

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120458.D
 Acq On : 29 May 2020 23:56
 Operator : MA/SJ
 Sample : L2792-06 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 05:19:54 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

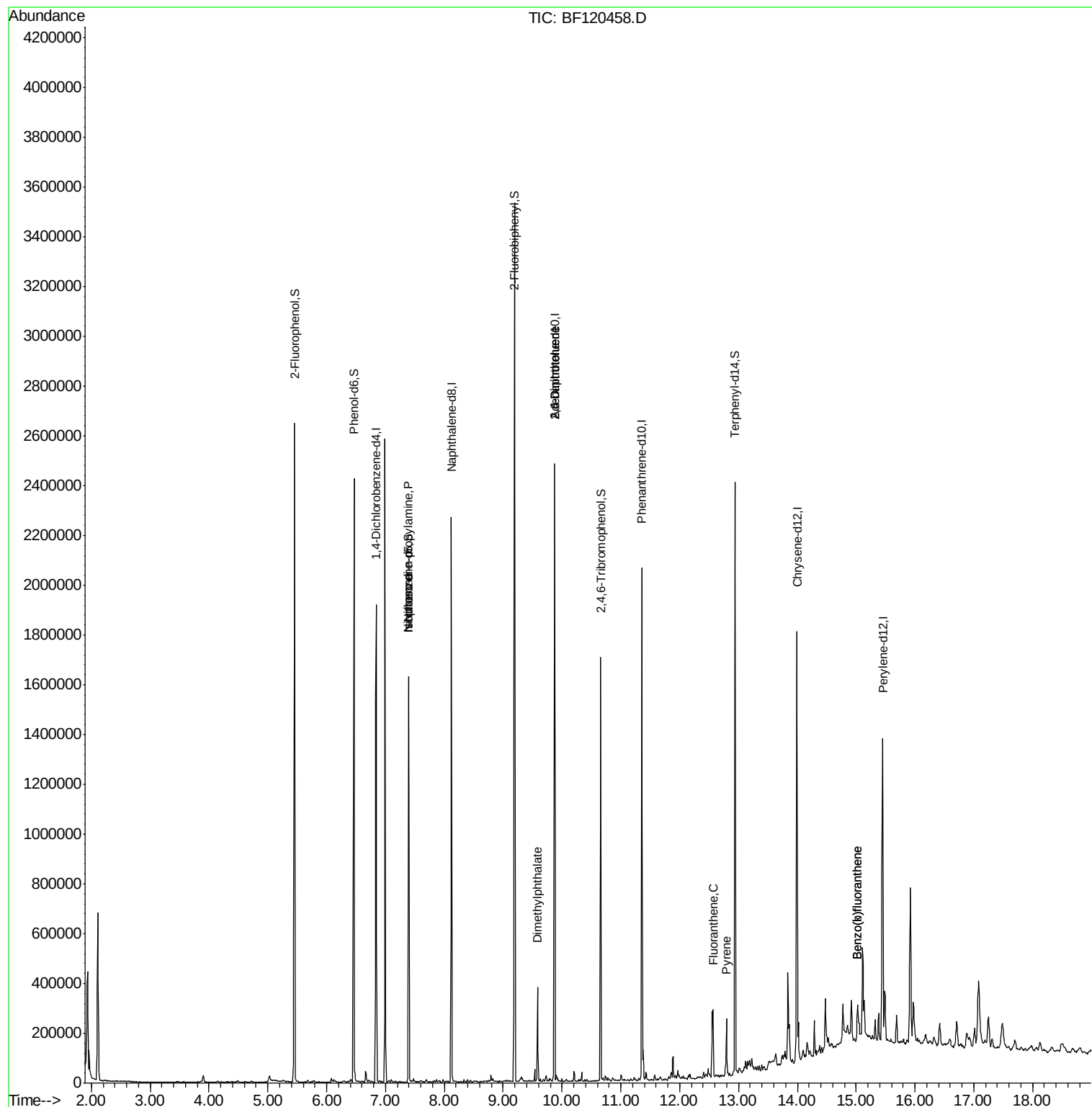
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	276219	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	992008	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	446491	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	695172	20.00	ng	0.00
76) Chrysene-d12	13.99	240	566836	20.00	ng	0.00
86) Perylene-d12	15.45	264	568647	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	686506	47.36	ng	0.00
7) Phenol-d6	6.46	99	848098	47.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	508106	33.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	190262	45.99	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1004447	38.17	ng	0.00
79) Terphenyl-d14	12.94	244	834659	32.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	65669	5.783	ng	# 78
25) Isophorone	7.39	82	506820	16.628	ng	# 64
50) Dimethylphthalate	9.59	163	125214	4.486	ng	98
51) 2,6-Dinitrotoluene	9.87	165	56982	9.186	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	56982	7.177	ng	# 22
75) Fluoranthene	12.57	202	99509	3.019	ng	96
78) Pyrene	12.80	202	98429	2.497	ng	97
88) Benzo(b)fluoranthene	15.02	252	103715	3.284	ng	98
89) Benzo(k)fluoranthene	15.02	252	103715	3.517	ng	98

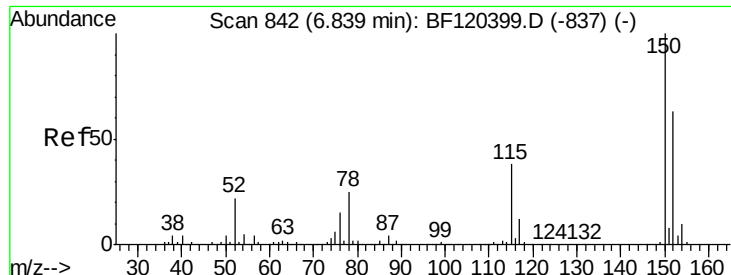
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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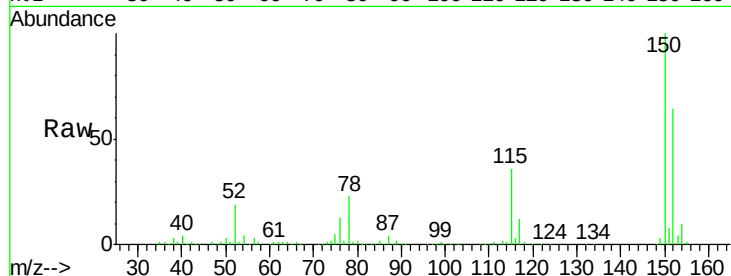


#1

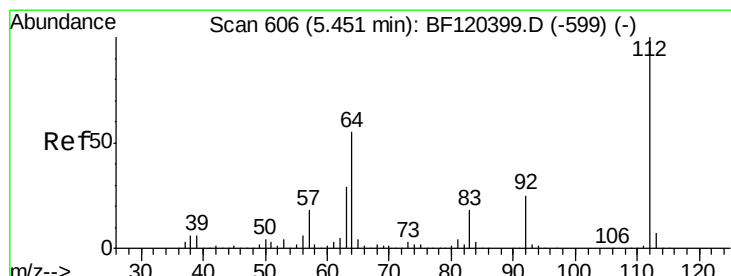
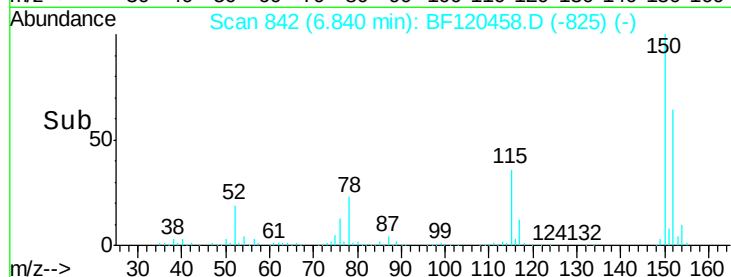
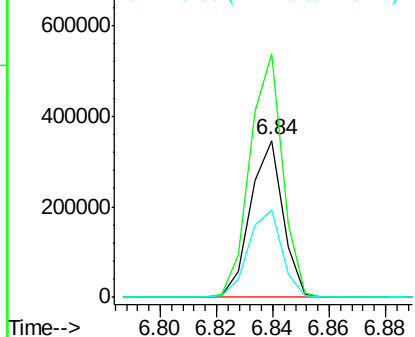
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120458.D
Acq: 29 May 2020 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 276219
Ion Ratio Lower Upper
152 100
150 155.5 126.5 189.7
115 55.8 47.6 71.4



