

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121013.D
 Acq On : 24 Jul 2020 20:20
 Operator : JU/CG
 Sample : L3383-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:49:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	145875	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	502431	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	248418	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	421295	20.00	ng	0.00
76) Chrysene-d12	13.97	240	364470	20.00	ng	0.00
86) Perylene-d12	15.42	264	404554	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	698801	78.53	ng	0.00
7) Phenol-d6	6.45	99	817988	71.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	500969	57.69	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	189556	69.71	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	986857	59.31	ng	0.00
79) Terphenyl-d14	12.92	244	815452	48.64	ng	0.00

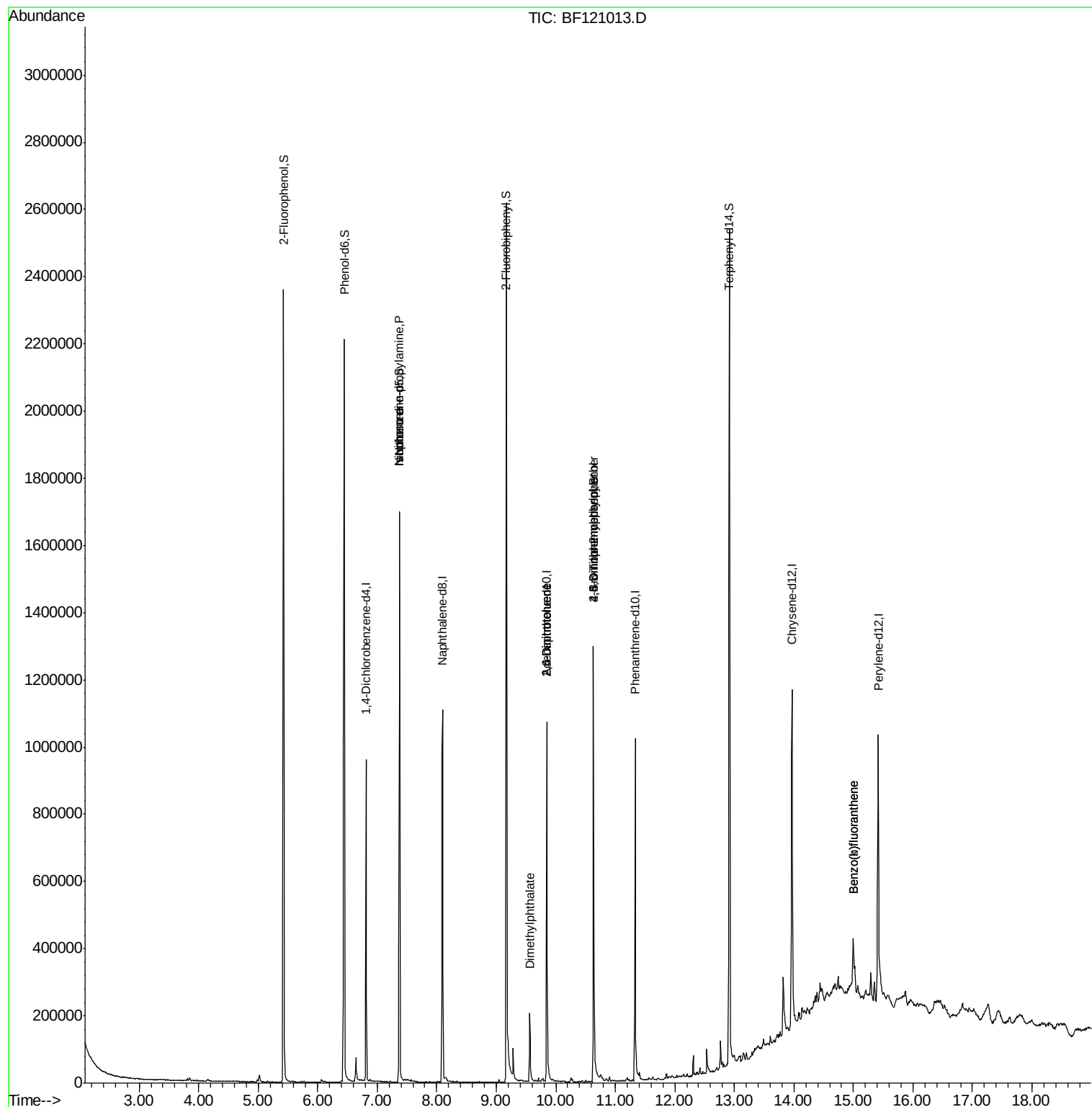
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1224	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	66067	10.108	ng	# 79
25) Isophorone	7.37	82	495838	28.612	ng	# 63
50) Dimethylphthalate	9.56	163	92594	5.167	ng	# 98
51) 2,6-Dinitrotoluene	9.85	165	31569	8.199	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	31850	6.299	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.63	198	288	3.951	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	11250	2.395	ng	# 1
88) Benzo(b)fluoranthene	15.00	252	97209	3.975	ng	# 95
89) Benzo(k)fluoranthene	15.00	252	97209	4.359	ng	# 96

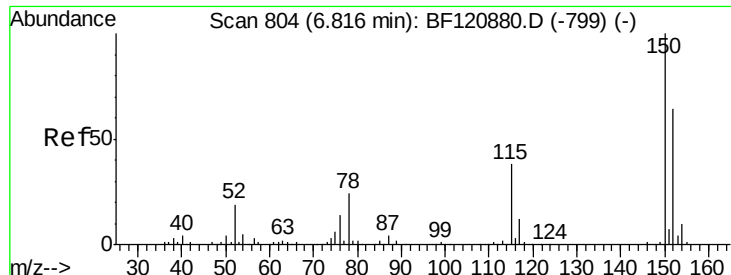
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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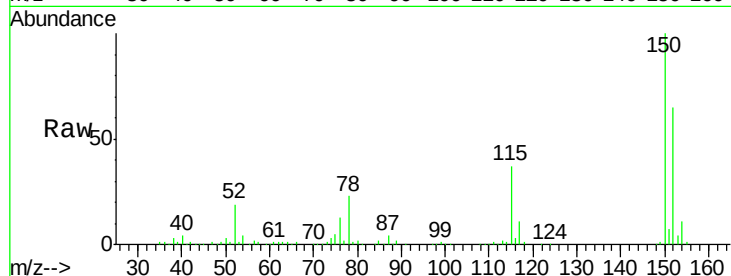


#1

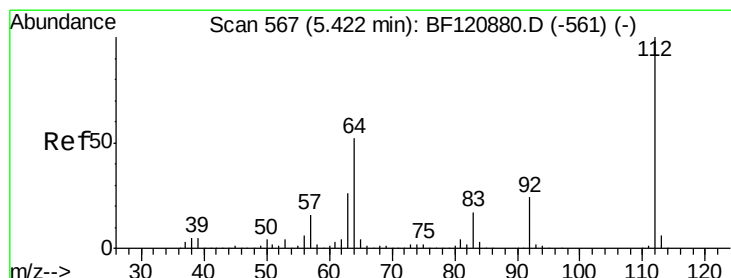
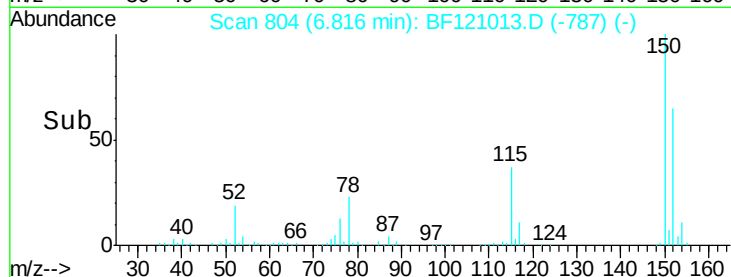
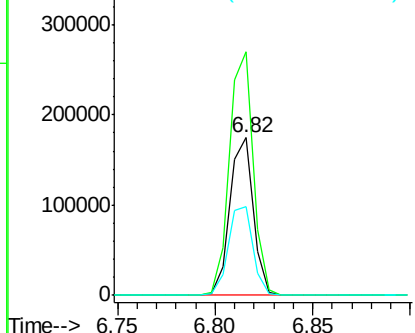
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121013.D
Acq: 24 Jul 2020 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145875
Ion Ratio Lower Upper
152 100
150 154.5 125.0 187.6
115 56.6 47.0 70.4



