

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120448.D
 Acq On : 29 May 2020 19:22
 Operator : MA/SJ
 Sample : L2773-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:38:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	280216	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1015564	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	486236	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	776413	20.00	ng	0.00
76) Chrysene-d12	13.99	240	551739	20.00	ng	0.00
86) Perylene-d12	15.44	264	603411	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1405380	95.58	ng	0.00
7) Phenol-d6	6.46	99	1809126	99.82	ng	0.00
23) Nitrobenzene-d5	7.40	82	1170596	75.40	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	454373	100.86	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2100747	73.30	ng	0.00
79) Terphenyl-d14	12.94	244	1777602	71.69	ng	0.00

Target Compounds

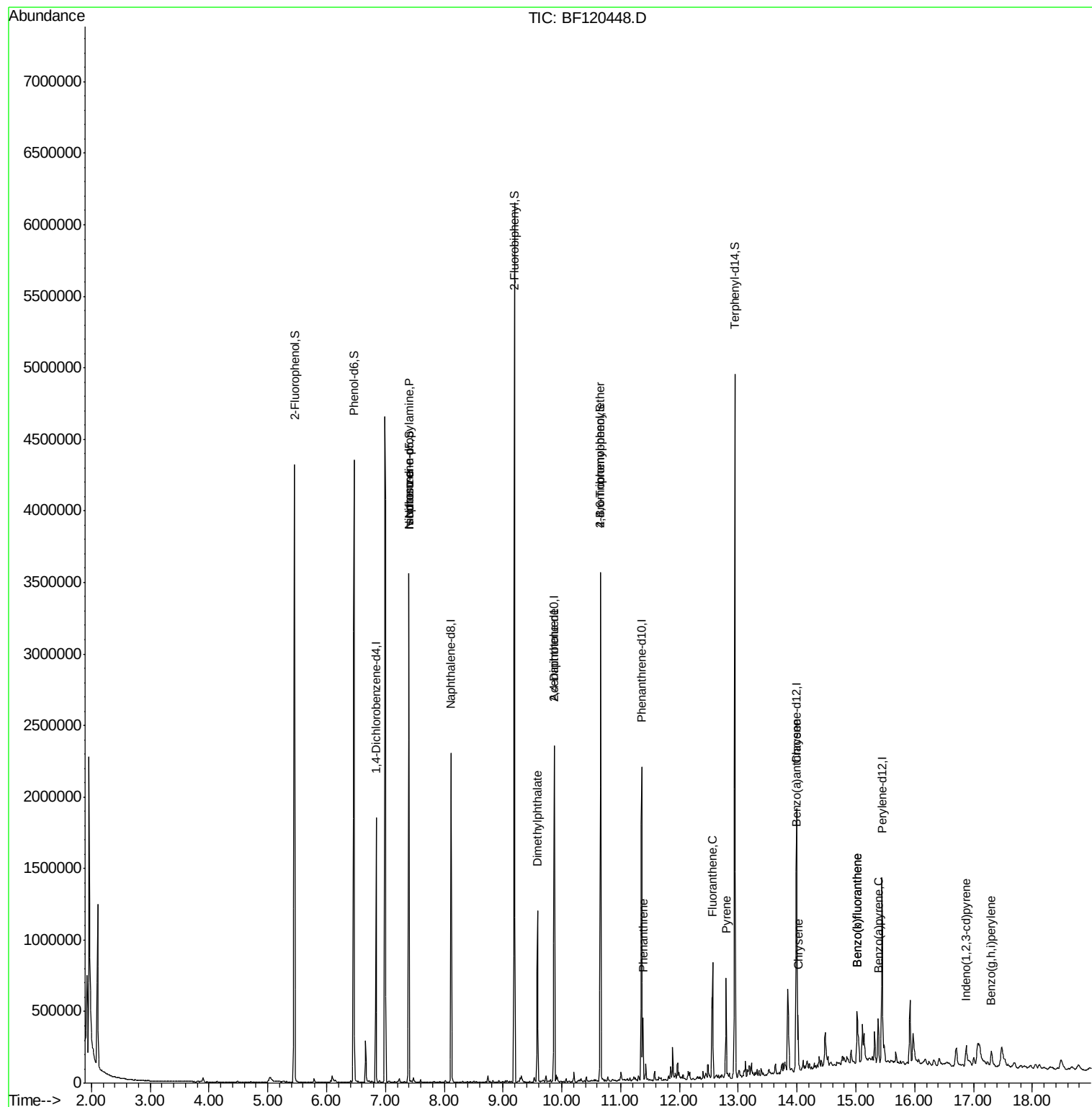
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	156866	13.616	ng	# 78
25) Isophorone	7.40	82	1168771	37.456	ng	# 64
50) Dimethylphthalate	9.59	163	410862	13.516	ng	100
57) 2,4-Dinitrotoluene	9.87	165	63564	7.352	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	27470	3.505	ng	# 1
71) Phenanthrene	11.38	178	164618	4.812	ng	96
75) Fluoranthene	12.57	202	325762	8.849	ng	96
78) Pyrene	12.79	202	294492	7.675	ng	99
81) Benzo(a)anthracene	13.98	228	163852	5.541	ng	98
83) Chrysene	14.02	228	140836	4.543	ng	97
87) Indeno(1,2,3-cd)pyrene	16.87	276	93118	2.821	ng	# 92
88) Benzo(b)fluoranthene	15.02	252	272783	8.139	ng	98
89) Benzo(k)fluoranthene	15.02	252	272783	8.718	ng	98
90) Benzo(a)pyrene	15.38	252	146982	5.014	ng	99
92) Benzo(a,h,i)perylene	17.30	276	86376	3.255	ng	98

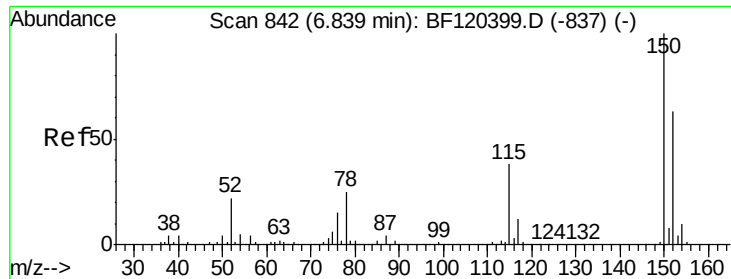
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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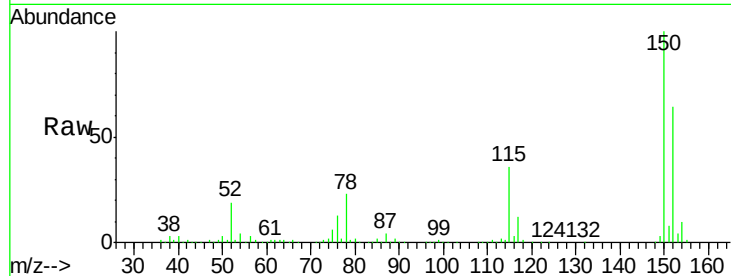


#1

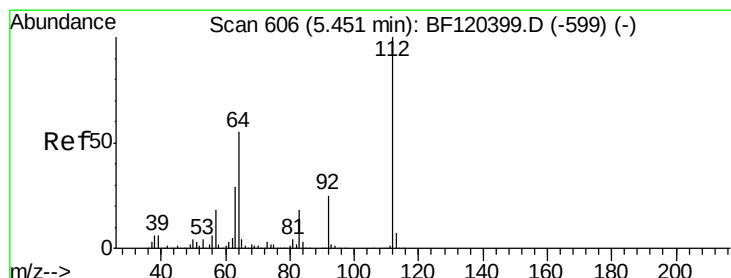
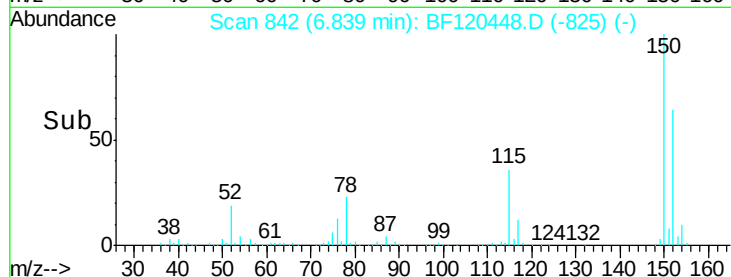
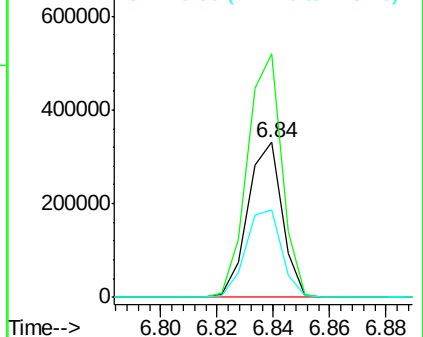
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120448.D
Acq: 29 May 2020 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 280216
Ion Ratio Lower Upper
152 100
150 157.0 126.5 189.7
115 56.1 47.6 71.4



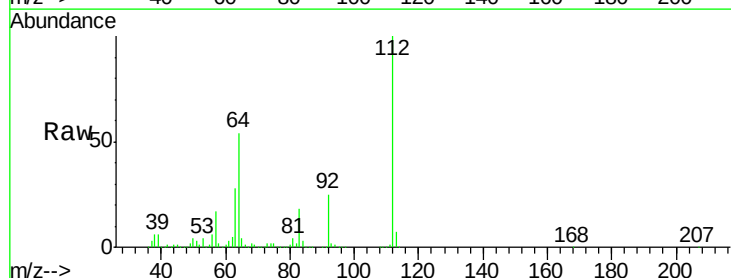
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



