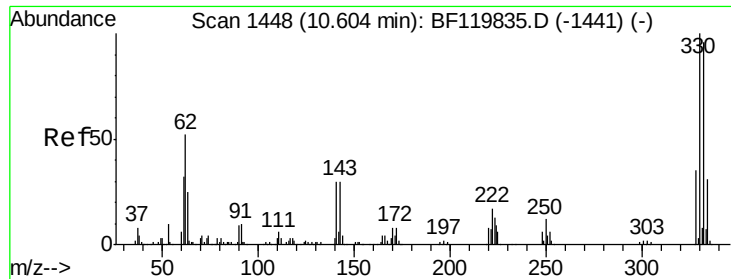
162 102.3 81.9 122.9

160 46.0 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

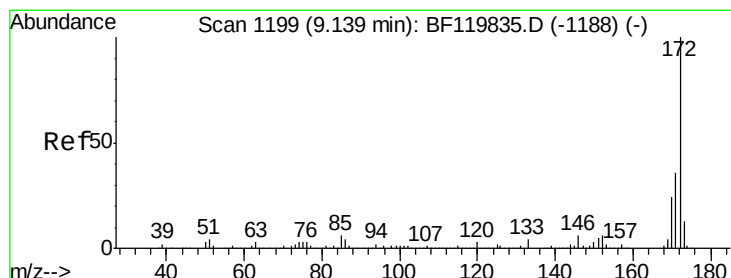
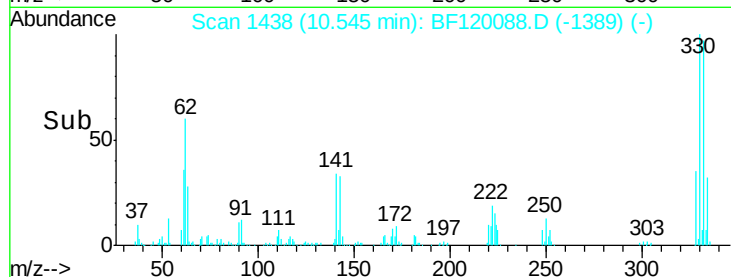
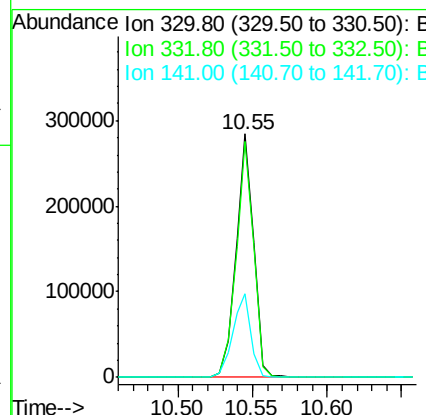
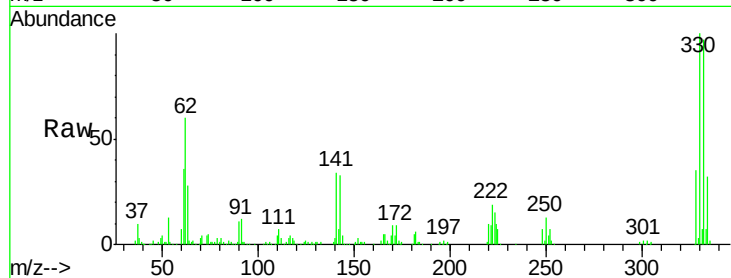




#42
 2,4,6-Tribromophenol
 Concen: 61.850 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF120088.D
 Acq: 20 Apr 2020 20:02

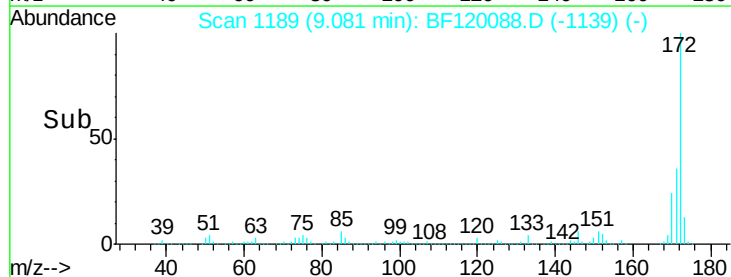
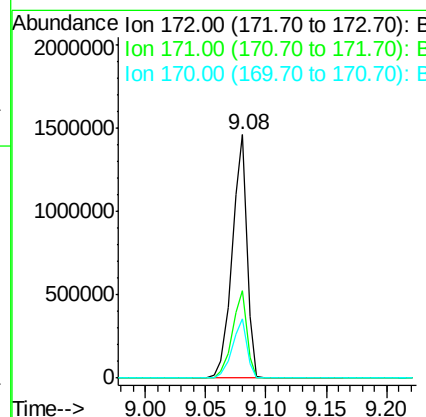
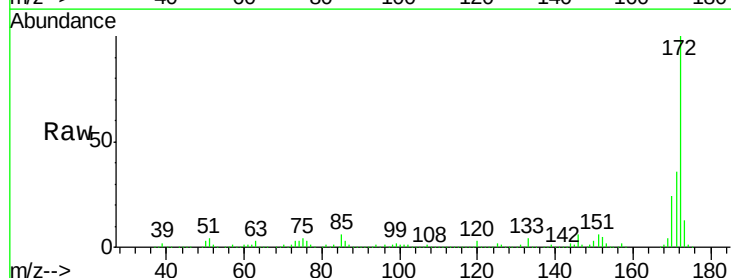
Instrument :
 BNA_F
 ClientSampleId :

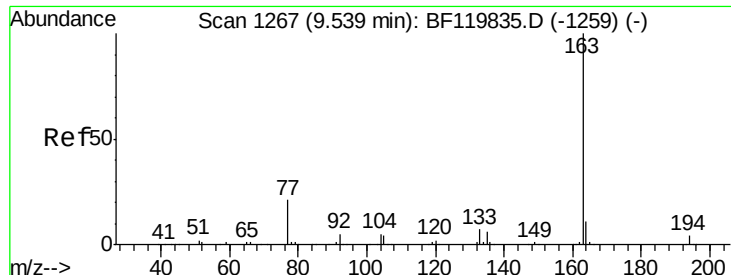
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	35.4	25.1	37.7



#45
 2-Fluorobiphenyl
 Concen: 55.987 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF120088.D
 Acq: 20 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	24.5	19.4	29.2