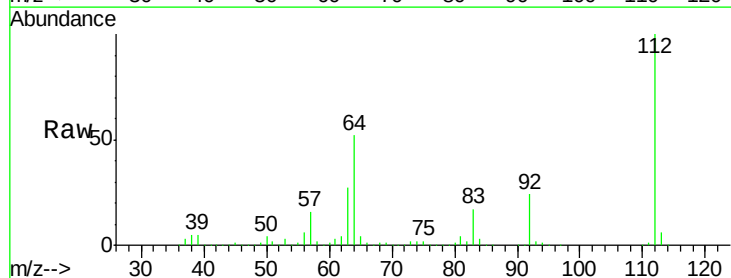
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



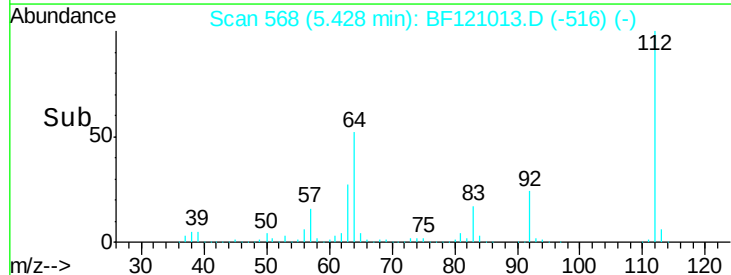
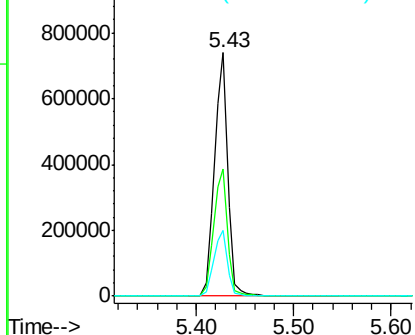
#5

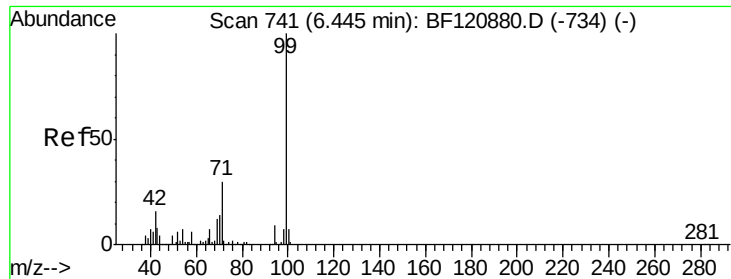
2-Fluorophenol
Concen: 78.532 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121013.D
Acq: 24 Jul 2020 20:20

Tgt Ion:112 Resp: 698801
Ion Ratio Lower Upper
112 100
64 52.4 41.3 61.9
63 26.8 21.1 31.7



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: 71.164 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

Instrument :

BNA_F

ClientSampled :

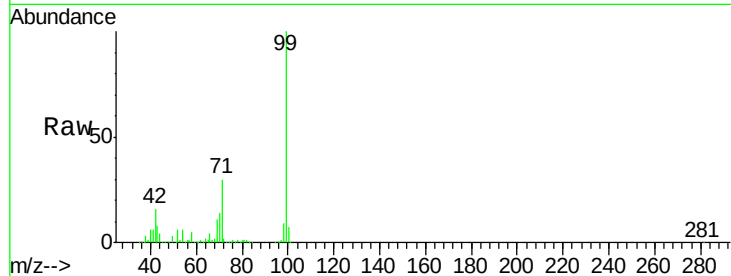
Tot Ion: 99 Resp: 817988

Ion Ratio Lower Upper

99 100

42 15.7 13.1 19.7

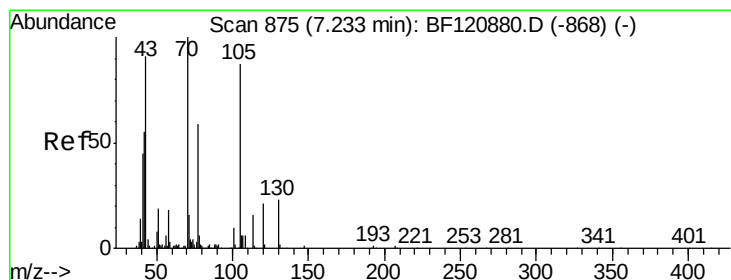
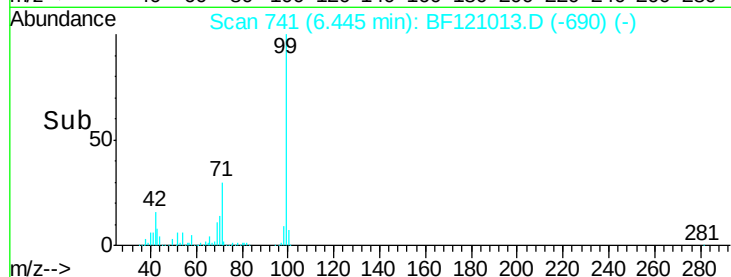
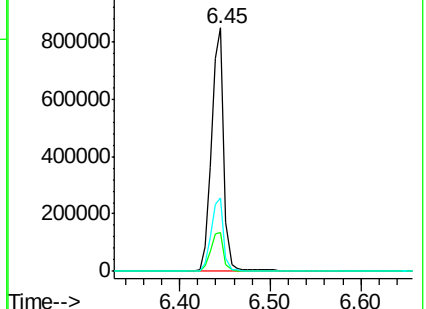
71 29.9 24.2 36.4



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: 10.108 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

Tgt Ion: 70 Resp: 66067

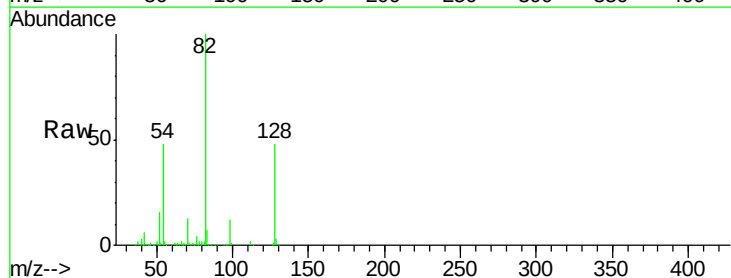
Ion Ratio Lower Upper

70 100

42 46.8 44.0 66.0

101 0.0 7.8 11.6#

130 2.5 18.7 28.1#

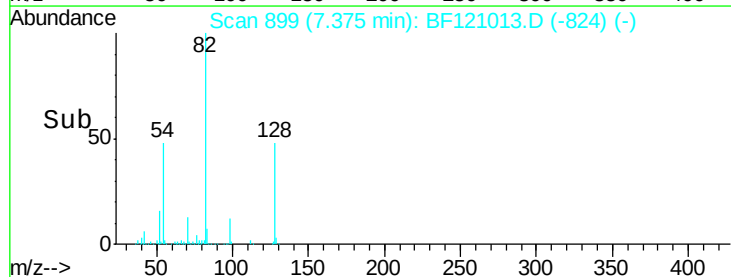
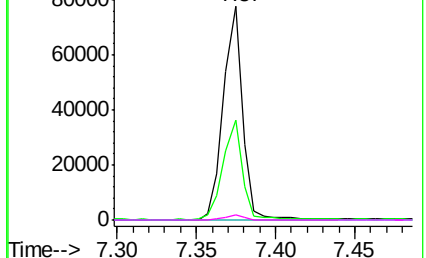