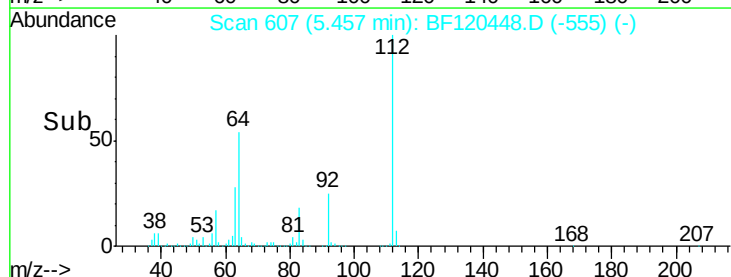
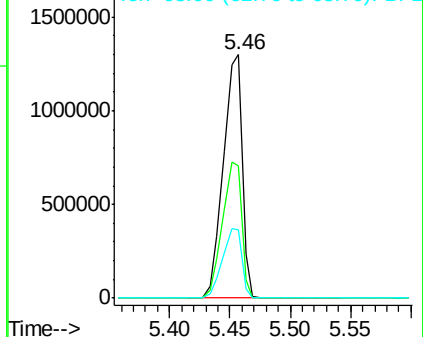
#5

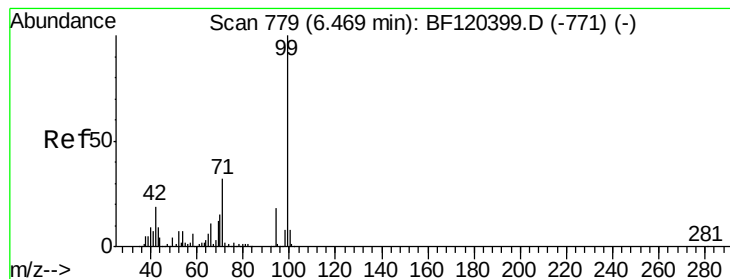
2-Fluorophenol
Concen: 95.580 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120448.D
Acq: 29 May 2020 19:22

Tgt Ion:112 Resp: 1405380
Ion Ratio Lower Upper
112 100
64 54.3 44.3 66.5
63 28.1 22.9 34.3



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: 99.823 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

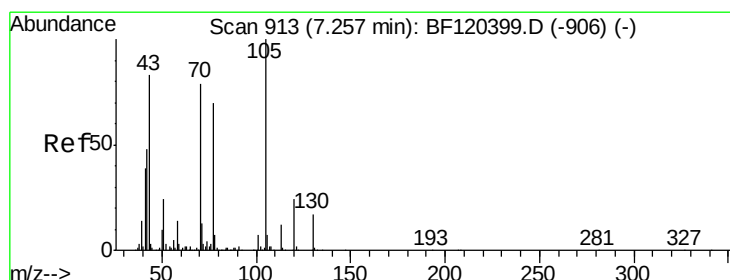
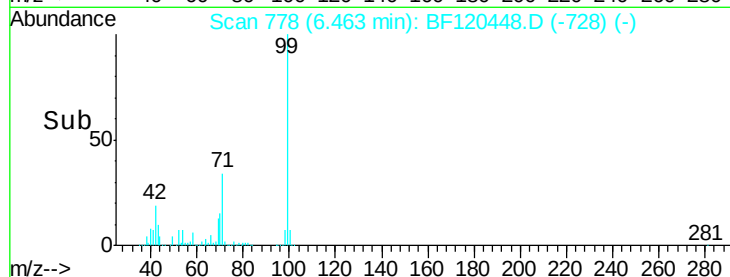
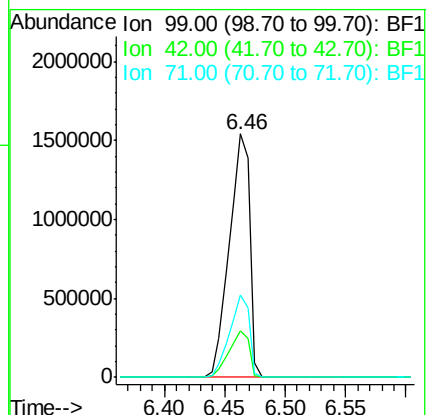
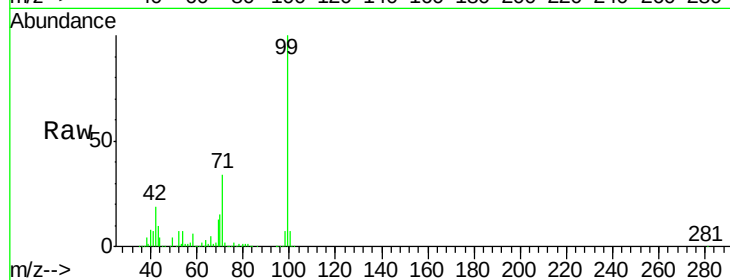
Tot Ion: 99 Resp: 1809126

Ion Ratio Lower Upper

99 100

42 19.3 15.2 22.8

71 33.6 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.616 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Tgt Ion: 70 Resp: 156866

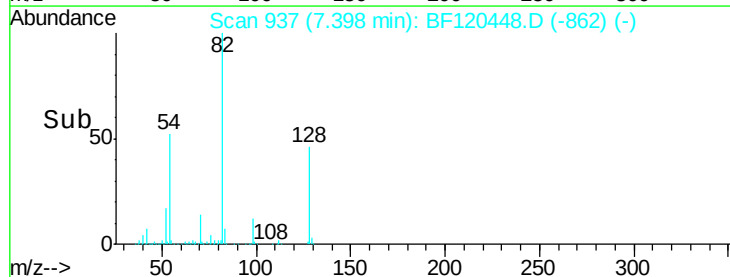
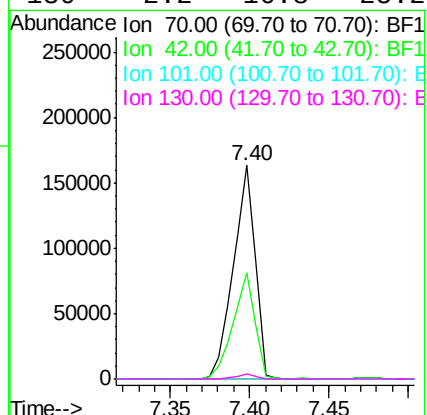
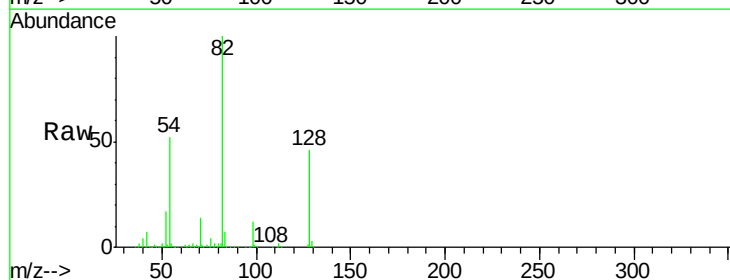
Ion Ratio Lower Upper

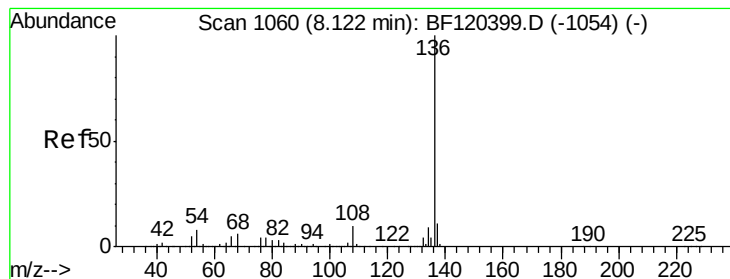
70 100

42 49.9 48.9 73.3

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1015564

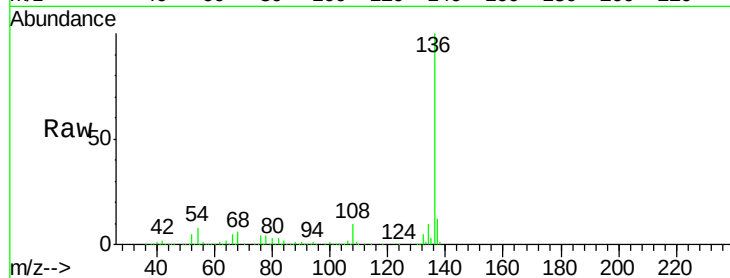
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 8.4 6.7 10.1

68 6.3 5.0 7.4

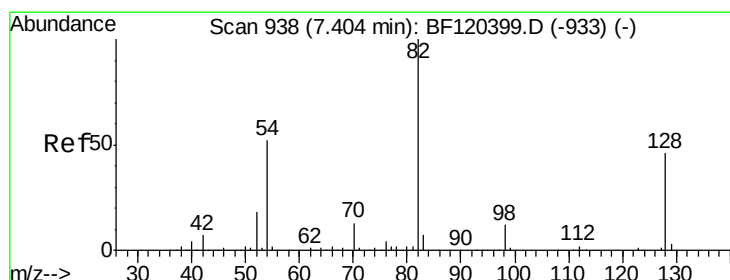
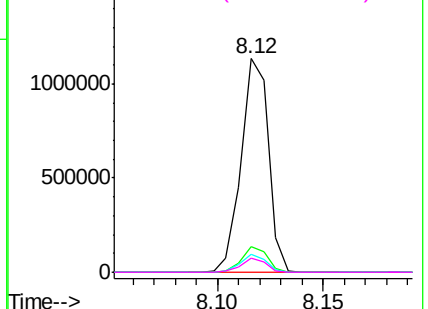
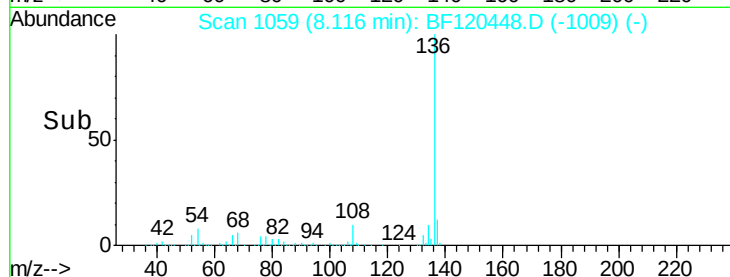


