

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120455.D
 Acq On : 29 May 2020 22:34
 Operator : MA/SJ
 Sample : L2773-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:41:40 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	280331	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	995896	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	460474	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	707462	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547524	20.00	ng	0.00
86) Perylene-d12	15.44	264	549737	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1217449	82.76	ng	0.00
7) Phenol-d6	6.46	99	1616619	89.16	ng	0.00
23) Nitrobenzene-d5	7.40	82	1073579	70.52	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	385224	90.29	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1911031	70.42	ng	0.00
79) Terphenyl-d14	12.94	244	1560407	63.42	ng	0.00

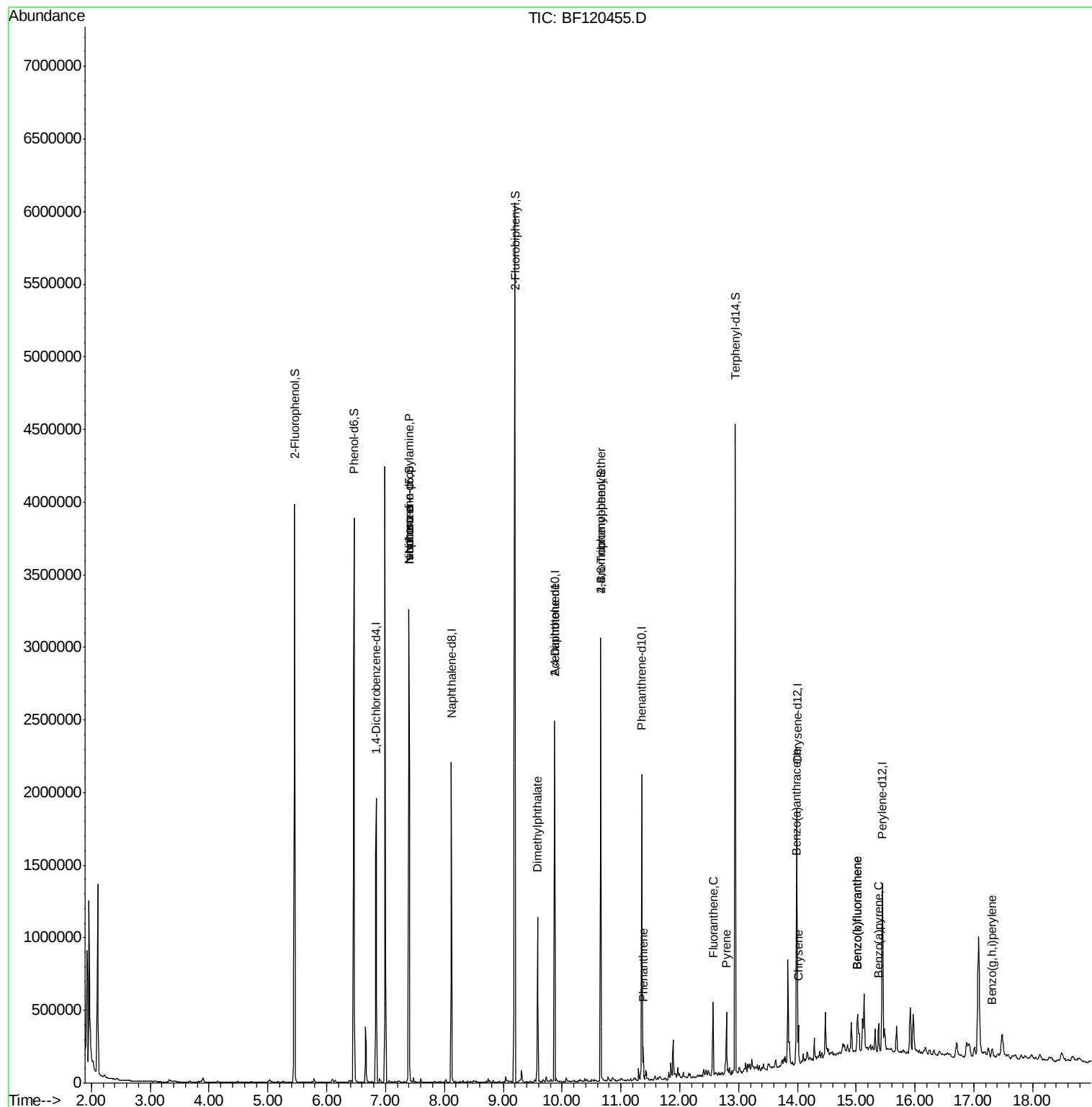
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	143339	12.437	ng	# 78
25) Isophorone	7.40	82	1066316	34.847	ng	# 64
50) Dimethylphthalate	9.59	163	393753	13.678	ng	99
57) 2,4-Dinitrotoluene	9.87	165	58973	7.203	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22862	3.201	ng	# 1
71) Phenanthrene	11.38	178	78731	2.526	ng	97
75) Fluoranthene	12.57	202	192498	5.739	ng	97
78) Pyrene	12.80	202	186227	4.891	ng	97
81) Benzo(a)anthracene	13.98	228	108621	3.702	ng	97
83) Chrysene	14.02	228	101457	3.298	ng	96
88) Benzo(b)fluoranthene	15.02	252	188436	6.171	ng	# 97
89) Benzo(k)fluoranthene	15.02	252	188436	6.611	ng	# 97
90) Benzo(a)pyrene	15.38	252	97707	3.658	ng	98
92) Benzo(a,h,i)perylene	17.31	276	54527	2.255	ng	97

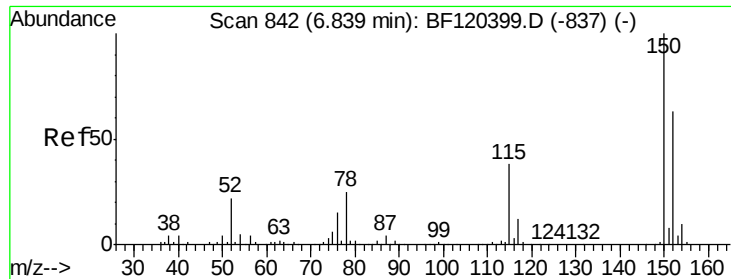
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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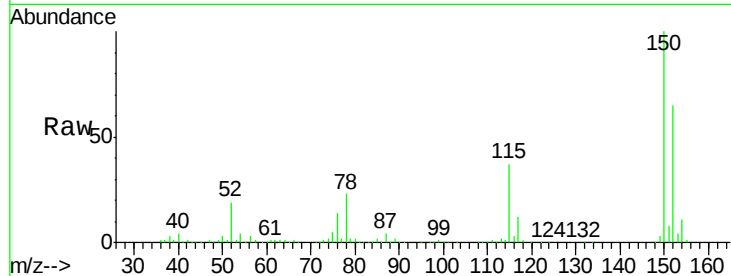


#1

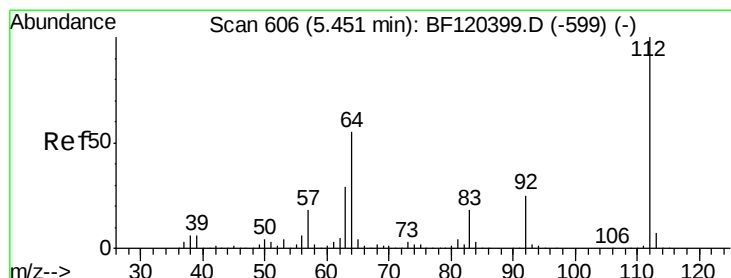
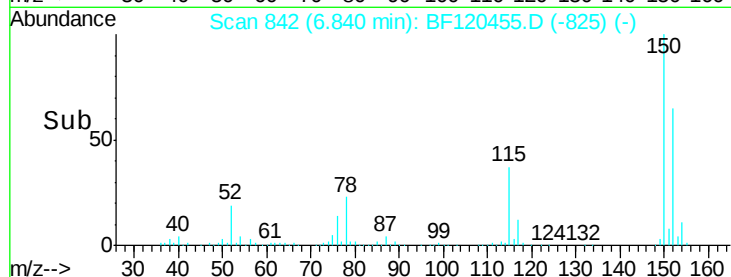
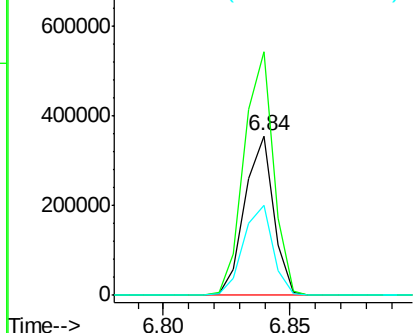
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 280331
Ion Ratio Lower Upper
152 100
150 152.9 126.5 189.7
115 56.3 47.6 71.4



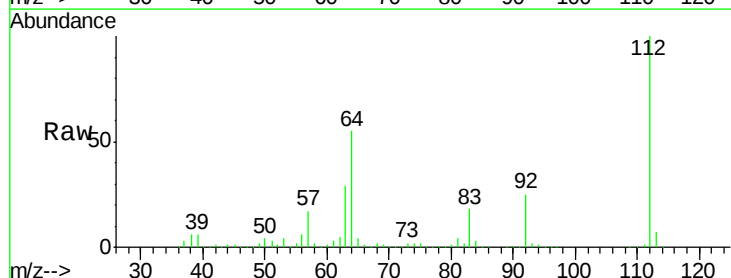
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



