

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121005.D
 Acq On : 24 Jul 2020 16:16
 Operator : JU/CG
 Sample : L3381-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 16:48:22 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	152463	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	548919	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	291336	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	542757	20.00	ng	0.00
76) Chrysene-d12	13.96	240	353295	20.00	ng	-0.01
86) Perylene-d12	15.41	264	378580	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1002131	107.75	ng	0.01
7) Phenol-d6	6.45	99	1074228	89.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	841615	88.72	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	411508	129.04	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1529740	78.40	ng	0.00
79) Terphenyl-d14	12.92	244	1452690	89.38	ng	0.00

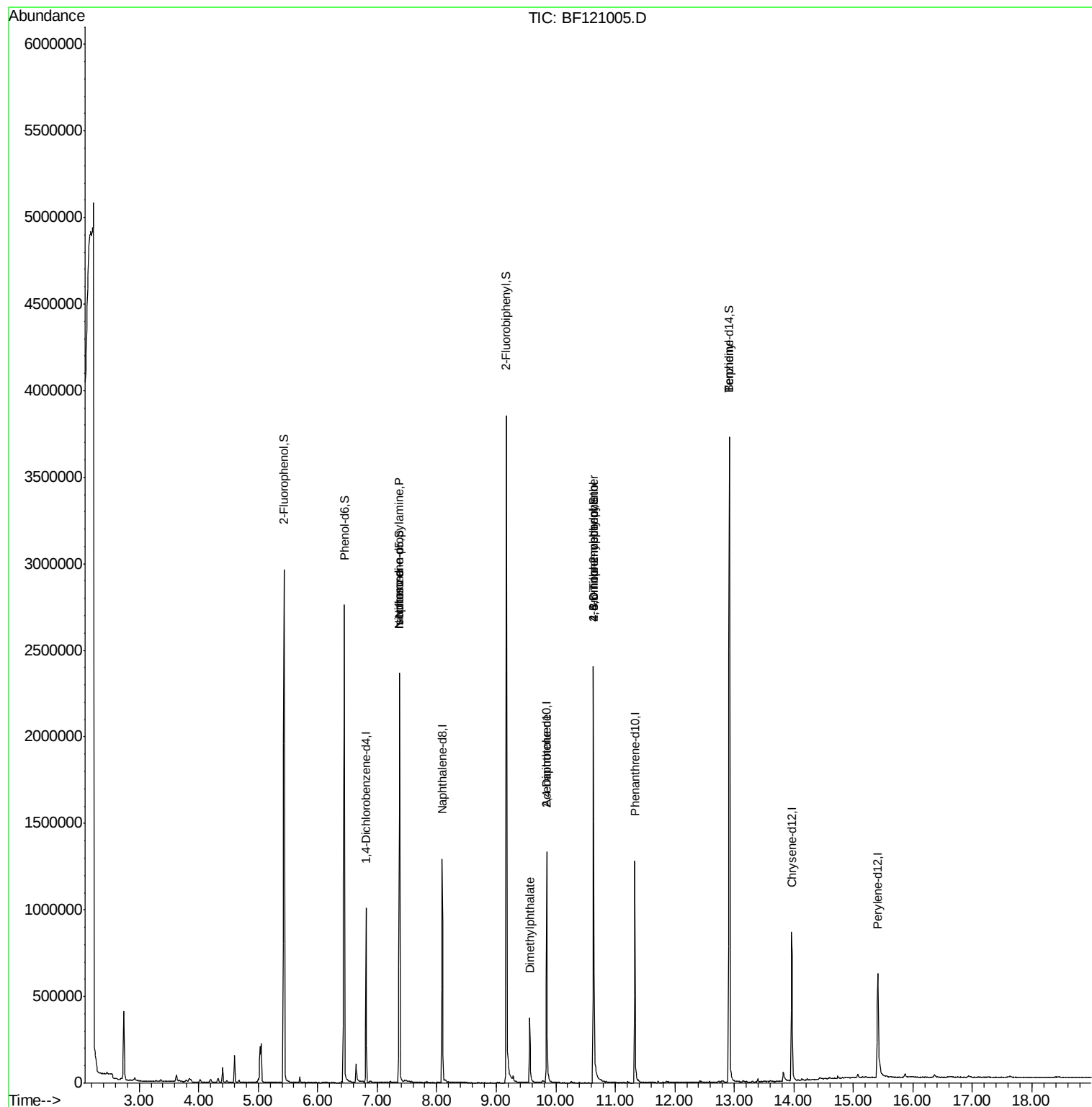
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1453	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	109853	16.081	ng	# 78
25) Isophorone	7.37	82	841608	44.452	ng	# 63
50) Dimethylphthalate	9.56	163	168403	8.012	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	36498	6.155	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.63	198	737	4.058	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	22819	3.771	ng	# 1
77) Benzidine	12.92	184	19539	2.104	ng	# 93

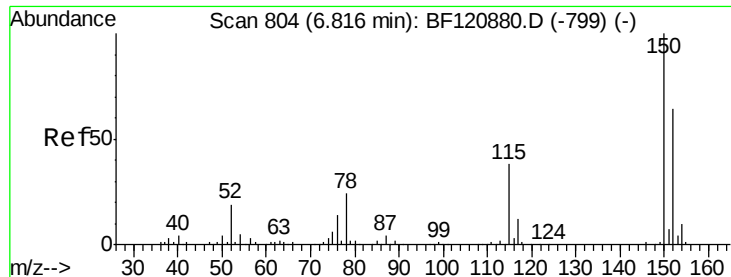
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF121005.D

Acq: 24 Jul 2020 16:16

Instrument :

BNA_F

ClientSampleId :