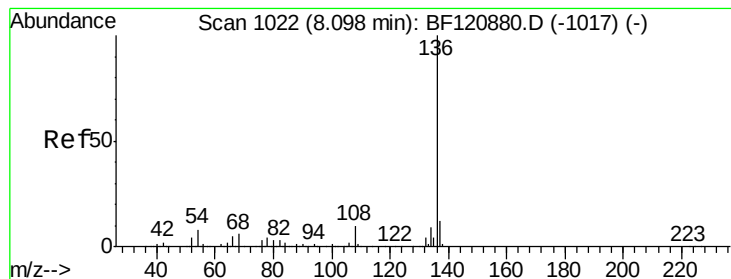
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 502431

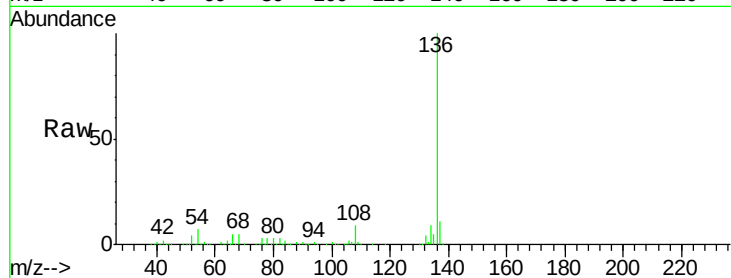
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 6.7 6.3 9.5

68 5.4 5.0 7.4

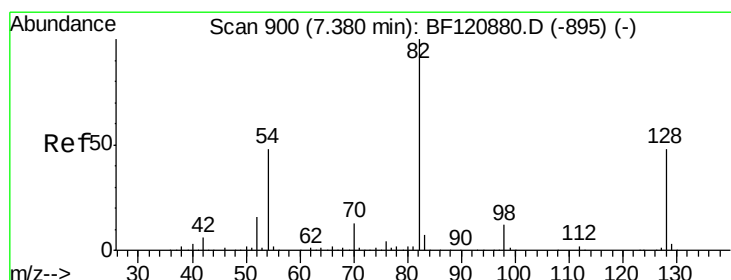
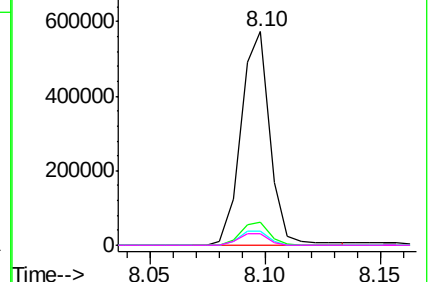
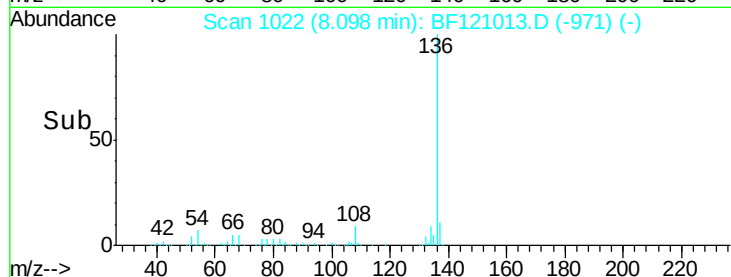


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.695 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

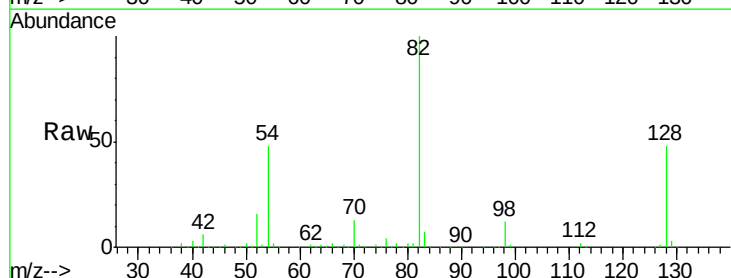
Tgt Ion: 82 Resp: 500969

Ion Ratio Lower Upper

82 100

128 48.0 38.2 57.4

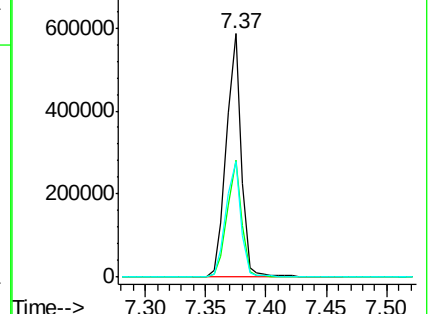
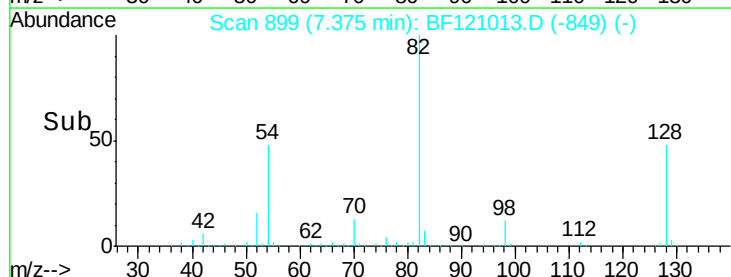
54 47.6 38.7 58.1

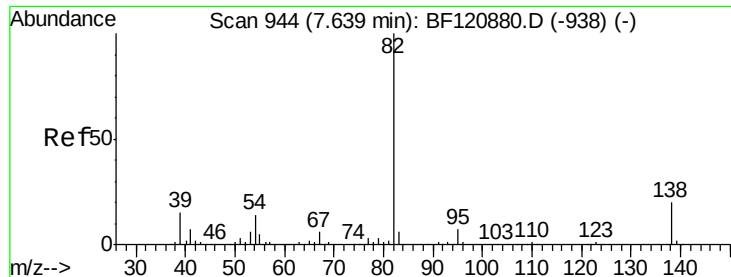


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.612 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :

