

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121001.D
 Acq On : 24 Jul 2020 14:15
 Operator : JU/CG
 Sample : L3381-06RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 14:39:14 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	158960	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	572653	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	303898	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	549635	20.00	ng	0.00
76) Chrysene-d12	13.97	240	370097	20.00	ng	0.00
86) Perylene-d12	15.41	264	397917	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1017114	104.90	ng	0.02
7) Phenol-d6	6.45	99	1123502	89.70	ng	0.00
23) Nitrobenzene-d5	7.37	82	826488	83.51	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	405575	121.92	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1546594	75.98	ng	0.00
79) Terphenyl-d14	12.92	244	1425631	83.74	ng	0.00

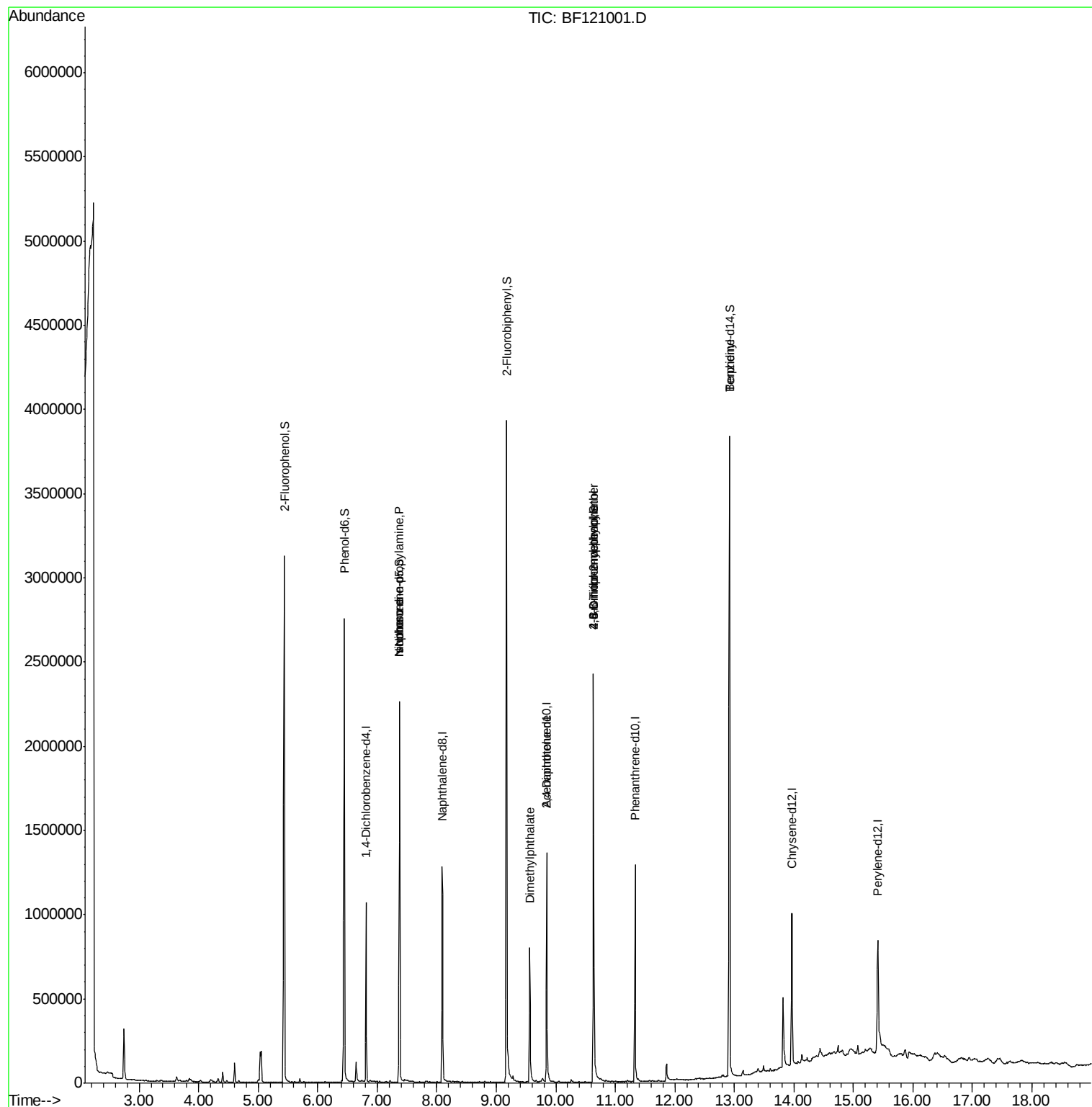
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	220	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	109854	15.424	ng	# 78
25) Isophorone	7.37	82	826474	41.843	ng	# 63
50) Dimethylphthalate	9.56	163	348301	15.886	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	39437	6.376	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.63	198	735	4.055	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	22765	3.715	ng	# 1
77) Benzidine	12.92	184	20320	2.088	ng	# 95

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

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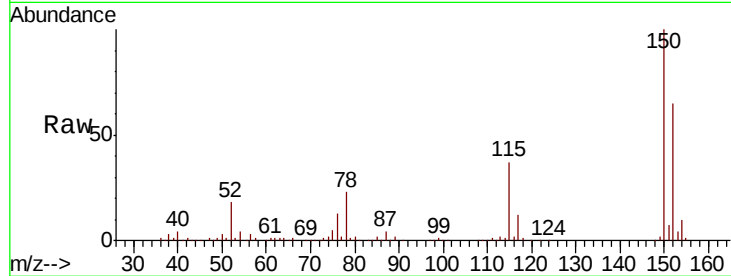