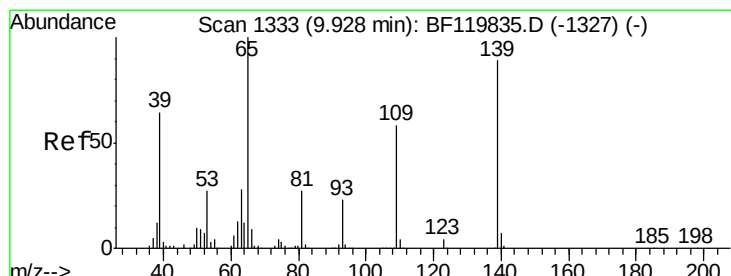
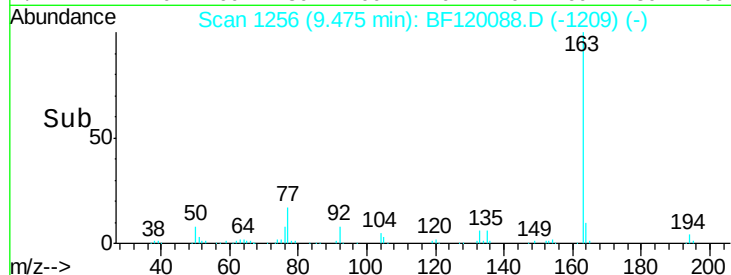
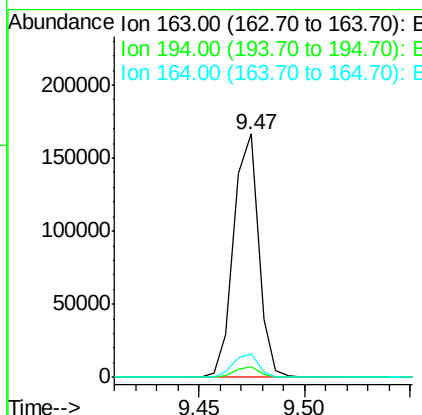
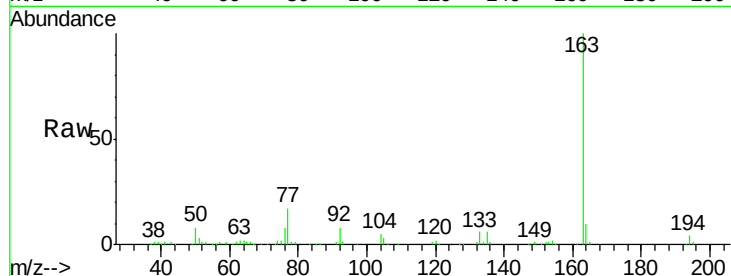




#50
Dimethylphthalate
Concen: 5.596 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

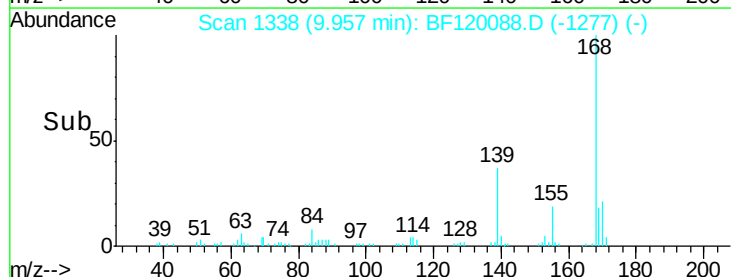
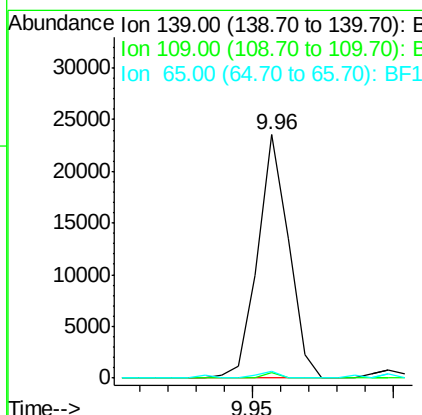
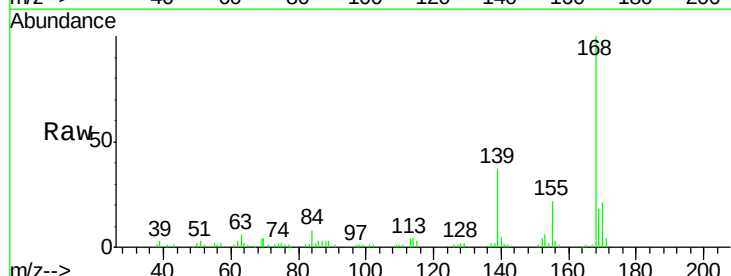
Instrument :
BNA_F
ClientSampleId :

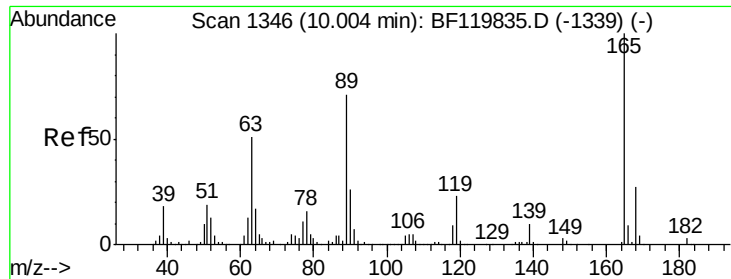
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.4
164	9.6	8.4	12.6



#56
4-Nitrophenol
Concen: 3.969 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.1	45.5	85.5#
65	2.9	92.3	132.3#

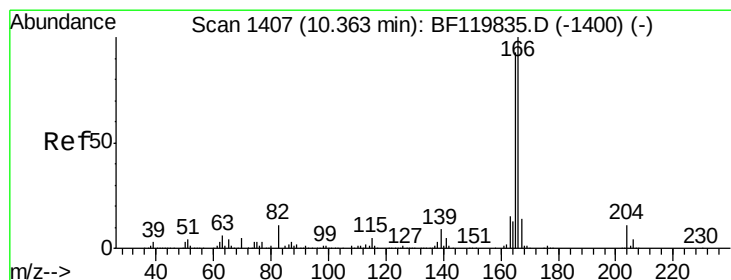
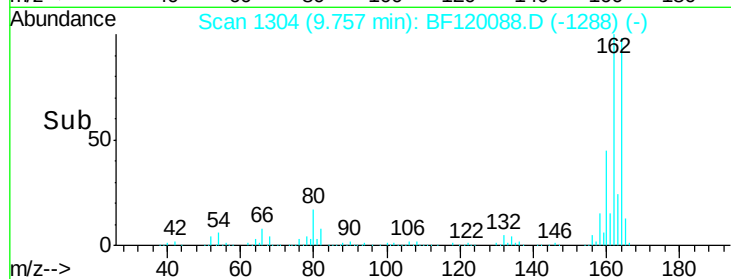
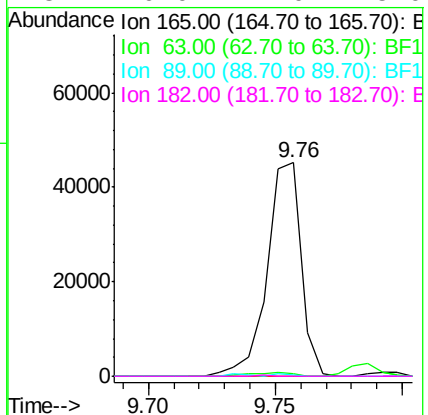
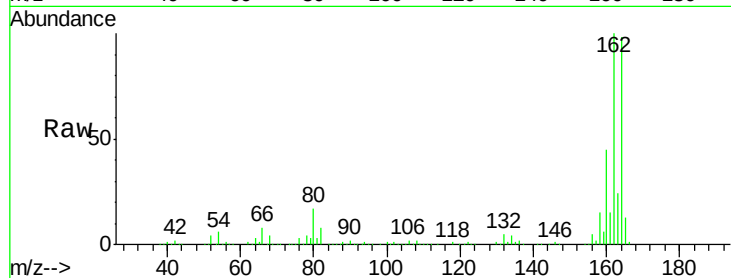




#57
 2,4-Dinitrotoluene
 Concen: 6.128 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF120088.D
 Acq: 20 Apr 2020 20:02

