

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118188.D
 Acq On : 13 Dec 2019 16:11
 Operator : JU
 Sample : K6235-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 22:46:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	123402	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	476288	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	245339	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	432942	20.00	ng	0.00
76) Chrysene-d12	14.06	240	260516	20.00	ng	-0.01
87) Perylene-d12	15.55	264	265405	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	396160	56.23	ng	0.00
7) Phenol-d6	6.49	99	300284	35.24	ng	0.00
23) Nitrobenzene-d5	7.43	82	723086	85.41	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	410341	137.68	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1416761	87.87	ng	0.00
79) Terphenyl-d14	13.00	244	1587995	104.82	ng	0.00

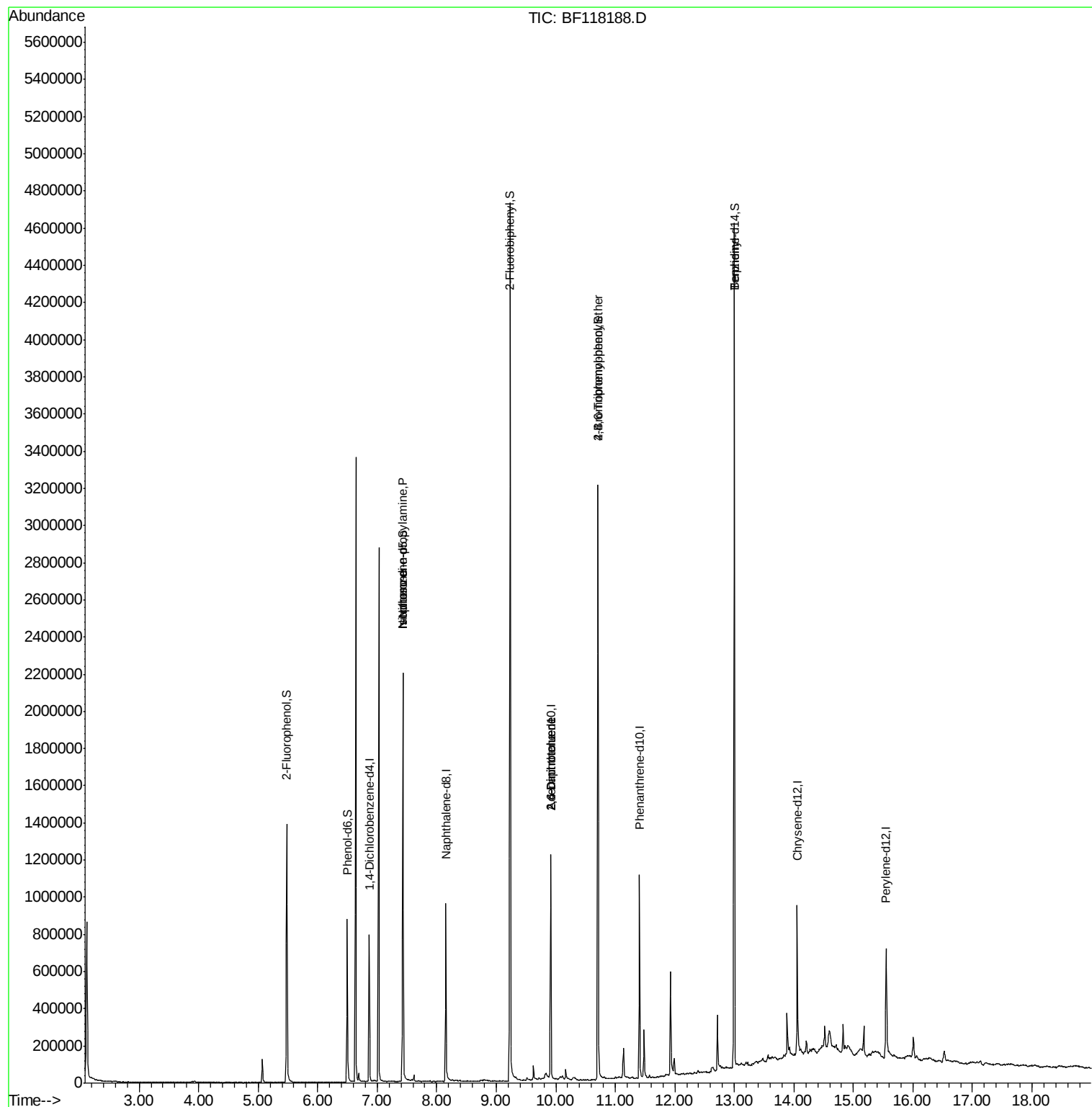
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	18953	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.43	70	99440	19.203	ng	# 76
25) Isophorone	7.43	82	719163	50.109	ng	# 62
51) 2,6-Dinitrotoluene	9.92	165	31003	7.868	ng	# 28
57) 2,4-Dinitrotoluene	9.92	165	31003	5.895	ng	# 26
67) 4-Bromophenyl-phenylether	10.71	248	26359	5.334	ng	# 1
77) Benizidine	13.00	184	22889	3.338	ng	# 95