#1

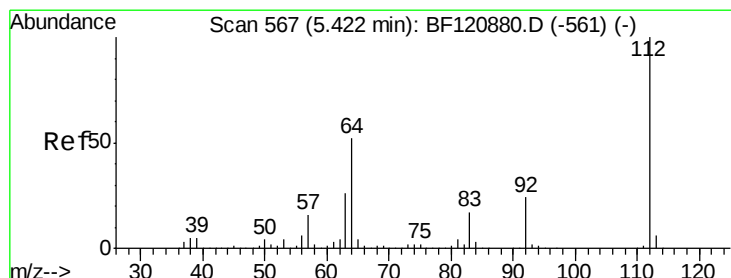
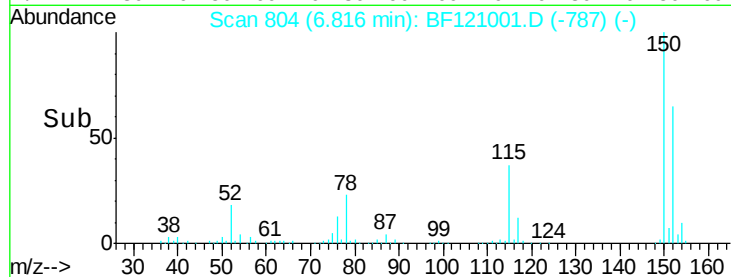
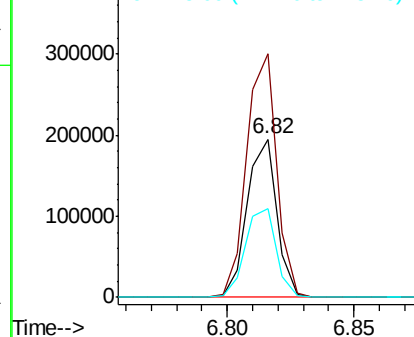
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158960
Ion Ratio Lower Upper
152 100
150 153.6 125.0 187.6
115 56.3 47.0 70.4



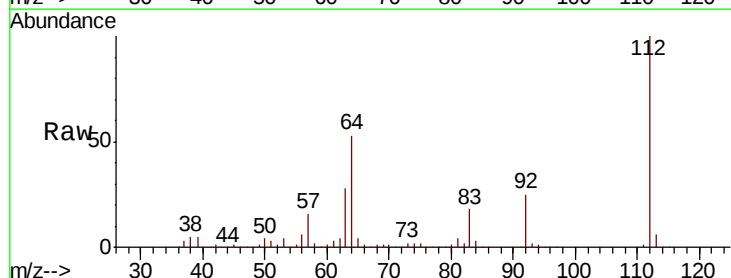
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



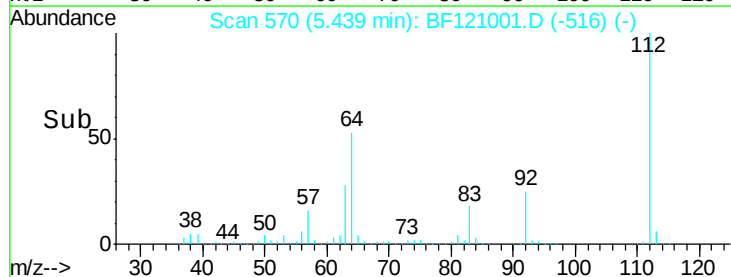
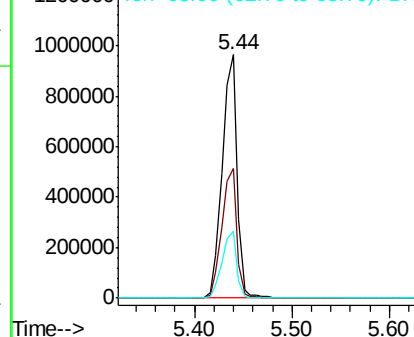
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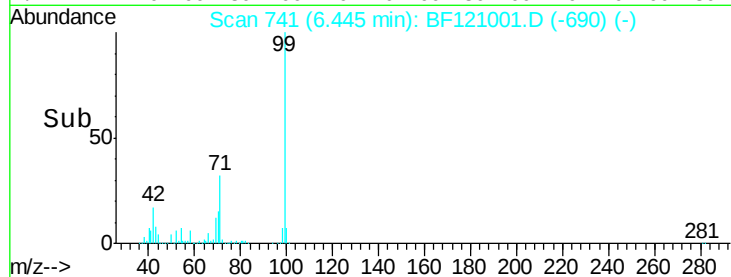
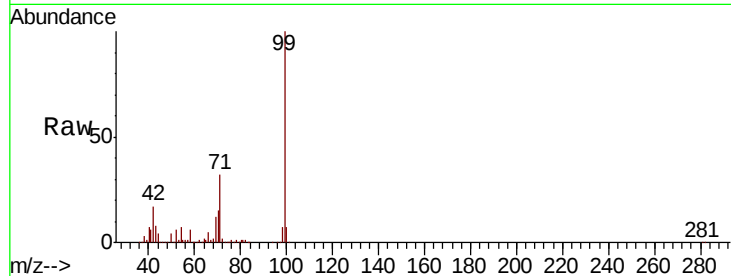
2-Fluorophenol
Concen: 104.895 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Tgt Ion:112 Resp: 1017114
Ion Ratio Lower Upper
112 100
64 53.3 41.3 61.9
63 27.5 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: 89.698 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121001.D

Acq: 24 Jul 2020 14:15

Instrument :

BNA_F

ClientSampleId :

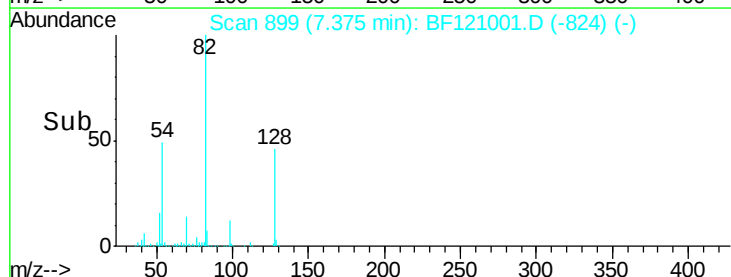
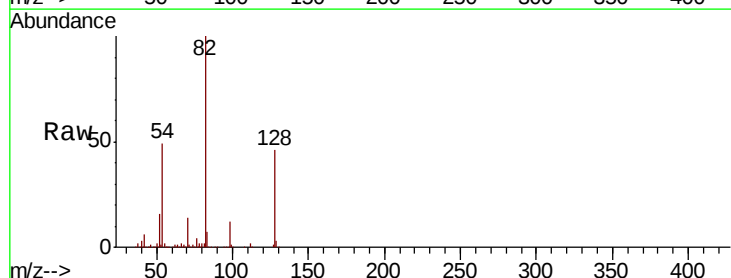
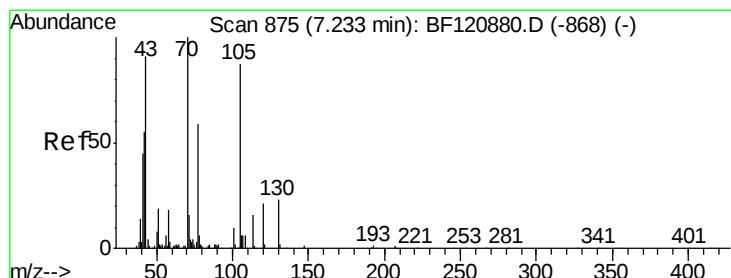
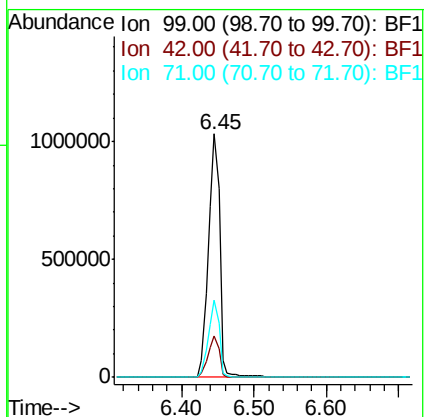
Tot Ion: 99 Resp: 1123502