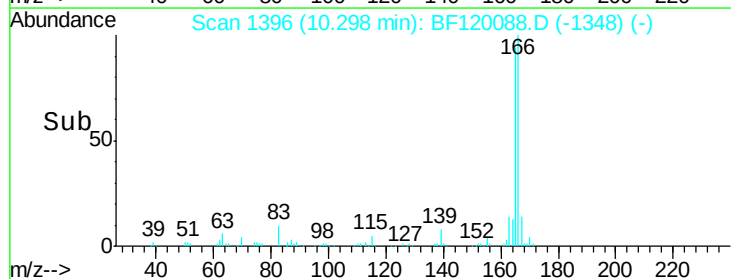
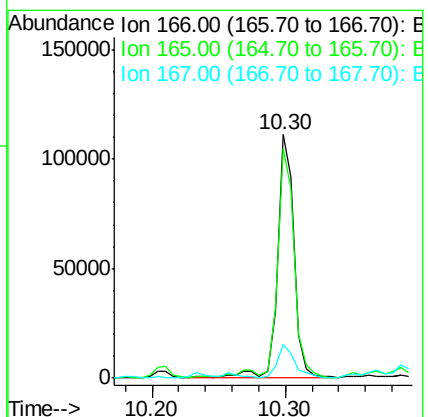
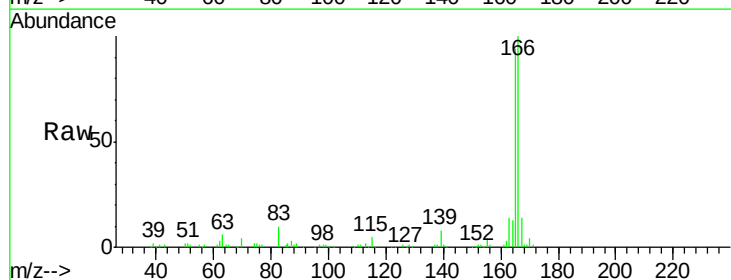
Instrument :
 BNA_F
 ClientSampleId :

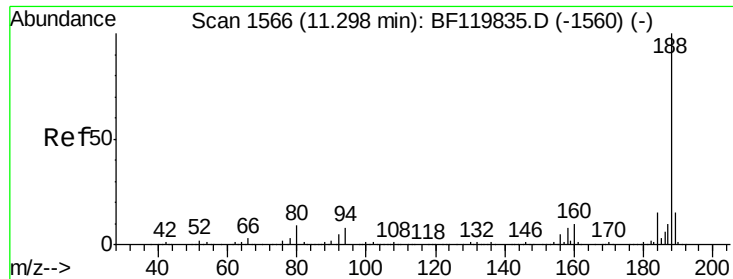
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.8	61.2#
89	0.8	56.9	85.3#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 4.293 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.02 min
 Lab File: BF120088.D
 Acq: 20 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.3	74.2	111.2
167	13.9	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

Instrument :

BNA_F

ClientSampleId :

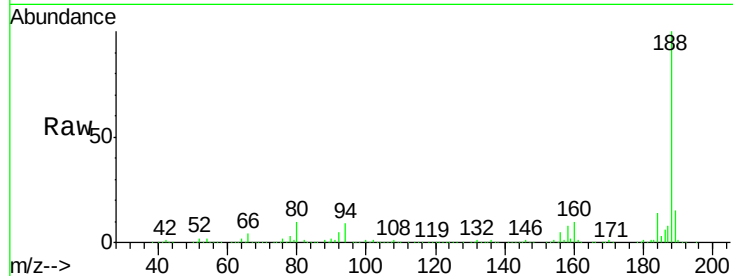
Tot Ion:188 Resp: 558685

Ion Ratio Lower Upper

188 100

94 8.9 6.7 10.1

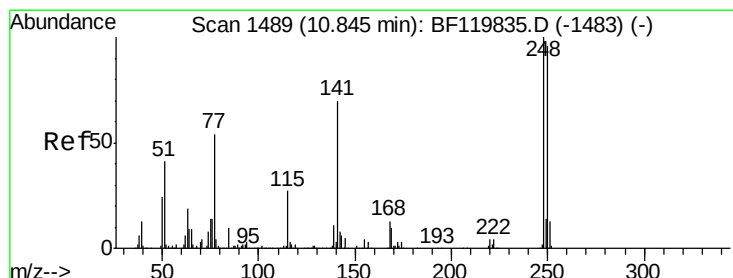
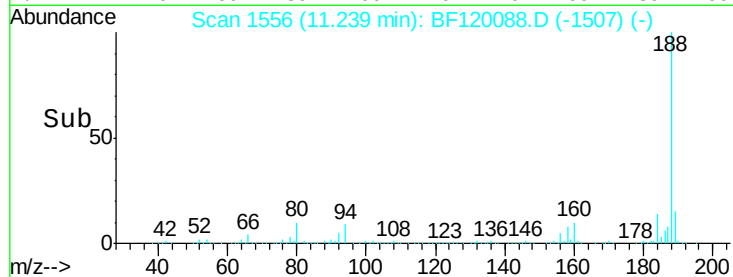
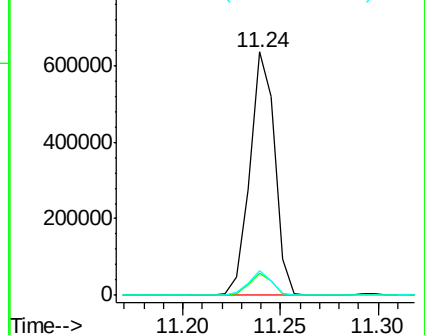
80 10.1 7.4 11.2



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: 2.229 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.25 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

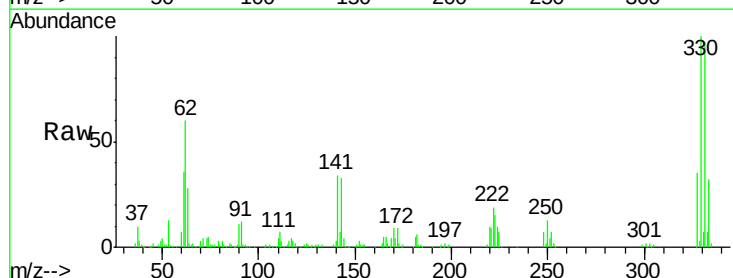
Tgt Ion:248 Resp: 15489

Ion Ratio Lower Upper

248 100

250 185.9 76.6 114.8#

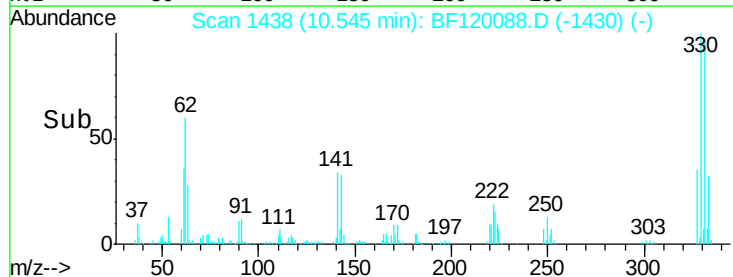
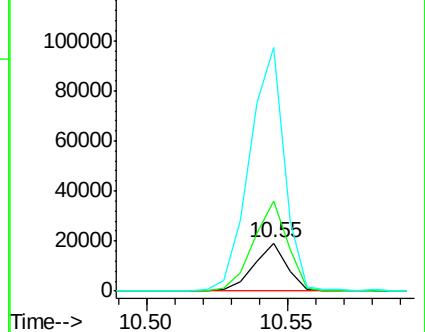
141 504.6 55.9 83.9#