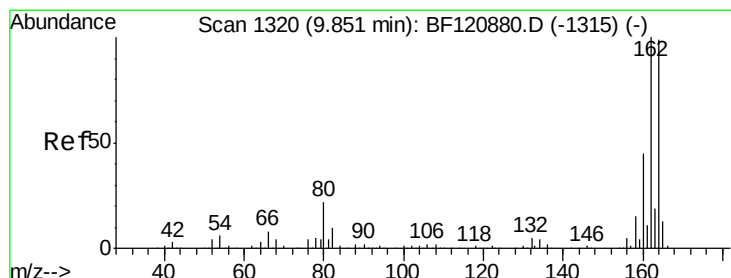
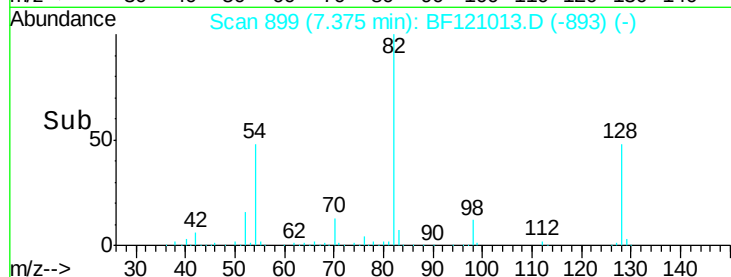
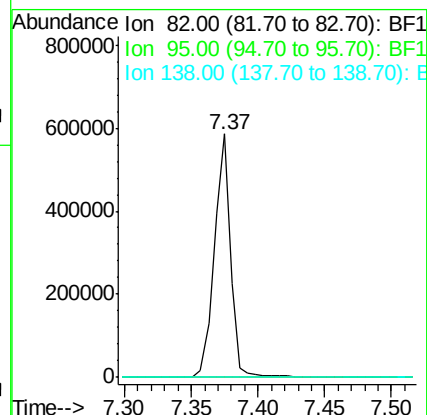
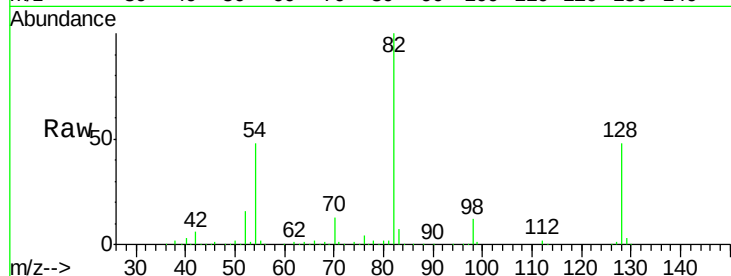
Tot Ion: 82 Resp: 495838

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.6 23.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

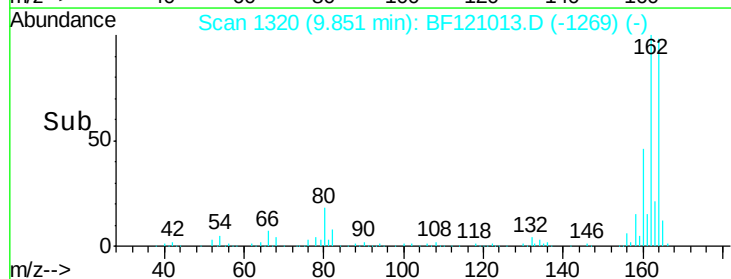
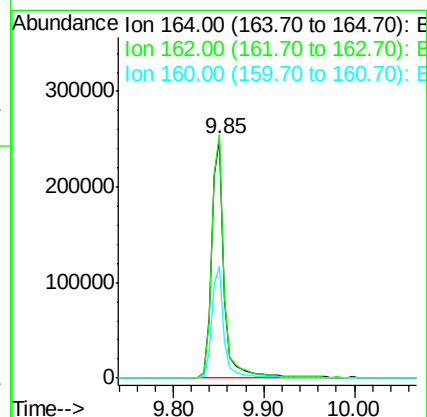
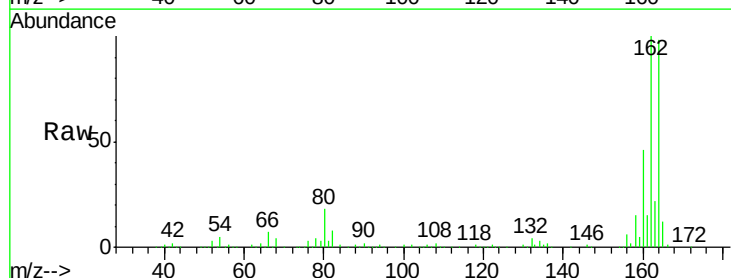
Tgt Ion: 164 Resp: 248418

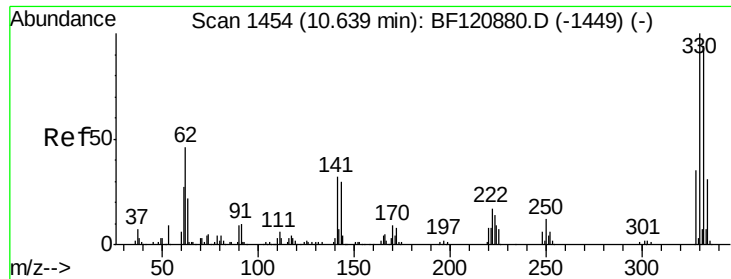
Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

160 46.6 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 69.711 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :

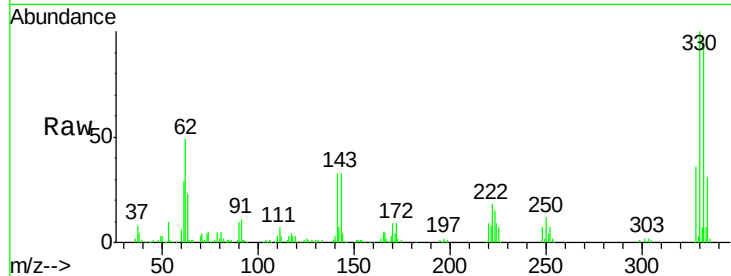
Tot Ion:330 Resp: 189556

Ion Ratio Lower Upper

330 100

332 94.3 75.5 113.3

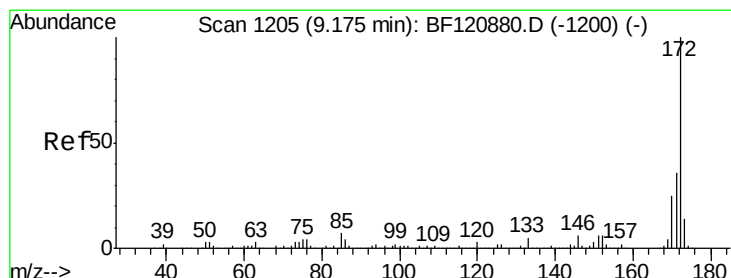
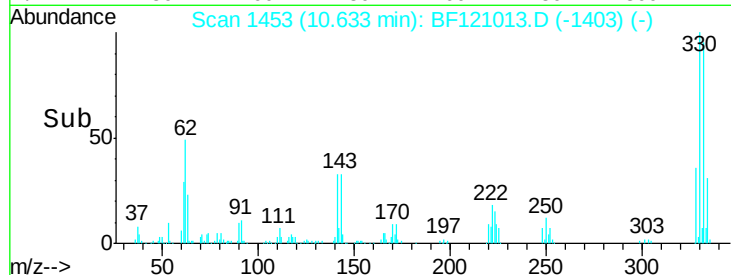
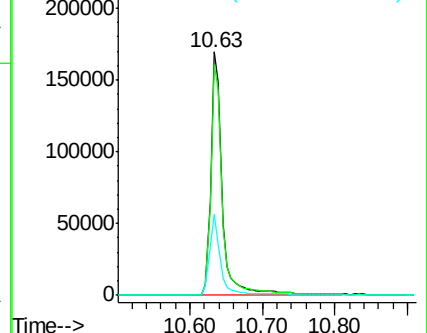
141 32.2 25.7 38.5



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: 59.312 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121013.D