Ion Ratio Lower Upper

99 100

42 17.1 13.1 19.7

71 31.7 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.424 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121001.D

Acq: 24 Jul 2020 14:15

Tgt Ion: 70 Resp: 109854

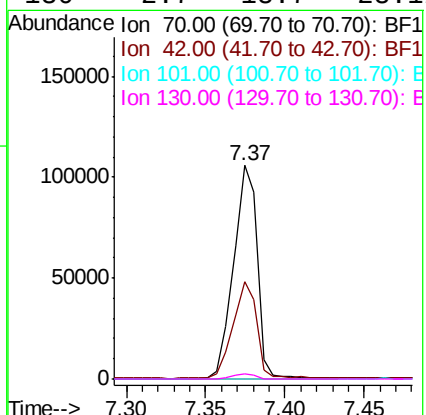
Ion Ratio Lower Upper

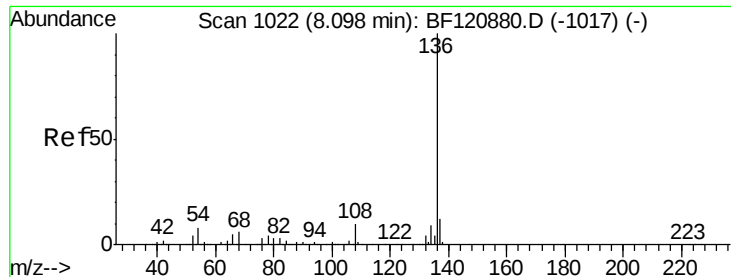
70 100

42 45.8 44.0 66.0

101 0.0 7.8 11.6#

130 2.7 18.7 28.1#

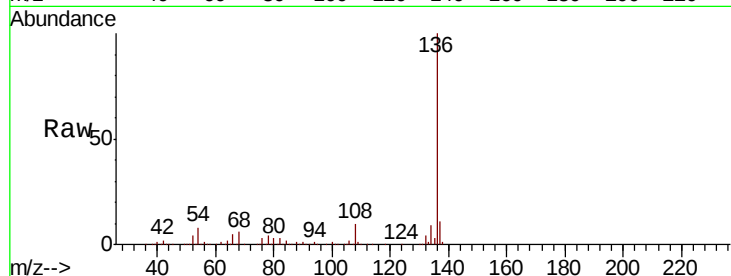




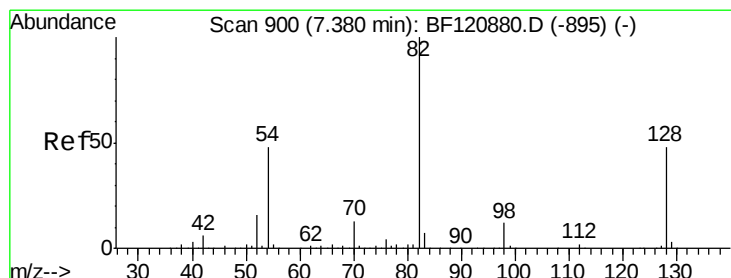
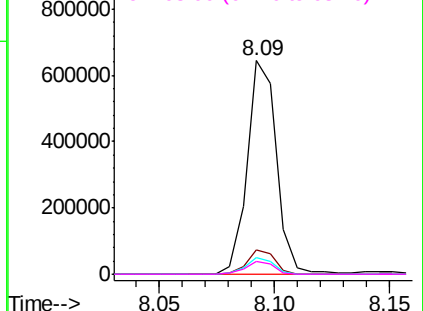
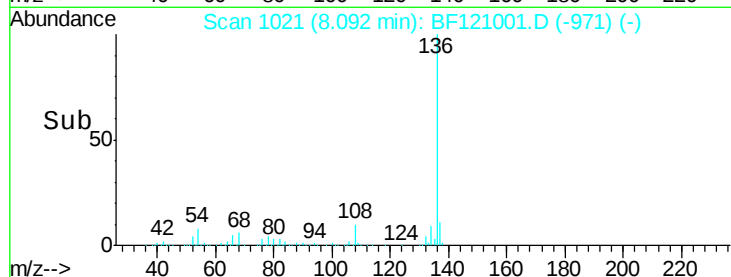
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	572653	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.3	13.9	
54 7.7	6.3	9.5	
68 6.2	5.0	7.4	

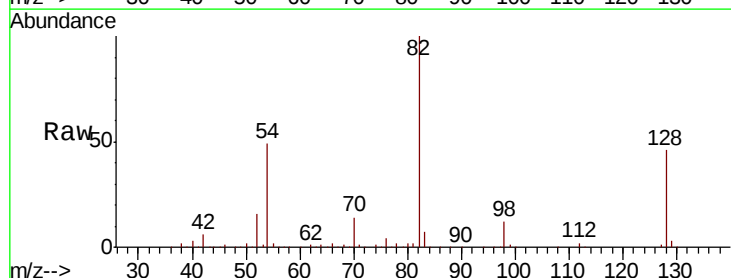


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

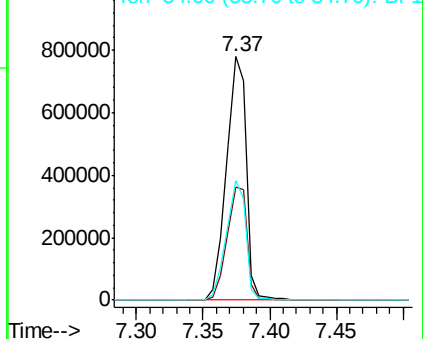
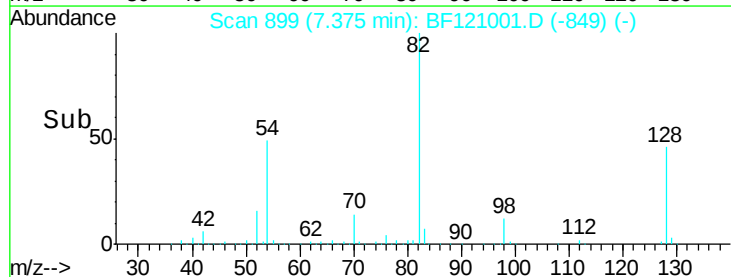