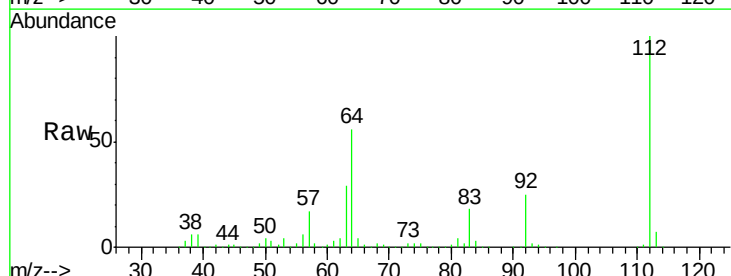
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



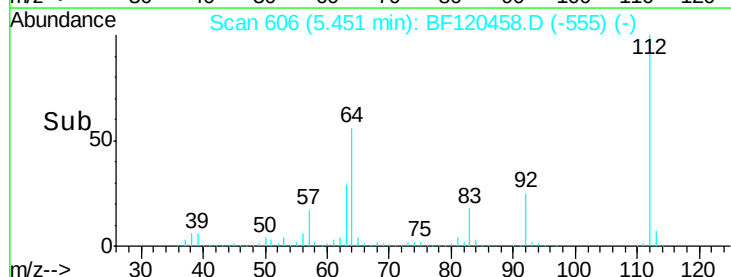
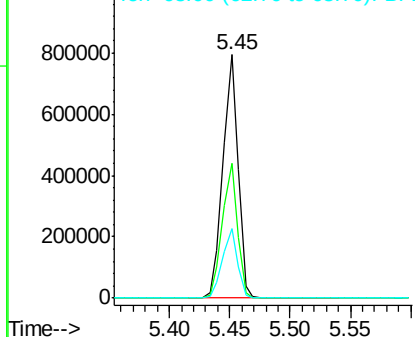
#5

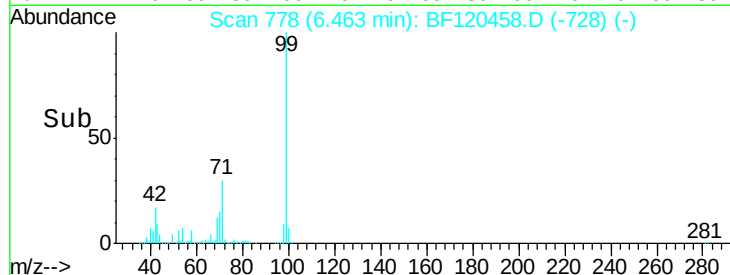
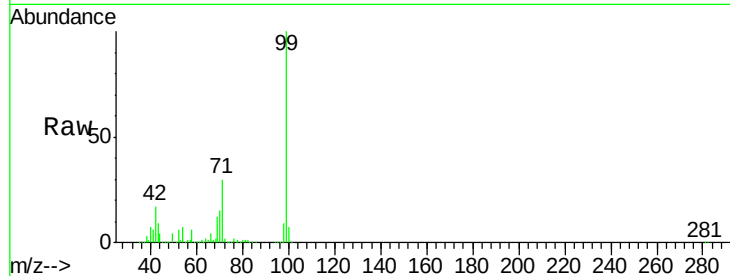
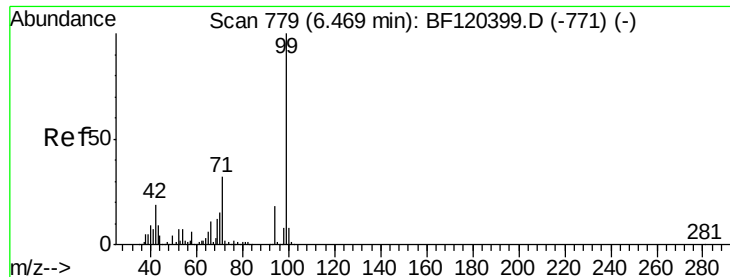
2-Fluorophenol
Concen: 47.365 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120458.D
Acq: 29 May 2020 23:56

Tgt Ion:112 Resp: 686506
Ion Ratio Lower Upper
112 100
64 55.6 44.3 66.5
63 28.6 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: 47.473 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :

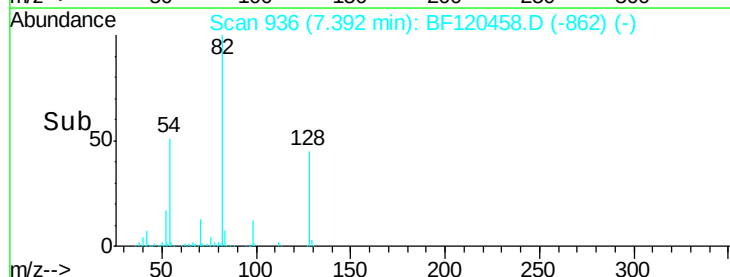
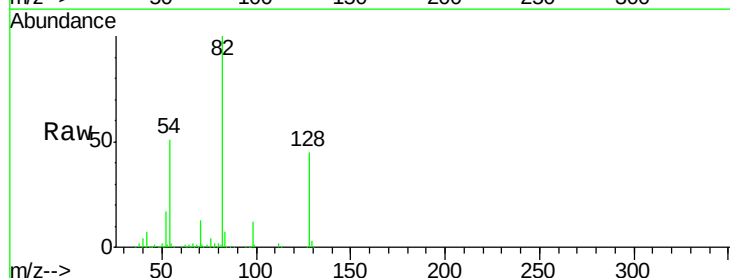
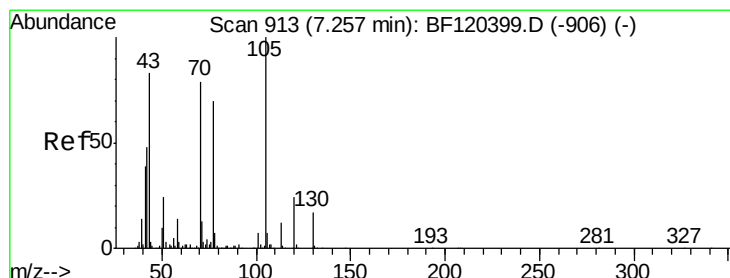
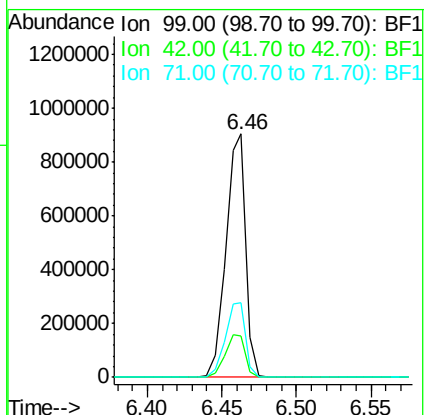
Tot Ion: 99 Resp: 848098