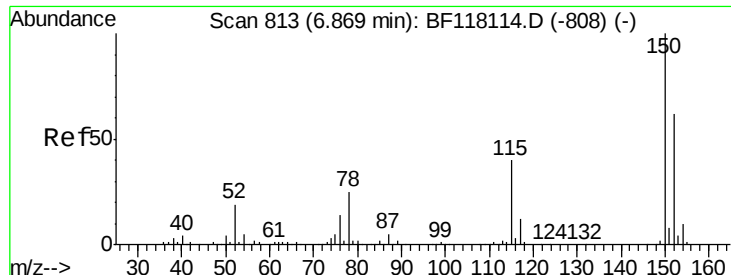
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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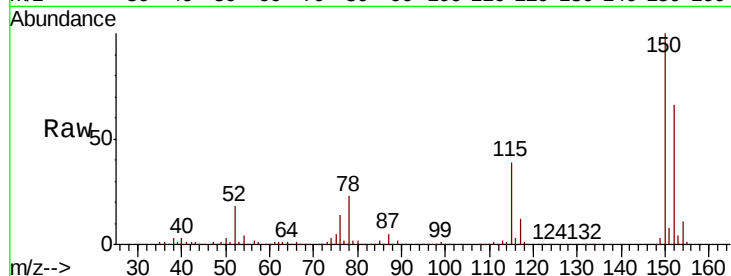


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118188.D
Acq: 13 Dec 2019 16:11

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	128.3	192.5
115	58.2	51.1	76.7

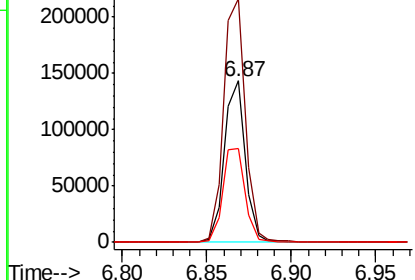
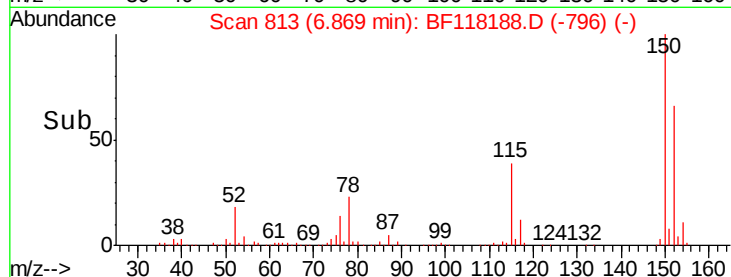


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

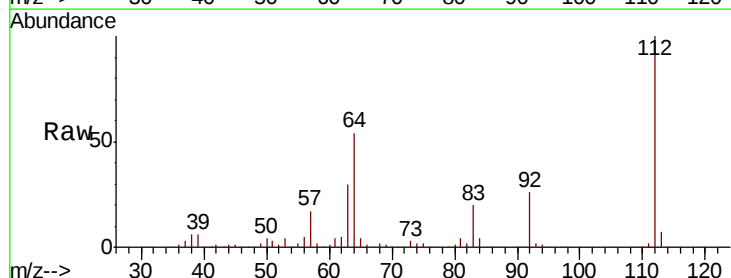
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.228 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118188.D
Acq: 13 Dec 2019 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	41.3	61.9
63	30.0	22.4	33.6