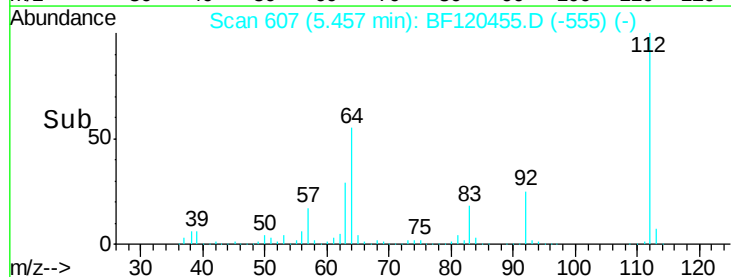
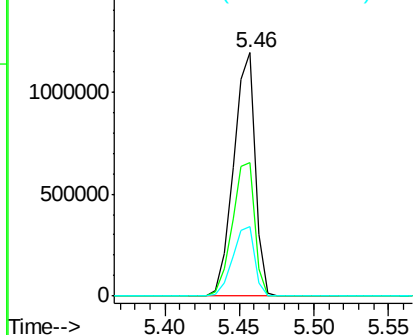
#5

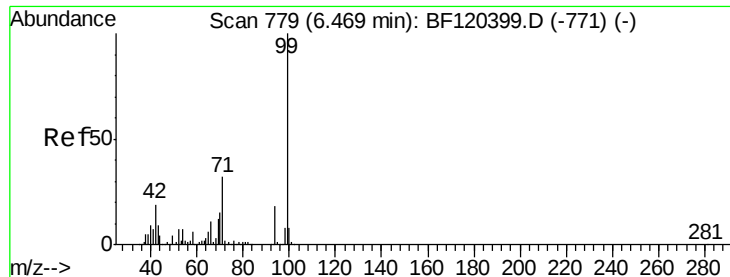
2-Fluorophenol
Concen: 82.765 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion:112 Resp: 1217449
Ion Ratio Lower Upper
112 100
64 55.0 44.3 66.5
63 28.8 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: 89.164 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

Instrument :

BNA_F

ClientSampleId :

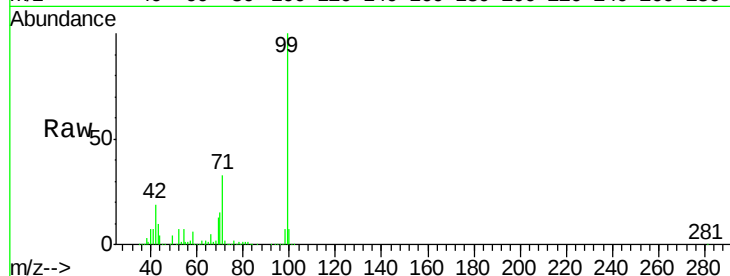
Tot Ion: 99 Resp: 1616619

Ion Ratio Lower Upper

99 100

42 19.2 15.2 22.8

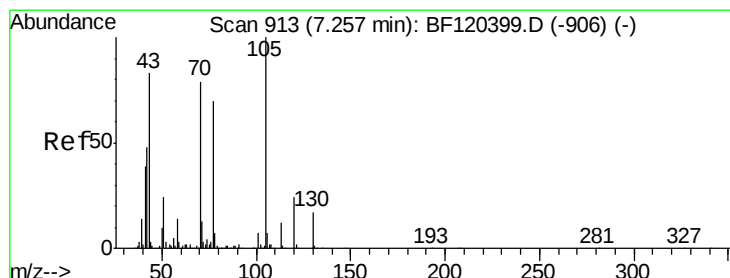
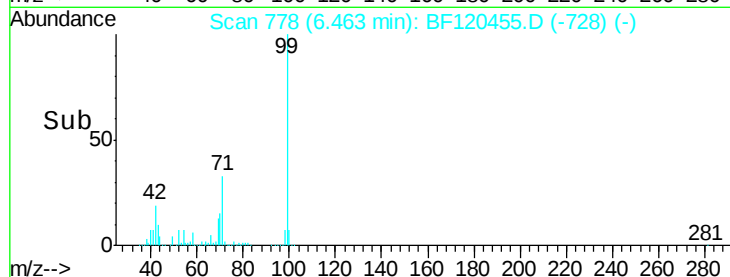
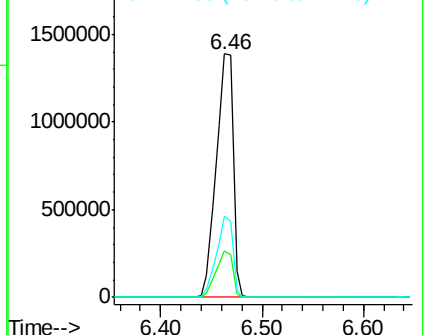
71 33.1 25.6 38.4



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: 12.437 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

Tgt Ion: 70 Resp: 143339

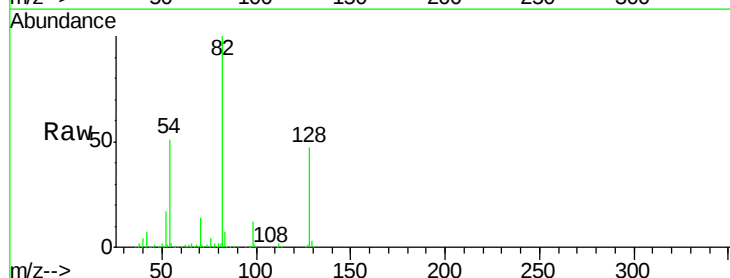
Ion Ratio Lower Upper

70 100

42 49.9 48.9 73.3

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

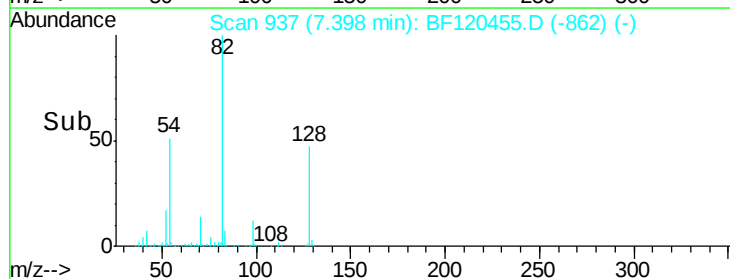
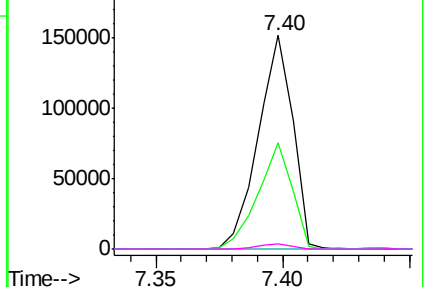


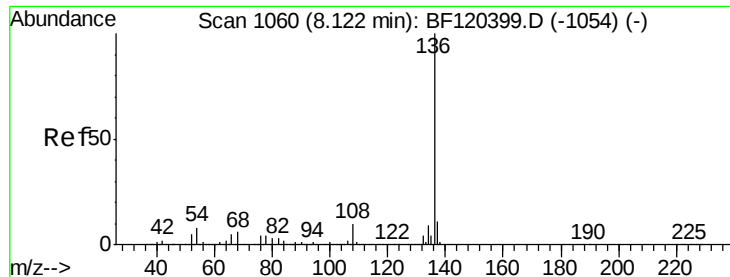
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 995896

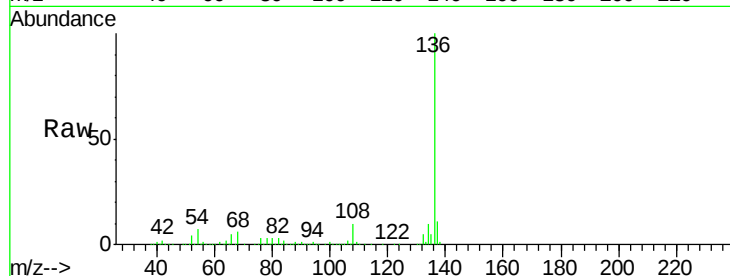
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.0 6.7 10.1