Acq: 24 Jul 2020 20:20

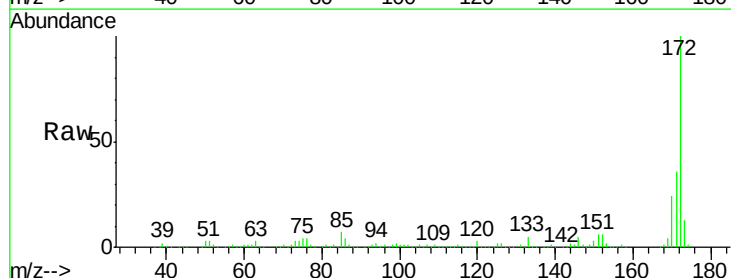
Tgt Ion:172 Resp: 986857

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

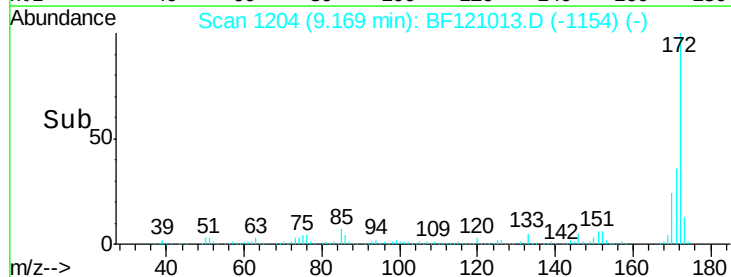
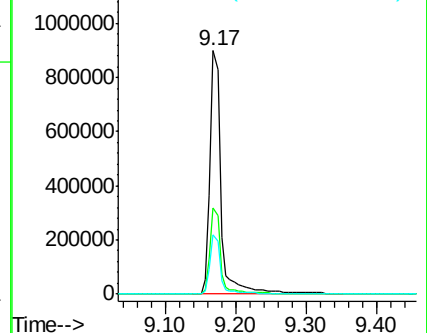
170 24.1 19.6 29.4

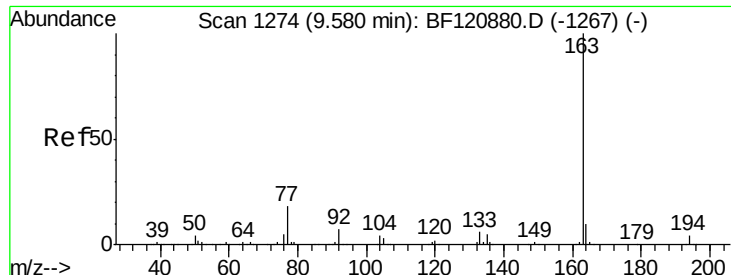


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

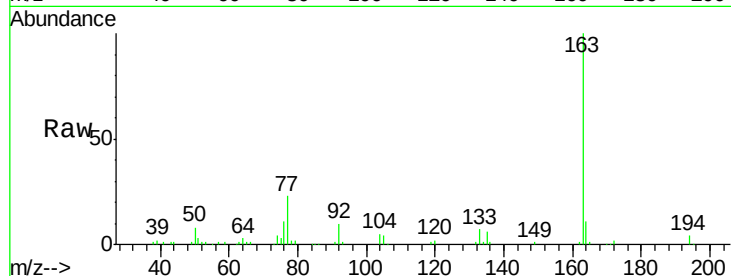




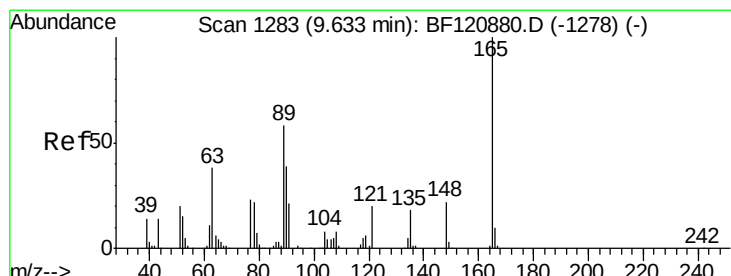
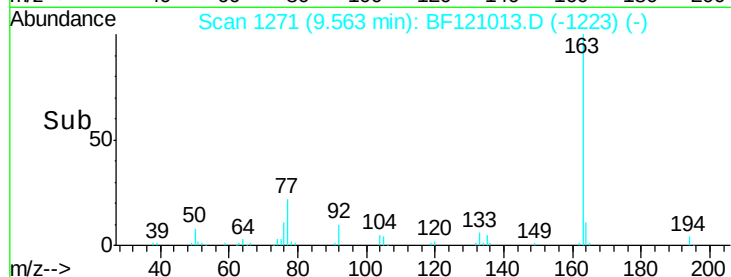
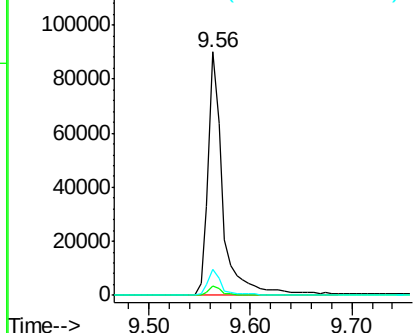
#50
Dimethylphthalate
Concen: 5.167 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121013.D
Acq: 24 Jul 2020 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 92594
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.9 7.9 11.9

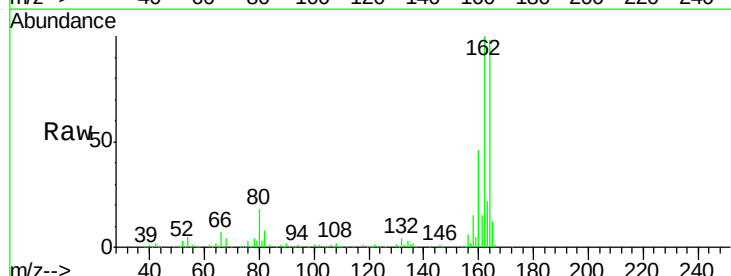


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

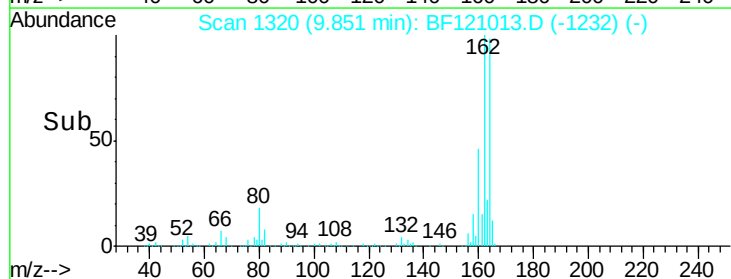
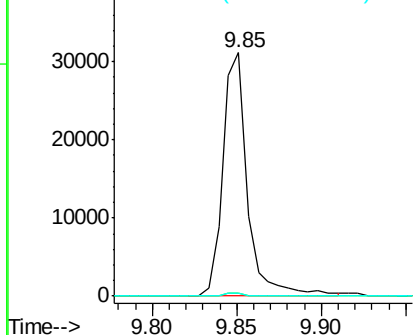


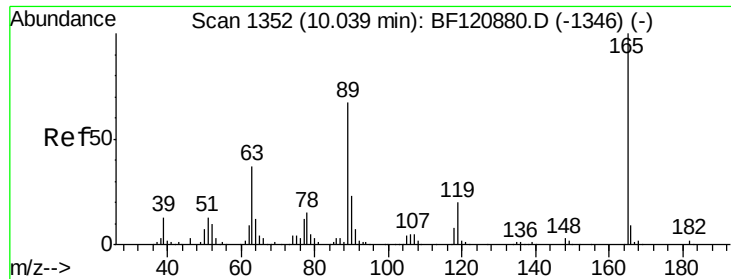
#51
2,6-Dinitrotoluene
Concen: 8.199 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.22 min
Lab File: BF121013.D
Acq: 24 Jul 2020 20:20