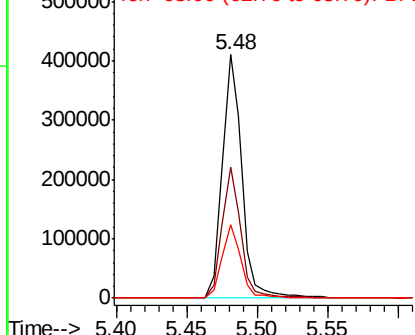
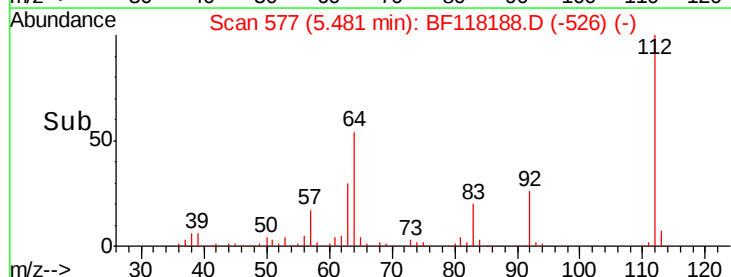


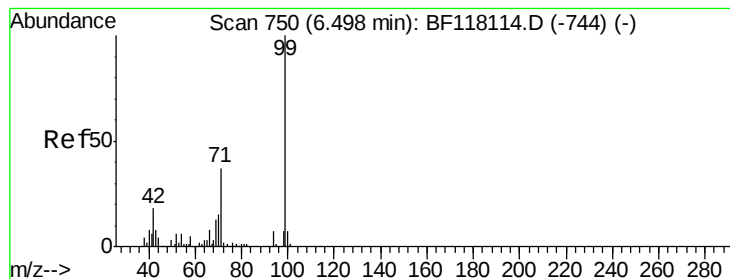
Abundance

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: 35.237 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

Instrument :

BNA_F

ClientSampleId :

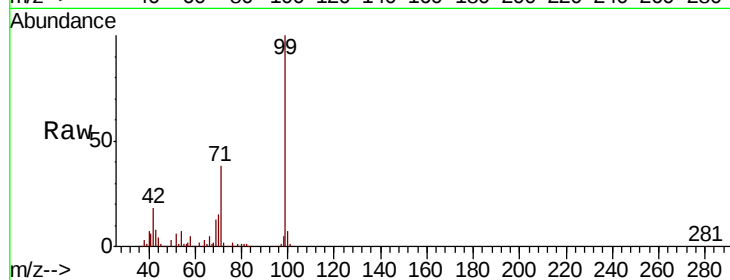
Tot Ion: 99 Resp: 300284

Ion Ratio Lower Upper

99 100

42 17.8 14.1 21.1

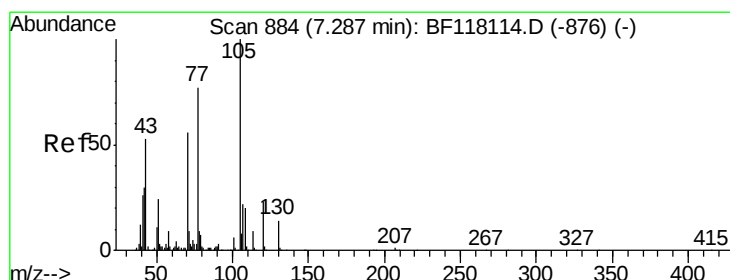
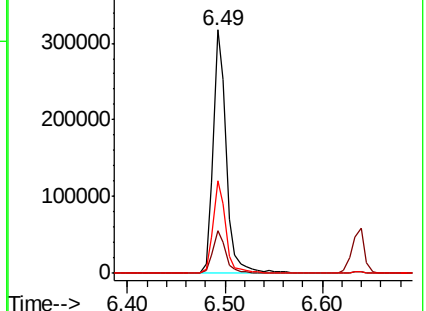
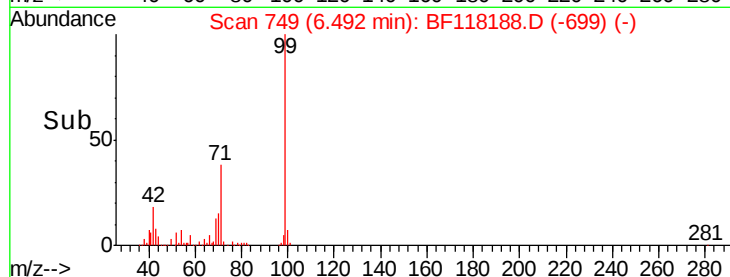
71 38.0 29.7 44.5