68 5.6 5.0 7.4

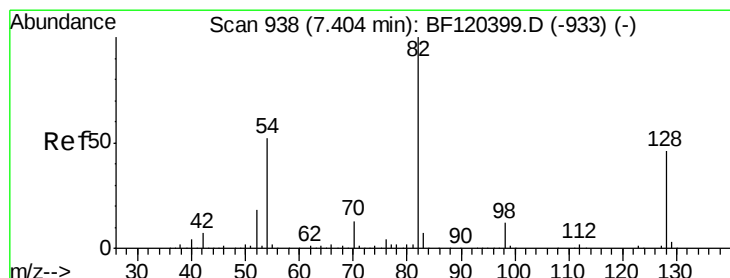
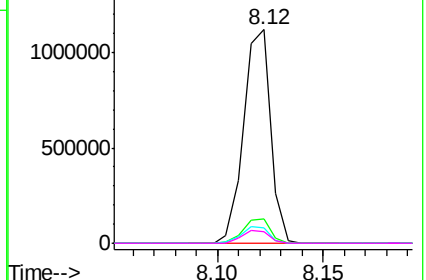
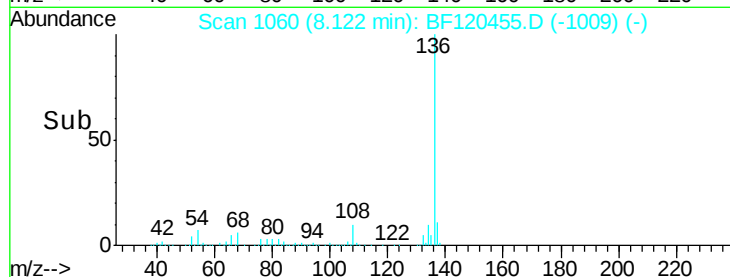


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.516 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

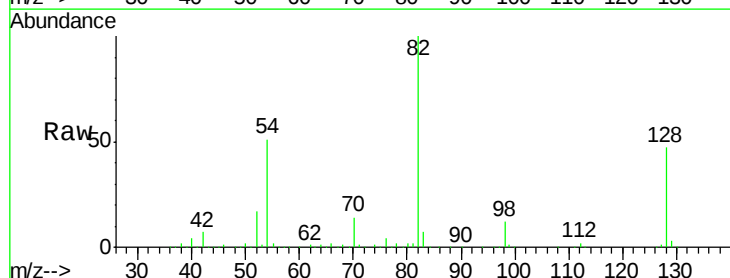
Tgt Ion: 82 Resp: 1073579

Ion Ratio Lower Upper

82 100

128 46.9 36.8 55.2

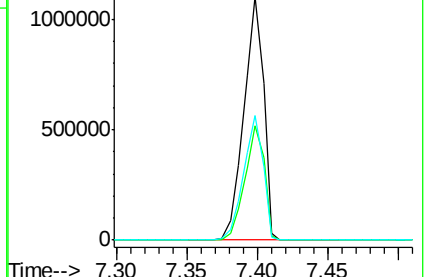
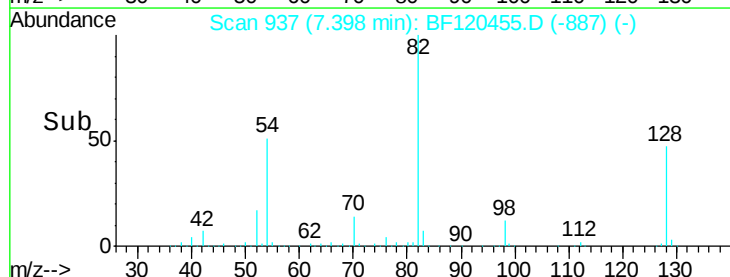
54 51.0 41.6 62.4

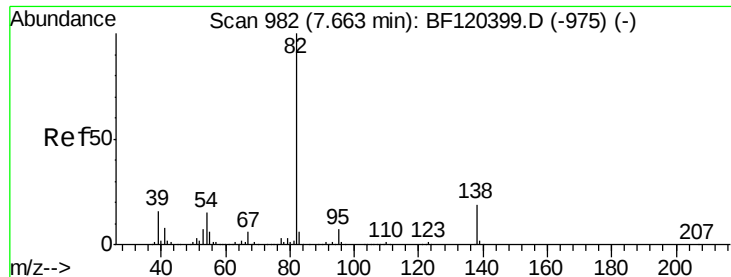


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.847 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

Instrument :

BNA_F

ClientSampled :

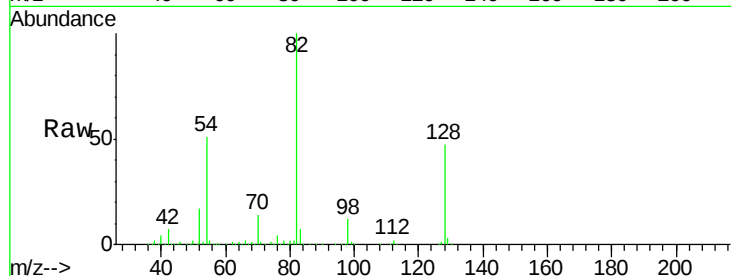
Tot Ion: 82 Resp: 1066316

Ion Ratio Lower Upper

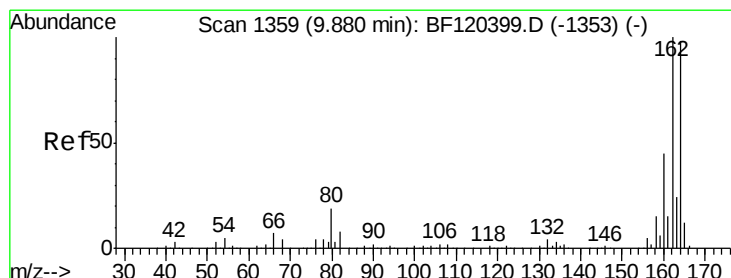
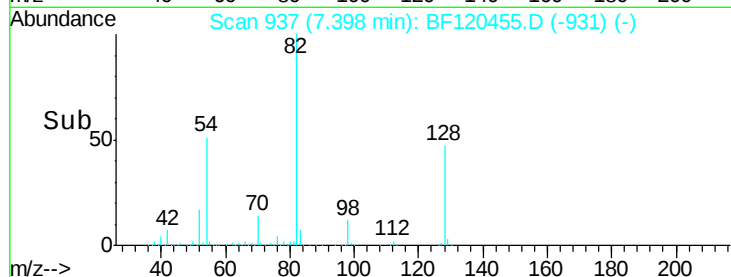
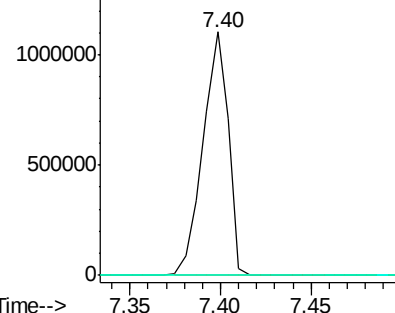
82 100

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: BF120455.D

Acq: 29 May 2020 22:34

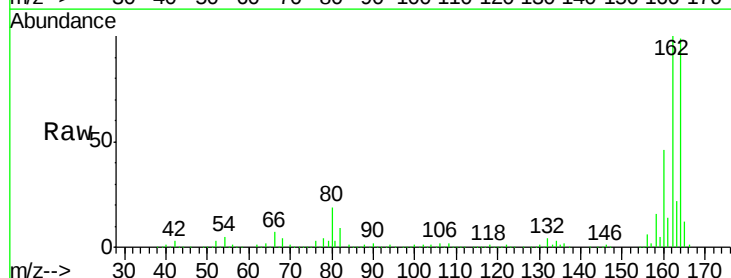
Tgt Ion:164 Resp: 460474

Ion Ratio Lower Upper

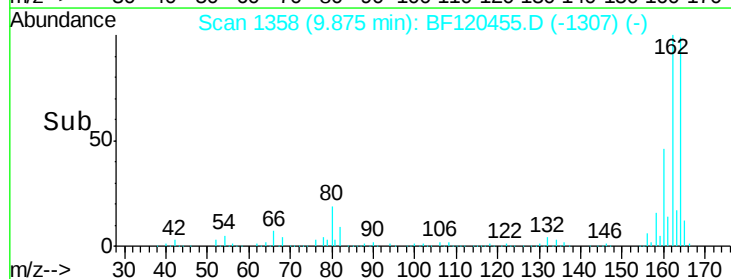
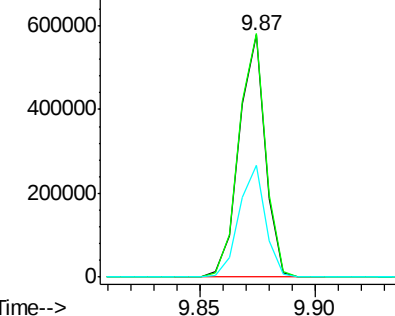
164 100