Ion Ratio Lower Upper

99 100

42 17.1 15.2 22.8

71 30.4 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.783 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Tgt Ion: 70 Resp: 65669

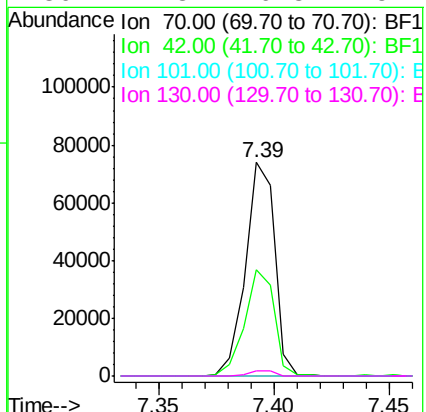
Ion Ratio Lower Upper

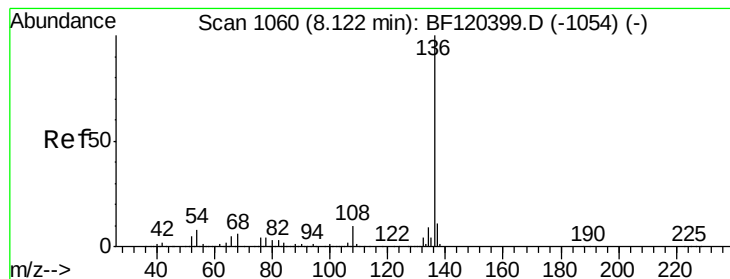
70 100

42 49.7 48.9 73.3

101 0.0 7.4 11.2#

130 2.3 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 992008

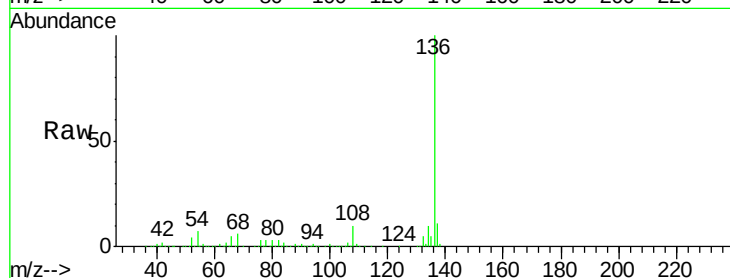
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.3 6.7 10.1

68 5.7 5.0 7.4

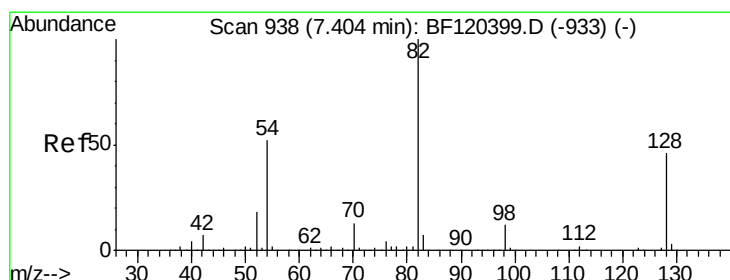
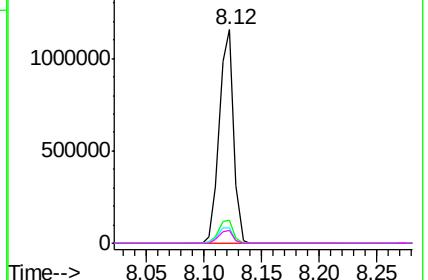
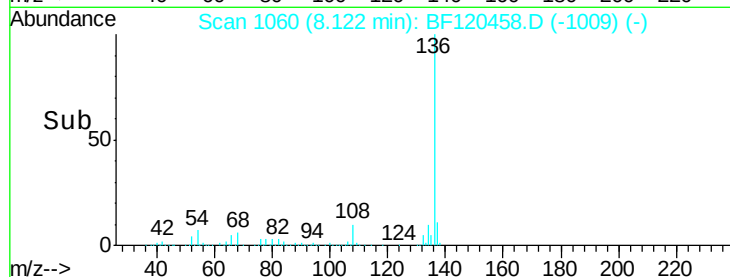


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.505 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

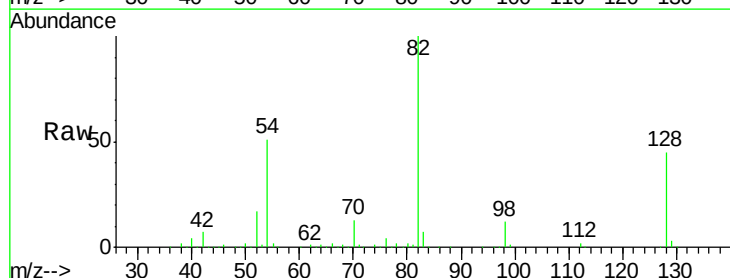
Tgt Ion: 82 Resp: 508106

Ion Ratio Lower Upper

82 100

128 45.4 36.8 55.2

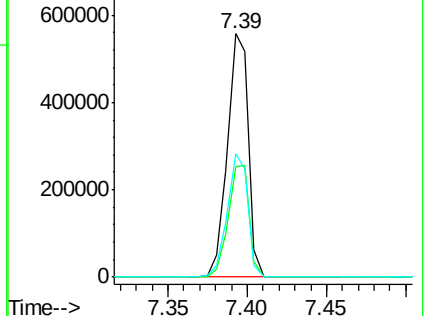
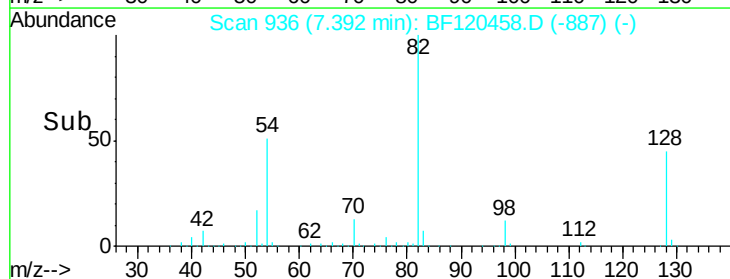
54 50.6 41.6 62.4

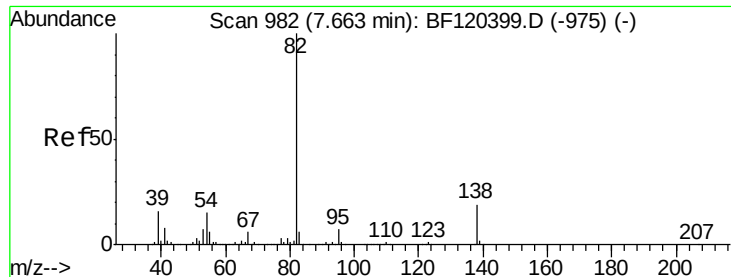


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.628 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :

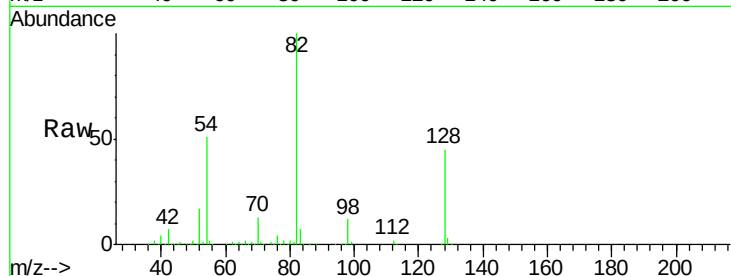
Tot Ion: 82 Resp: 506820

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

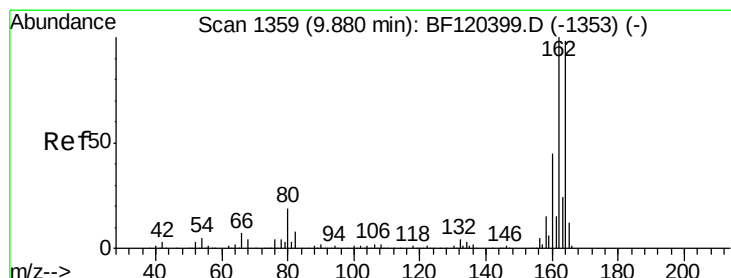
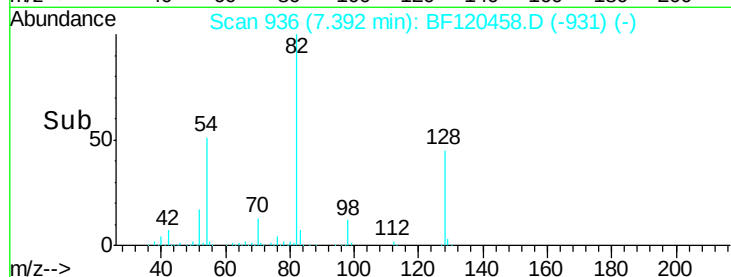
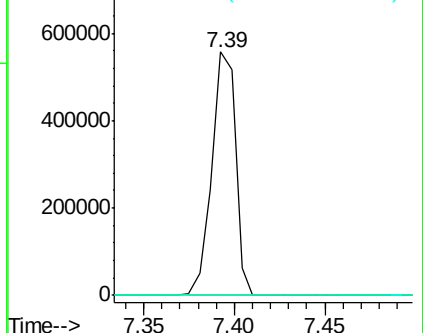
138 0.0 15.0 22.4#



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# 1358

Delta R.T. 0.00 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

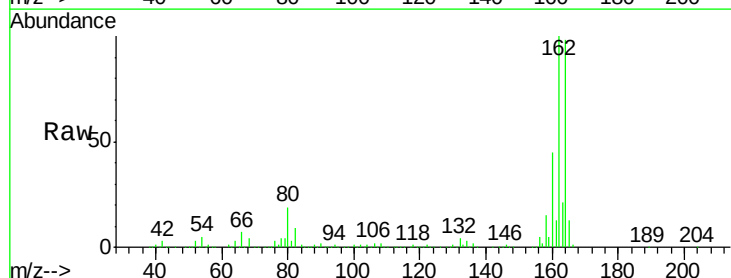
Tgt Ion: 164 Resp: 446491

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

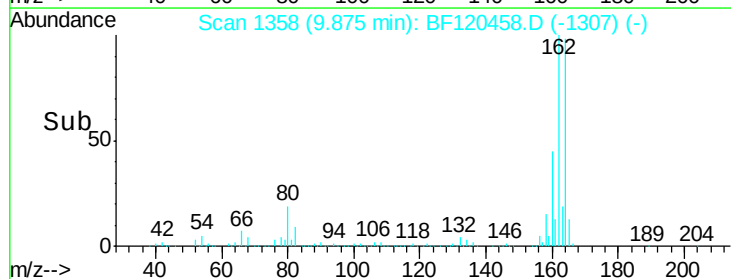
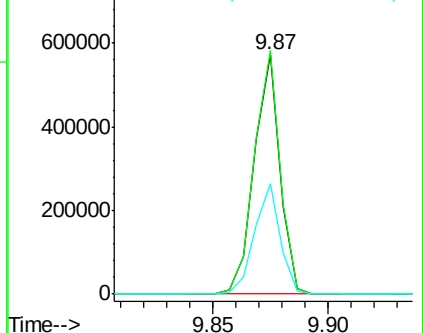
160 46.1 36.9 55.3

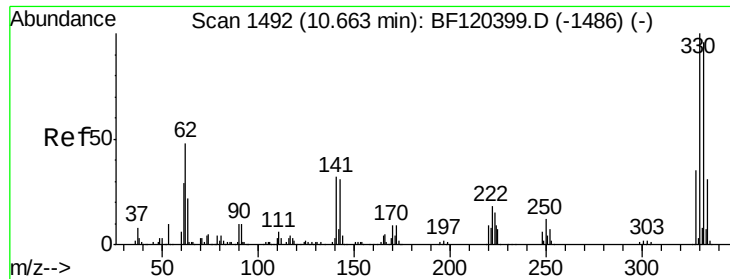


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 45.991 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :

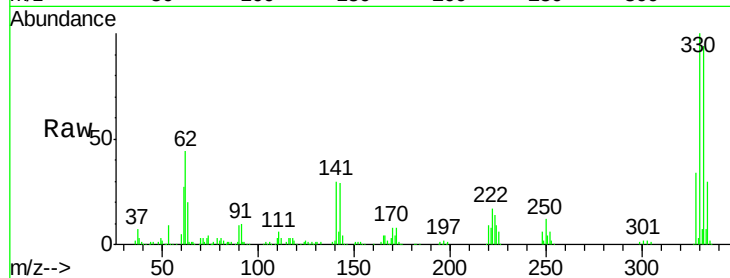
Tot Ion:330 Resp: 190262

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

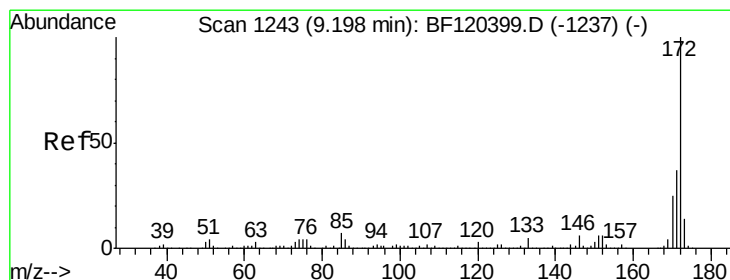
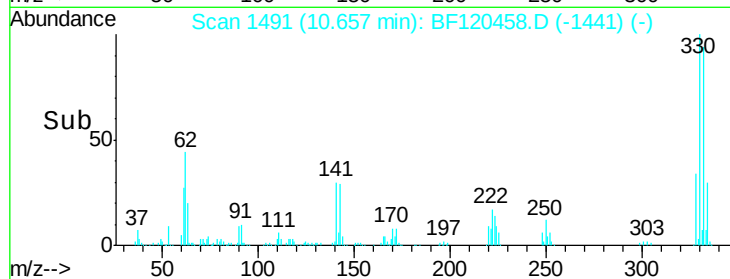
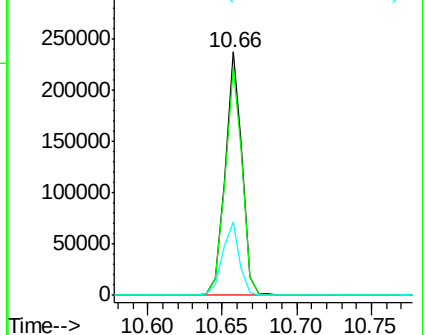
141 30.1 25.3 37.9