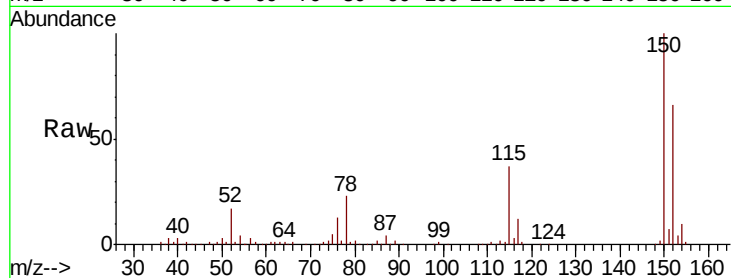
Tot Ion:152 Resp: 152463

Ion Ratio Lower Upper

152 100

150 151.7 125.0 187.6

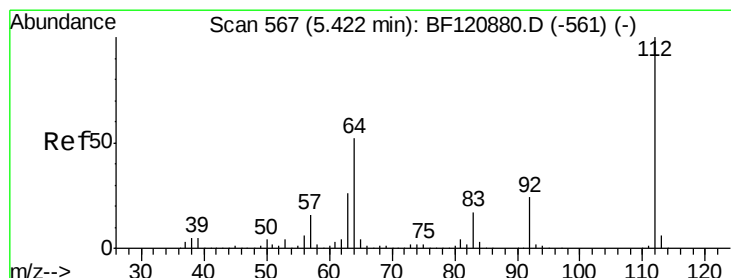
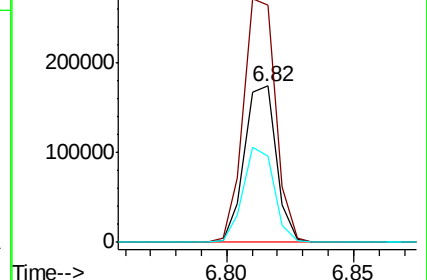
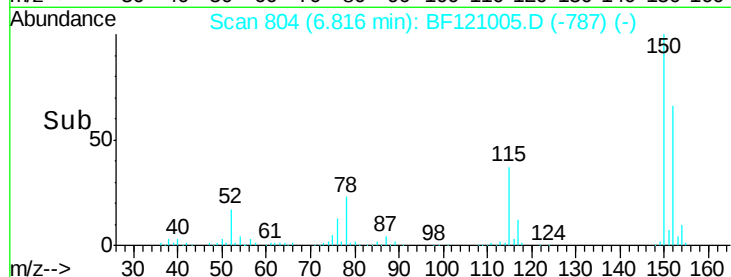
115 55.5 47.0 70.4



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: 107.754 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

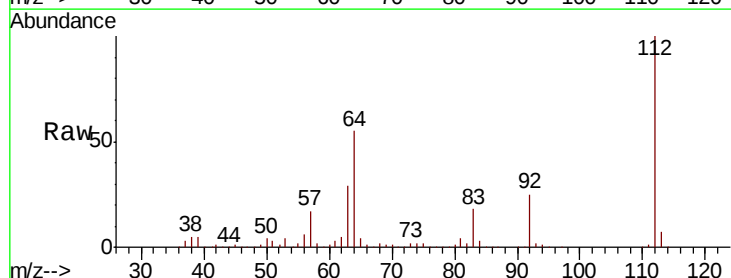
Tgt Ion:112 Resp: 1002131

Ion Ratio Lower Upper

112 100

64 55.2 41.3 61.9

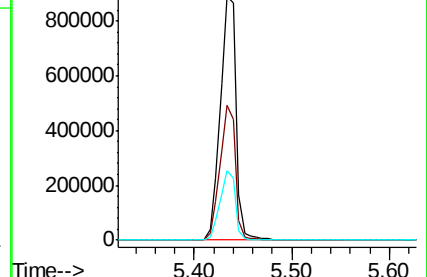
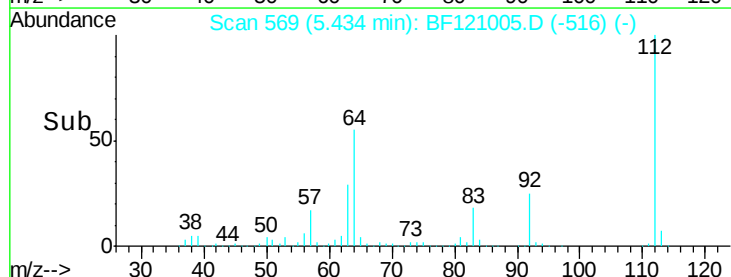
63 28.6 21.1 31.7



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: 89.419 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

Instrument :

BNA_F

ClientSampleId :

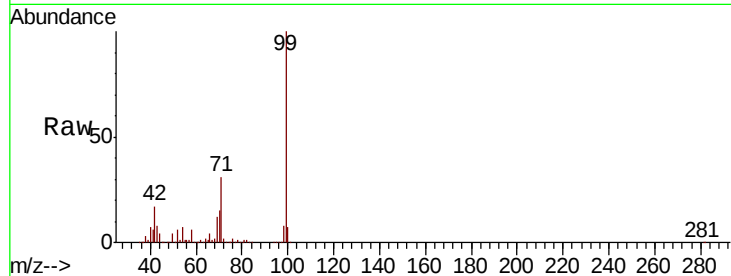
Tot Ion: 99 Resp: 1074228

Ion Ratio Lower Upper

99 100

42 16.5 13.1 19.7

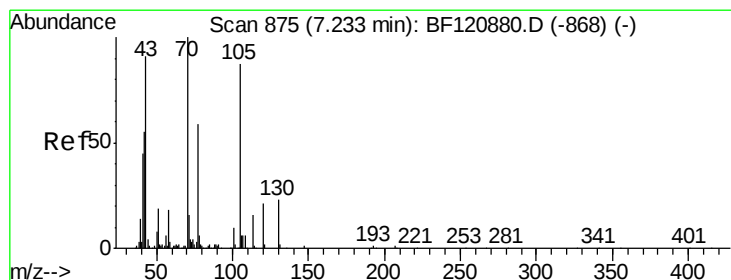
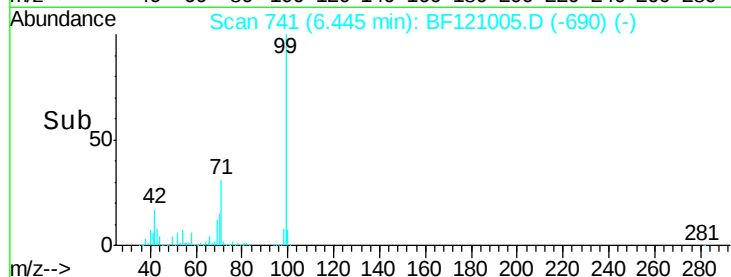
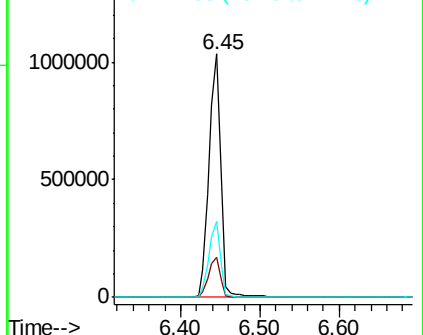
71 31.1 24.2 36.4