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: 19.203 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

Tgt Ion: 70 Resp: 99440

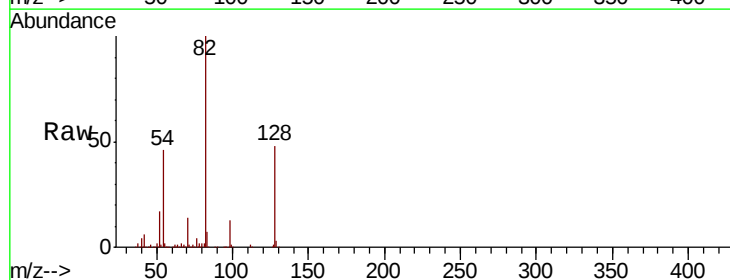
Ion Ratio Lower Upper

70 100

42 44.2 43.2 64.8

101 0.0 8.1 12.1#

130 1.6 19.8 29.8#

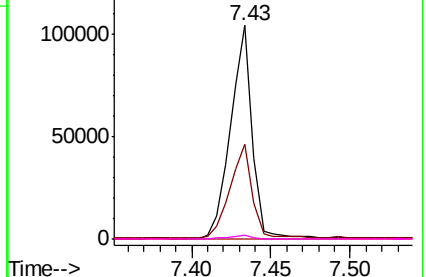
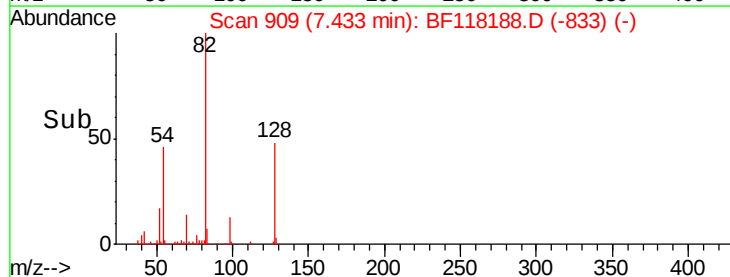


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

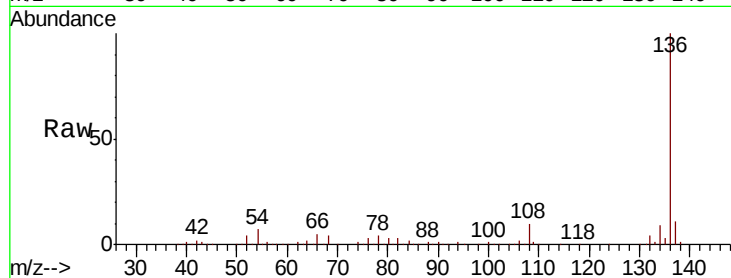




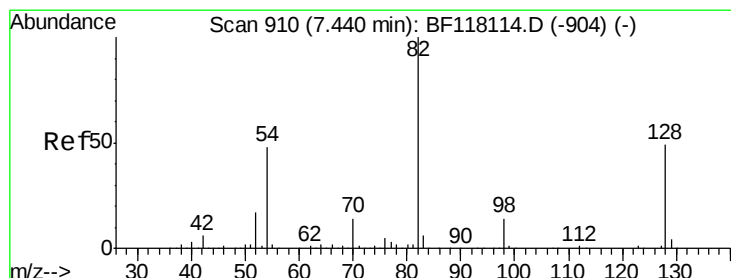
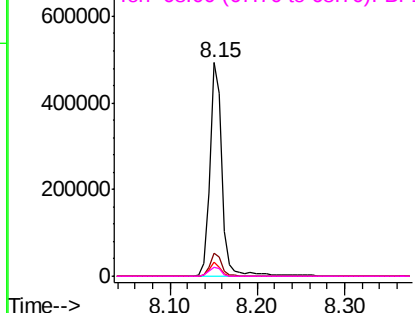
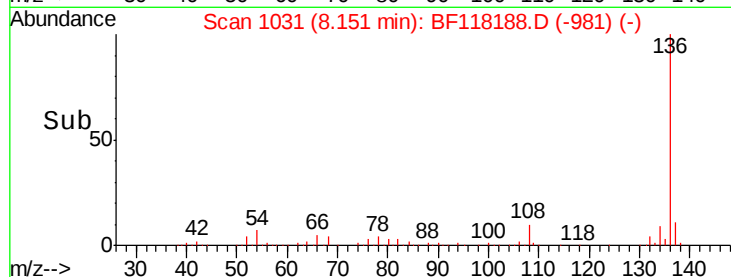
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118188.D
Acq: 13 Dec 2019 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 476288
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 6.6 5.0 7.6
68 4.4 3.8 5.8