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: 38.170 ng

RT: 9.19 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

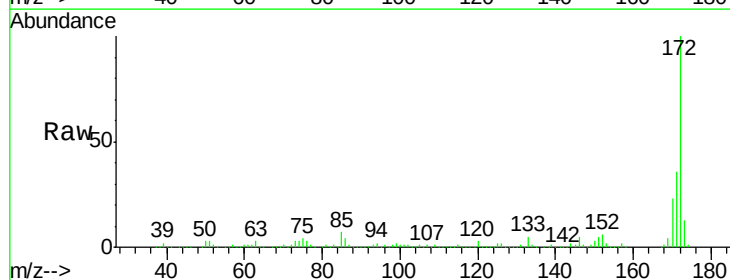
Tgt Ion:172 Resp: 1004447

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

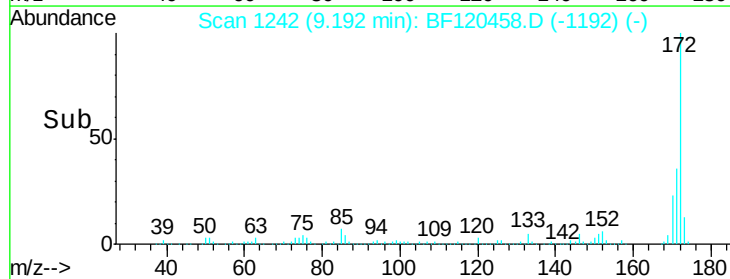
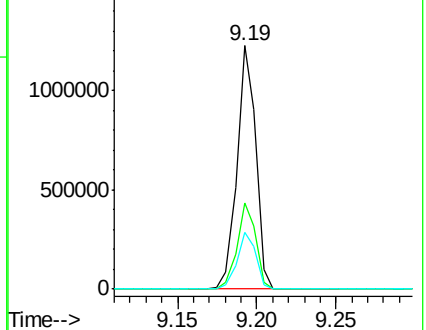
170 23.5 19.9 29.9

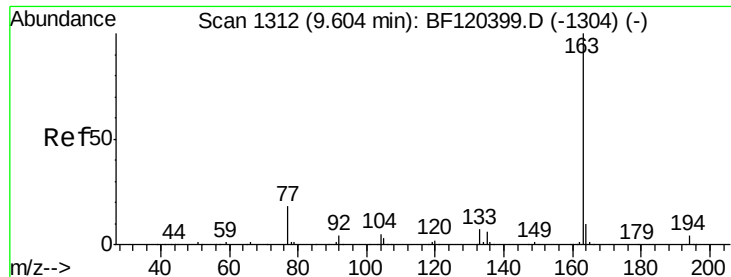


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.486 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :

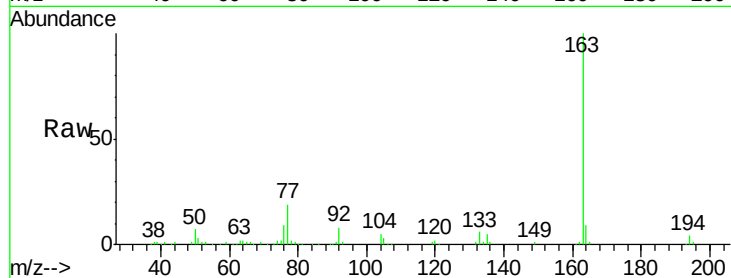
Tot Ion:163 Resp: 125214

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

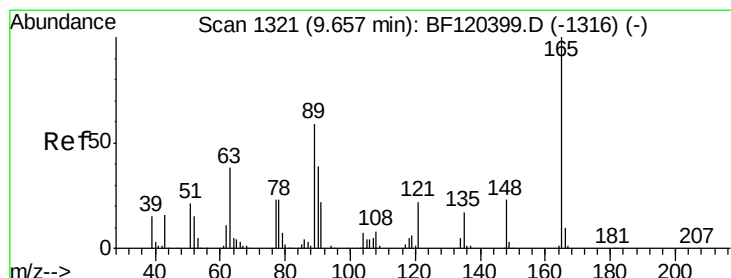
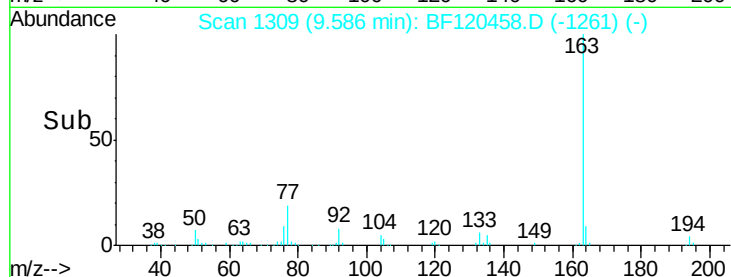
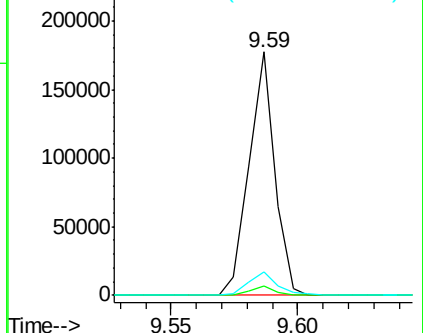
164 9.5 8.3 12.5



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



#51

2,6-Dinitrotoluene

Concen: 9.186 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.21 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

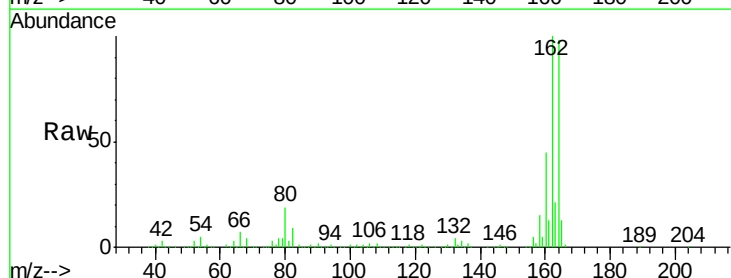
Tgt Ion:165 Resp: 56982

Ion Ratio Lower Upper

165 100

63 1.2 46.9 70.3#

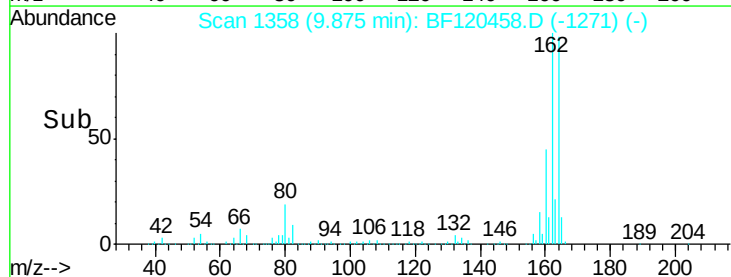
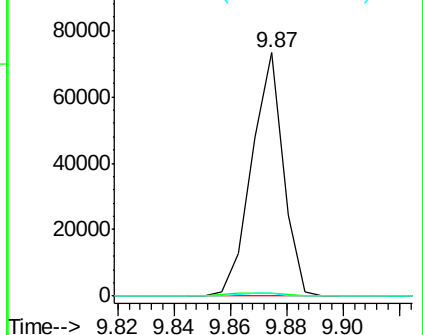
89 1.3 47.5 71.3#