Tgt Ion:165 Resp: 31569
Ion Ratio Lower Upper
165 100
63 1.3 45.4 68.2#
89 1.1 47.0 70.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

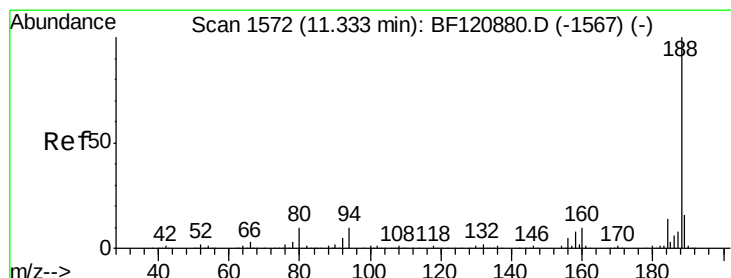
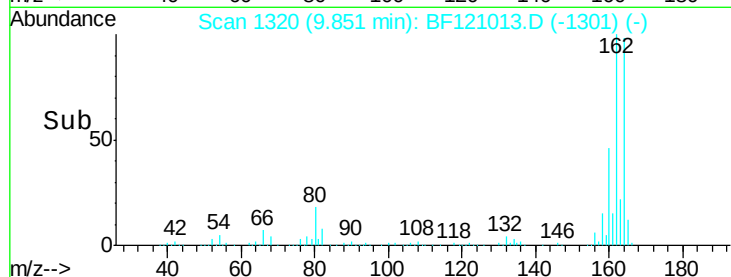
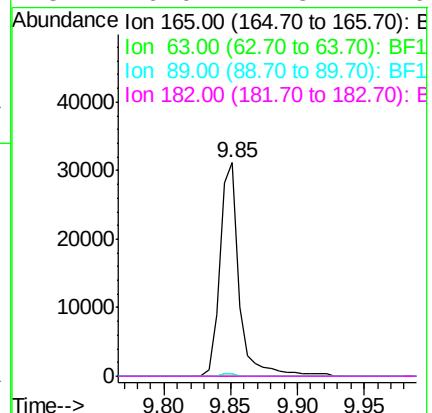
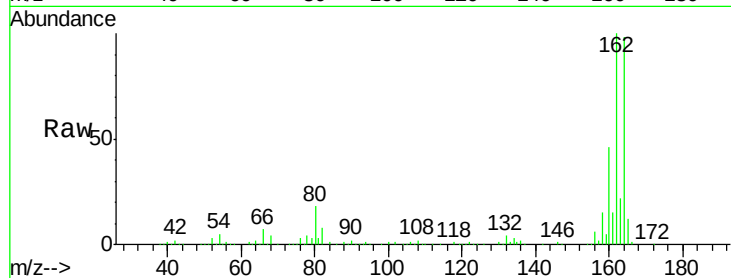




#57
 2,4-Dinitrotoluene
 Concen: 6.299 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

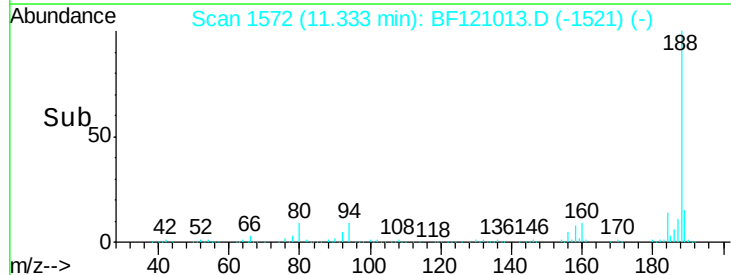
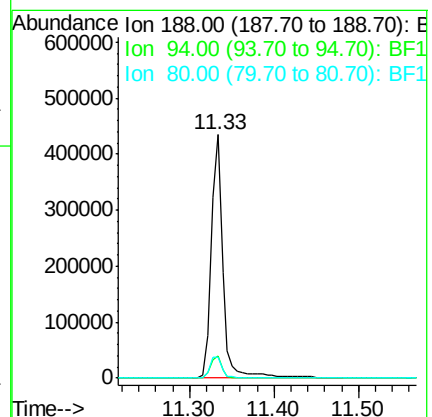
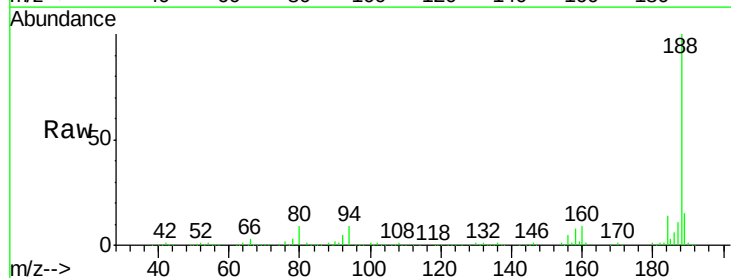
Instrument :
 BNA_F
 ClientSampleId :

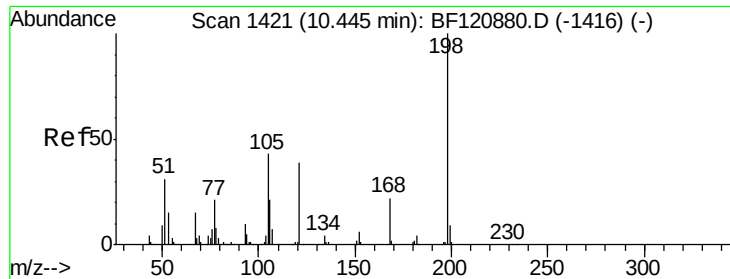
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.4	44.2#
89	1.1	53.4	80.0#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	8.8	8.3	12.5