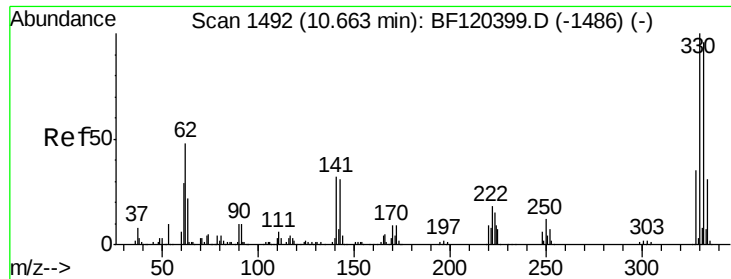
162 100.6 81.3 121.9

160 46.1 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

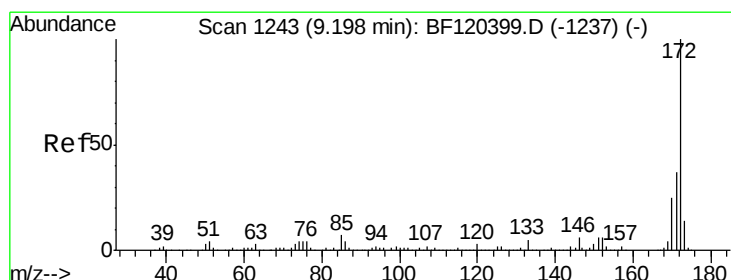
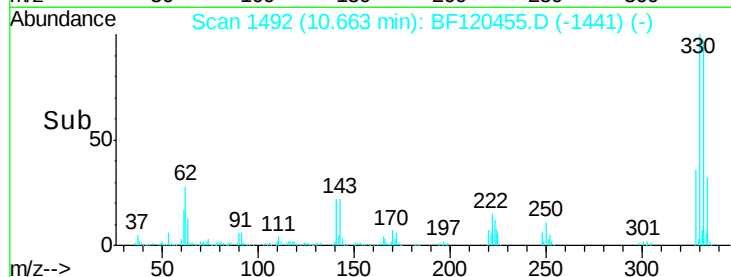
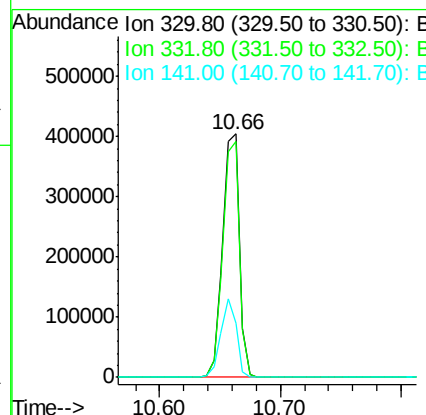
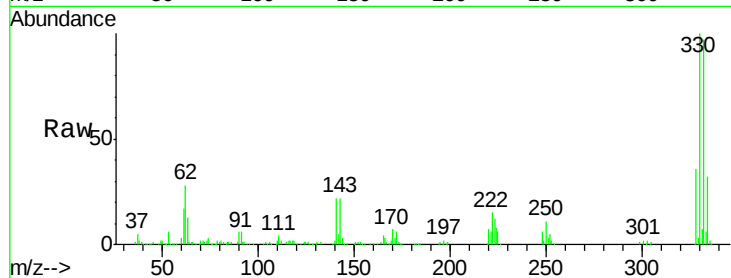




#42
 2,4,6-Tribromophenol
 Concen: 90.291 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120455.D
 Acq: 29 May 2020 22:34

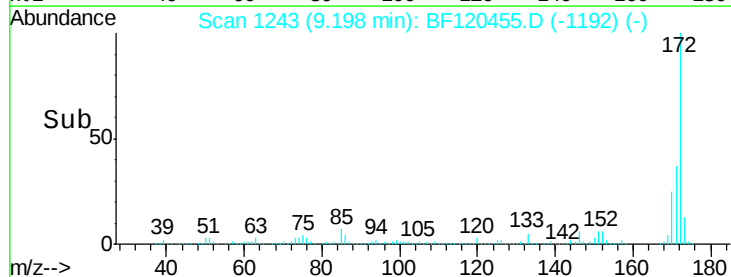
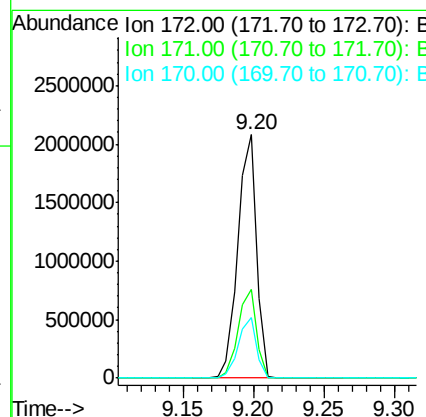
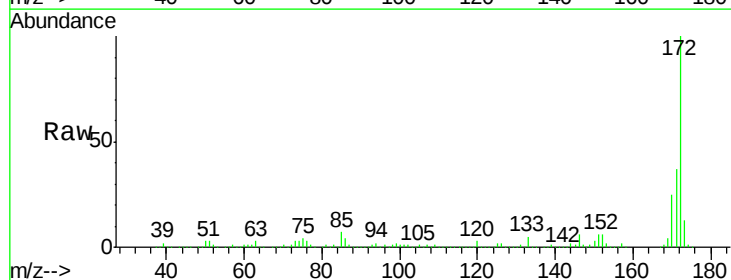
Instrument :
 BNA_F
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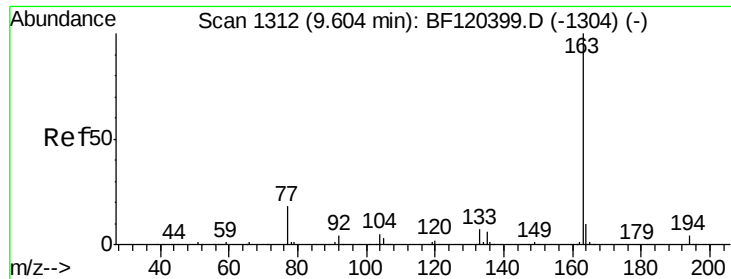
Tot Ion:330 Resp: 385224
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 29.8 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 70.415 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120455.D
 Acq: 29 May 2020 22:34

Tgt Ion:172 Resp: 1911031
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 25.0 19.9 29.9

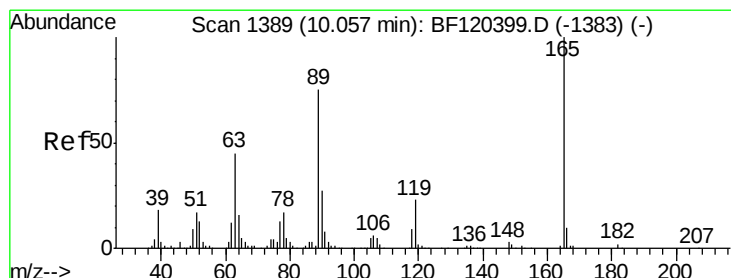
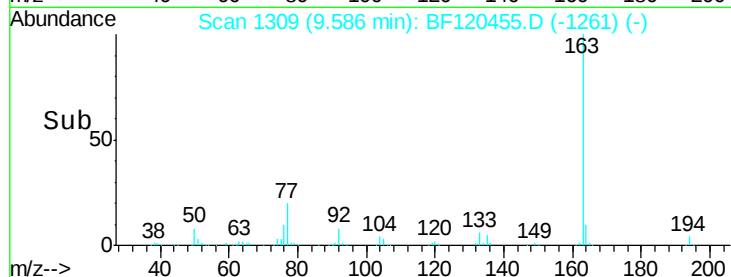
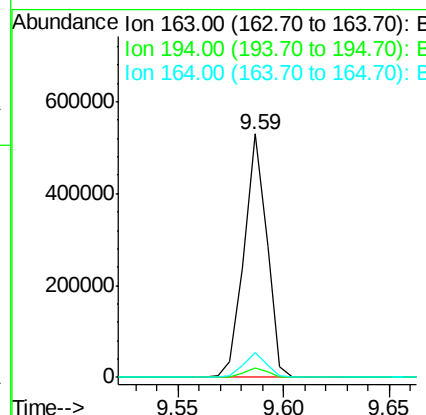
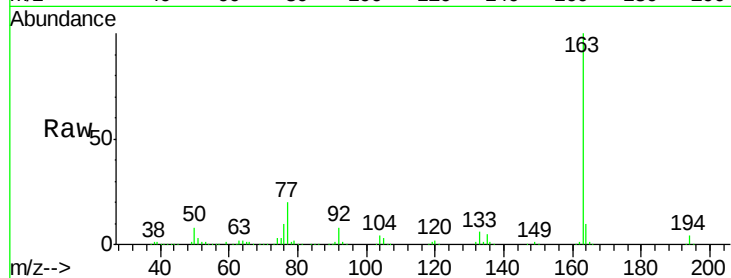




#50
Dimethylphthalate
Concen: 13.678 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

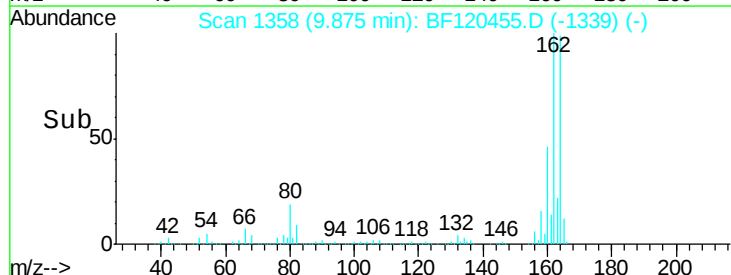
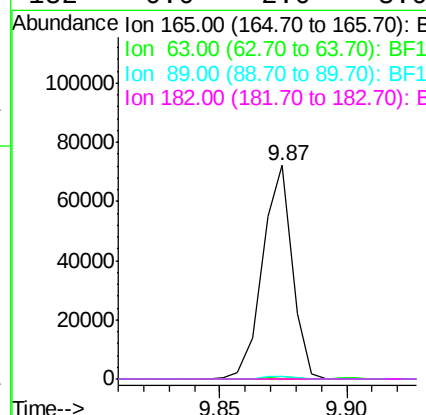
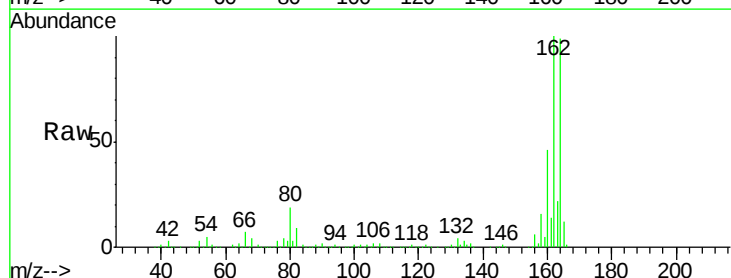
Instrument :
BNA_F
ClientSampleId :