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.399 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

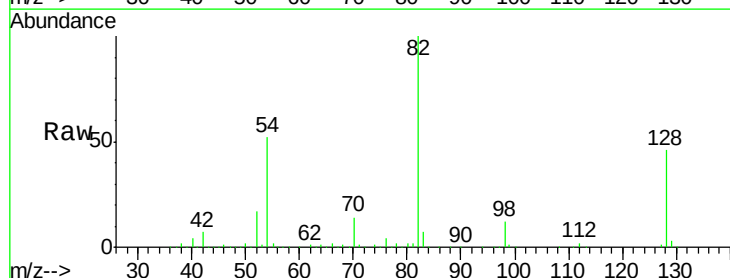
Tgt Ion: 82 Resp: 1170596

Ion Ratio Lower Upper

82 100

128 46.2 36.8 55.2

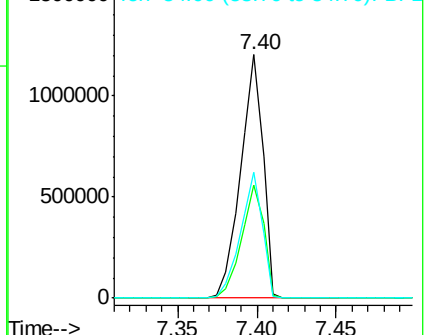
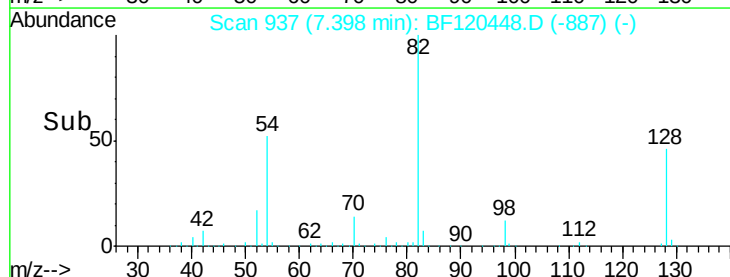
54 51.8 41.6 62.4

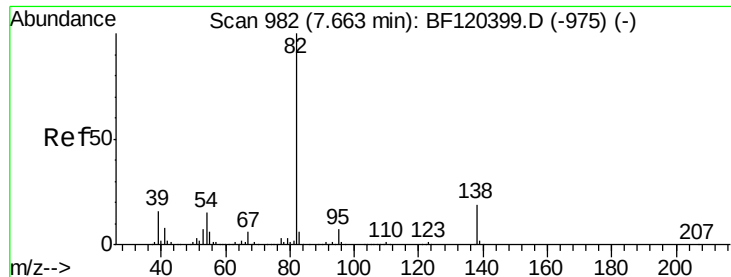


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.456 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

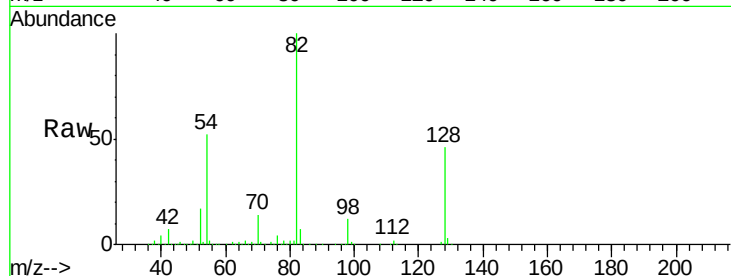
Tot Ion: 82 Resp: 1168771

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

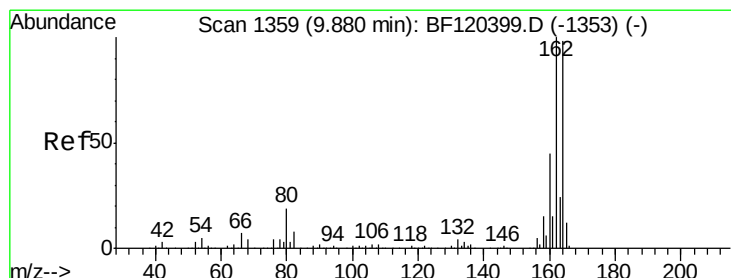
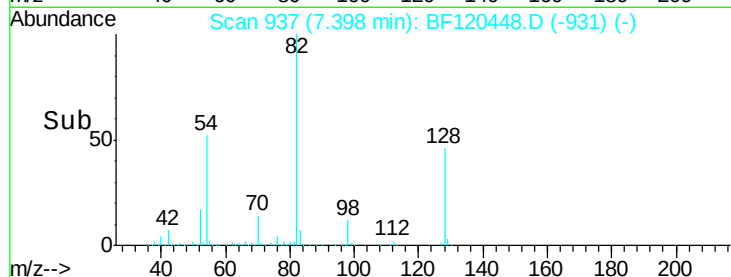
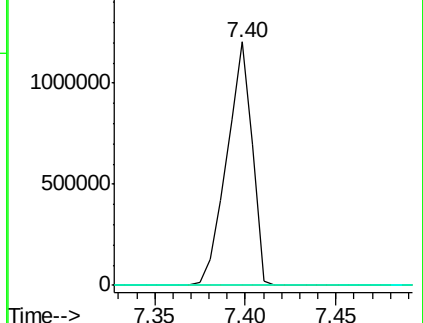
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

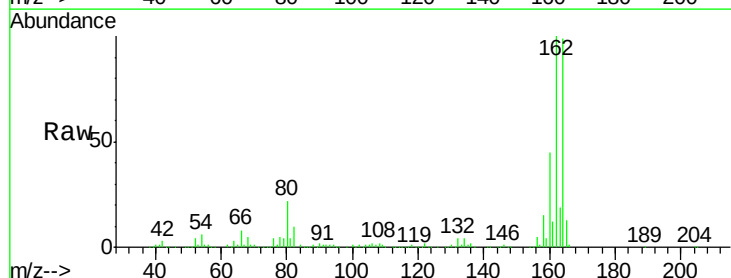
Tgt Ion: 164 Resp: 486236

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

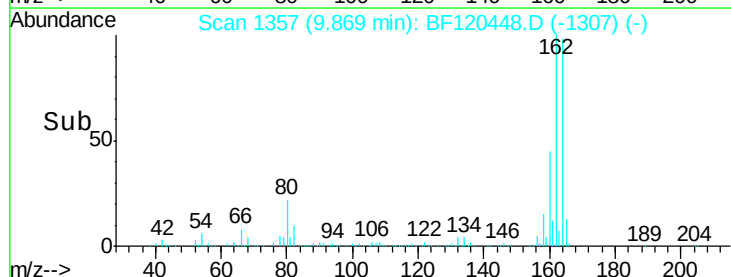
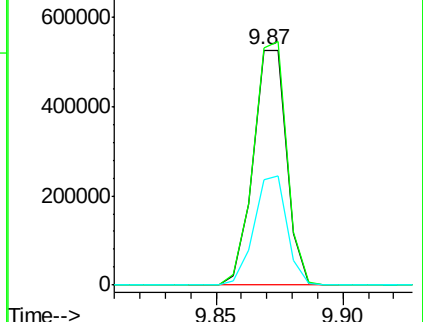
160 45.0 36.9 55.3

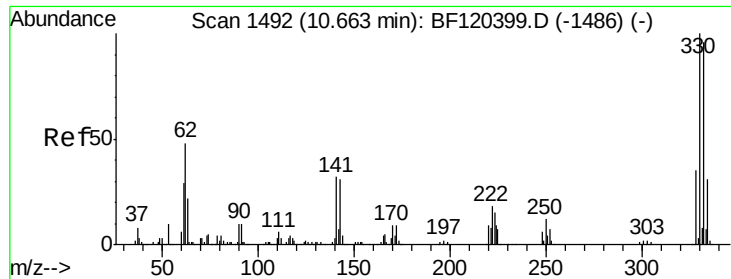


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

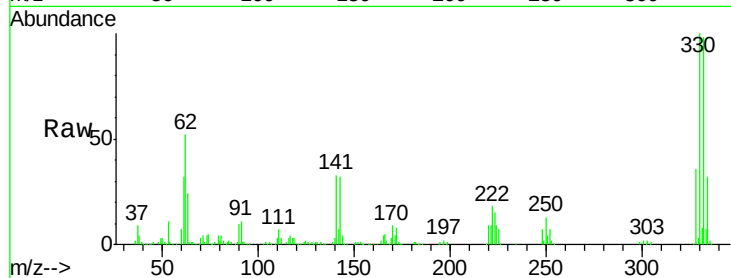




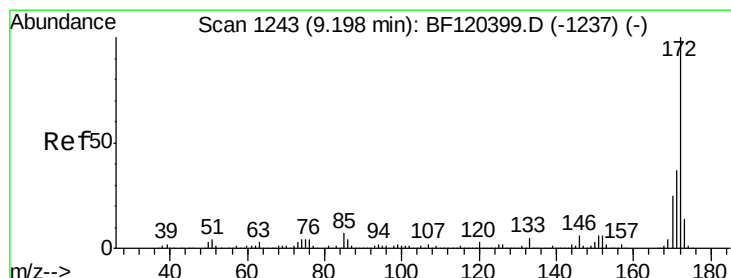
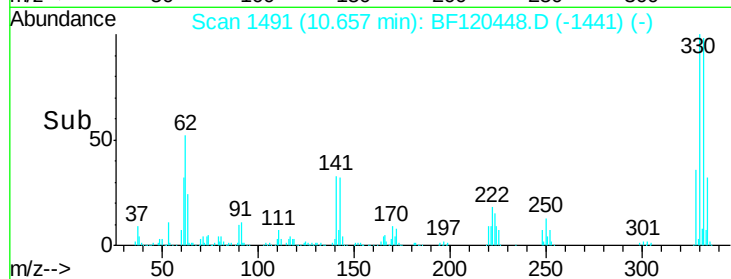
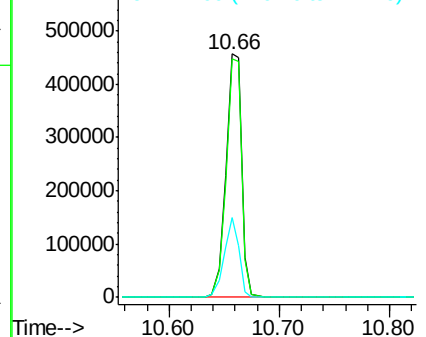
#42
 2,4,6-Tribromophenol
 Concen: 100.855 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120448.D
 Acq: 29 May 2020 19:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	30.2	25.3	37.9