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: 16.081 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

Tgt Ion: 70 Resp: 109853

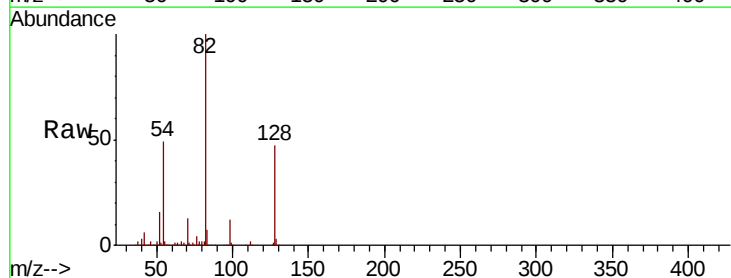
Ion Ratio Lower Upper

70 100

42 46.5 44.0 66.0

101 0.0 7.8 11.6#

130 2.3 18.7 28.1#

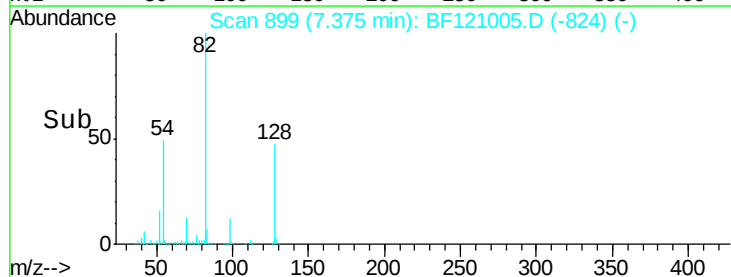
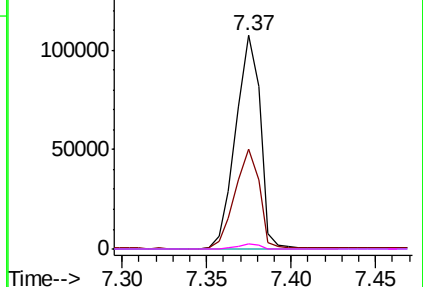


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

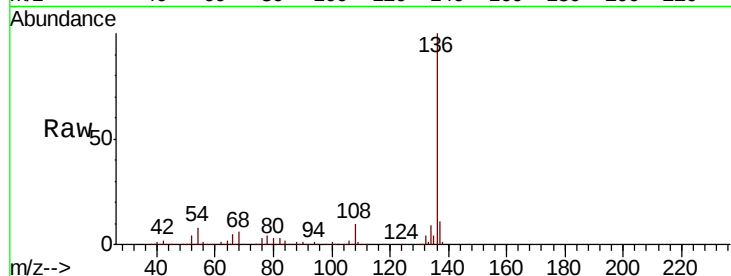




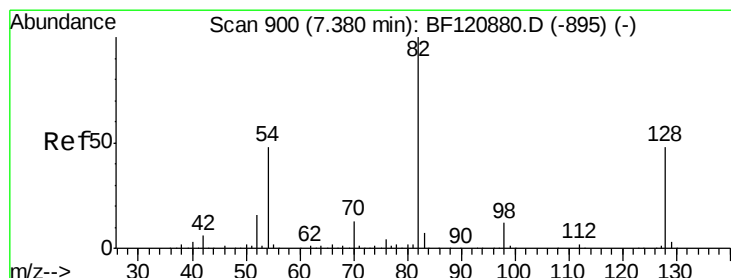
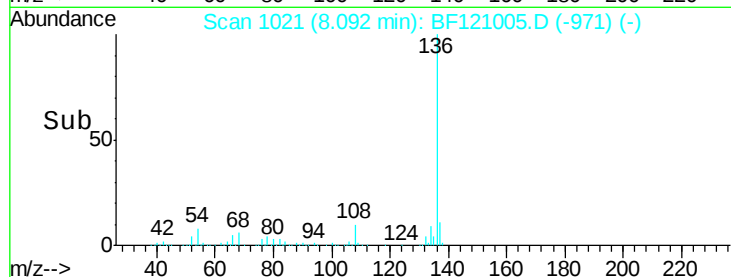
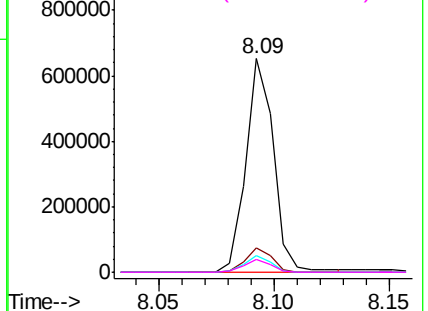
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	548919
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.7	6.3	9.5
68	6.2	5.0	7.4

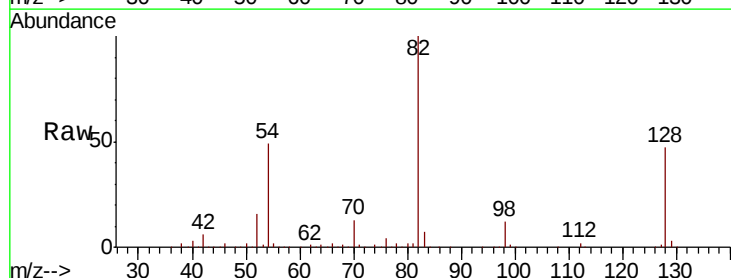


Abundance Ion 136.00 (135.70 to 136.70): E
1000000 Ion 137.00 (136.70 to 137.70): E
800000 Ion 54.00 (53.70 to 54.70): BF1
600000 Ion 68.00 (67.70 to 68.70): BF1
400000
200000
0

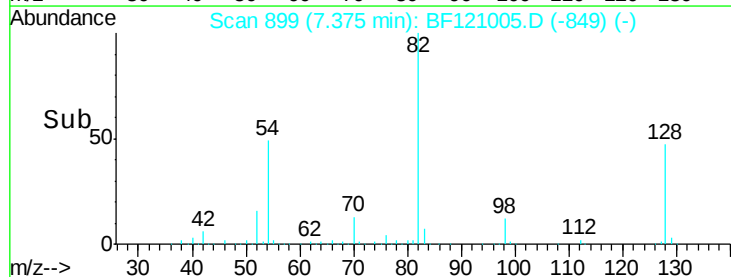
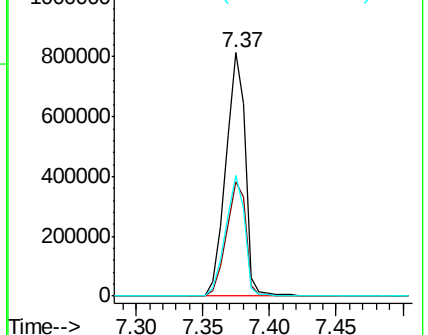