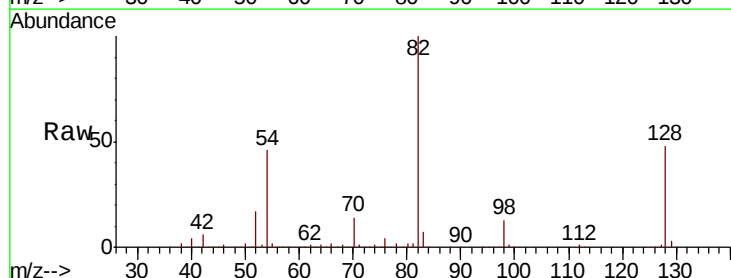


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

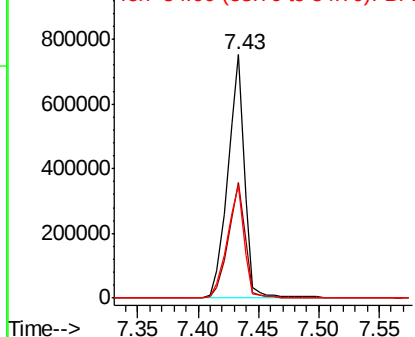
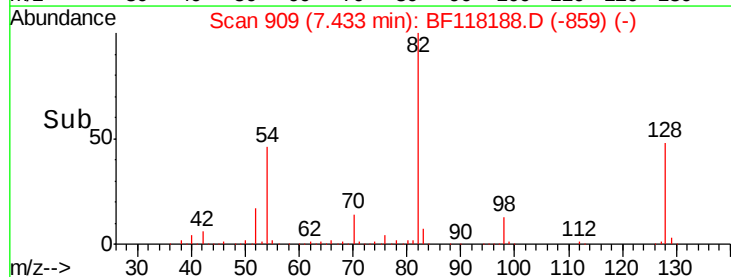


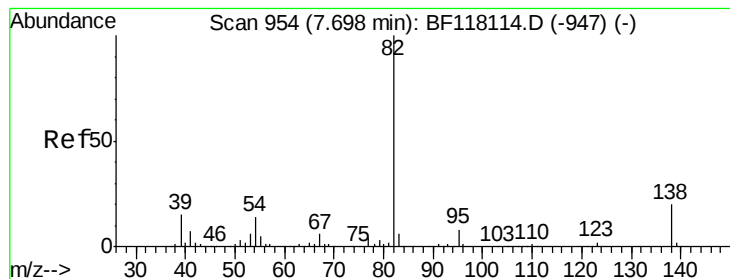
#23
Nitrobenzene-d5
Concen: 85.409 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118188.D
Acq: 13 Dec 2019 16:11

Tgt Ion: 82 Resp: 723086
Ion Ratio Lower Upper
82 100
128 47.7 39.1 58.7
54 46.3 38.2 57.2



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: 50.109 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

Instrument :

BNA_F

ClientSampled :