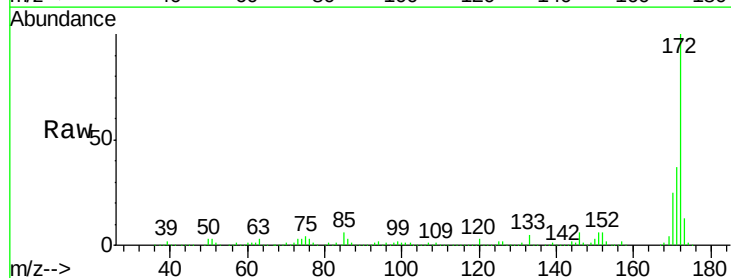


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

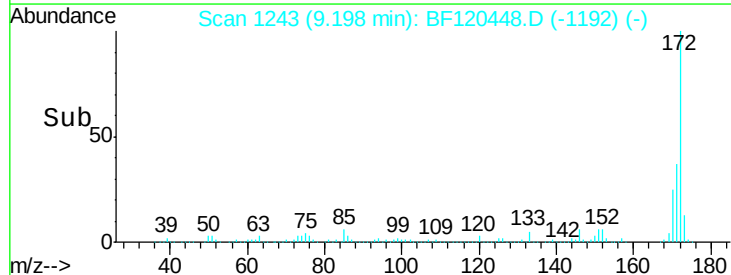
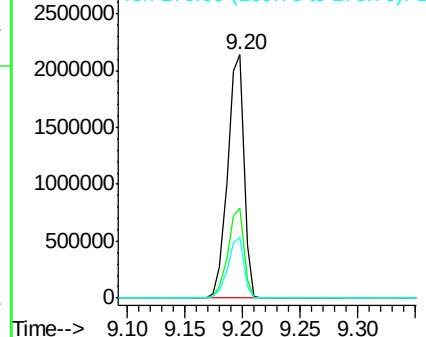


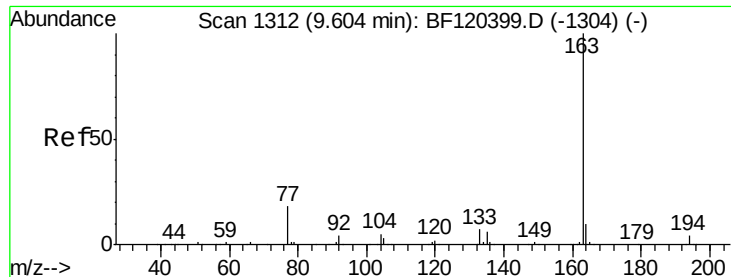
#45
 2-Fluorobiphenyl
 Concen: 73.304 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120448.D
 Acq: 29 May 2020 19:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.9	19.9	29.9



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

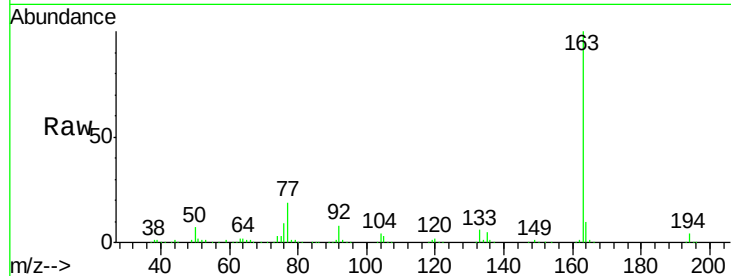




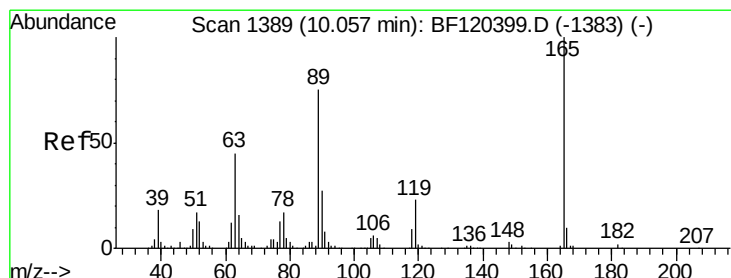
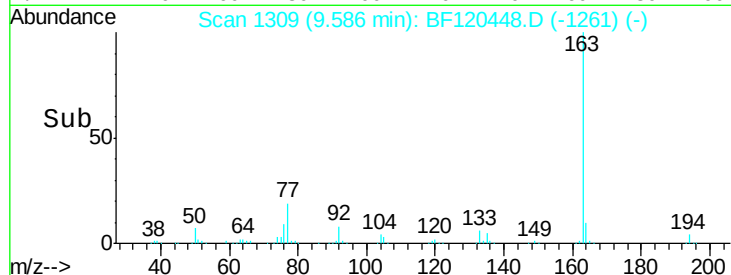
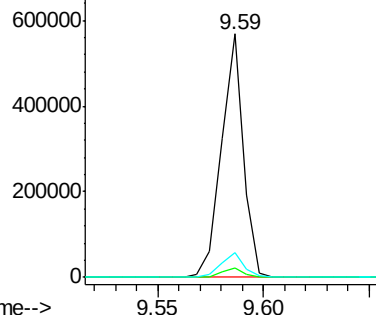
#50
Dimethylphthalate
Concen: 13.516 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120448.D
Acq: 29 May 2020 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163	Resp:	410862
Ion Ratio	Lower	Upper
163	100	
194	3.9	3.3 4.9
164	10.3	8.3 12.5

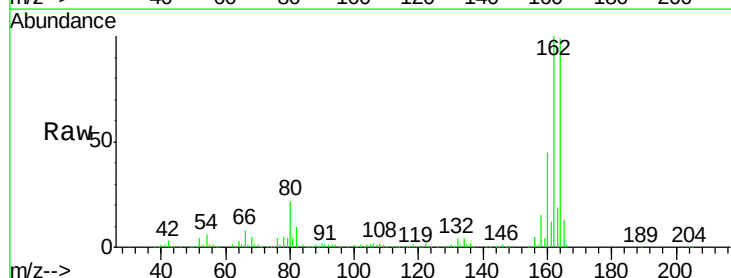


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

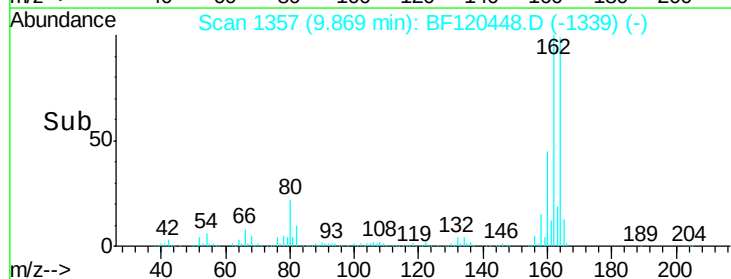
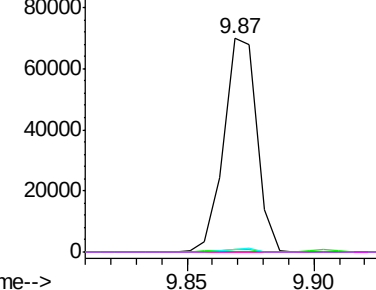


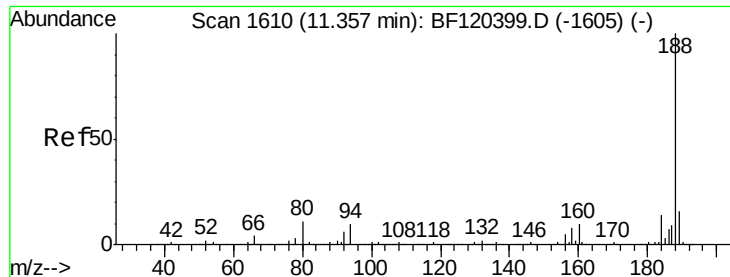
#57
2,4-Dinitrotoluene
Concen: 7.352 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.19 min
Lab File: BF120448.D
Acq: 29 May 2020 19:22

Tgt Ion:165	Resp:	63564
Ion Ratio	Lower	Upper
165	100	
63	1.1	35.9 53.9#
89	1.3	60.0 90.0#
182	0.0	2.0 3.0#