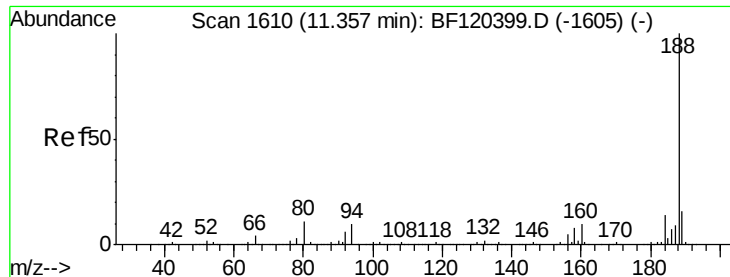
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.2	8.3	12.5



#57
2,4-Dinitrotoluene
Concen: 7.203 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.9	53.9#
89	1.4	60.0	90.0#
182	0.0	2.0	3.0#

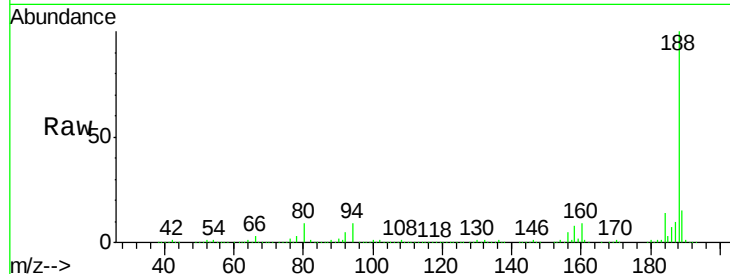




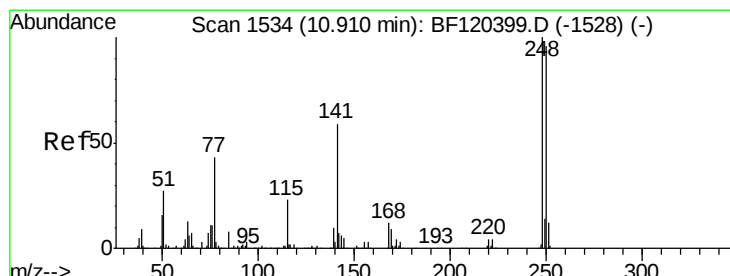
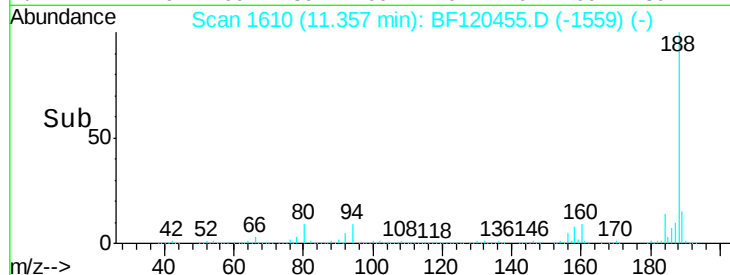
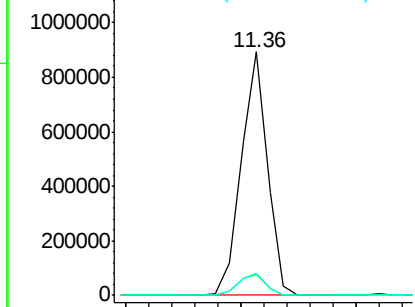
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120455.D
 Acq: 29 May 2020 22:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.9	11.9
80	9.3	8.6	13.0

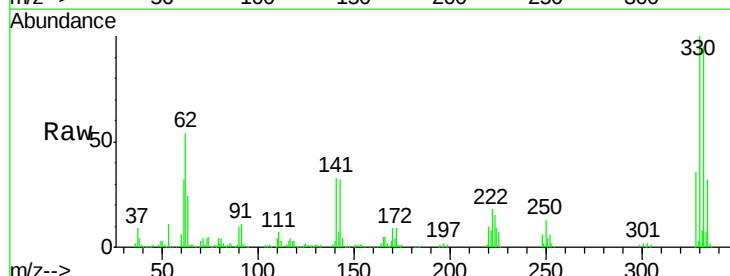


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

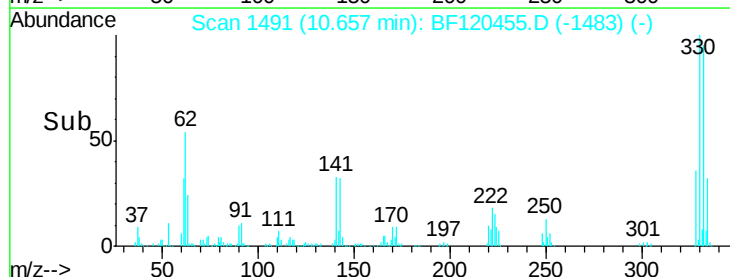
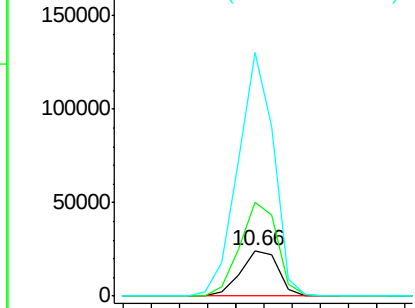


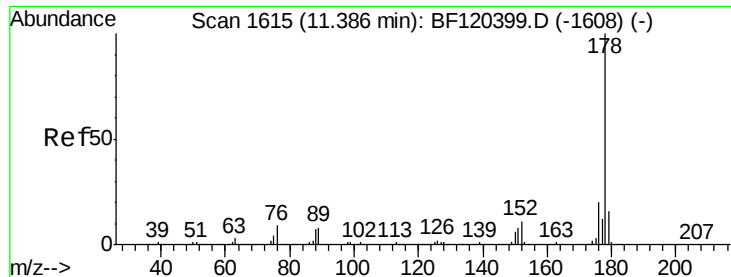
#67
 4-Bromophenyl-phenylether
 Concen: 3.201 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120455.D
 Acq: 29 May 2020 22:34

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.3	76.5	114.7#
141	531.1	47.2	70.8#



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

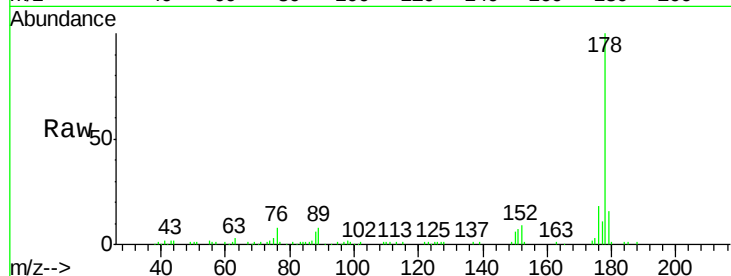




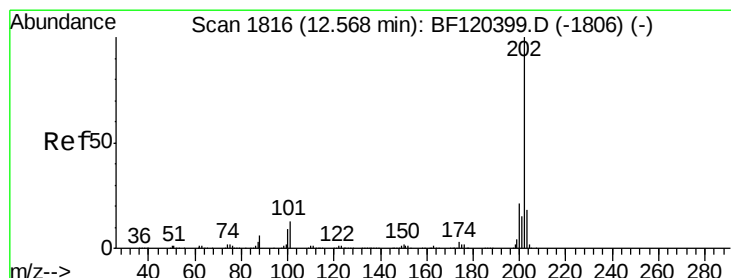
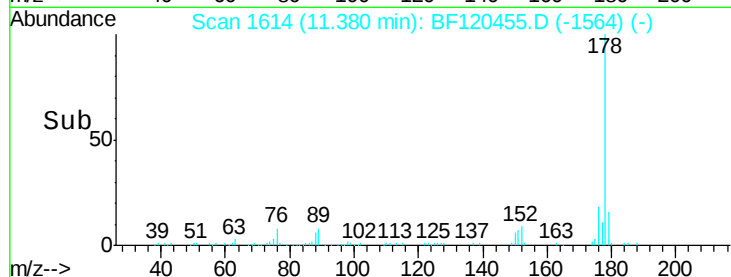
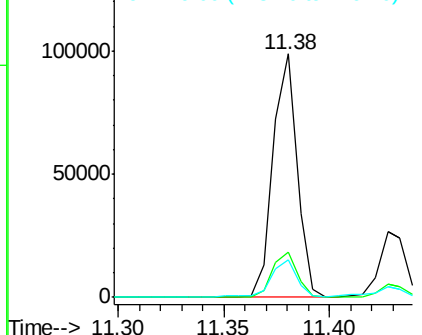
#71
Phenanthrene
Concen: 2.526 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 78731
Ion Ratio Lower Upper
178 100
176 18.5 16.4 24.6
179 15.5 13.0 19.4