#23
Nitrobenzene-d5
Concen: 83.512 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Tgt Ion: 82	Resp: 826488
Ion Ratio	Lower Upper
82 100	
128 46.5	38.2 57.4
54 49.1	38.7 58.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

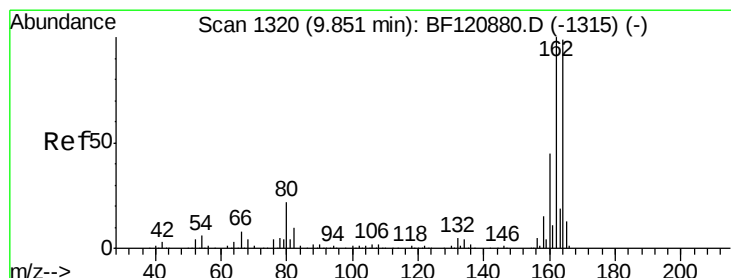
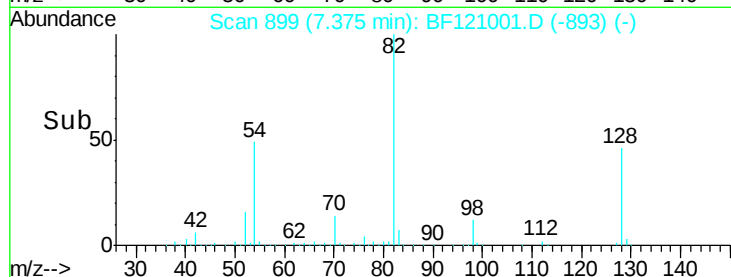
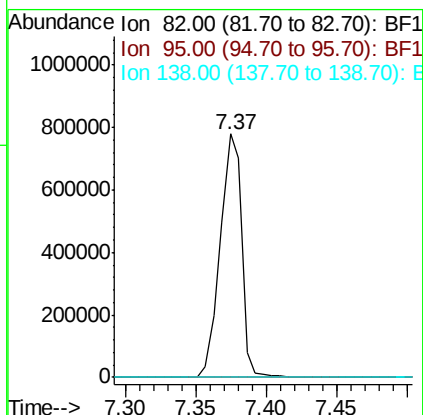
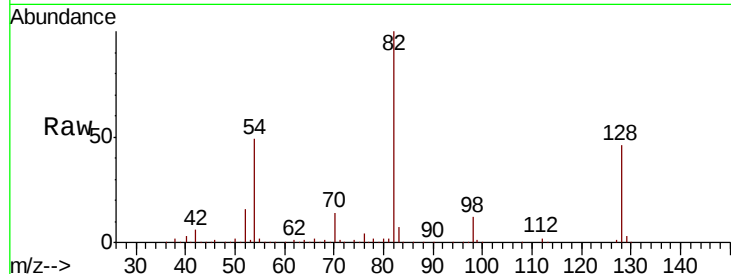




#25
Isophorone
Concen: 41.843 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

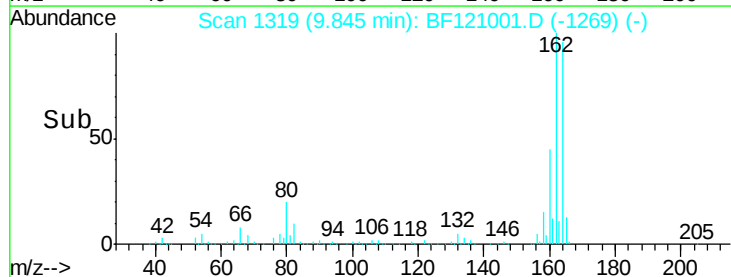
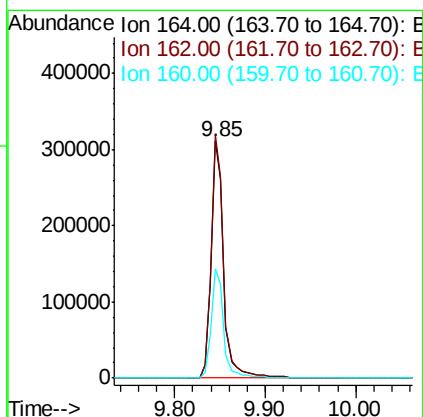
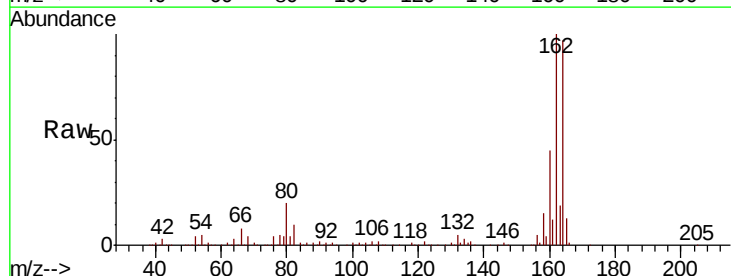
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 826474
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# 1319
Delta R.T. -0.01 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Tgt Ion: 164 Resp: 303898
Ion Ratio Lower Upper
164 100
162 102.7 81.2 121.8
160 46.3 36.9 55.3