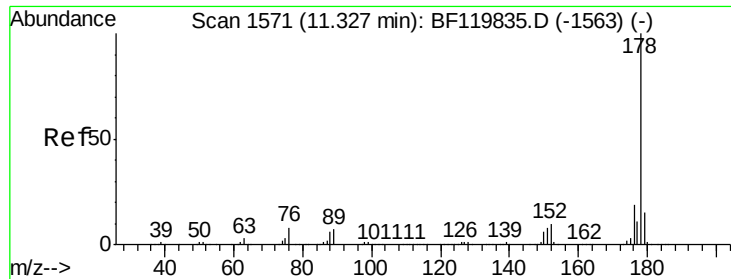


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

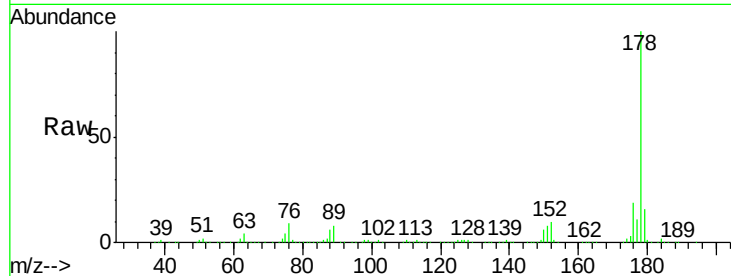




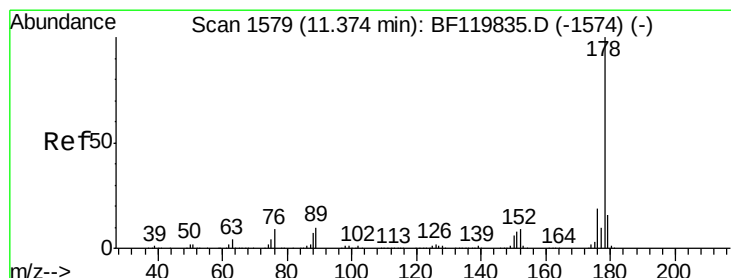
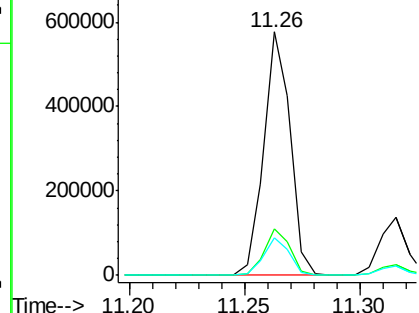
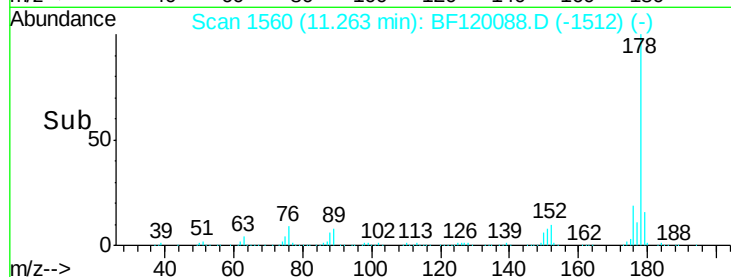
#71
Phenanthrene
Concen: 15.530 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 461752
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.6 12.2 18.4

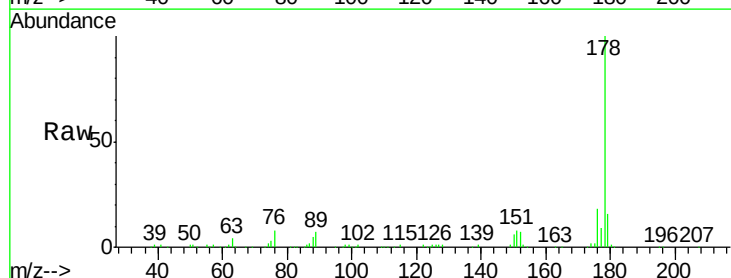


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

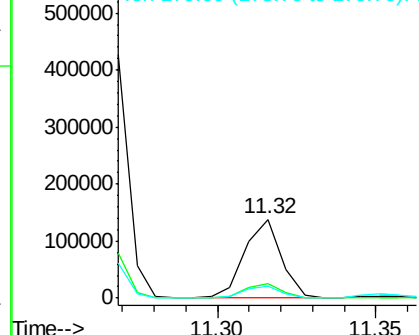
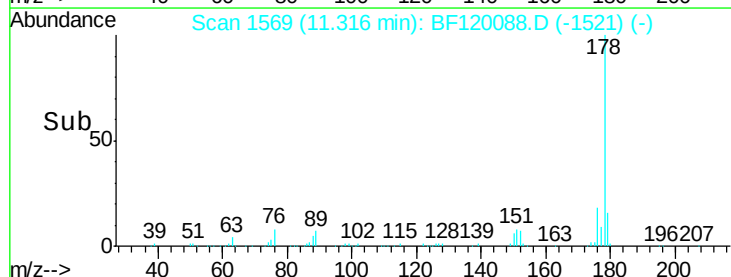


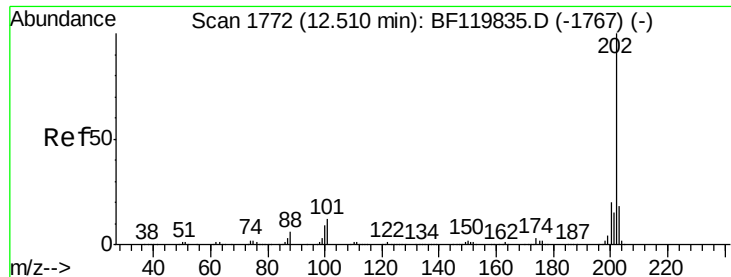
#72
Anthracene
Concen: 3.573 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion:178 Resp: 108533
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 15.7 12.8 19.2



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: 10.896 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

Instrument :

BNA_F

ClientSampleId :