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

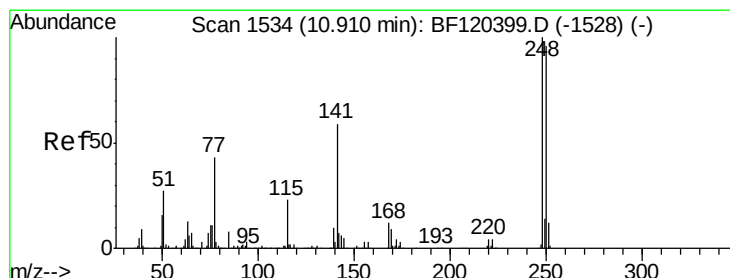
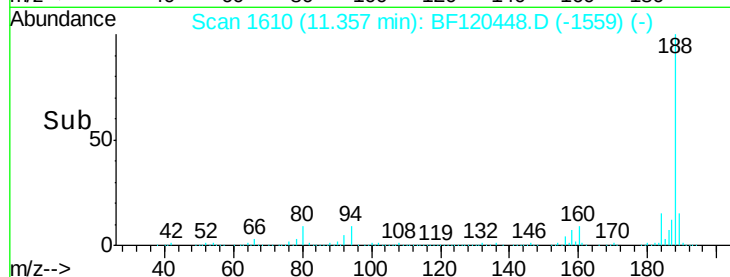
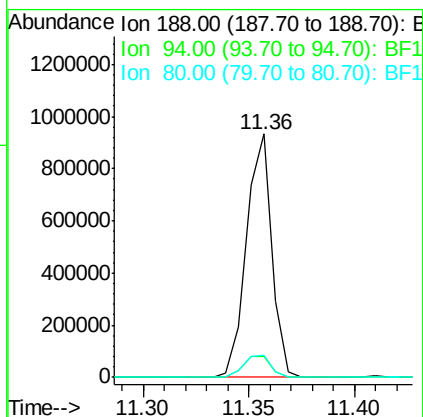
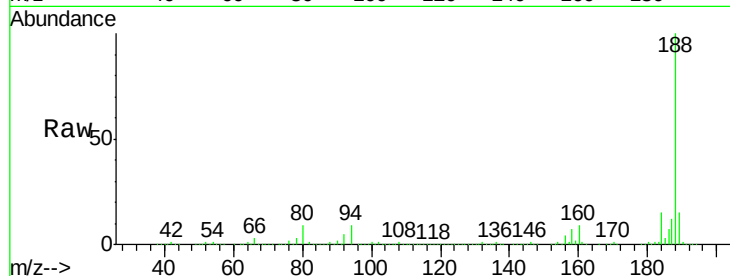




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF120448.D
 Acq: 29 May 2020 19:22

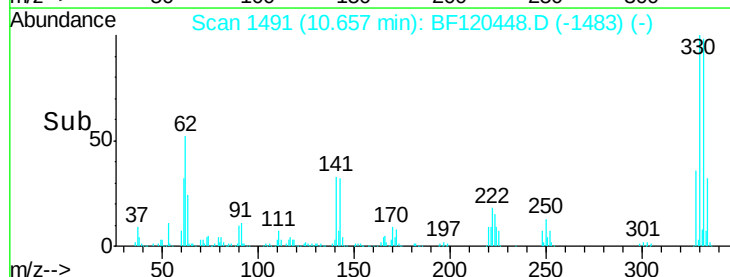
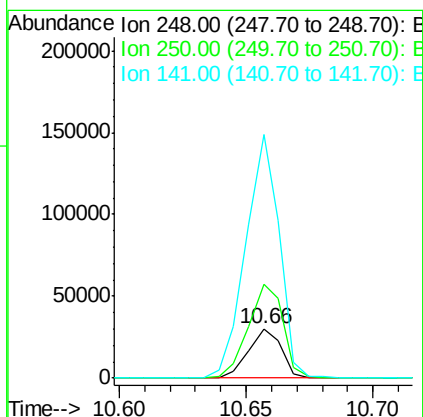
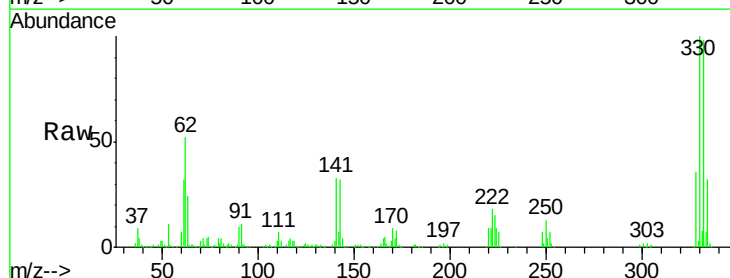
Instrument :
 BNA_F
 ClientSampleId :

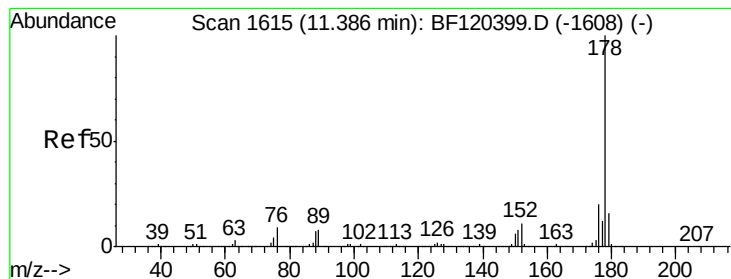
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.9	11.9
80	9.0	8.6	13.0



#67
 4-Bromophenyl-phenylether
 Concen: 3.505 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120448.D
 Acq: 29 May 2020 19:22

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.2	76.5	114.7#
141	490.8	47.2	70.8#





#71

Phenanthrene

Concen: 4.812 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampled :

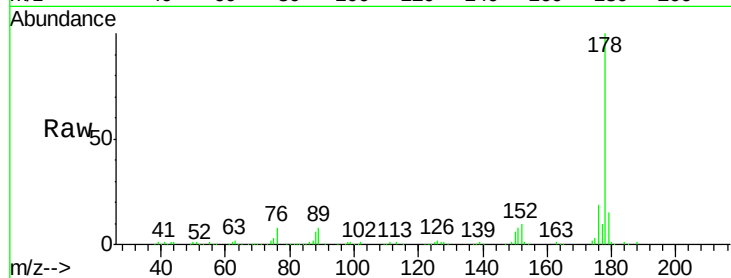
Tot Ion:178 Resp: 164618

Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

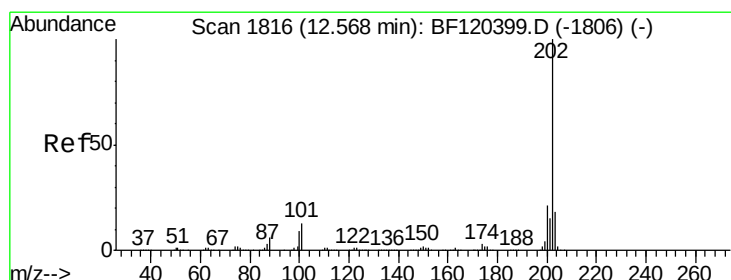
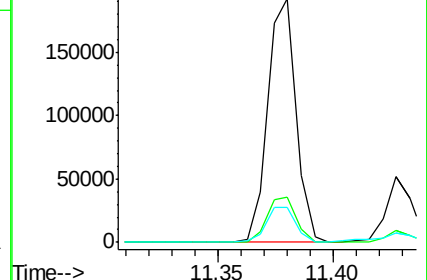
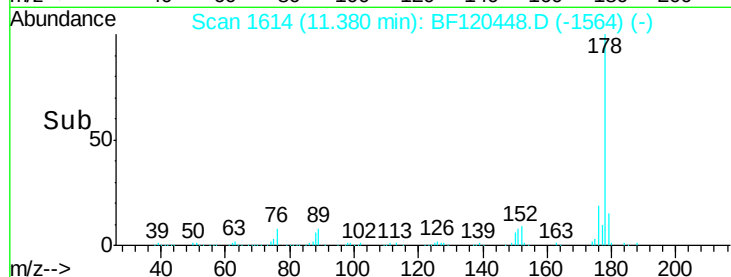
179 14.5 13.0 19.4



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



#75

Fluoranthene

Concen: 8.849 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

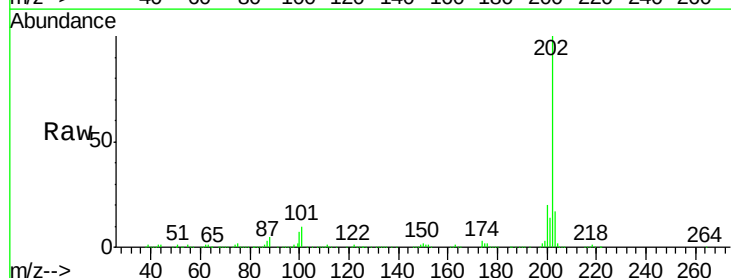
Tgt Ion:202 Resp: 325762

Ion Ratio Lower Upper

202 100

101 10.2 0.0 32.6

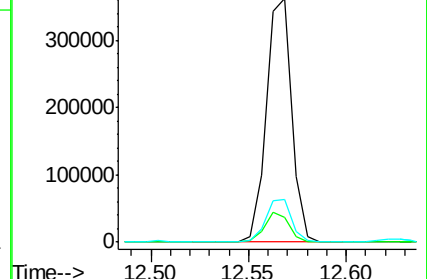
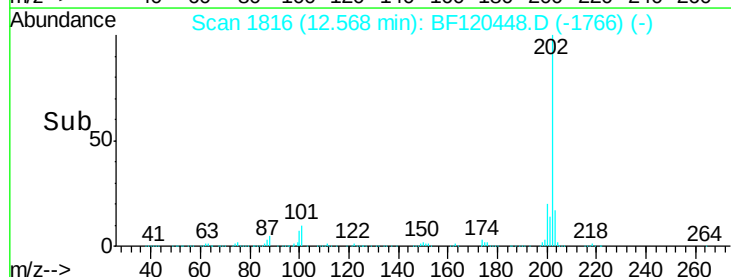
203 17.4 0.0 38.4