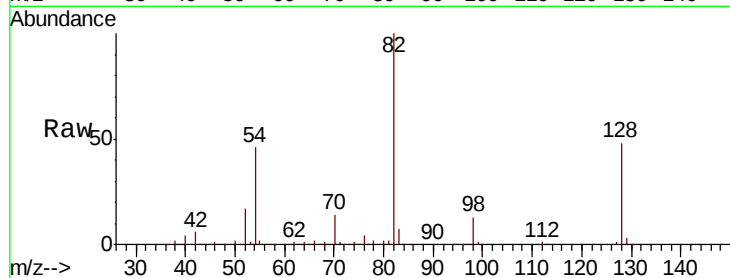
Tot Ion: 82 Resp: 719163

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

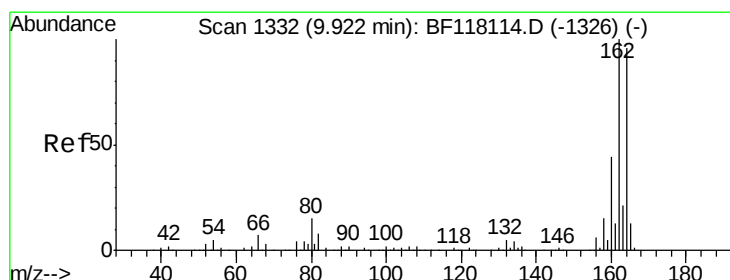
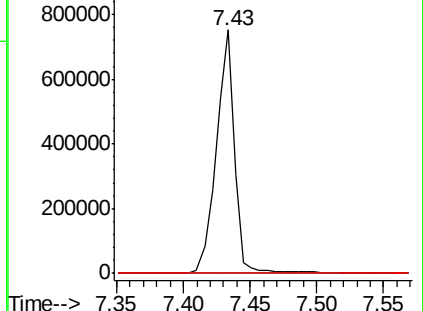
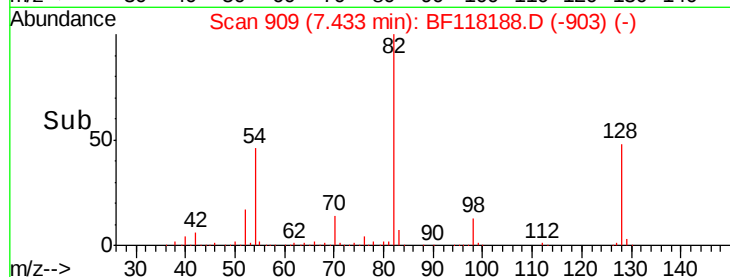
138 0.0 16.3 24.5#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

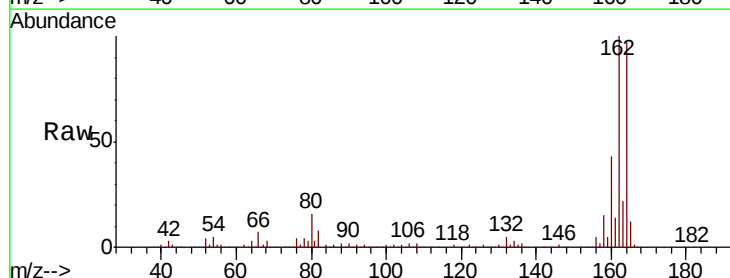
Tgt Ion: 164 Resp: 245339

Ion Ratio Lower Upper

164 100

162 102.6 83.4 125.0

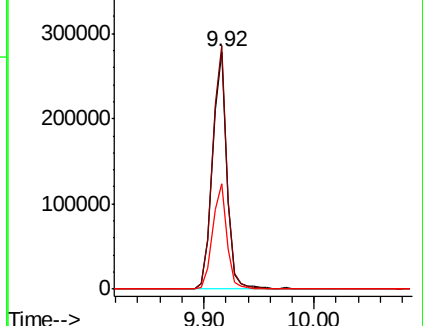
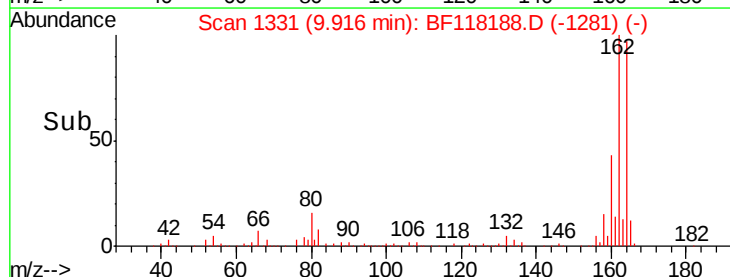
160 44.5 36.6 54.8

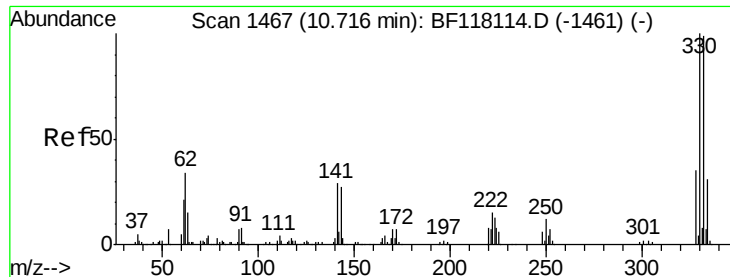


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 137.679 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

Instrument :

BNA_F

ClientSampleId :