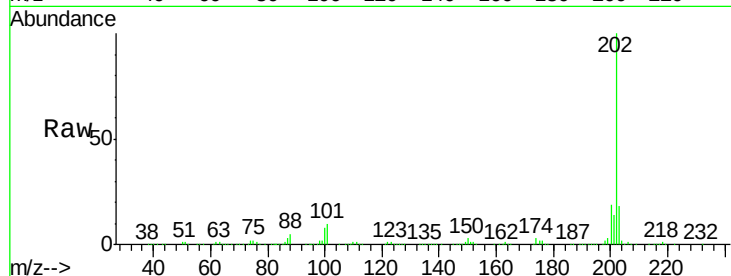
Tot Ion:202 Resp: 349569

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.3

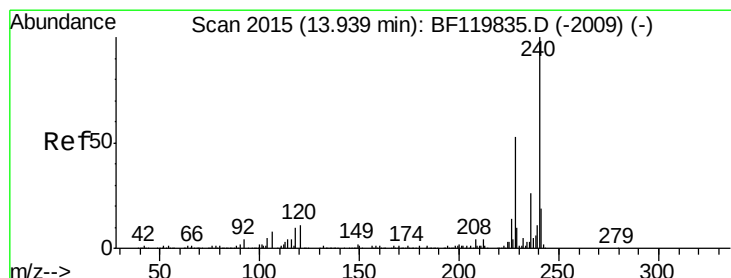
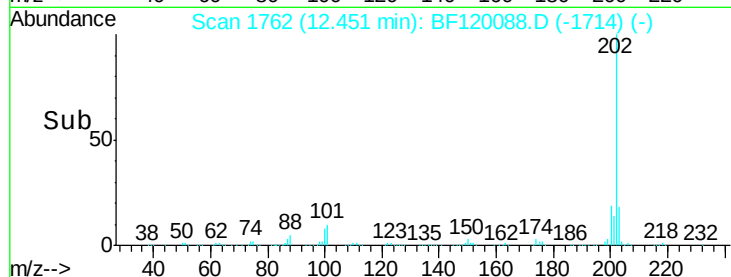
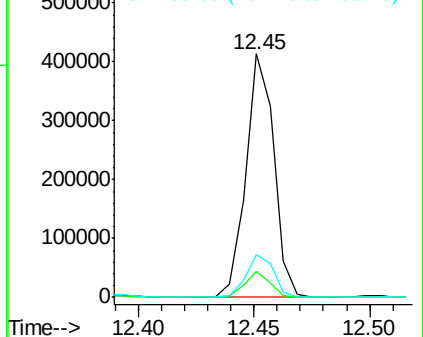
203 17.7 0.0 37.6



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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF120088.D

Acq: 20 Apr 2020 20:02

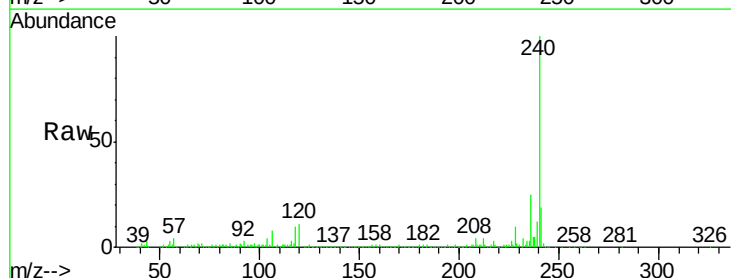
Tgt Ion:240 Resp: 370764

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.6

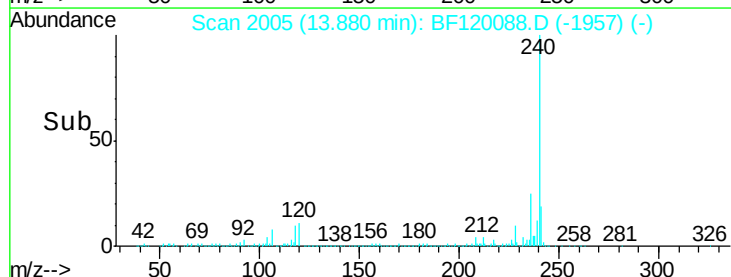
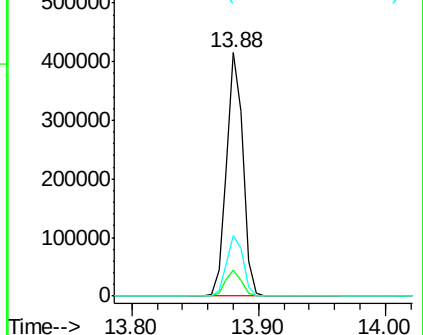
236 25.1 20.7 31.1

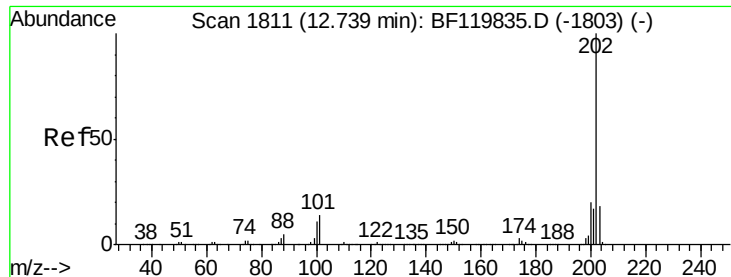


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

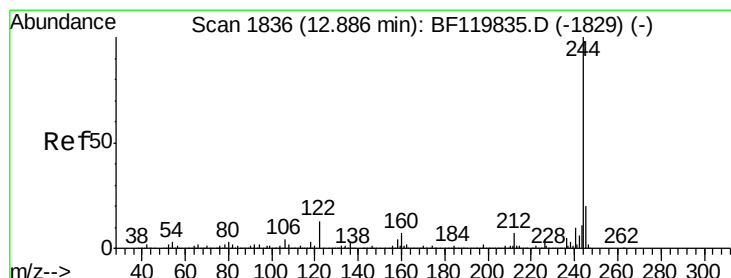
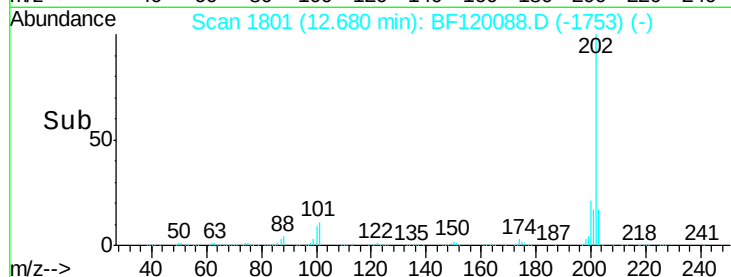
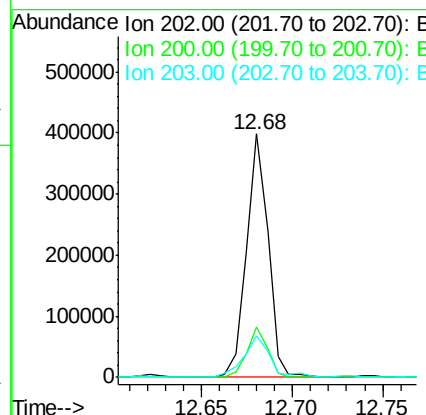
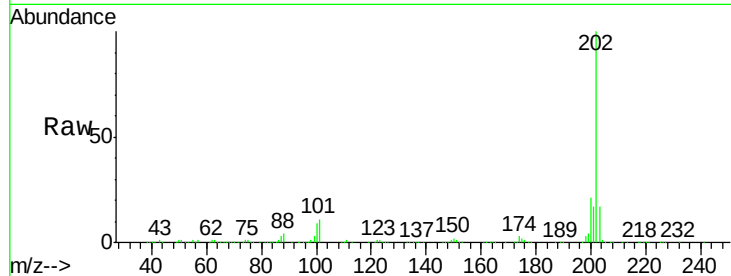