#23
Nitrobenzene-d5
Concen: 88.717 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Tgt Ion:	82	Resp:	841615
Ion	Ratio	Lower	Upper
82	100		
128	46.8	38.2	57.4
54	49.4	38.7	58.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000 Ion 128.00 (127.70 to 128.70): E
800000 Ion 54.00 (53.70 to 54.70): BF1
600000
400000
200000
0





#25

Isophorone

Concen: 44.452 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

Instrument :

BNA_F

ClientSampleId :

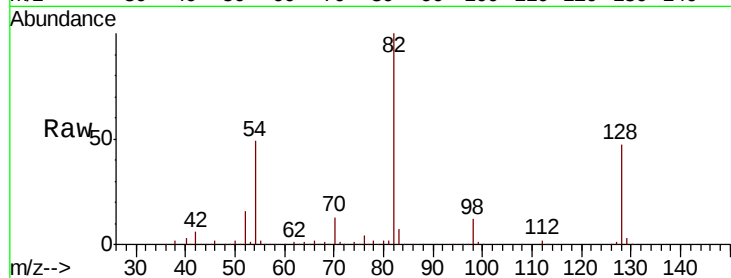
Tot Ion: 82 Resp: 841608

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

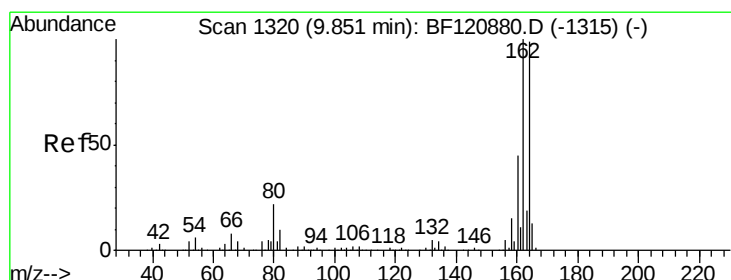
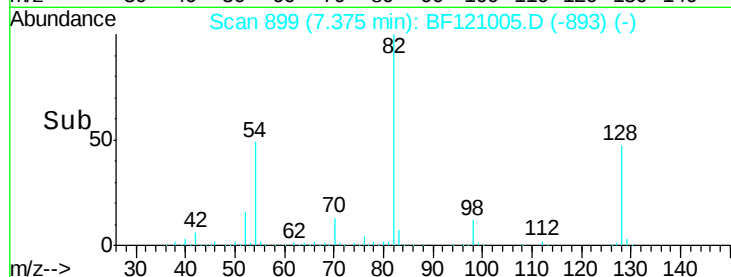
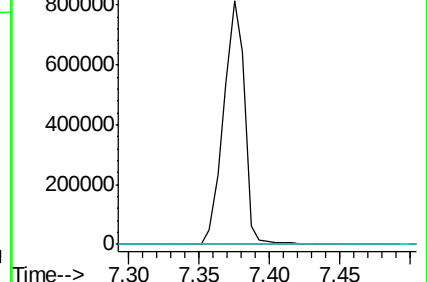
138 0.0 15.6 23.4#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

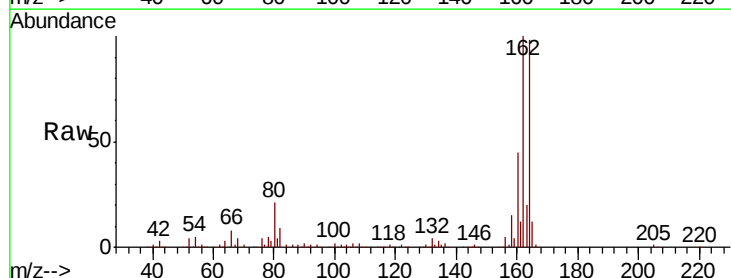
Tgt Ion: 164 Resp: 291336

Ion Ratio Lower Upper

164 100

162 101.6 81.2 121.8

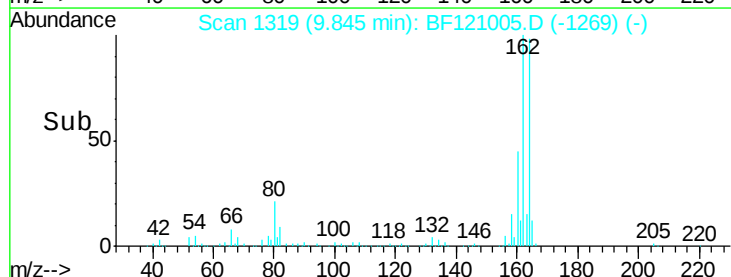
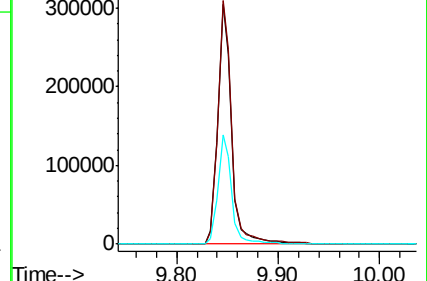
160 45.5 36.9 55.3



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: 129.041 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

Instrument :

BNA_F

ClientSampleId :