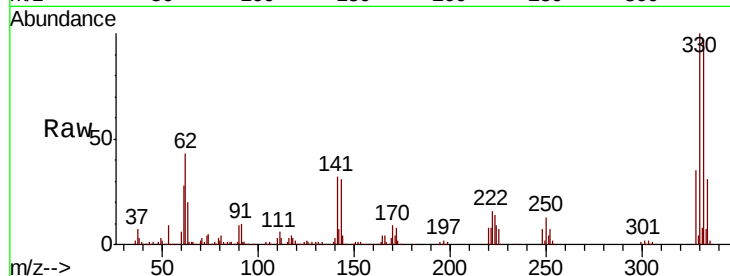
Tot Ion:330 Resp: 410341

Ion Ratio Lower Upper

330 100

332 96.5 78.1 117.1

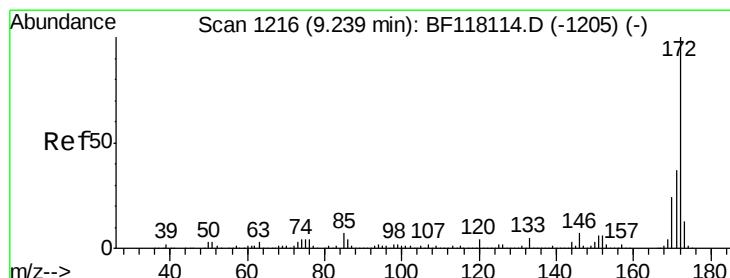
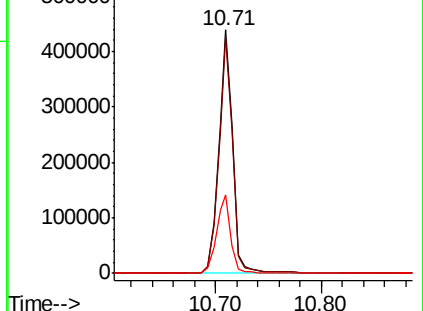
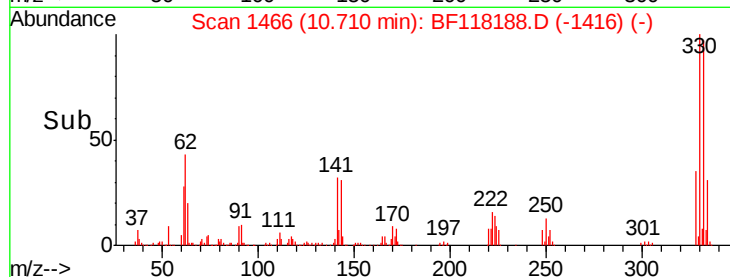
141 32.6 26.9 40.3



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: 87.871 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

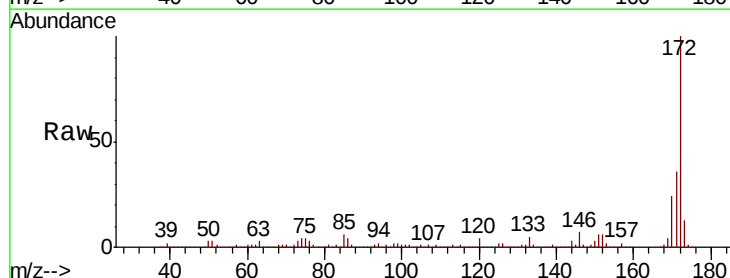
Tgt Ion:172 Resp: 1416761

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

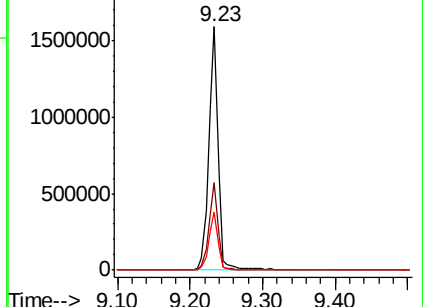
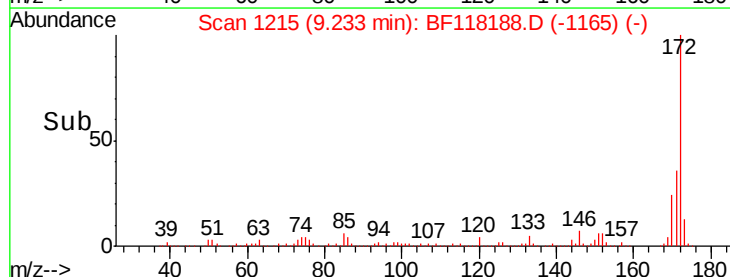
170 24.0 19.4 29.2