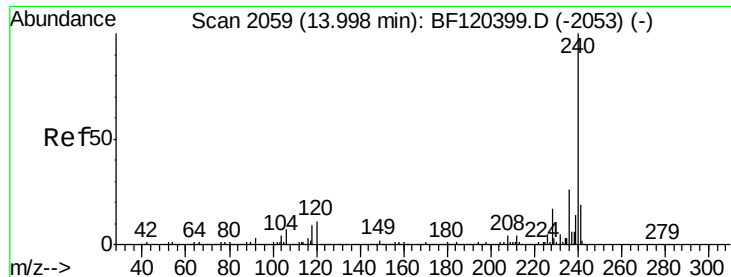


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

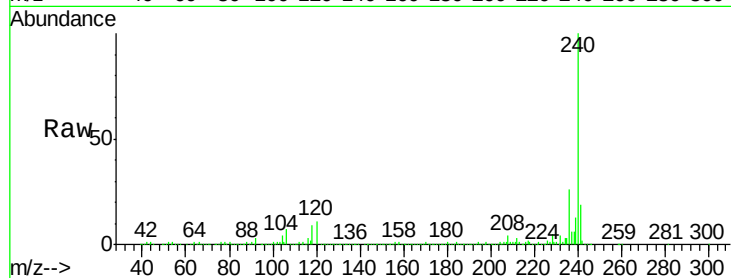
Tot Ion:240 Resp: 551739

Ion Ratio Lower Upper

240 100

120 11.1 8.8 13.2

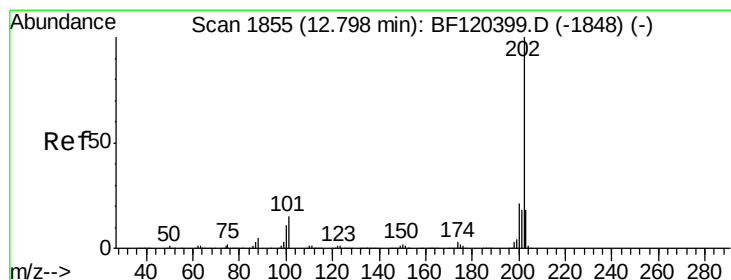
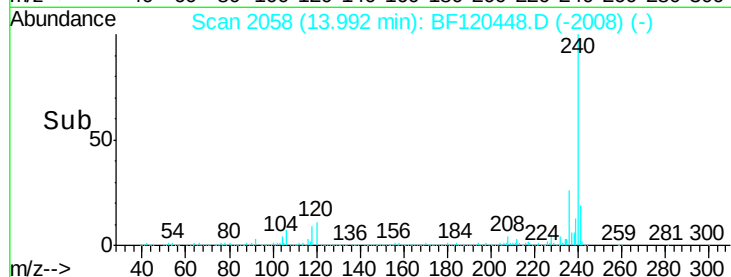
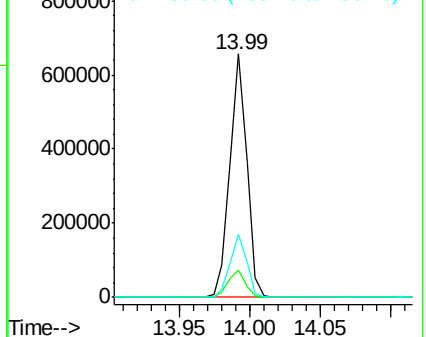
236 26.1 21.0 31.4



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: 7.675 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

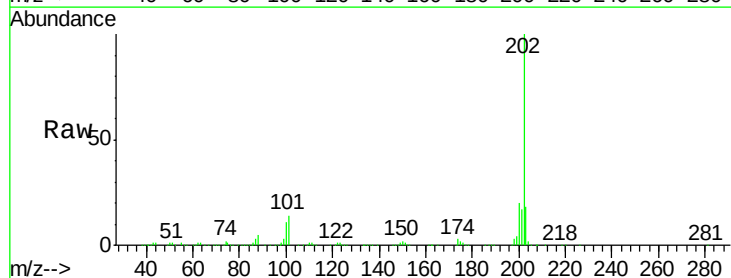
Tgt Ion:202 Resp: 294492

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

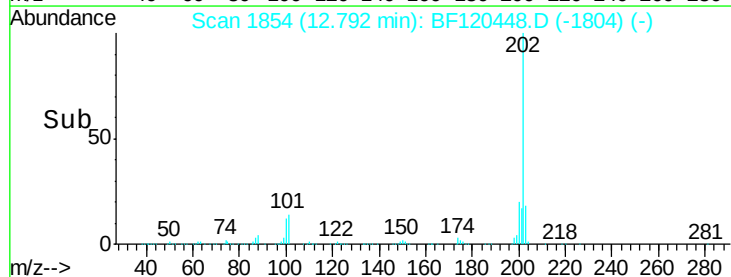
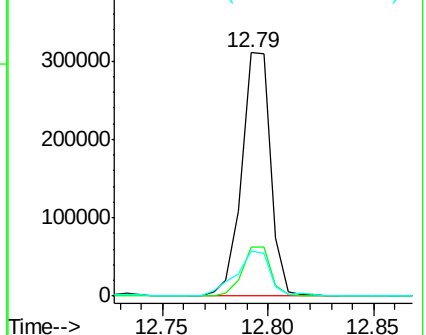
203 18.3 14.7 22.1

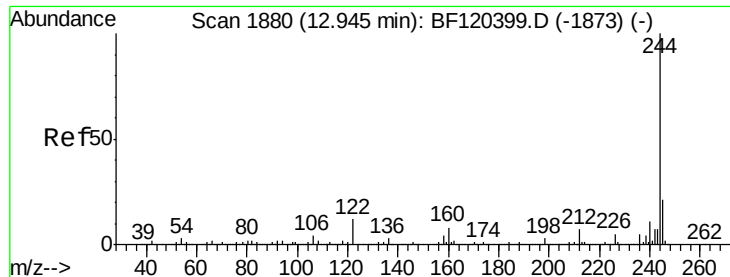


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.693 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

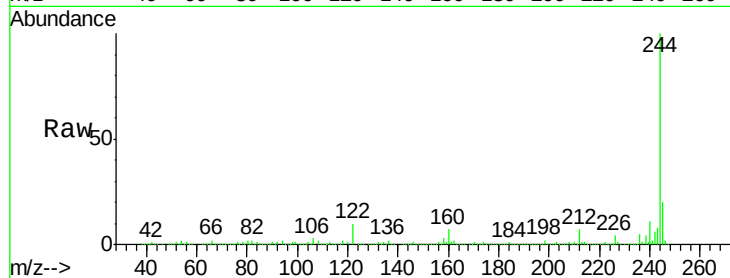
Tot Ion:244 Resp: 1777602

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.4 9.2 13.8



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

12.94

2000000

1500000

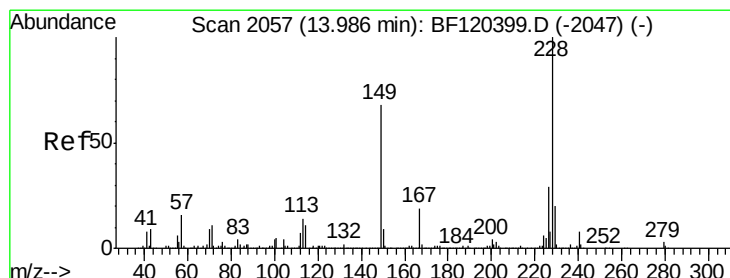
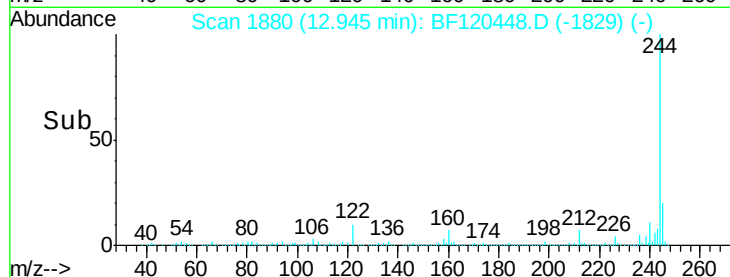
1000000