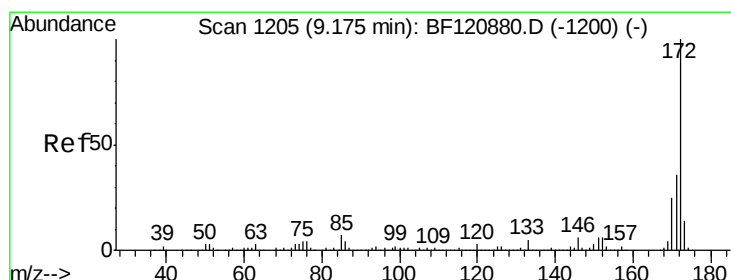
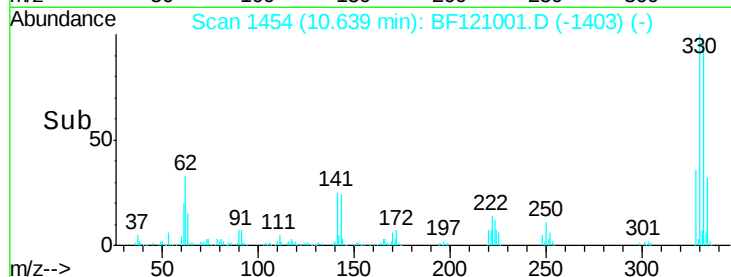
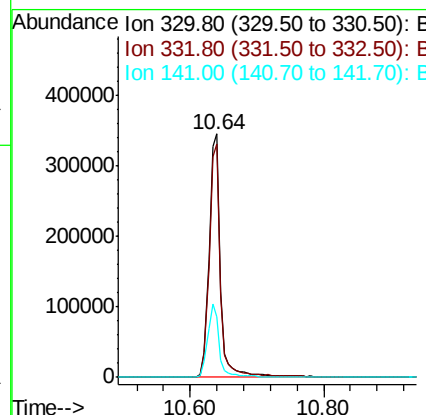
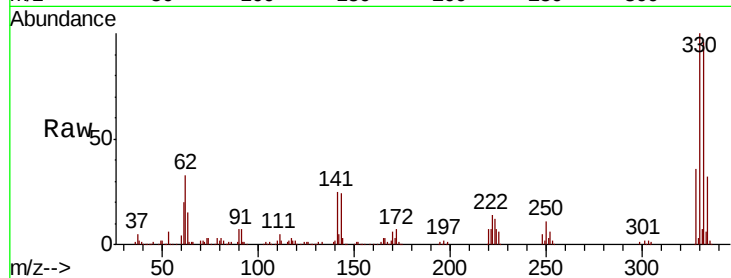




#42
 2,4,6-Tribromophenol
 Concen: 121.924 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF121001.D
 Acq: 24 Jul 2020 14:15

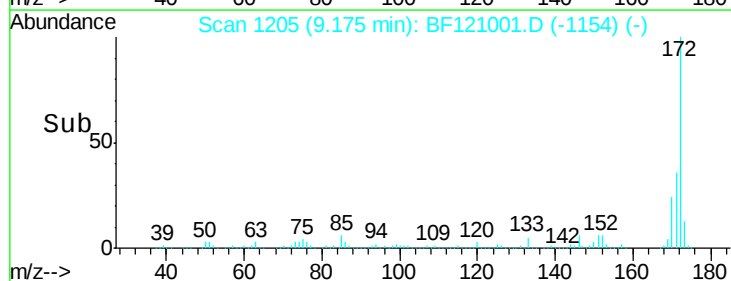
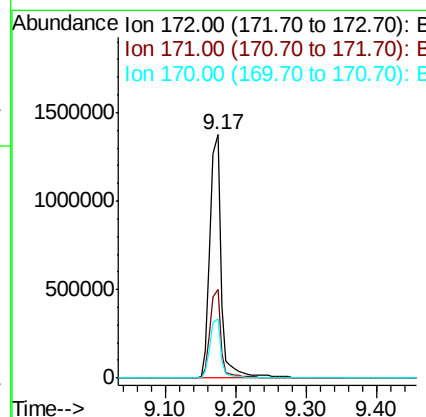
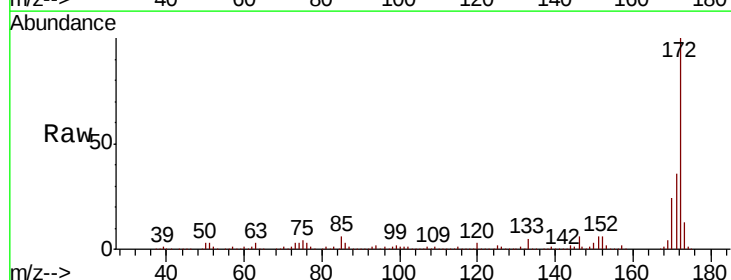
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.5	113.3
141	30.7	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 75.984 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF121001.D
 Acq: 24 Jul 2020 14:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.6	29.4

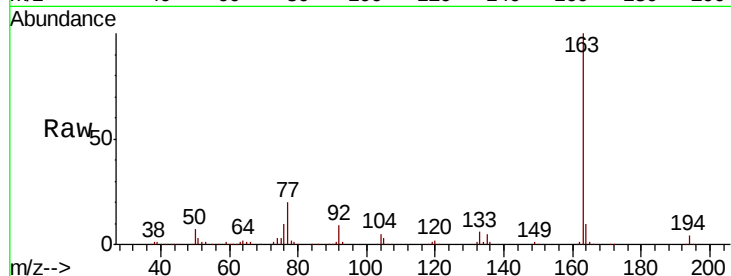




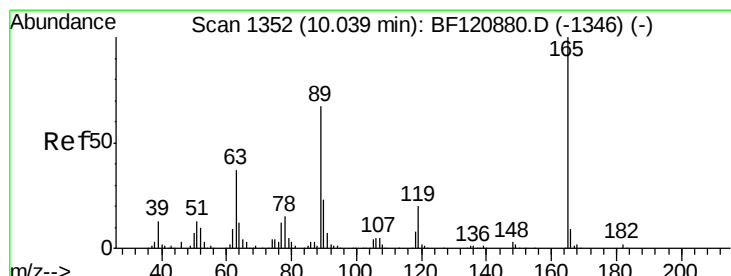
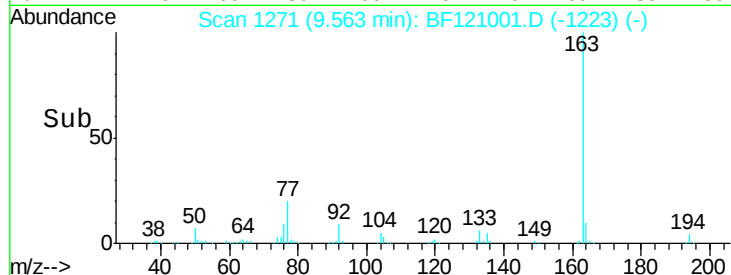
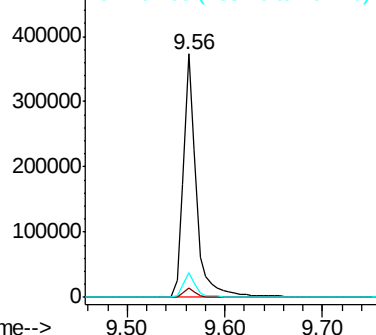
#50
Dimethylphthalate
Concen: 15.886 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 348301
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.1 7.9 11.9