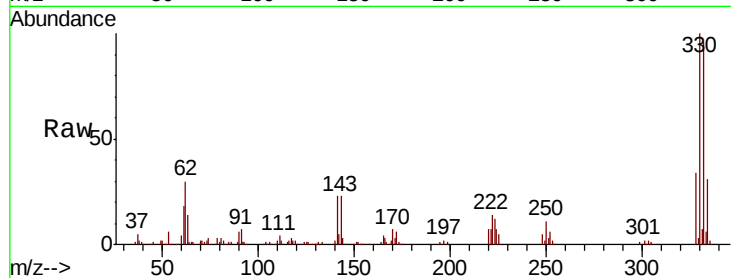
Tot Ion:330 Resp: 411508

Ion Ratio Lower Upper

330 100

332 95.6 75.5 113.3

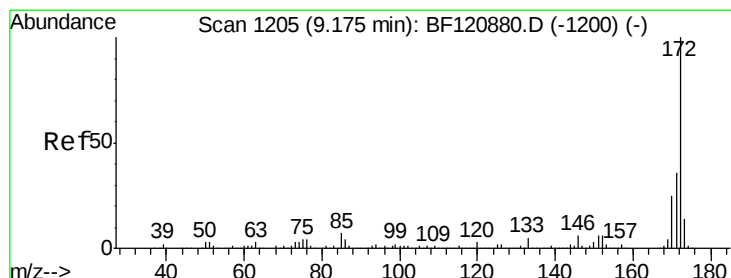
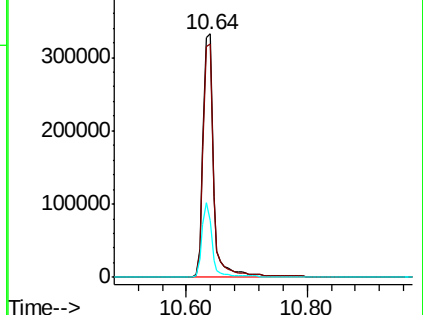
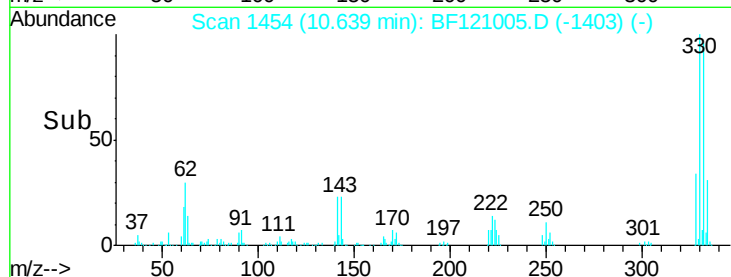
141 30.2 25.7 38.5



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: 78.396 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

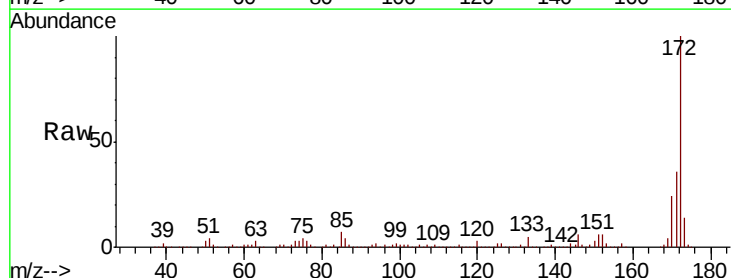
Tgt Ion:172 Resp: 1529740

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

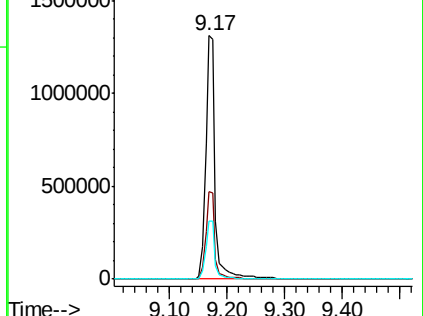
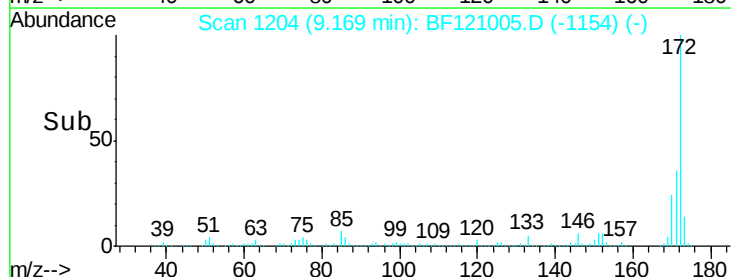
170 24.1 19.6 29.4



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

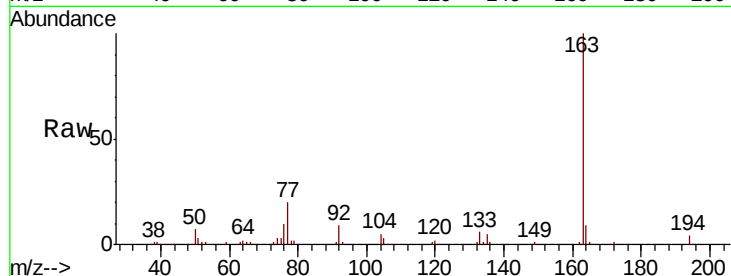




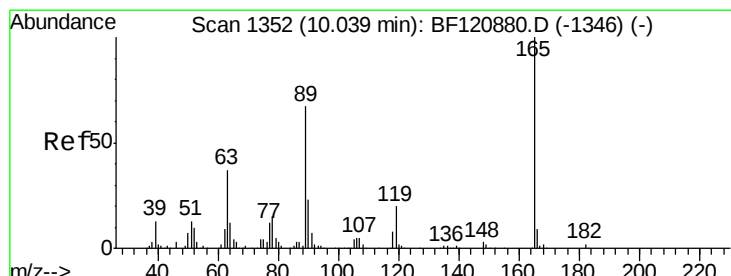
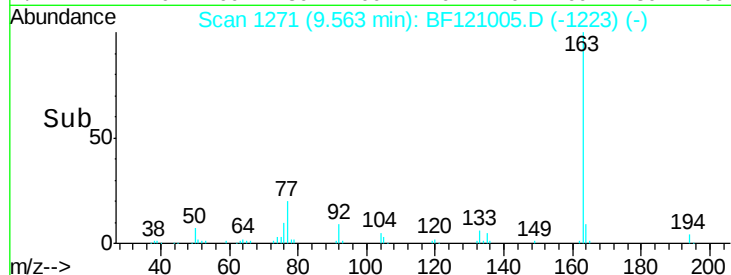
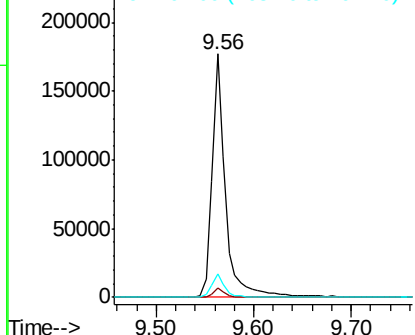
#50
Dimethylphthalate
Concen: 8.012 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	9.5	7.9	11.9