500000

0

Time-->

12.90 13.00 13.10



#81

Benzo(a)anthracene

Concen: 5.541 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

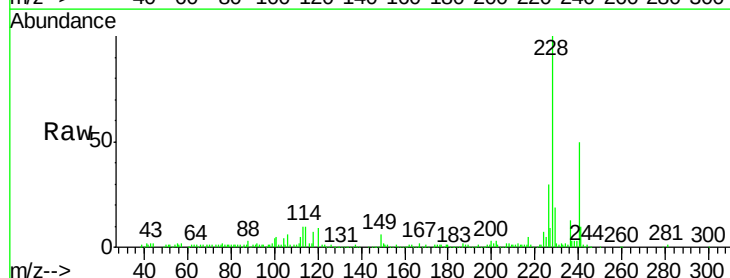
Tgt Ion:228 Resp: 163852

Ion Ratio Lower Upper

228 100

226 30.0 23.0 34.4

229 19.5 16.2 24.4



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

13.98

200000

150000

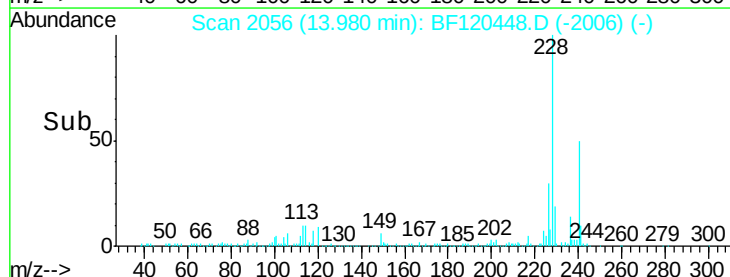
100000

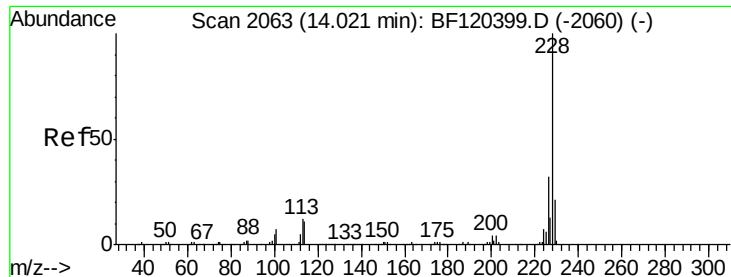
50000

0

Time-->

13.95 14.00





#83

Chrysene

Concen: 4.543 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

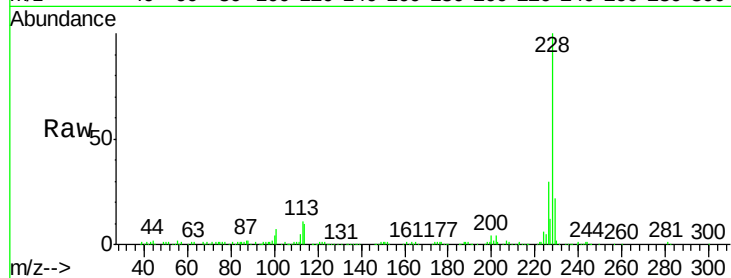
Tot Ion:228 Resp: 140836

Ion Ratio Lower Upper

228 100

226 29.5 25.6 38.4

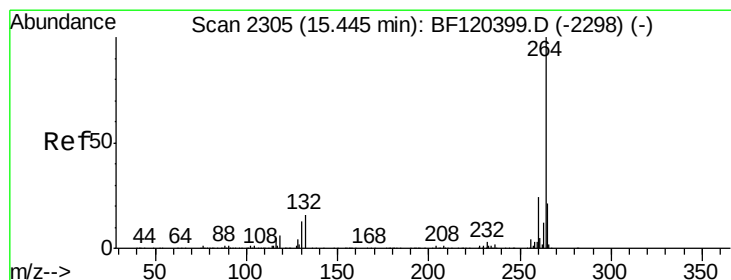
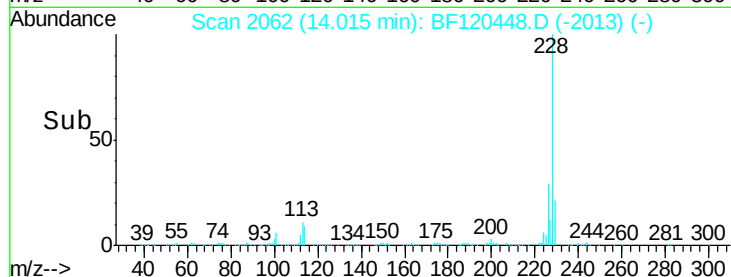
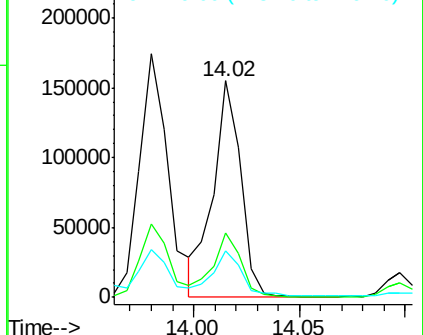
229 21.7 16.6 25.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

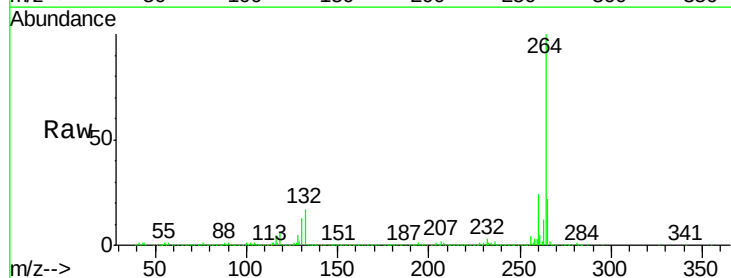
Tgt Ion:264 Resp: 603411

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

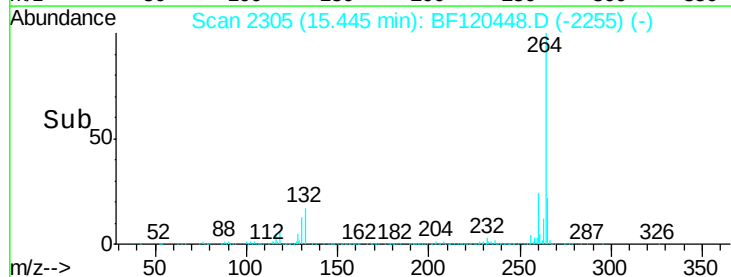
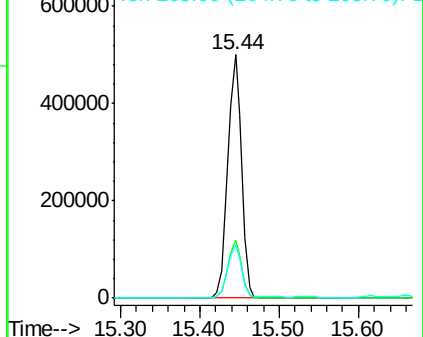
265 21.8 16.9 25.3

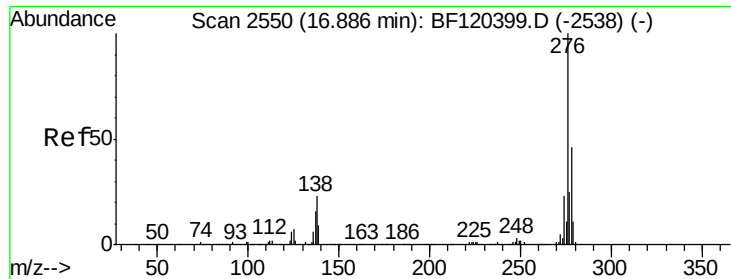


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

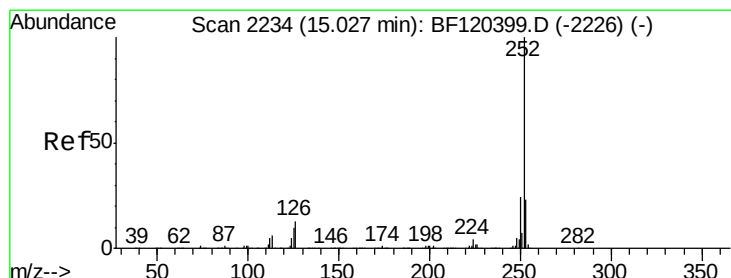
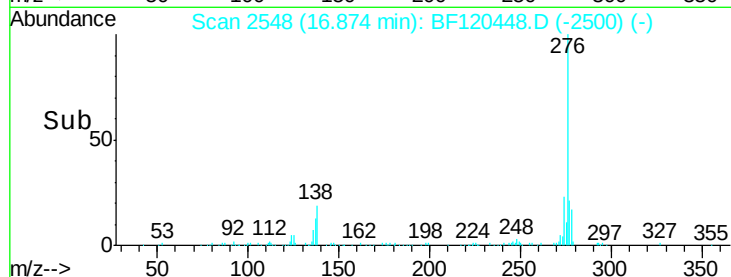
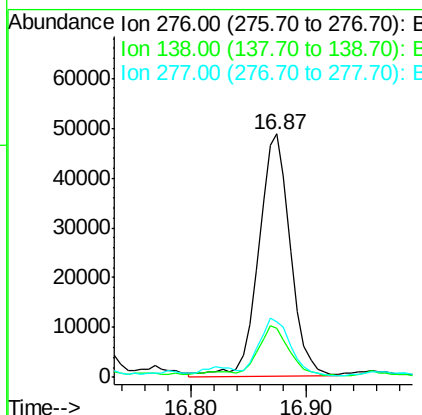
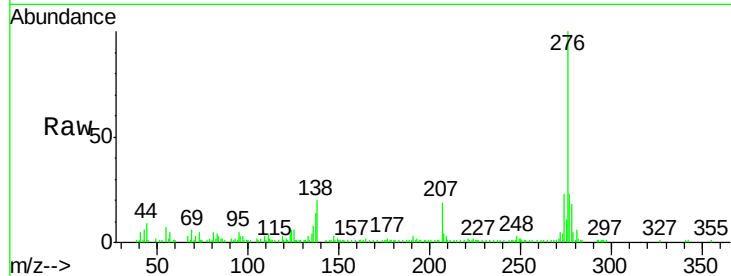




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.821 ng
 RT: 16.87 min Scan# 2548
 Delta R.T. -0.02 min
 Lab File: BF120448.D
 Acq: 29 May 2020 19:22