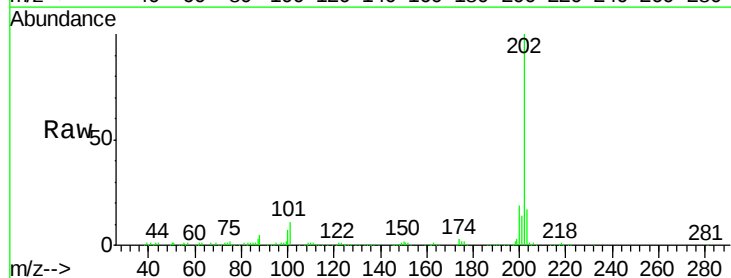


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

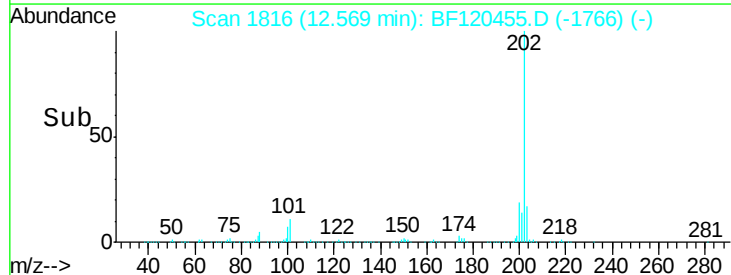
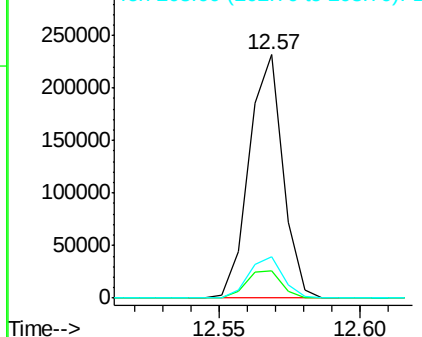


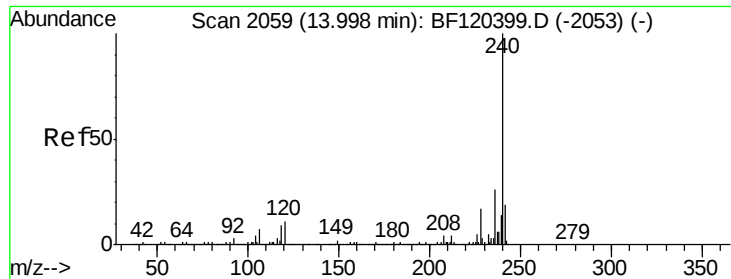
#75
Fluoranthene
Concen: 5.739 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion:202 Resp: 192498
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.6
203 17.2 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

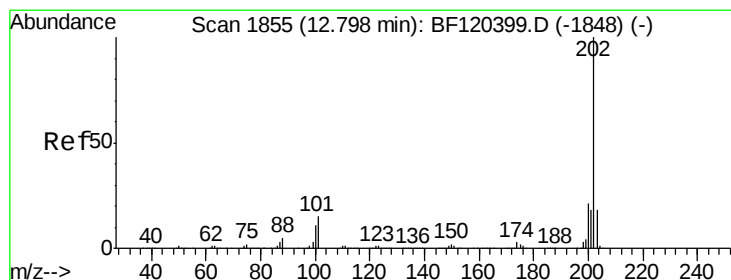
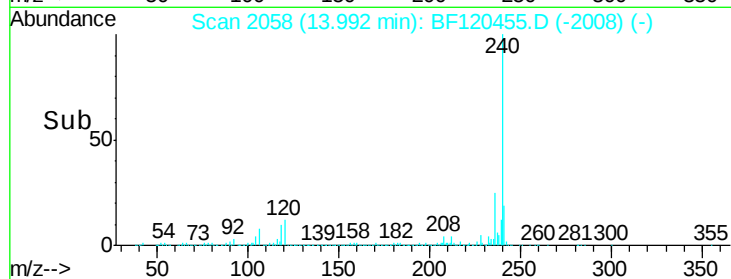
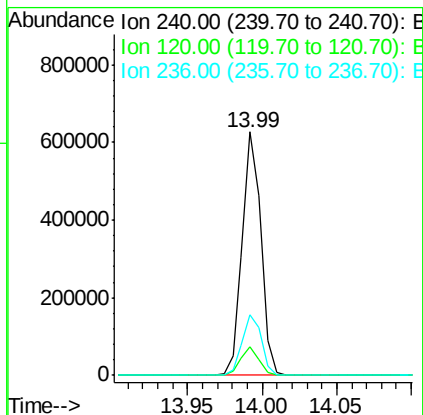
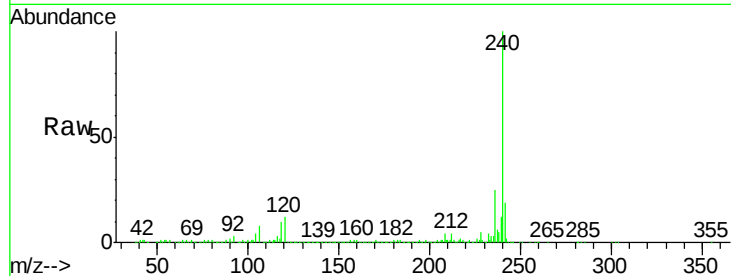




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

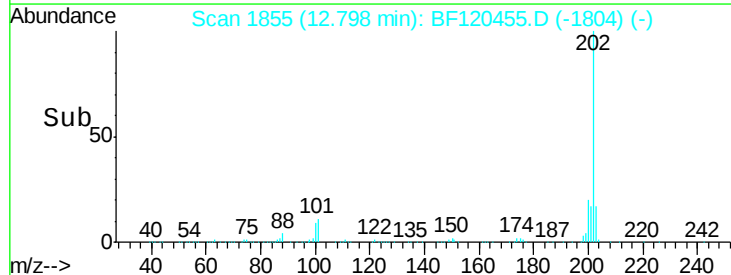
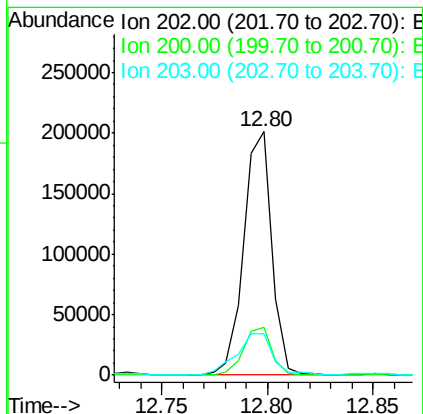
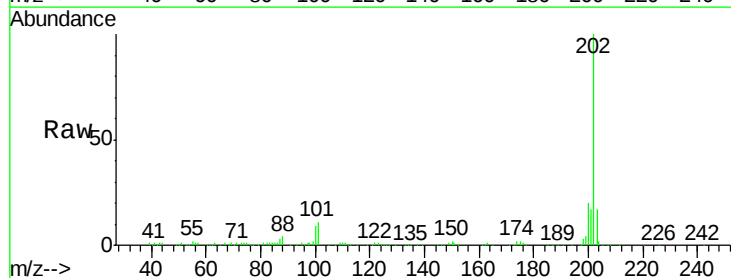
Instrument :
BNA_F
ClientSampleId :

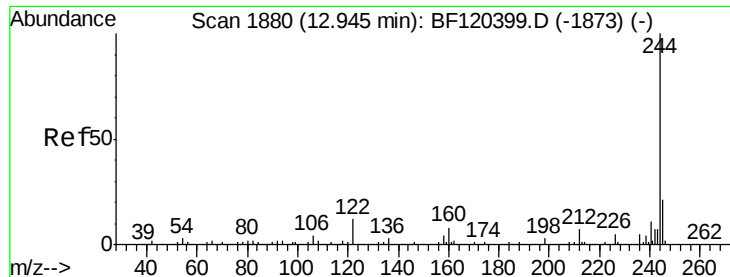
Tot Ion:240 Resp: 547524
Ion Ratio Lower Upper
240 100
120 11.8 8.8 13.2
236 25.1 21.0 31.4



#78
Pyrene
Concen: 4.891 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion:202 Resp: 186227
Ion Ratio Lower Upper
202 100
200 19.6 17.0 25.4
203 17.1 14.7 22.1





#79

Terphenyl-d14

Concen: 63.418 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

Instrument :

BNA_F

ClientSampleId :