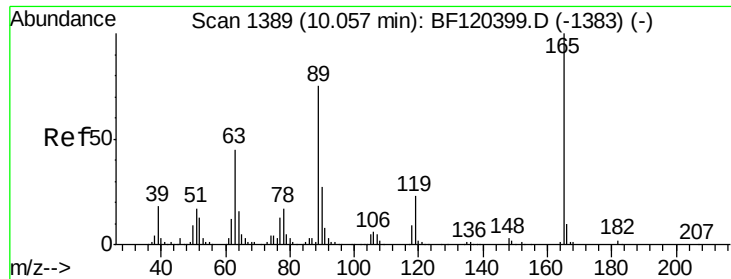


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

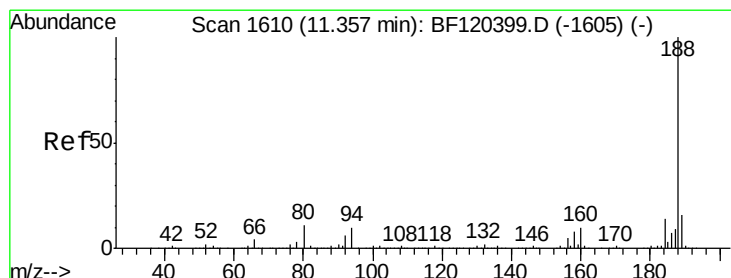
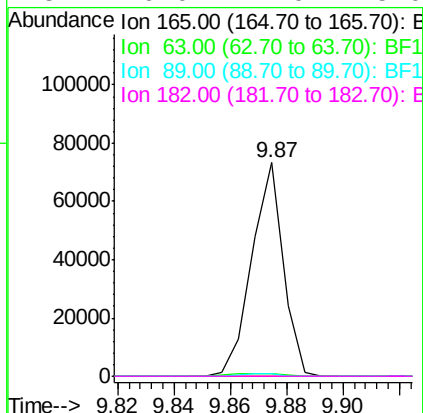
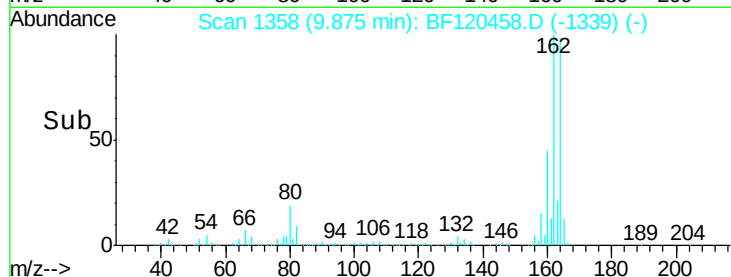
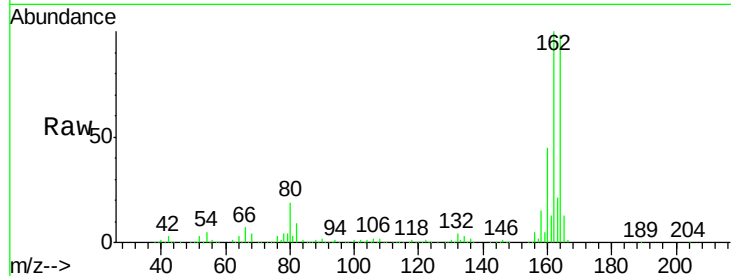




#57
 2,4-Dinitrotoluene
 Concen: 7.177 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120458.D
 Acq: 29 May 2020 23:56

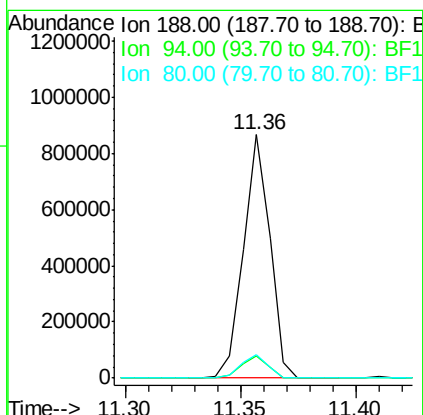
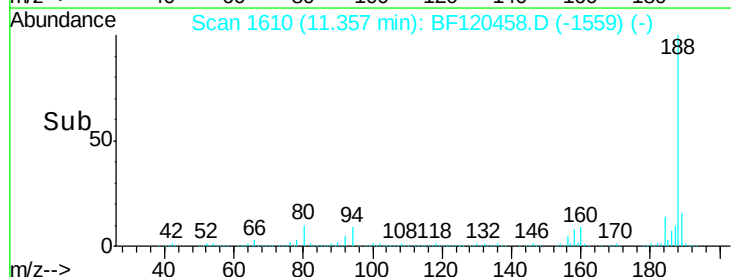
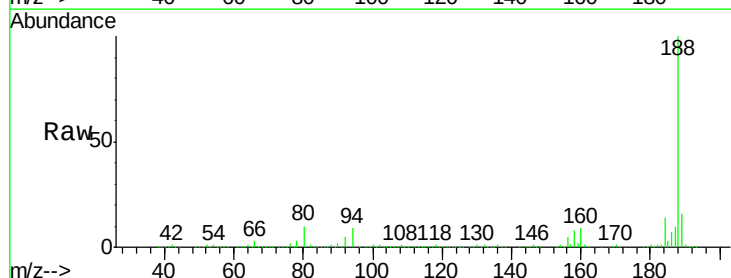
Instrument :
 BNA_F
 ClientSampled :

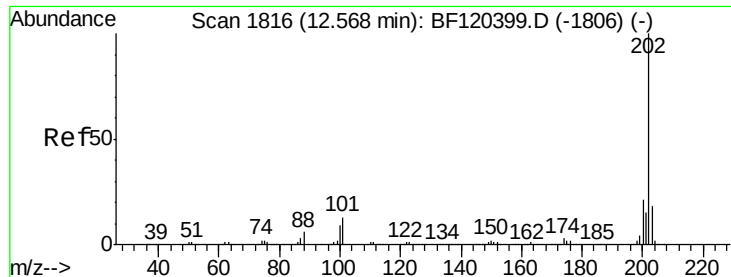
Tot Ion:165	Resp:	56982
Ion Ratio	Lower	Upper
165 100		
63 1.2	35.9	53.9#
89 1.3	60.0	90.0#
182 0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120458.D
 Acq: 29 May 2020 23:56

Tgt Ion:188	Resp:	695172
Ion Ratio	Lower	Upper
188 100		
94 9.3	7.9	11.9
80 9.7	8.6	13.0





#75

Fluoranthene

Concen: 3.019 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :

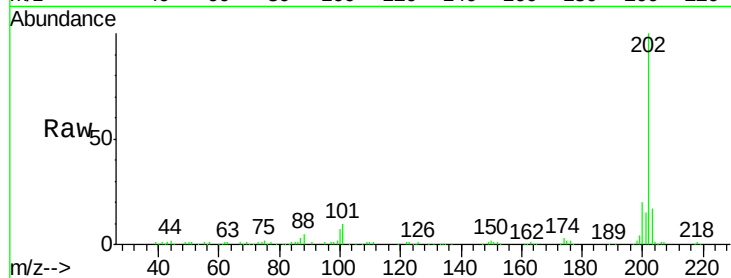
Tot Ion:202 Resp: 99509

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.6

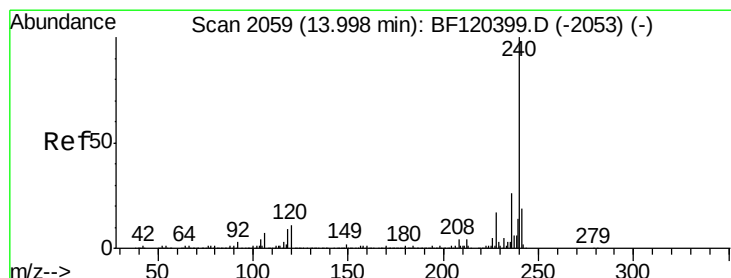
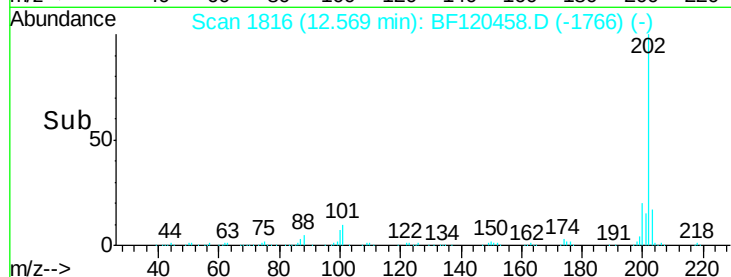
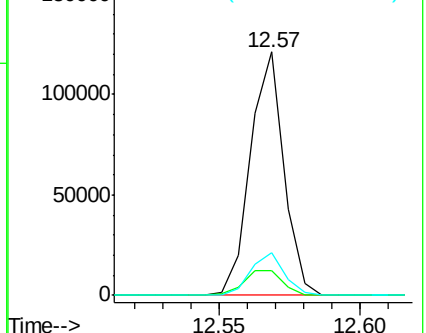
203 17.5 0.0 38.4