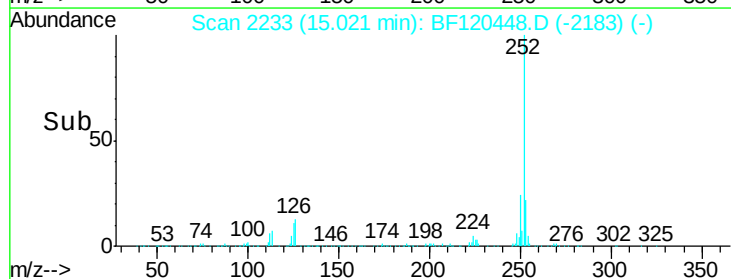
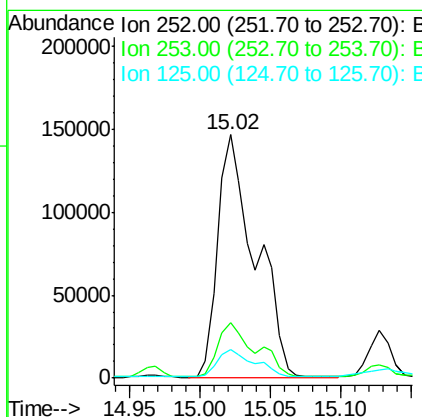
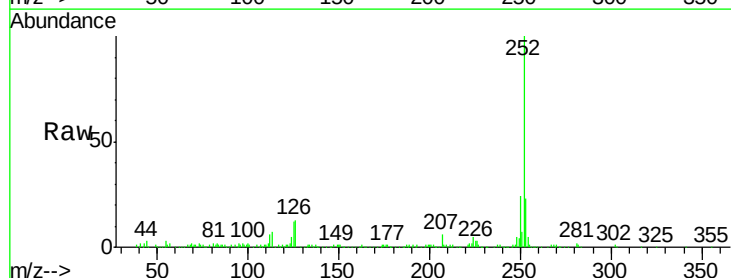
Instrument :
 BNA_F
 ClientSampleId :

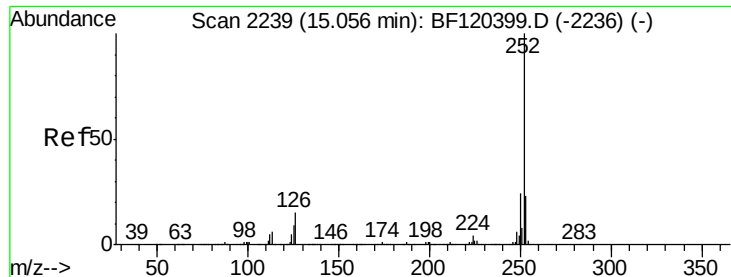
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	20.4	30.6#
277	23.4	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.139 ng
 RT: 15.02 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BF120448.D
 Acq: 29 May 2020 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.7	7.8	11.8

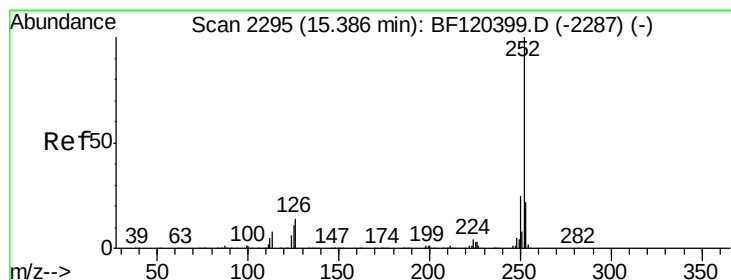
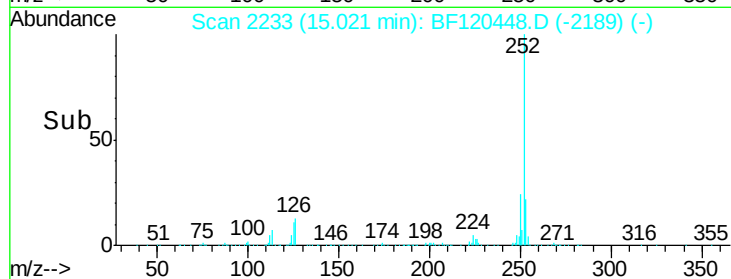
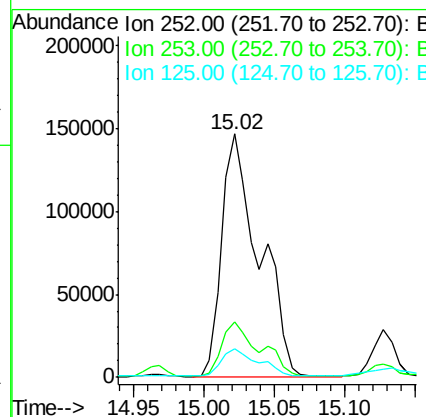
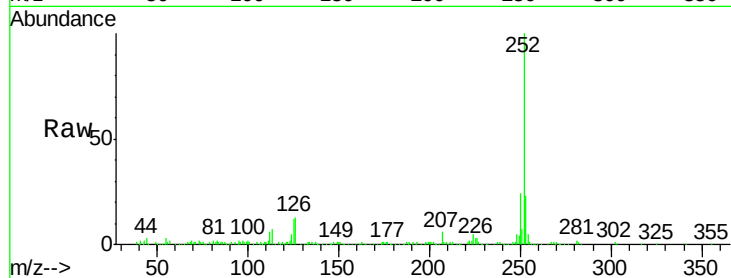




#89
Benzo(k)fluoranthene
Concen: 8.718 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120448.D
Acq: 29 May 2020 19:22

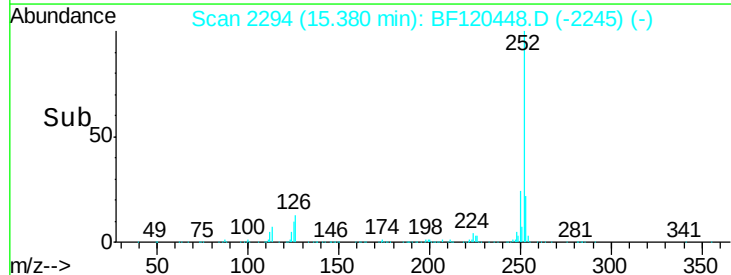
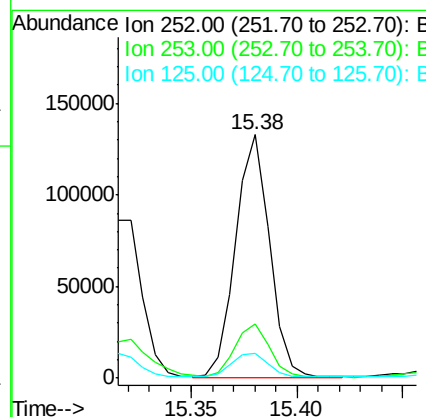
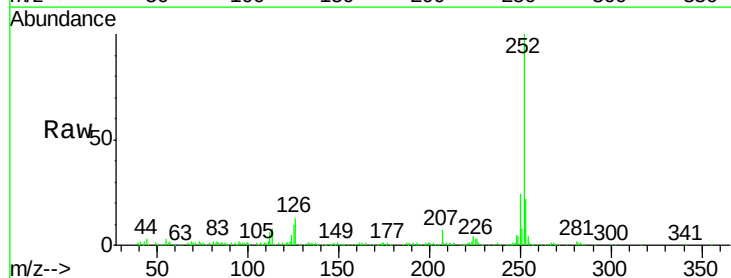
Instrument :
BNA_F
ClientSampleId :

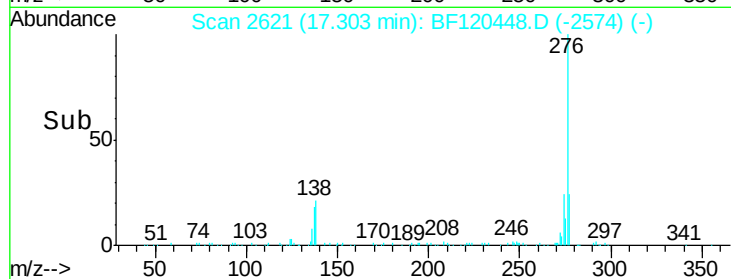
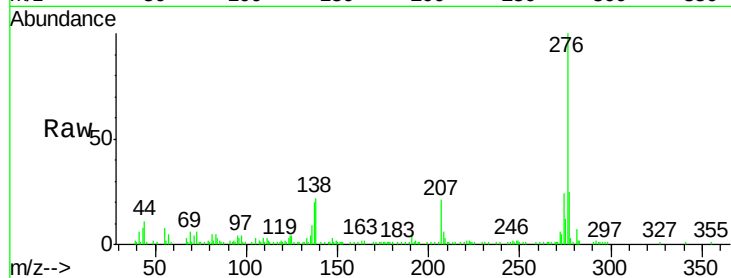
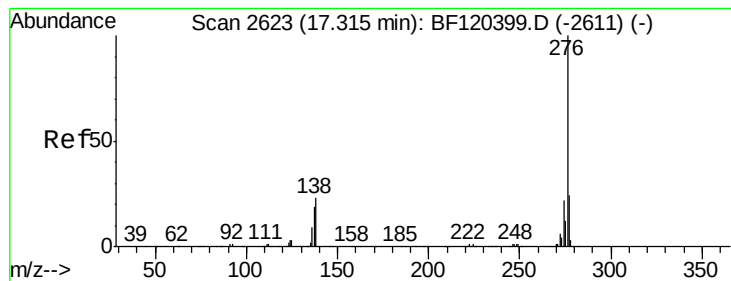
Tot Ion:252 Resp: 272783
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 11.7 8.0 12.0



#90
Benzo(a)pyrene
Concen: 5.014 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120448.D
Acq: 29 May 2020 19:22

Tgt Ion:252 Resp: 146982
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.3 8.7 13.1





#92

Benzo(a,h,i)perylene

Concen: 3.255 ng

RT: 17.30 min Scan# 2621

Delta R.T. -0.02 min

Lab File: BF120448.D

Acq: 29 May 2020 19:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 86376

Ion Ratio Lower Upper

276 100

277 25.1 19.5 29.3

138 21.7 18.1 27.1