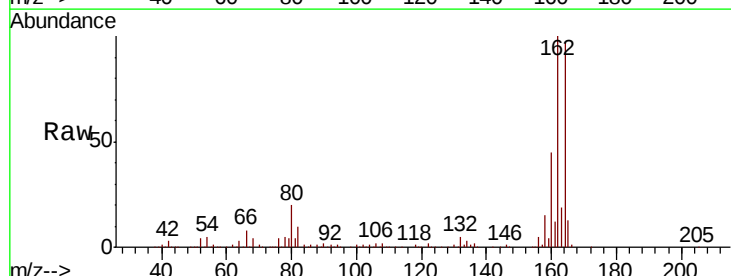


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

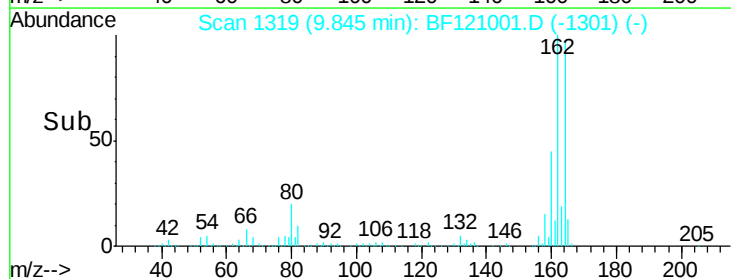
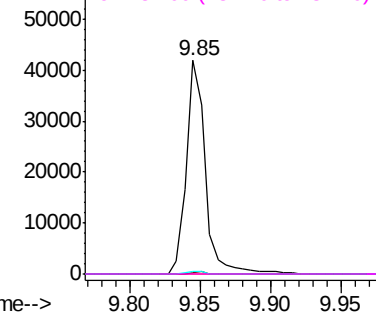


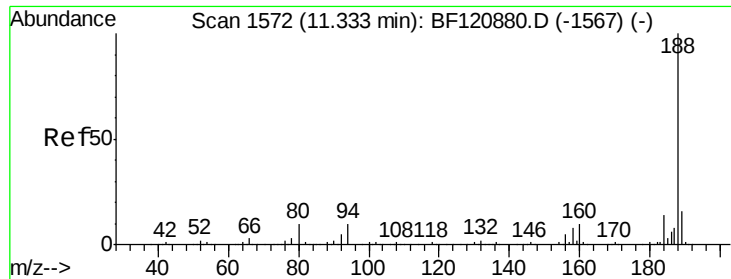
#57
2,4-Dinitrotoluene
Concen: 6.376 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Tgt Ion:165 Resp: 39437
Ion Ratio Lower Upper
165 100
63 0.8 29.4 44.2#
89 1.0 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

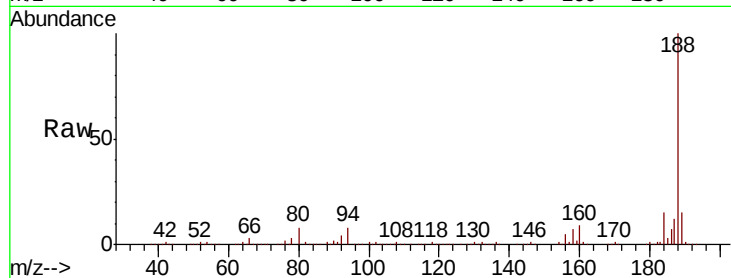




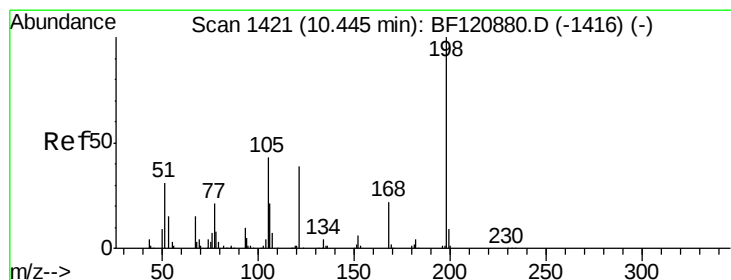
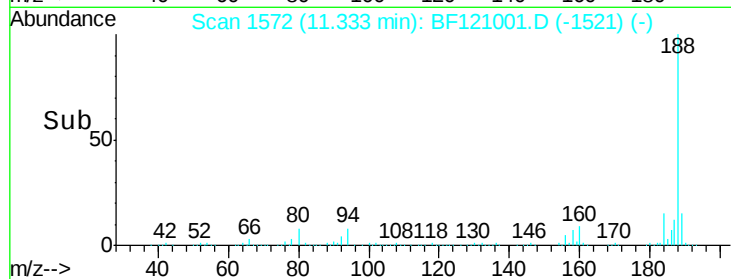
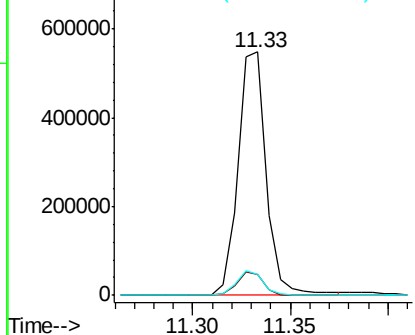
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF121001.D
 Acq: 24 Jul 2020 14:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.0	12.0
80	8.5	8.3	12.5