#78
Pvrene
Concen: 10.516 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

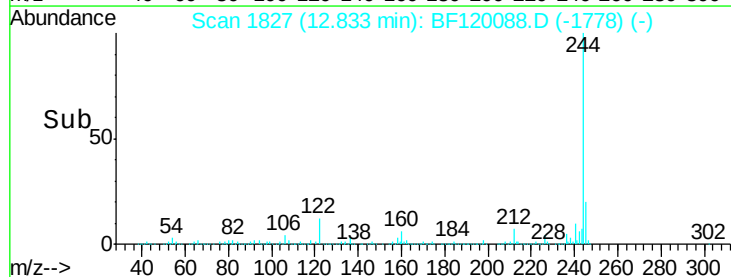
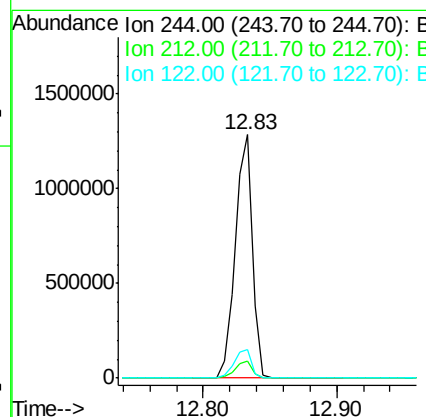
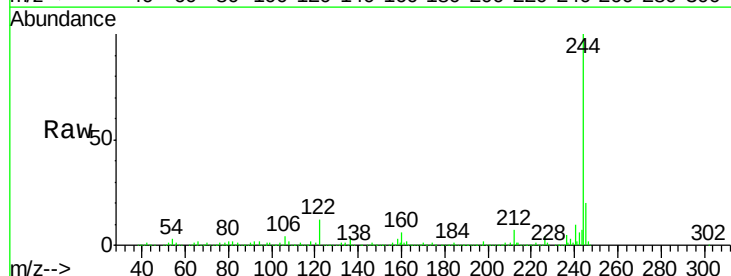
Instrument :
BNA_F
ClientSampled :

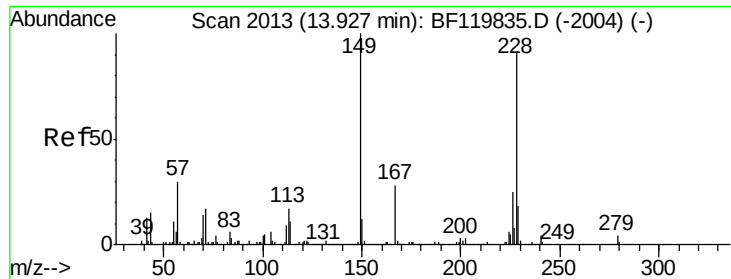
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	17.2	14.1	21.1



#79
Terphenyl-d14
Concen: 52.949 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.6	10.3	15.5

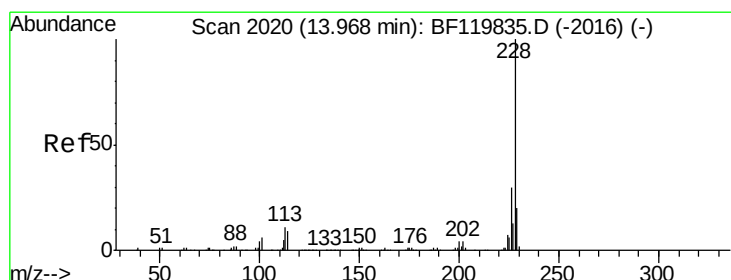
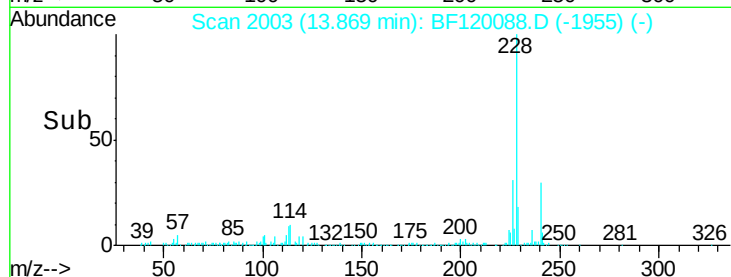
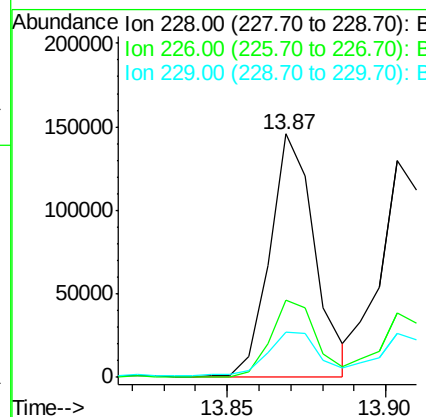
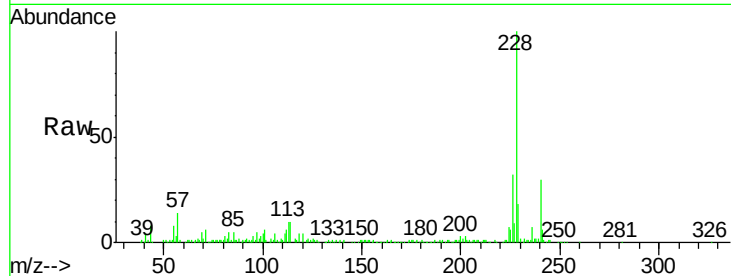




#81
Benzo(a)anthracene
Concen: 5.879 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

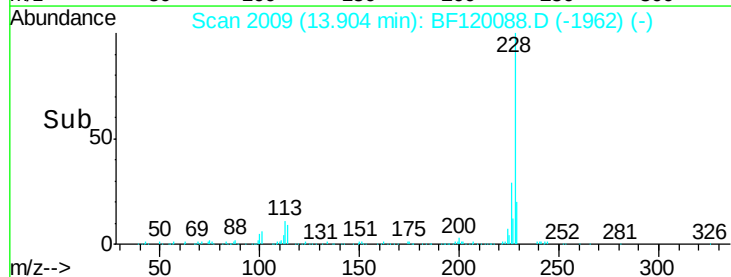
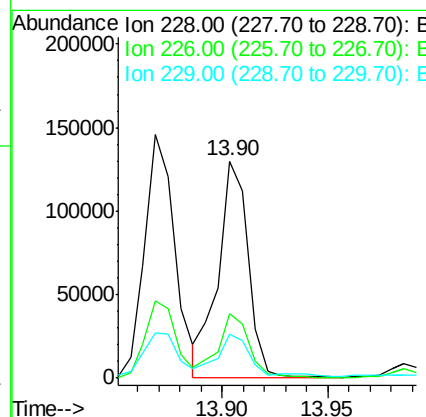
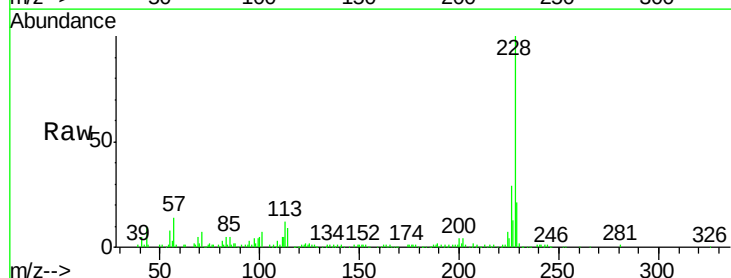
Instrument :
BNA_F
ClientSampleId :