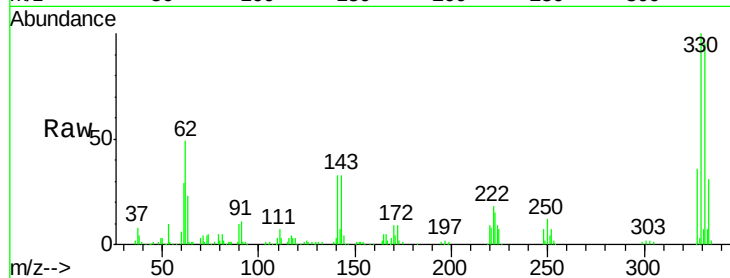




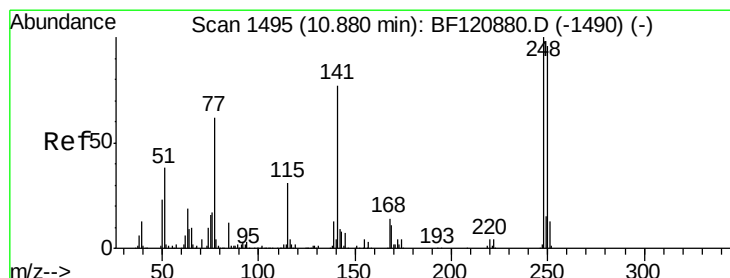
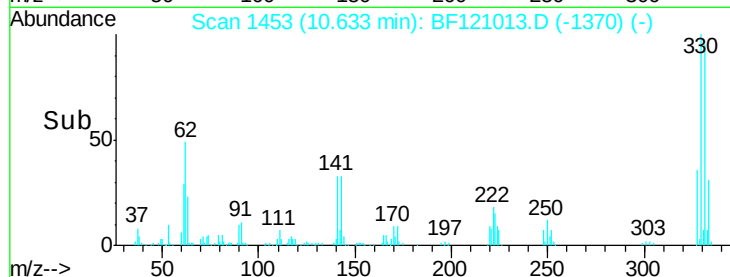
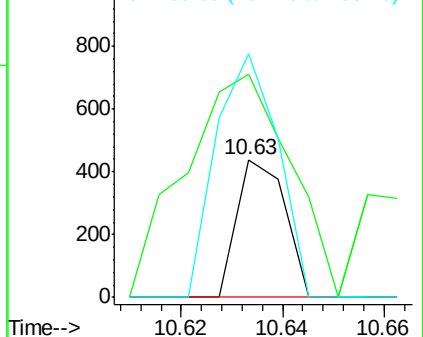
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.951 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.19 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 288
 Ion Ratio Lower Upper
 198 100
 51 161.9 19.5 59.5#
 105 177.2 24.4 64.4#

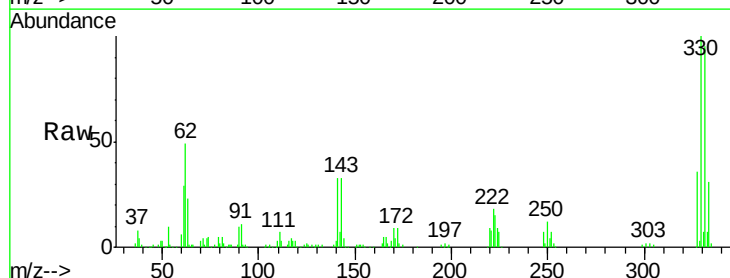


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

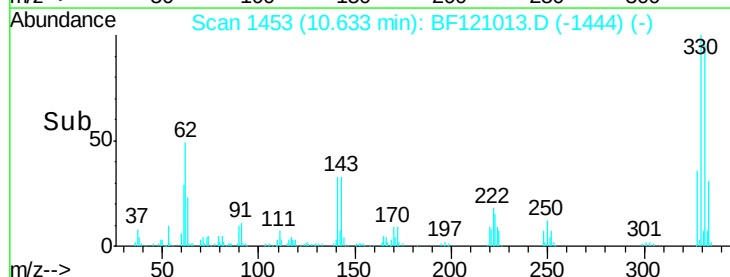
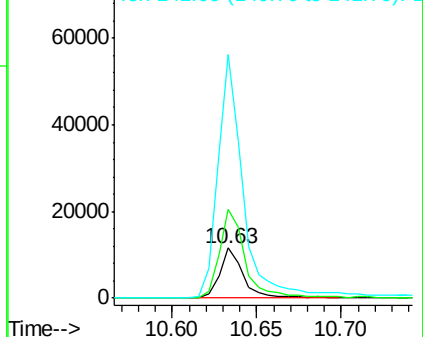


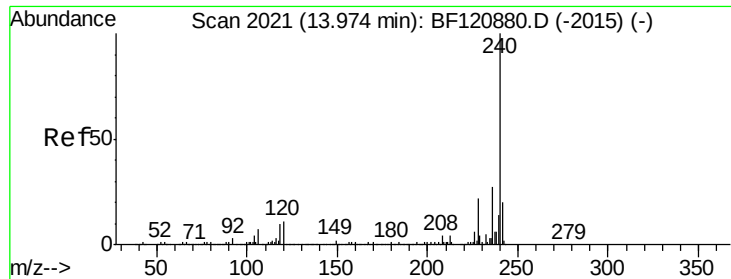
#67
 4-Bromophenyl-phenylether
 Concen: 2.395 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

Tgt Ion:248 Resp: 11250
 Ion Ratio Lower Upper
 248 100
 250 178.4 77.1 115.7#
 141 489.4 61.2 91.8#



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

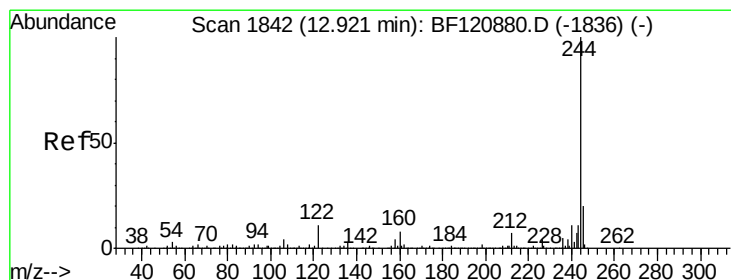
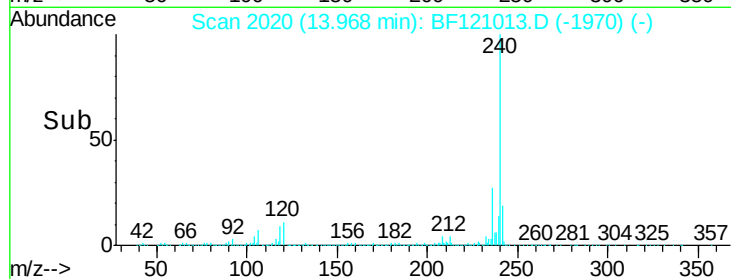
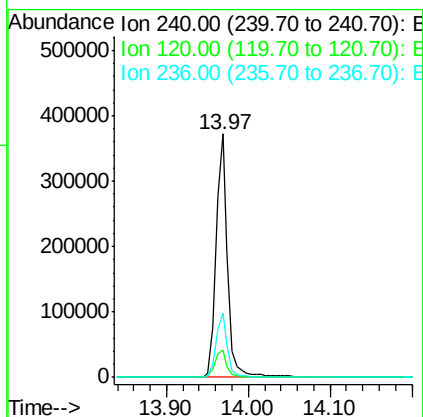
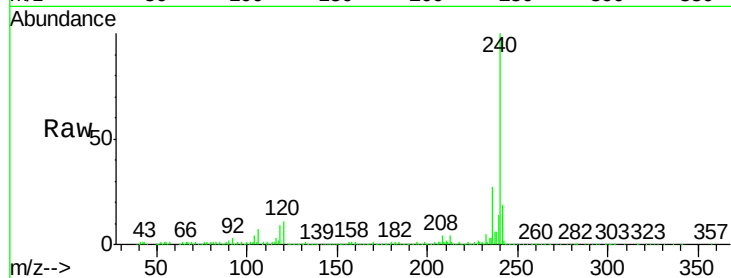