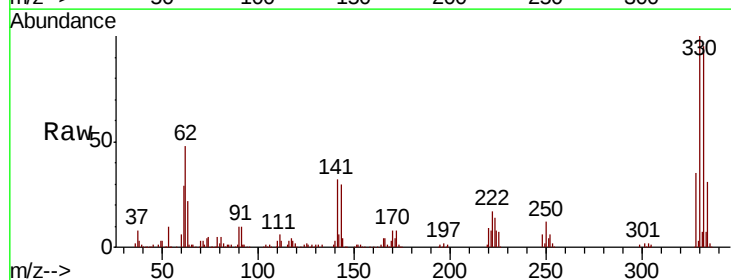


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

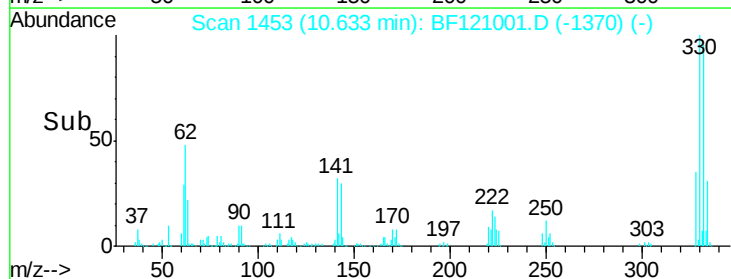
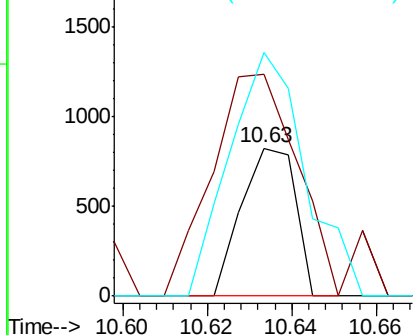


#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.055 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.19 min
 Lab File: BF121001.D
 Acq: 24 Jul 2020 14:15

Tgt Ion	Ratio	Lower	Upper
198	100		
51	149.7	19.5	59.5#
105	164.7	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

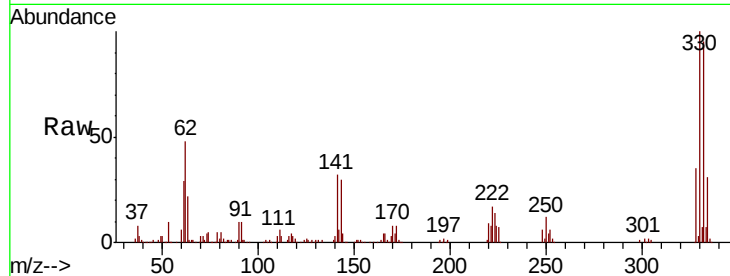




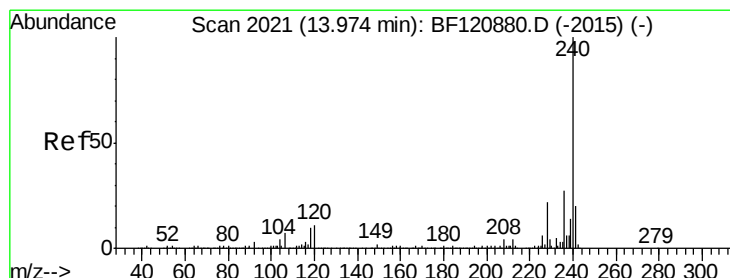
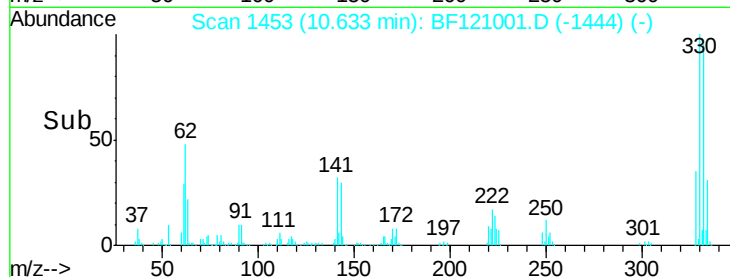
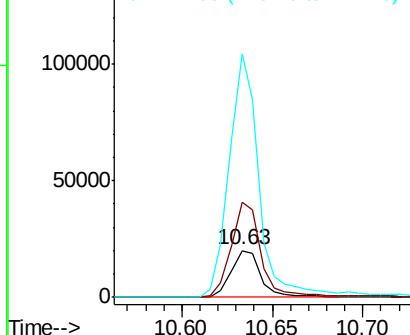
#67
4-Bromophenyl-phenylether
Concen: 3.715 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 22765
Ion Ratio Lower Upper
248 100
250 204.1 77.1 115.7#
141 523.7 61.2 91.8#

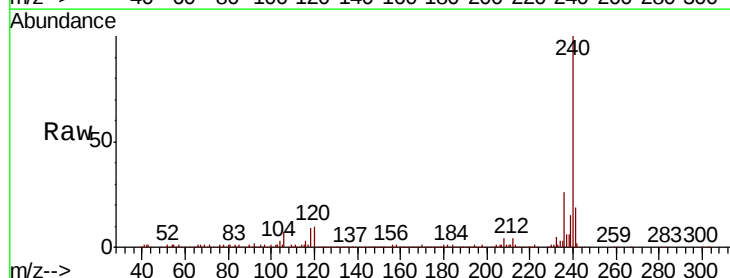


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

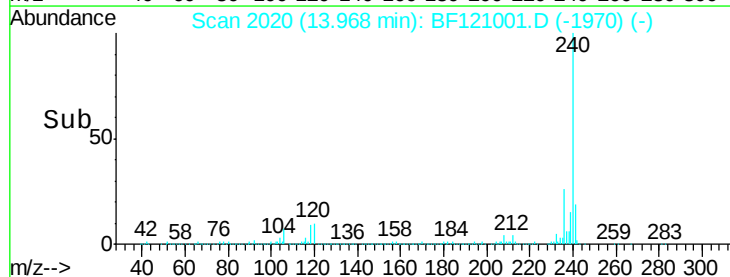
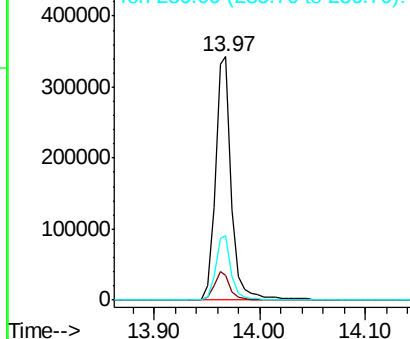


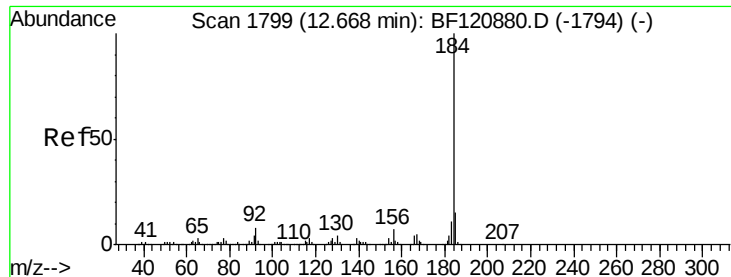
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121001.D
Acq: 24 Jul 2020 14:15