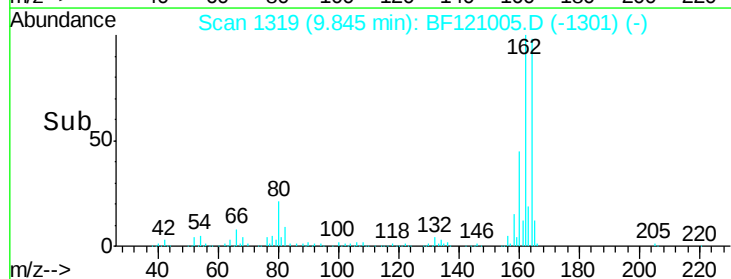
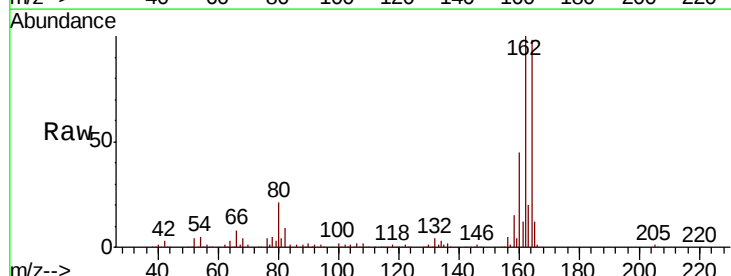
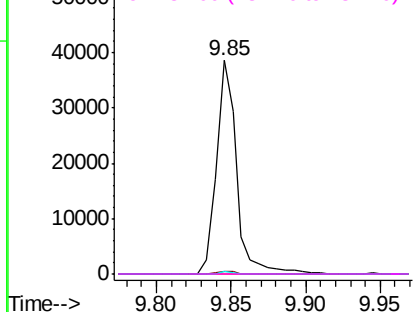
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

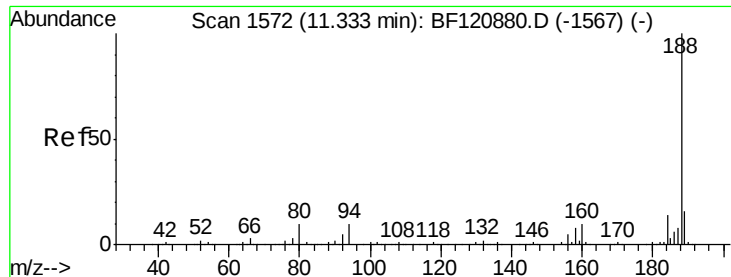


#57
2,4-Dinitrotoluene
Concen: 6.155 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.4	44.2#
89	1.4	53.4	80.0#
182	0.0	1.8	2.6#

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

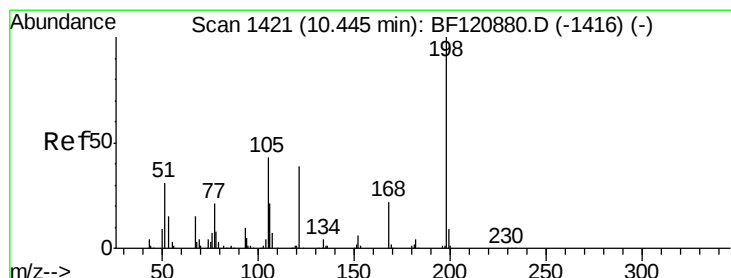
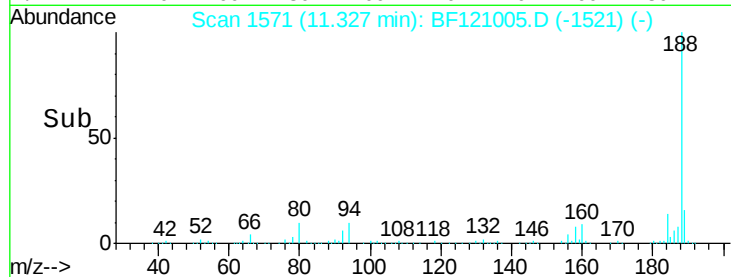
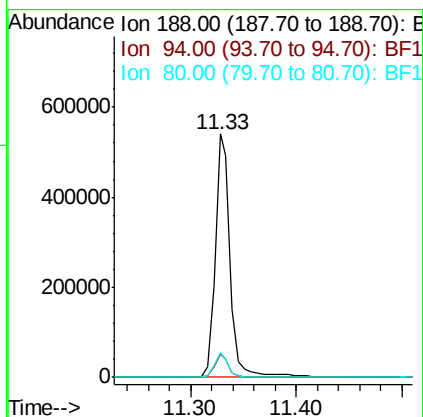
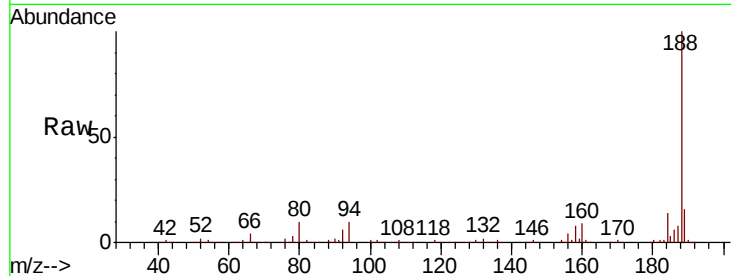




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

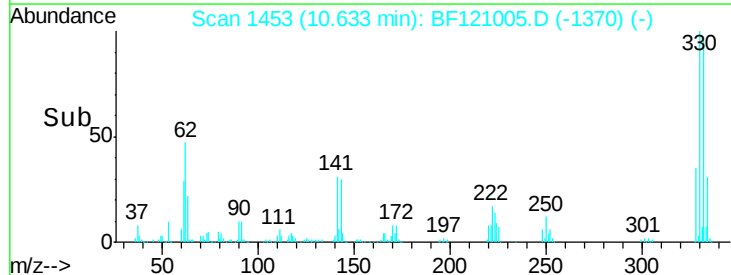
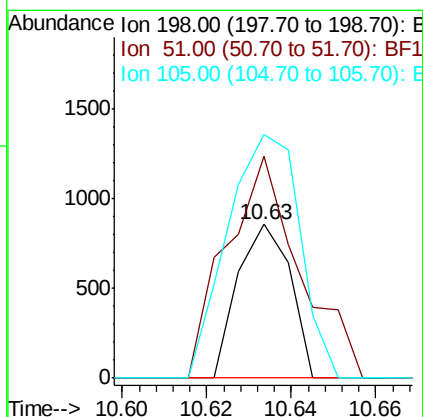
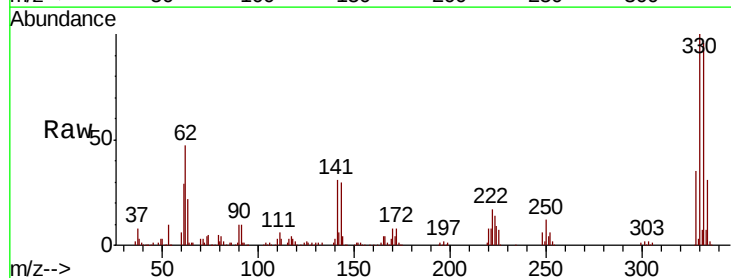
Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 542757
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 10.1 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 4.058 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.19 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Tgt Ion:198 Resp: 737
Ion Ratio Lower Upper
198 100
51 144.2 19.5 59.5#
105 158.5 24.4 64.4#