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: BF120458.D

Acq: 29 May 2020 23:56

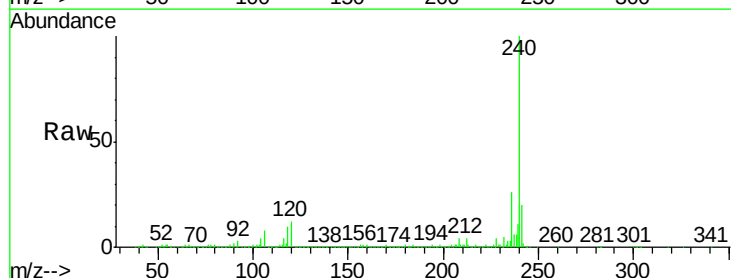
Tgt Ion:240 Resp: 566836

Ion Ratio Lower Upper

240 100

120 12.1 8.8 13.2

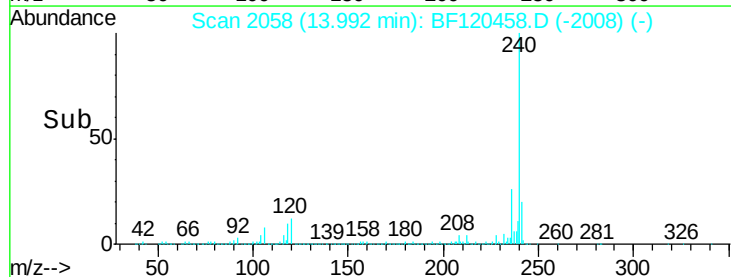
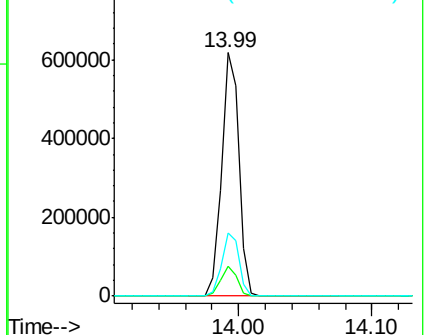
236 26.2 21.0 31.4

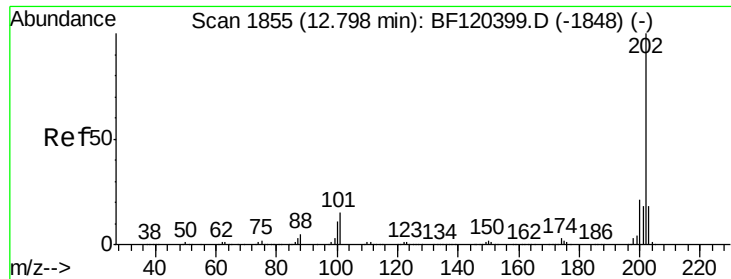


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.497 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampled :

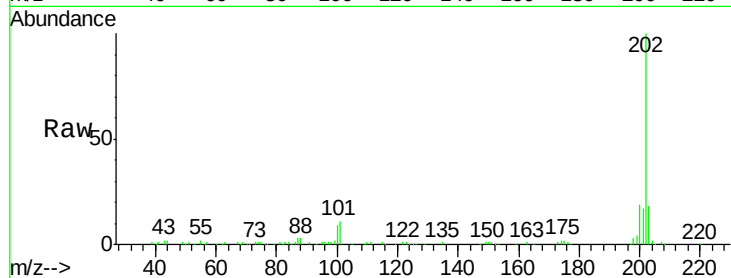
Tot Ion:202 Resp: 98429

Ion Ratio Lower Upper

202 100

200 19.5 17.0 25.4

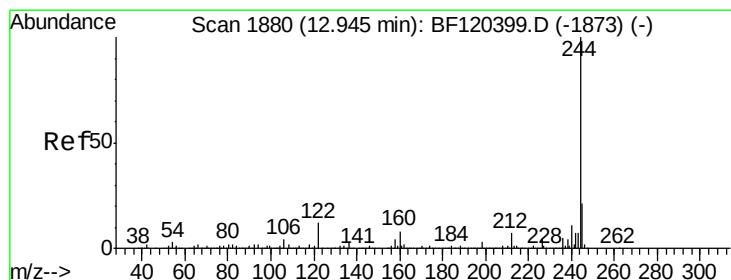
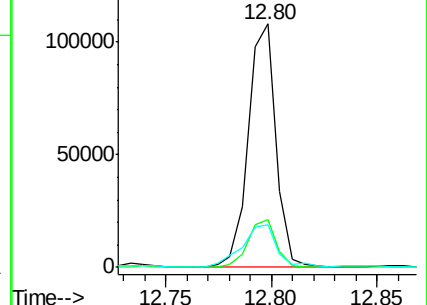
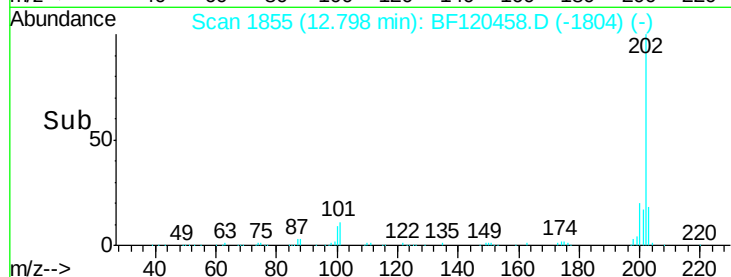
203 17.8 14.7 22.1



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: 32.766 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120458.D

Acq: 29 May 2020 23:56

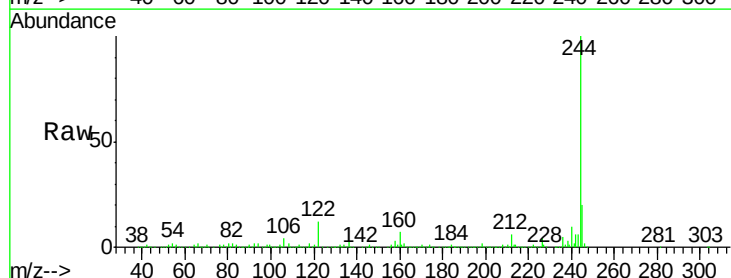
Tgt Ion:244 Resp: 834659

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

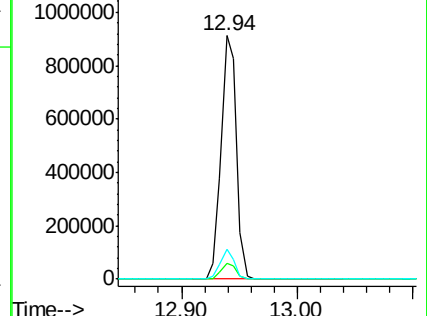
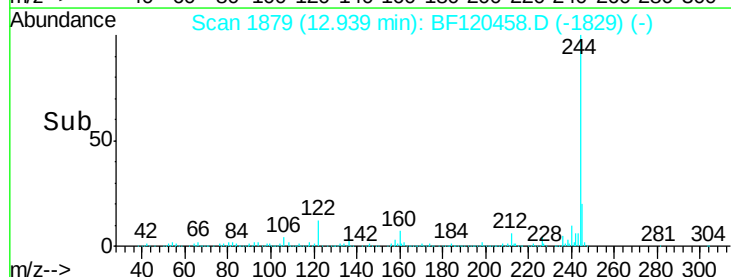
122 12.0 9.2 13.8