Tgt Ion:240 Resp: 370097
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 26.4 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: 2.088 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF121001.D

Acq: 24 Jul 2020 14:15

Instrument :

BNA_F

ClientSampleId :

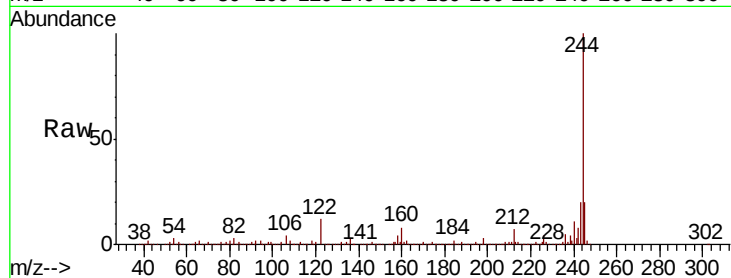
Tot Ion:184 Resp: 20320

Ion Ratio Lower Upper

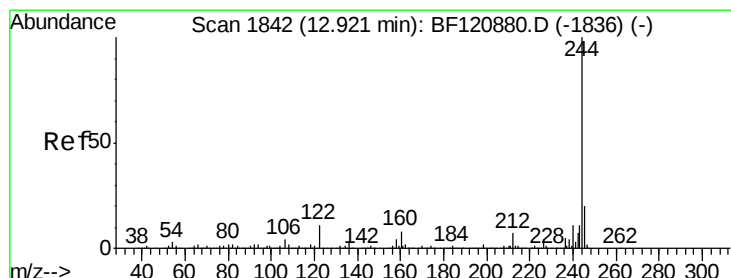
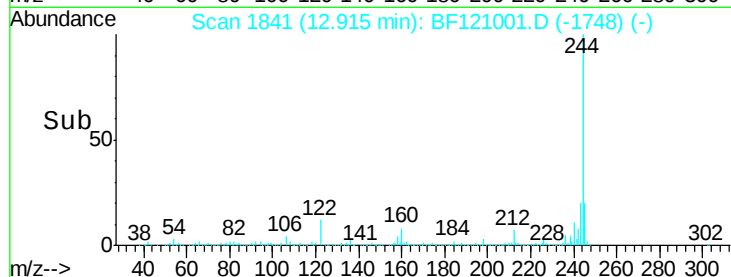
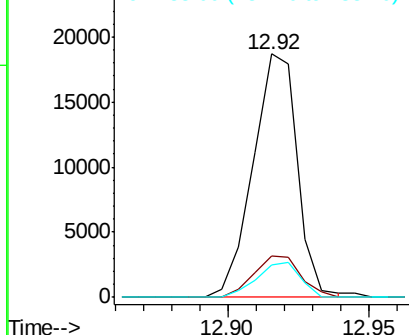
184 100

185 16.7 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: 83.735 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF121001.D

Acq: 24 Jul 2020 14:15

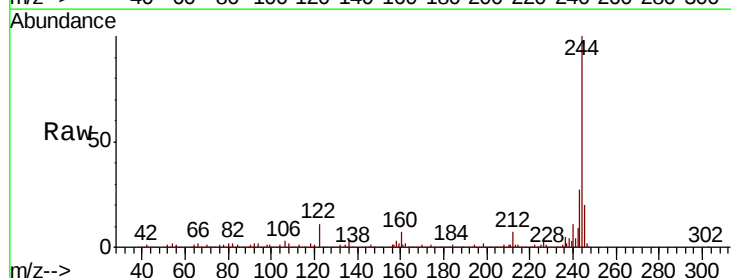
Tgt Ion:244 Resp: 1425631

Ion Ratio Lower Upper

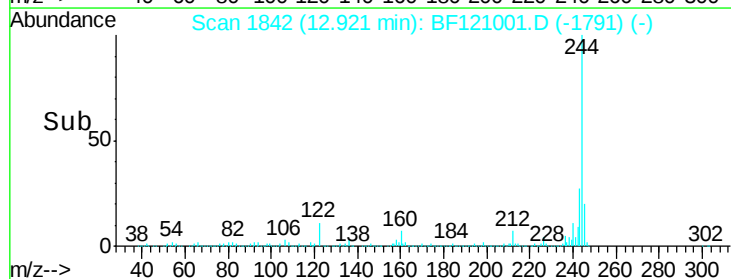
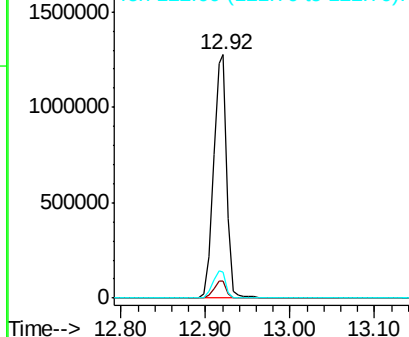
244 100

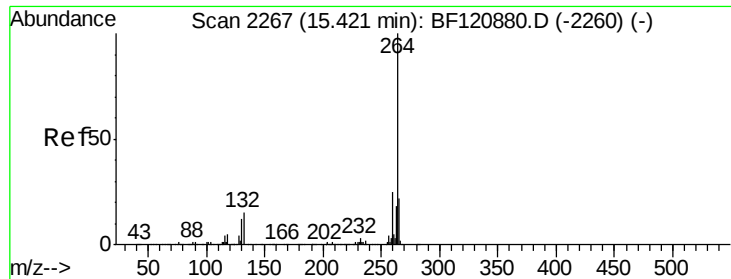
212 7.1 5.6 8.4

122 10.5 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

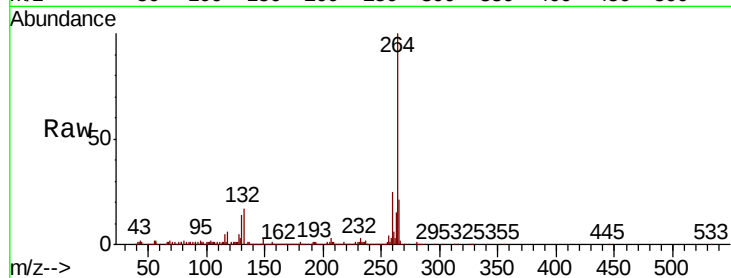




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF121001.D
 Acq: 24 Jul 2020 14:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	21.5	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