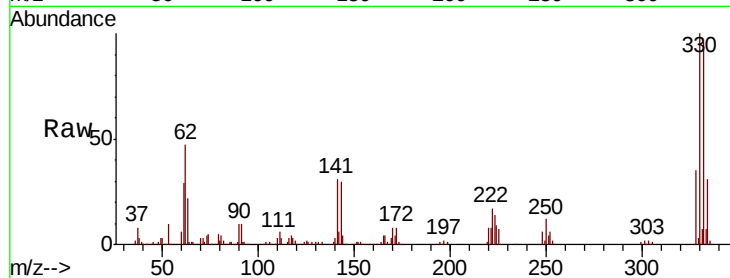




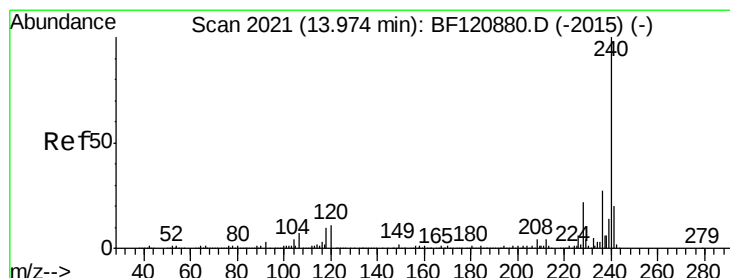
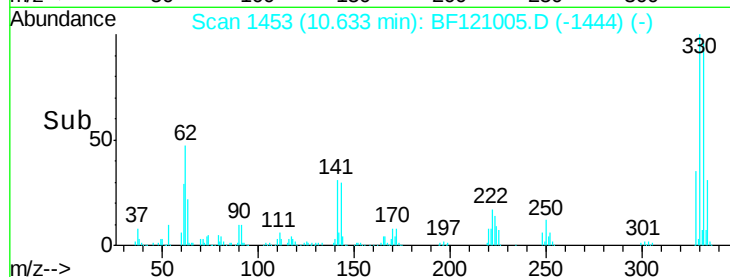
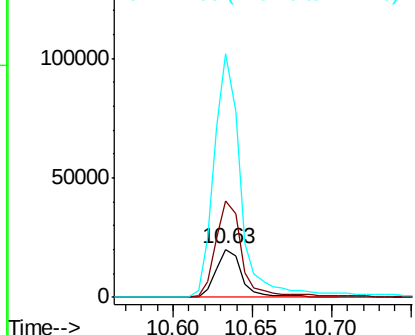
#67
4-Bromophenyl-phenylether
Concen: 3.771 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 22819
Ion Ratio Lower Upper
248 100
250 201.0 77.1 115.7#
141 505.2 61.2 91.8#

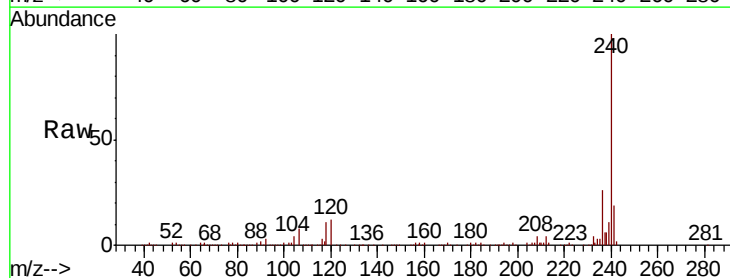


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

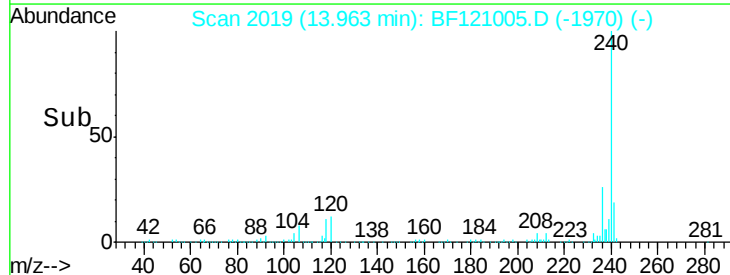
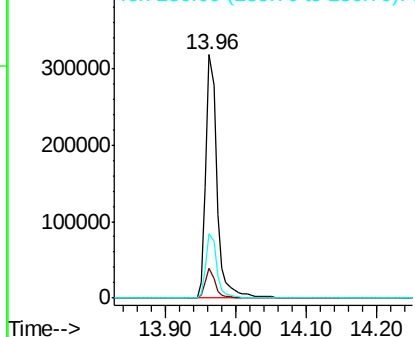


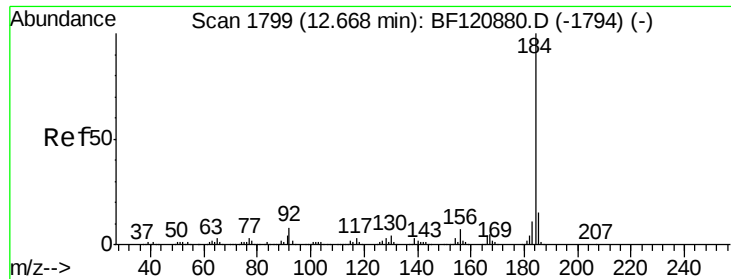
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121005.D
Acq: 24 Jul 2020 16:16