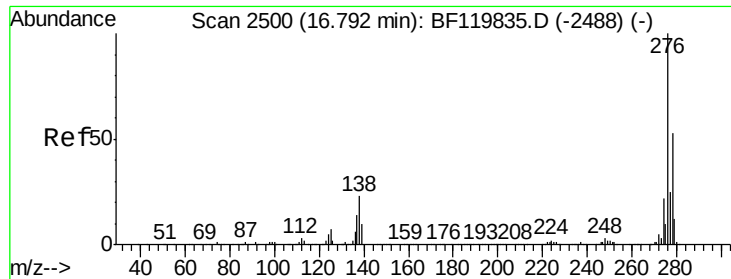
Tot Ion:228 Resp: 143401
Ion Ratio Lower Upper
228 100
226 31.6 21.9 32.9
229 18.5 15.9 23.9



#83
Chrysene
Concen: 5.169 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion:228 Resp: 128102
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.2
229 20.5 15.9 23.9

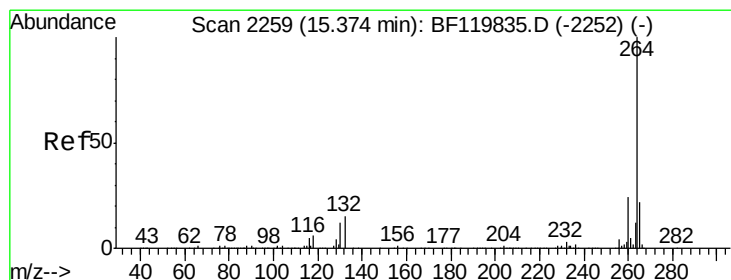
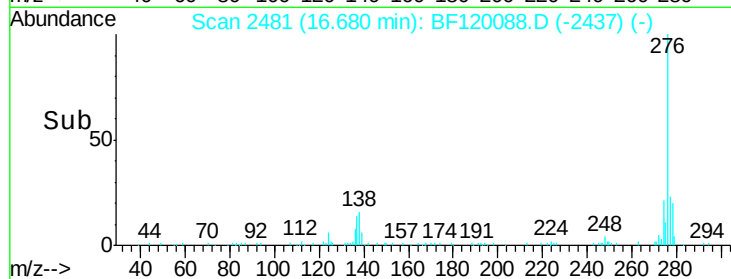
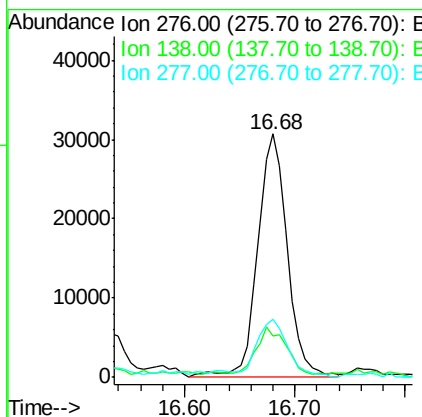
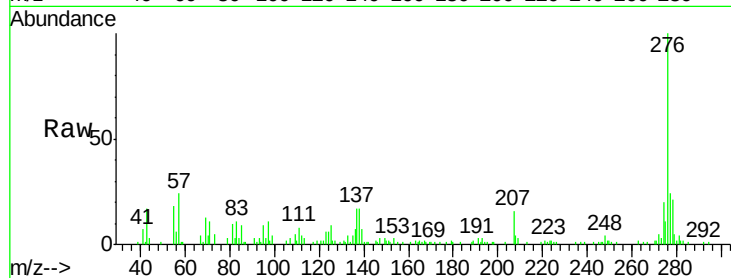




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.659 ng
 RT: 16.68 min Scan# 2481
 Delta R.T. -0.04 min
 Lab File: BF120088.D
 Acq: 20 Apr 2020 20:02

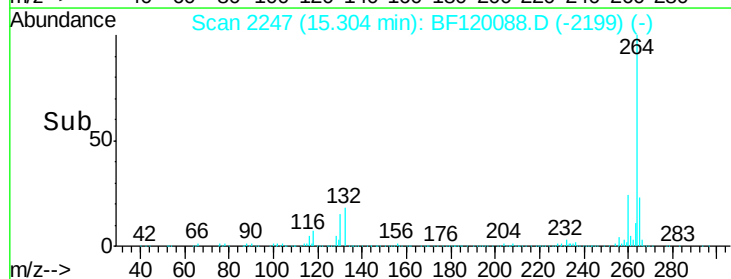
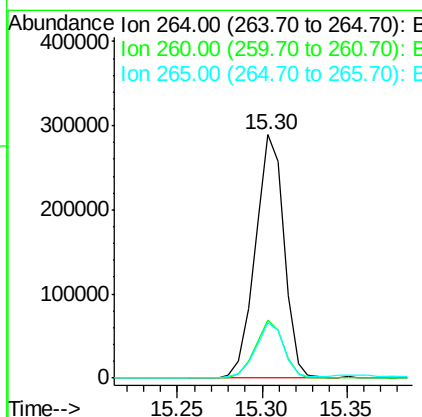
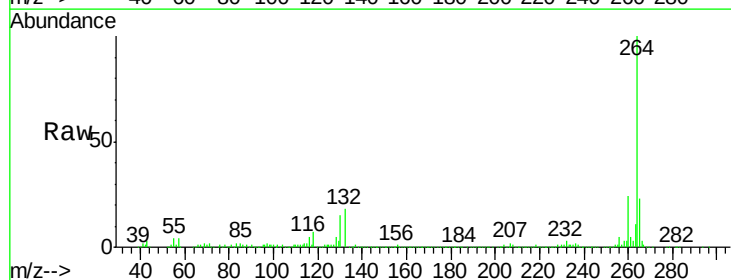
Instrument :
 BNA_F
 ClientSampleId :

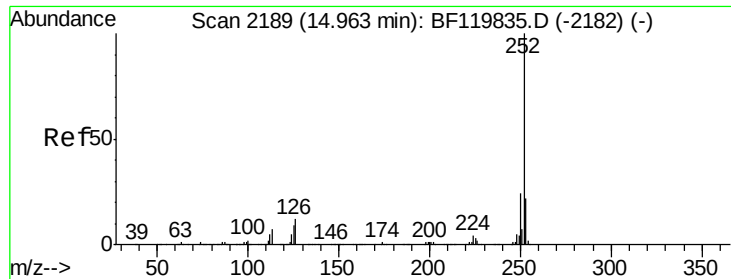
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.0	27.0
277	24.7	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.02 min
 Lab File: BF120088.D
 Acq: 20 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.8	17.6	26.4