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

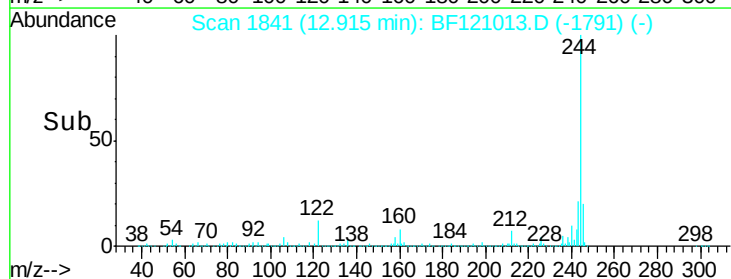
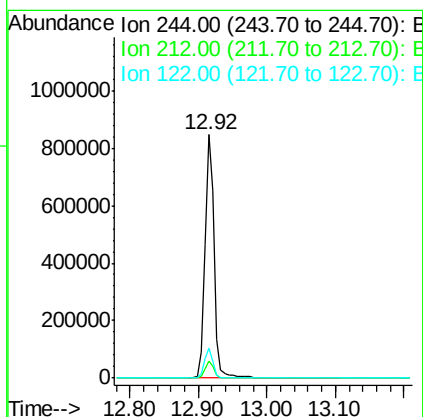
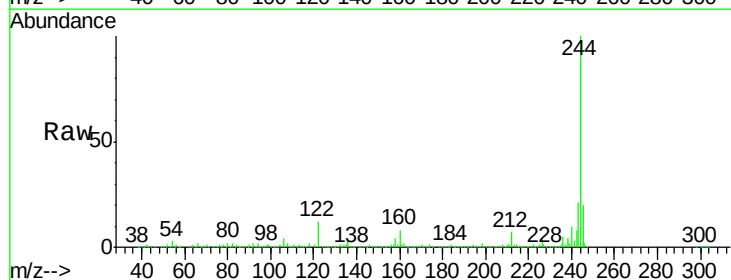
Instrument :
 BNA_F
 ClientSampleId :

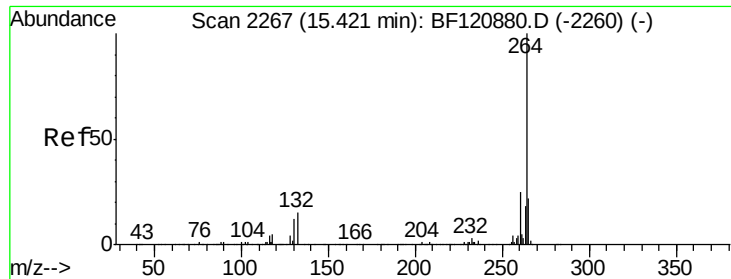
Tot Ion:240 Resp: 364470
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.0 13.4
 236 26.5 21.7 32.5



#79
 Terphenyl-d14
 Concen: 48.635 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

Tgt Ion:244 Resp: 815452
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 12.1 8.9 13.3

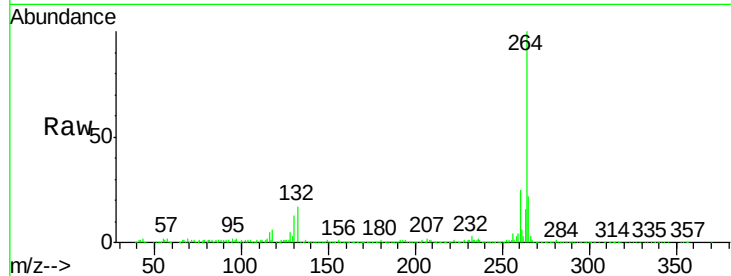




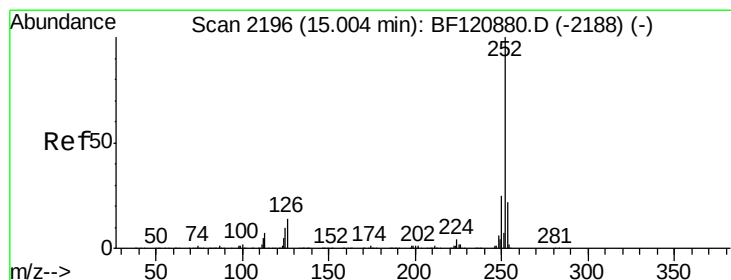
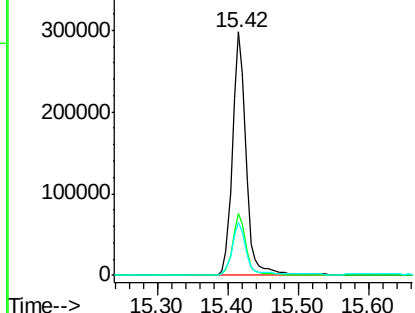
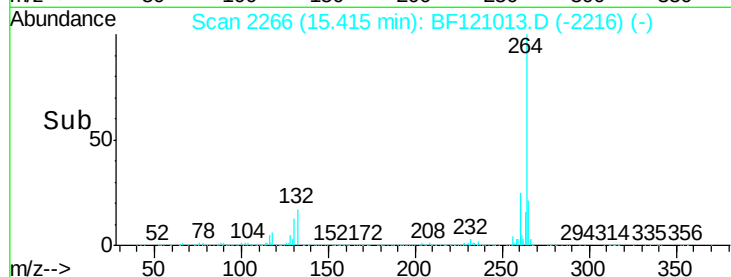
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF121013.D
Acq: 24 Jul 2020 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	21.6	17.4	26.2

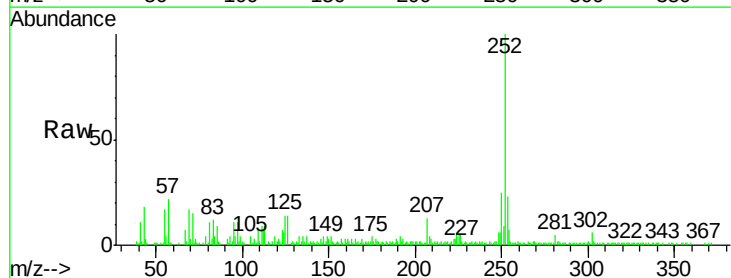


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

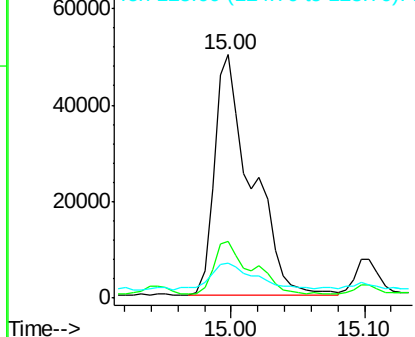
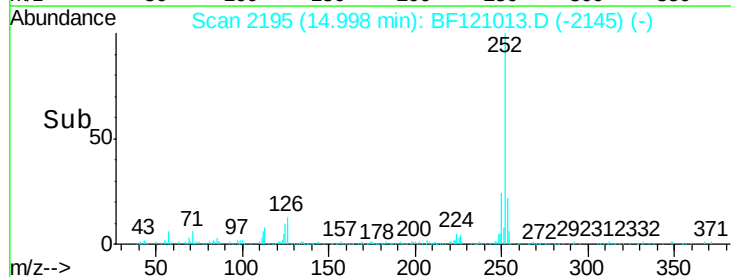


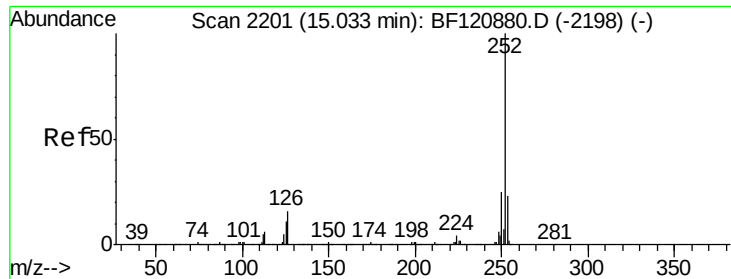
#88
Benzo(b)fluoranthene
Concen: 3.975 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121013.D
Acq: 24 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	14.2	8.3	12.5#



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





#89
 Benzo(k)fluoranthene
 Concen: 4.359 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. -0.04 min
 Lab File: BF121013.D
 Acq: 24 Jul 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	14.2	8.4	12.6