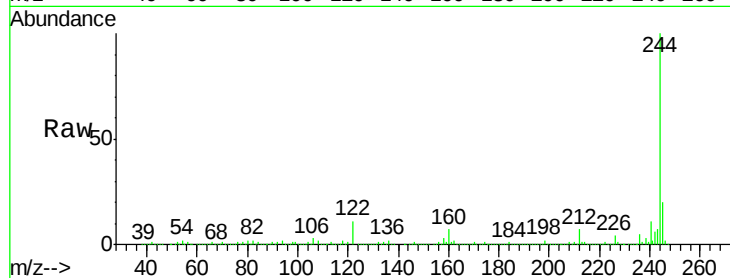
Tot Ion:244 Resp: 1560407

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

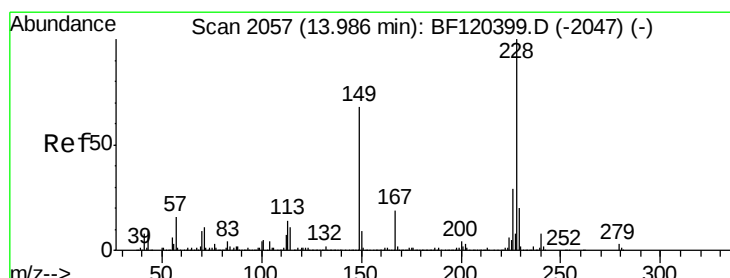
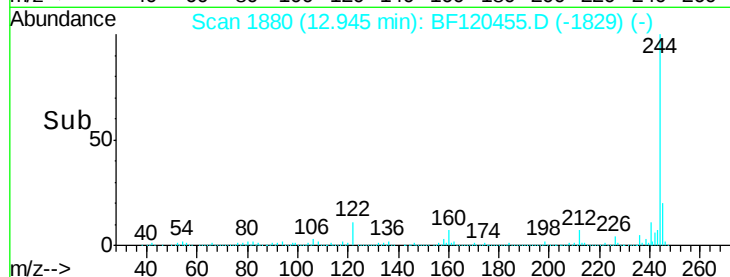
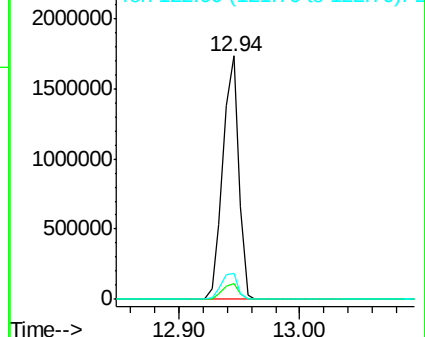
122 10.7 9.2 13.8



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



#81

Benzo(a)anthracene

Concen: 3.702 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120455.D

Acq: 29 May 2020 22:34

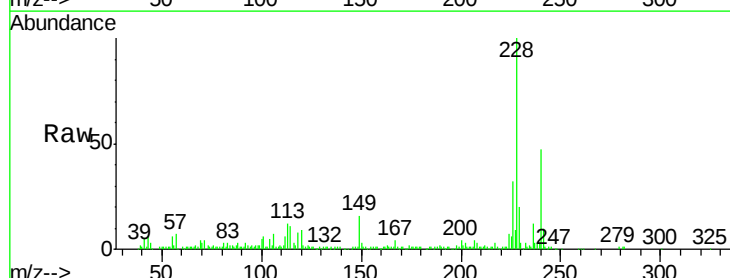
Tgt Ion:228 Resp: 108621

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.4

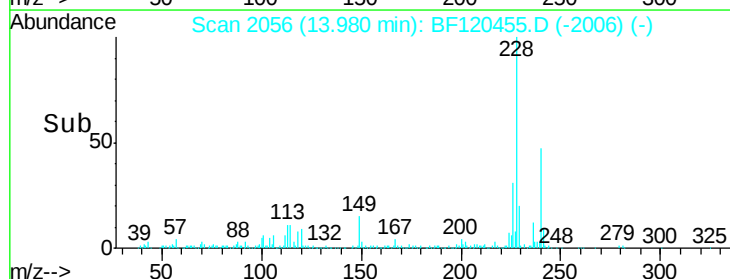
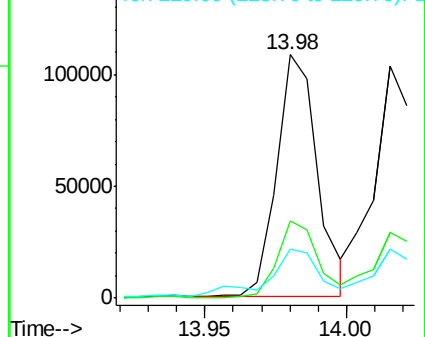
229 20.3 16.2 24.4

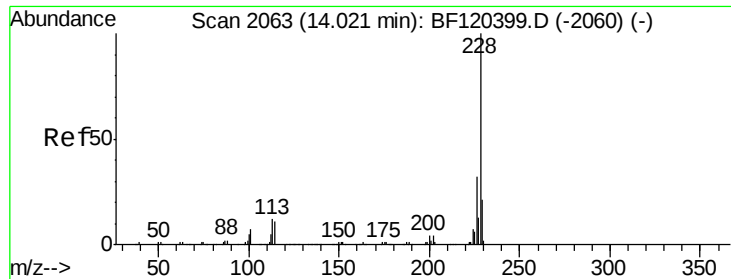


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

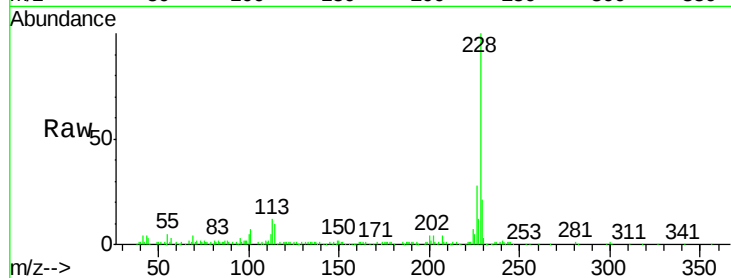




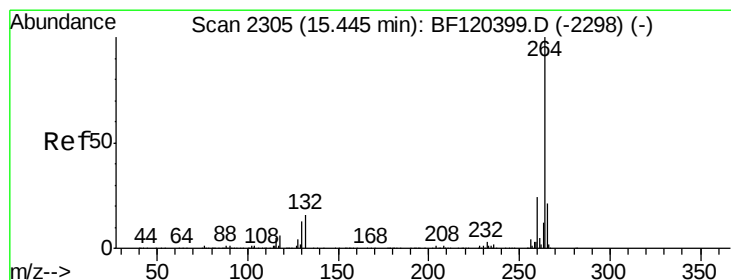
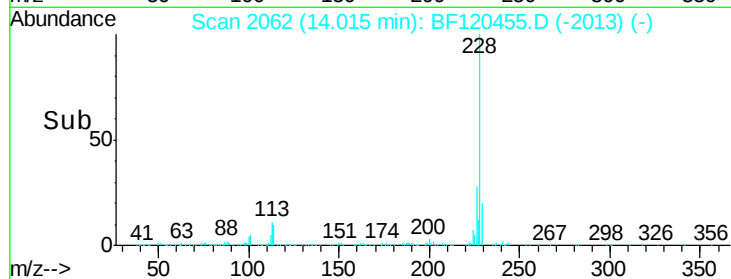
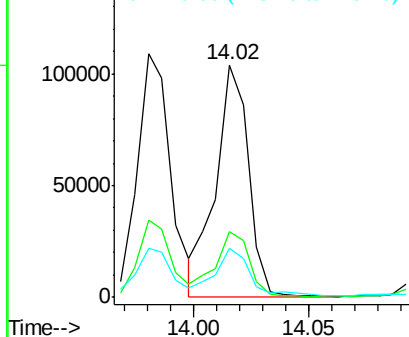
#83
Chrysene
Concen: 3.298 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.6	38.4
229	21.0	16.6	25.0

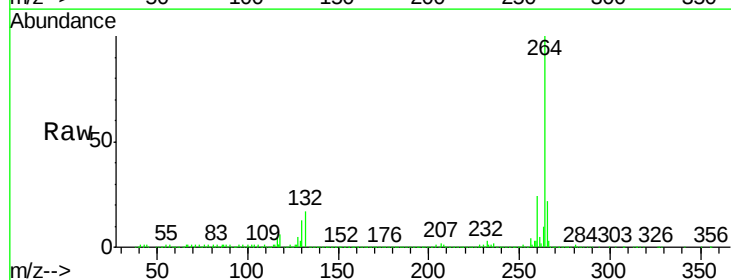


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

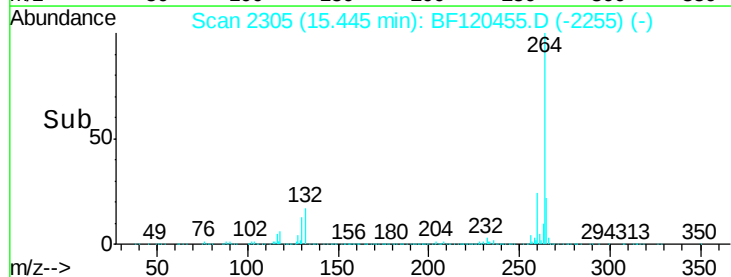
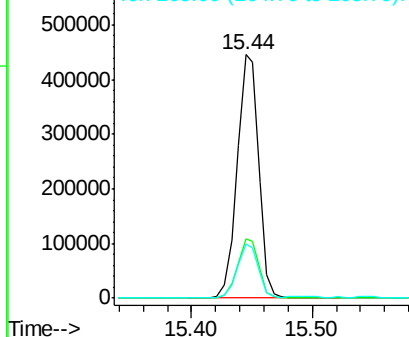