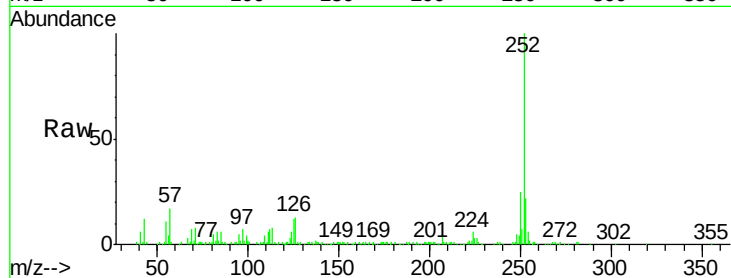




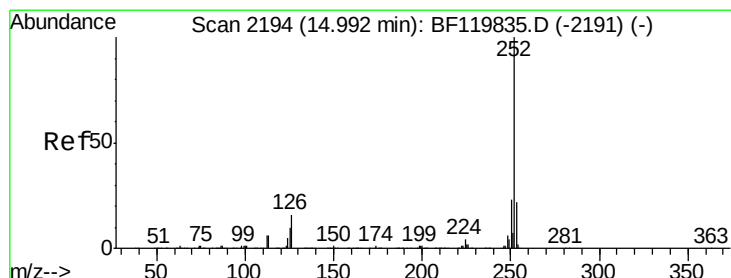
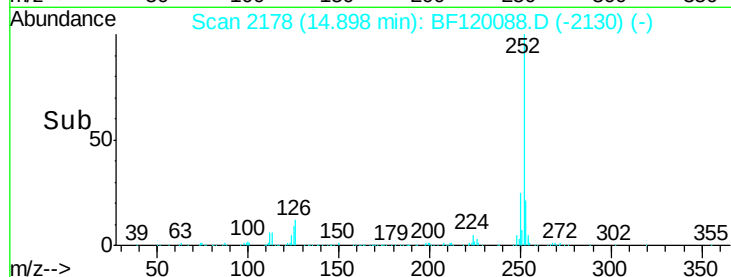
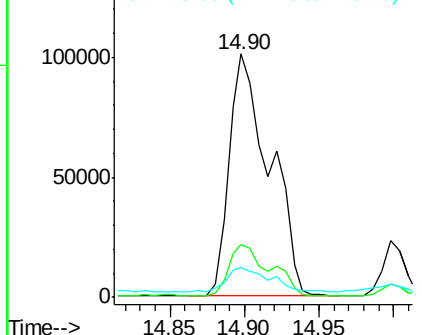
#88
Benzo(b)fluoranthene
Concen: 7.757 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 191314
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.0 7.4 11.2#

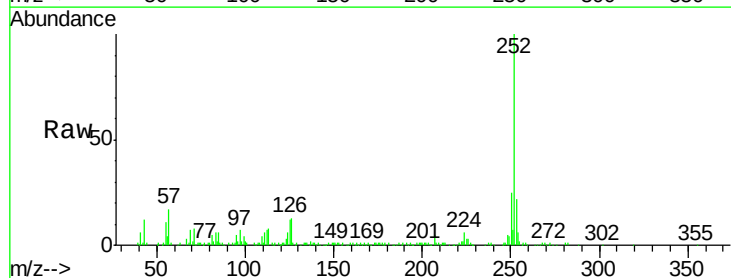


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

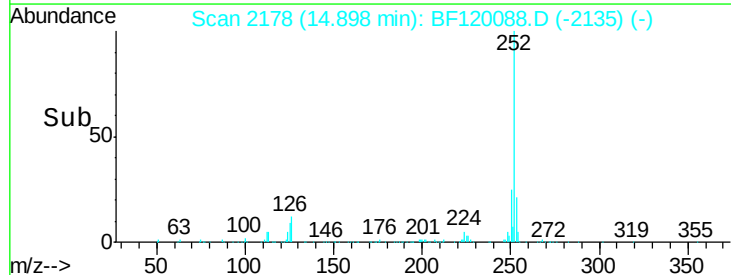
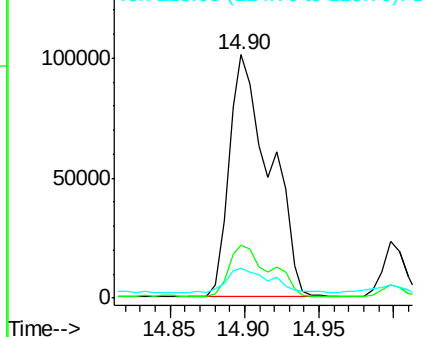


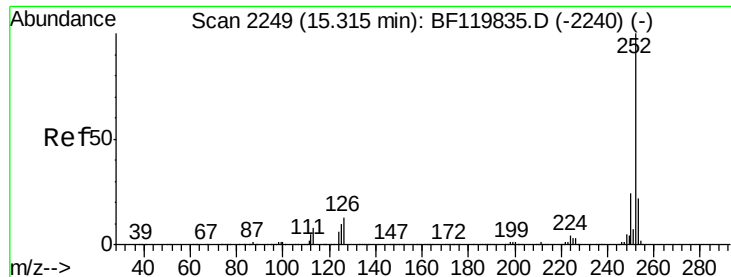
#89
Benzo(k)fluoranthene
Concen: 8.990 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.05 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion:252 Resp: 191314
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 12.0 7.7 11.5#



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

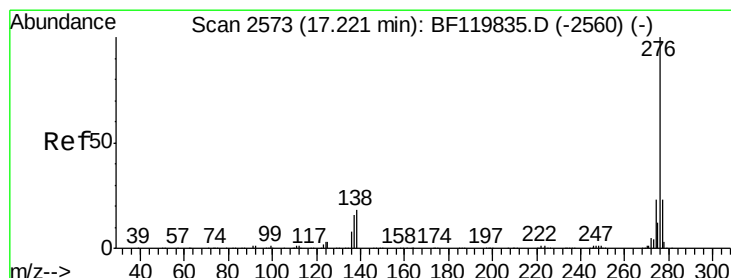
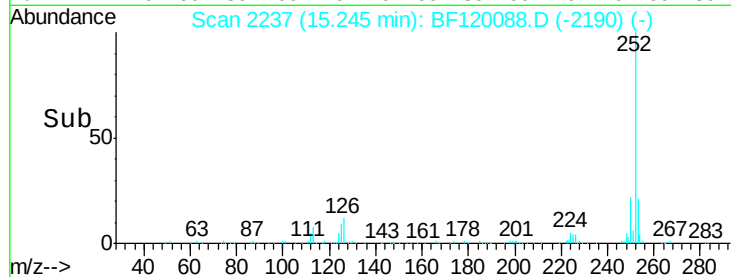
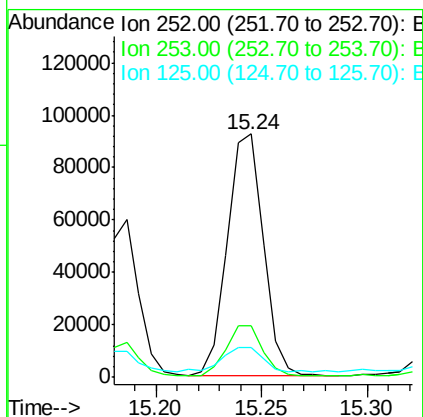
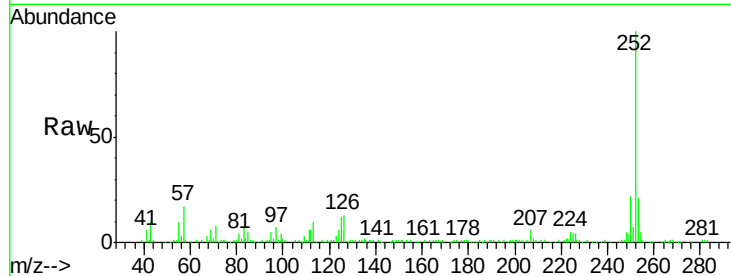




#90
Benzo(a)pyrene
Concen: 5.251 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 108895
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 12.2 8.3 12.5



#92
Benzo(g,h,i)perylene
Concen: 2.668 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.05 min
Lab File: BF120088.D
Acq: 20 Apr 2020 20:02

Tgt Ion:276 Resp: 48368
Ion Ratio Lower Upper
276 100
277 24.8 18.5 27.7
138 19.2 14.6 22.0