Tgt Ion:240 Resp: 353295
Ion Ratio Lower Upper
240 100
120 12.3 9.0 13.4
236 26.5 21.7 32.5



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





#77

Benzidine

Concen: 2.104 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

Instrument :

BNA_F

ClientSampleId :

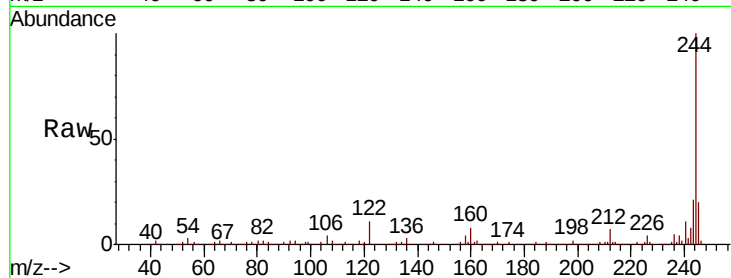
Tot Ion:184 Resp: 19539

Ion Ratio Lower Upper

184 100

185 17.8 12.2 18.2

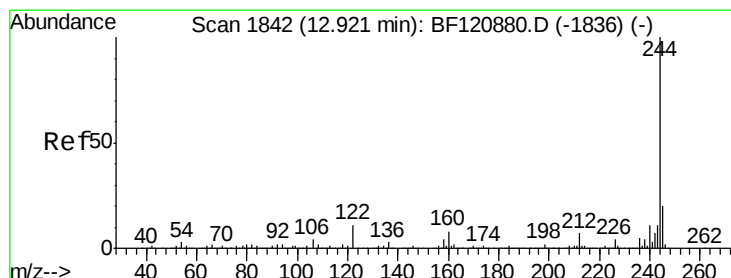
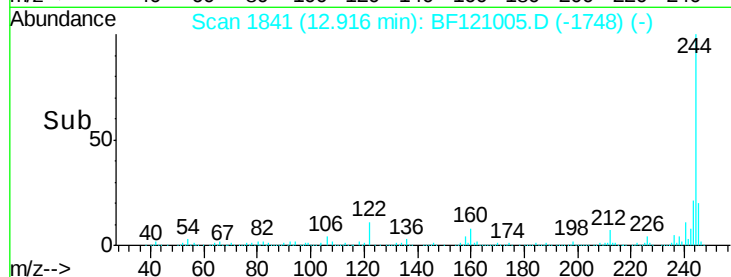
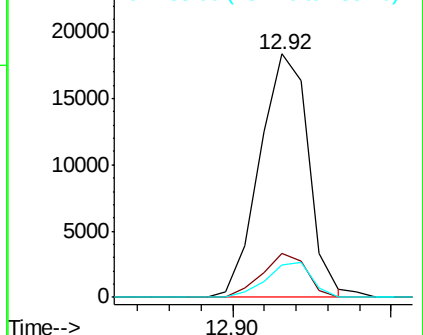
183 13.4 8.5 12.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 89.382 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF121005.D

Acq: 24 Jul 2020 16:16

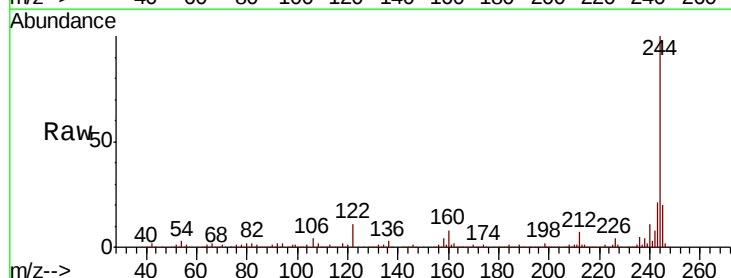
Tgt Ion:244 Resp: 1452690

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

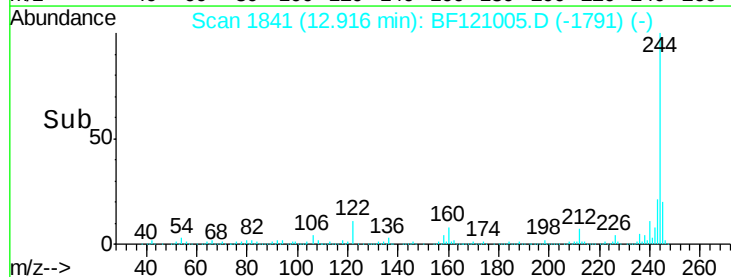
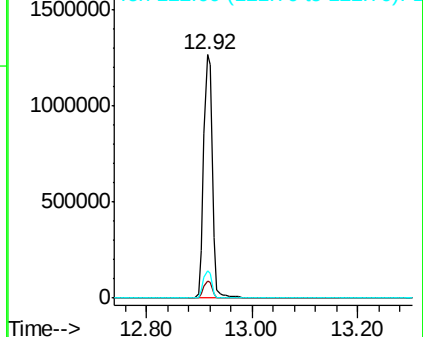
122 11.4 8.9 13.3

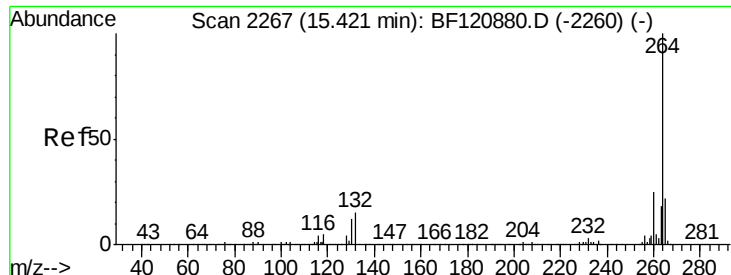


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

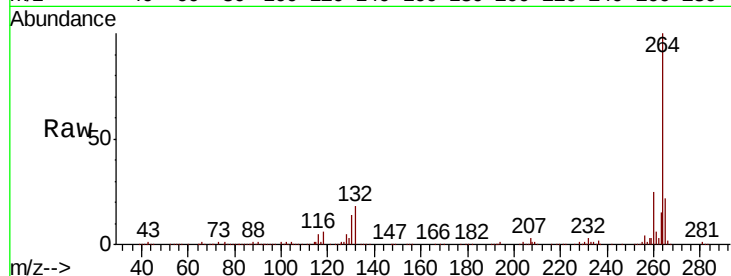




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF121005.D
 Acq: 24 Jul 2020 16:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	21.7	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