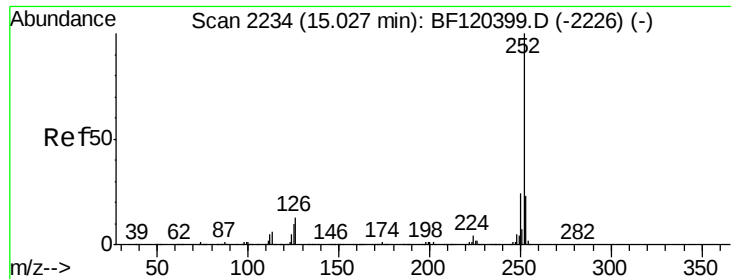
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	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

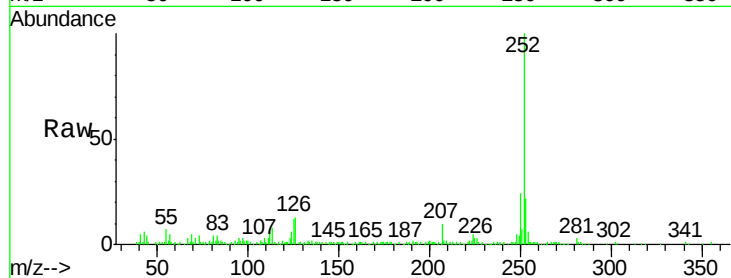




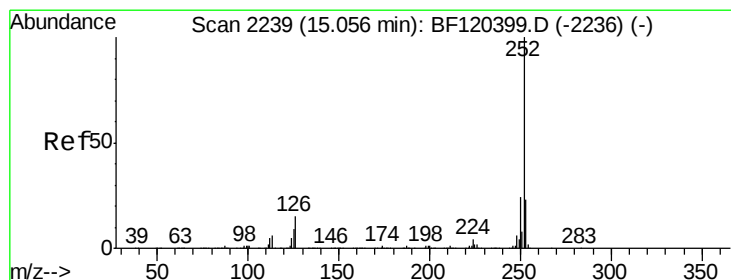
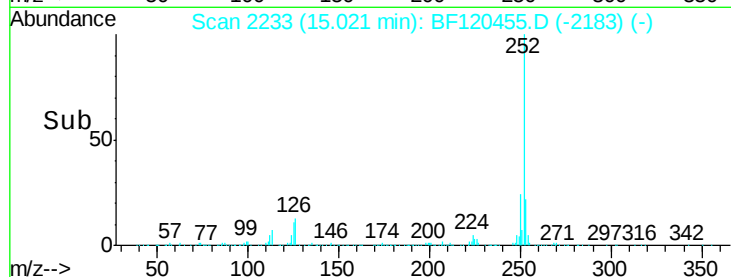
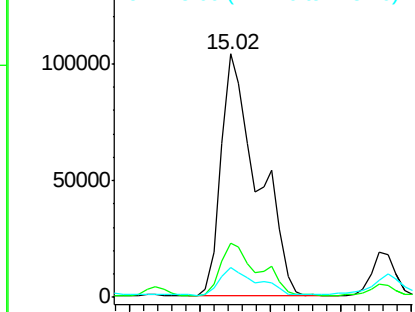
#88
Benzo(b)fluoranthene
Concen: 6.171 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.4	7.8	11.8

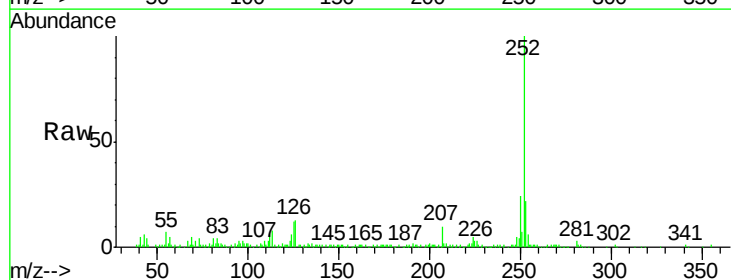


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

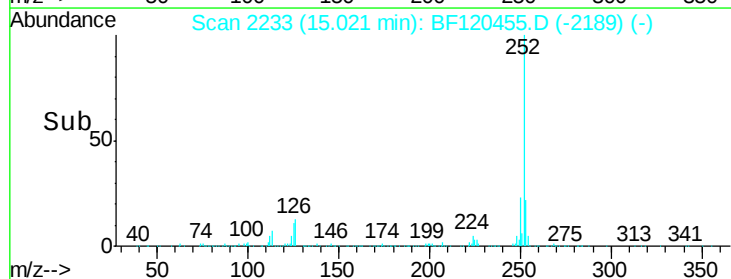
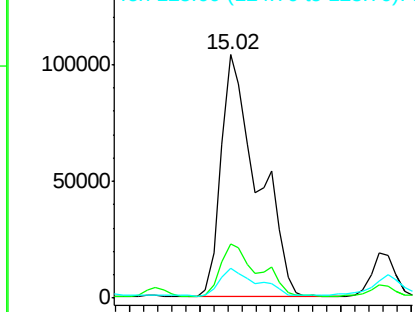


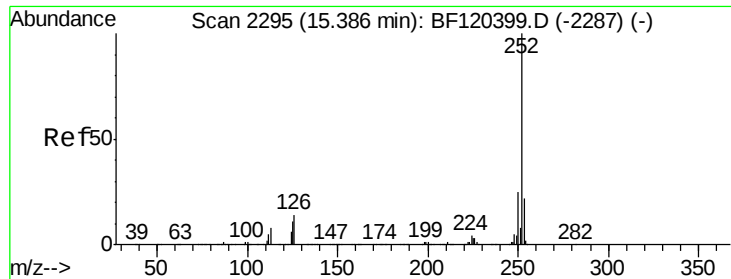
#89
Benzo(k)fluoranthene
Concen: 6.611 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.5	27.7
125	12.4	8.0	12.0



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

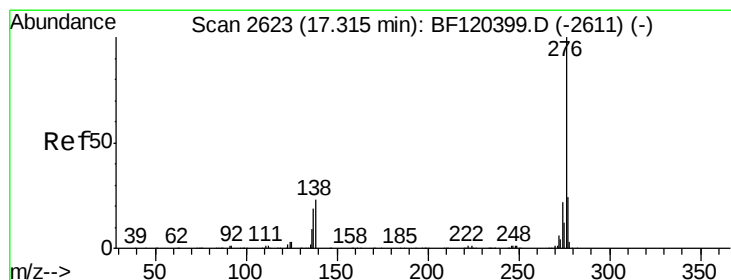
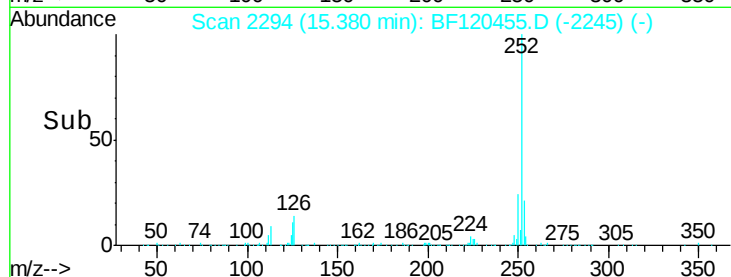
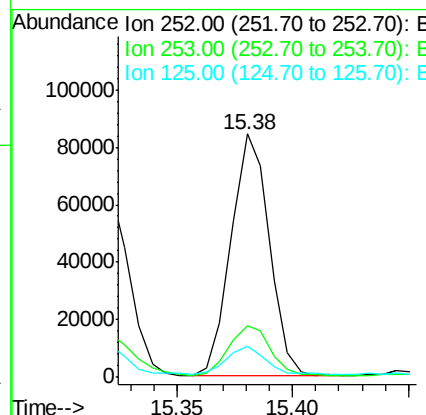
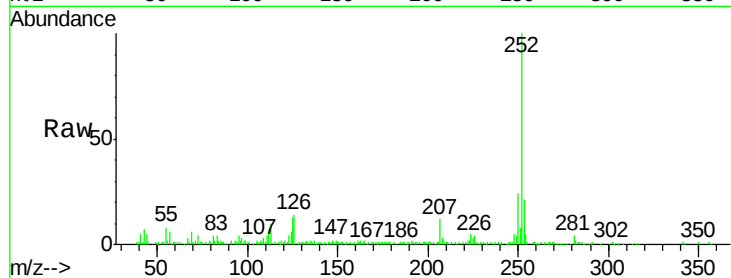




#90
Benzo(a)pyrene
Concen: 3.658 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 97707
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 12.9 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 2.255 ng
RT: 17.31 min Scan# 2622
Delta R.T. -0.02 min
Lab File: BF120455.D
Acq: 29 May 2020 22:34

Tgt Ion:276 Resp: 54527
Ion Ratio Lower Upper
276 100
277 23.2 19.5 29.3
138 20.8 18.1 27.1