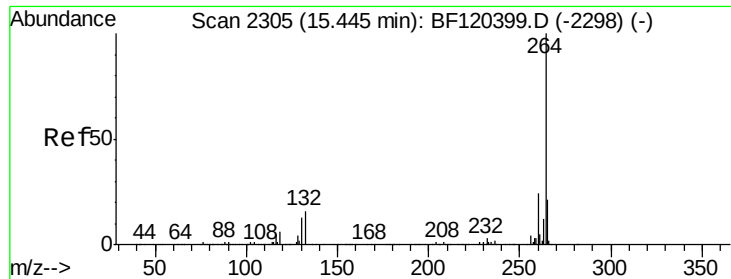


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

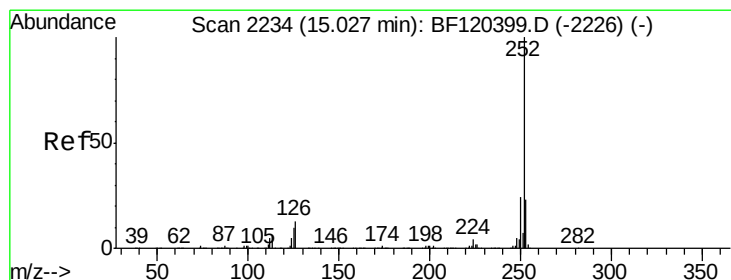
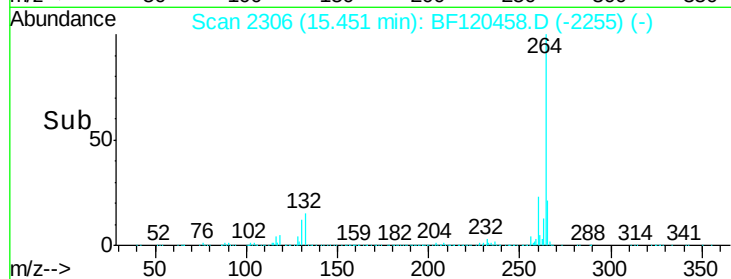
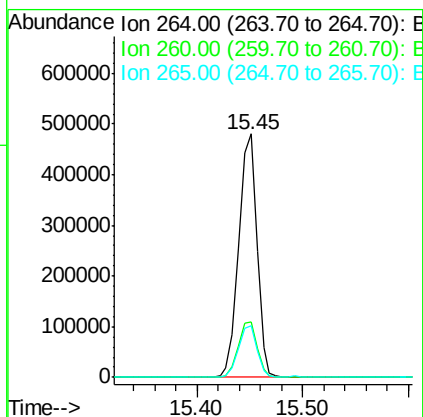
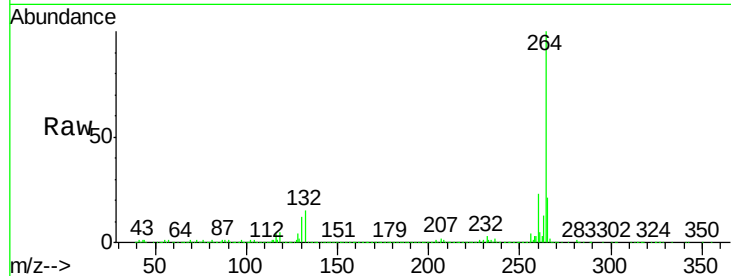




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BF120458.D
Acq: 29 May 2020 23:56

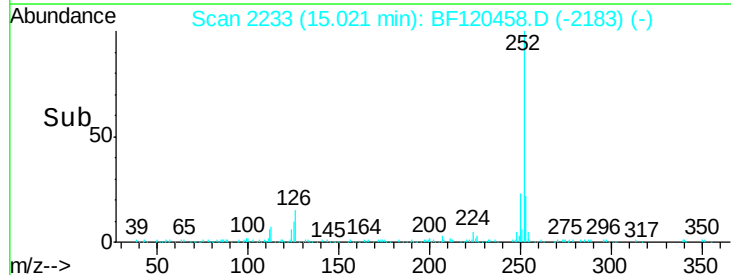
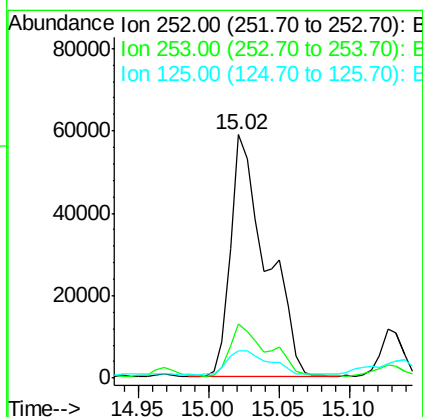
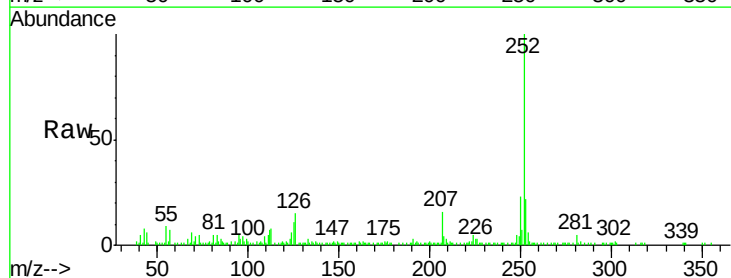
Instrument :
BNA_F
ClientSampleId :

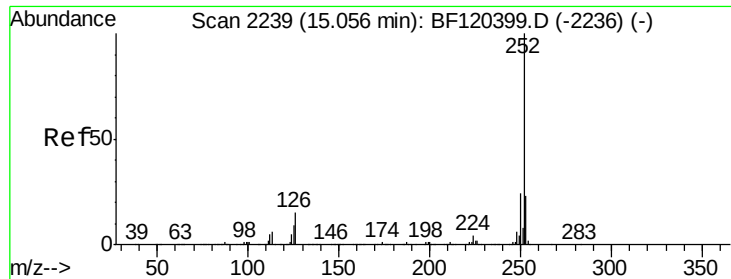
Tot Ion:264 Resp: 568647
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.4 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 3.284 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120458.D
Acq: 29 May 2020 23:56

Tgt Ion:252 Resp: 103715
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.3 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 3.517 ng

RT: 15.02 min Scan# 2233

Delta R.T. -0.04 min

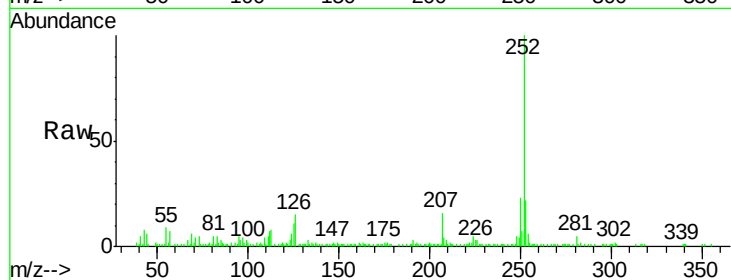
Lab File: BF120458.D

Acq: 29 May 2020 23:56

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	103715
Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.5	27.7
125	11.3	8.0	12.0