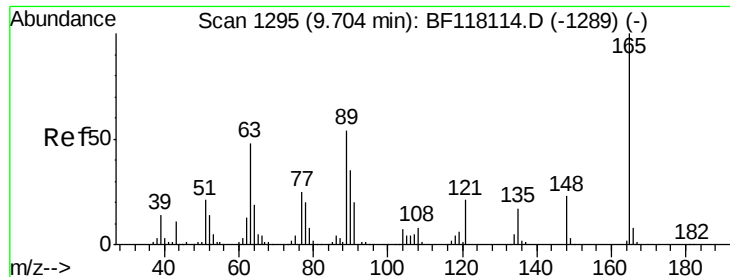


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

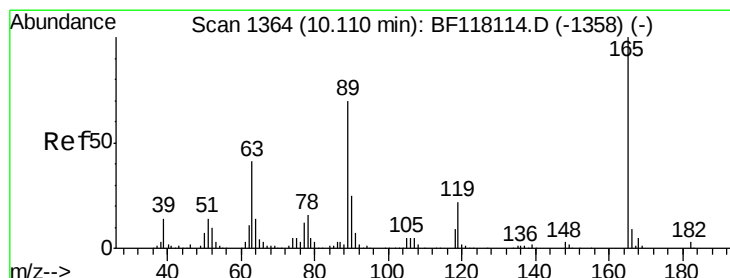
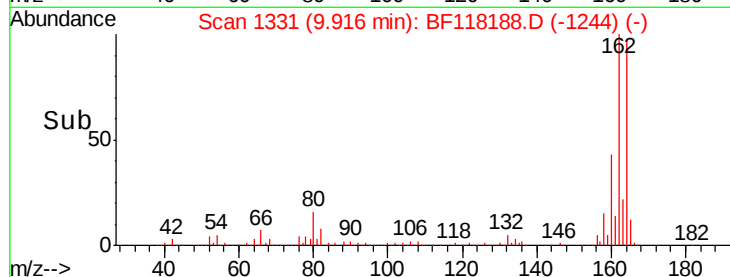
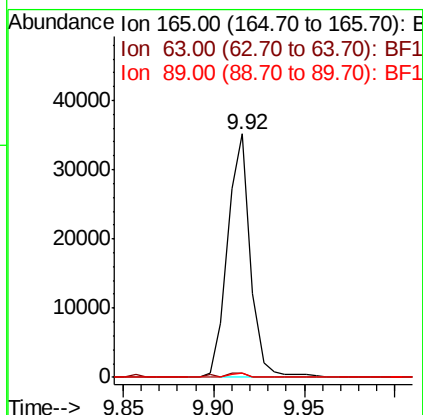
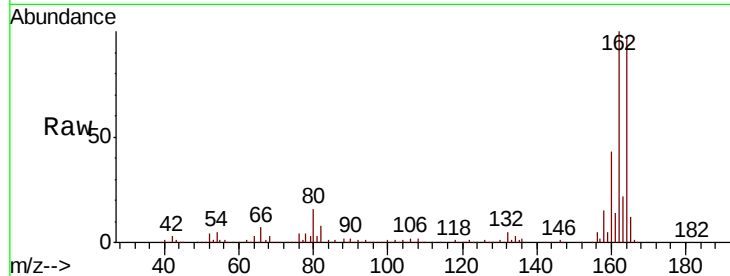




#51
 2,6-Dinitrotoluene
 Concen: 7.868 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF118188.D
 Acq: 13 Dec 2019 16:11

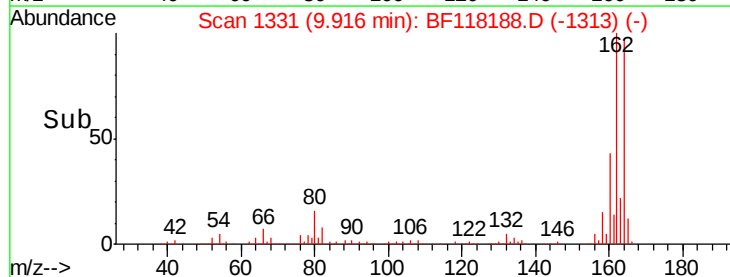
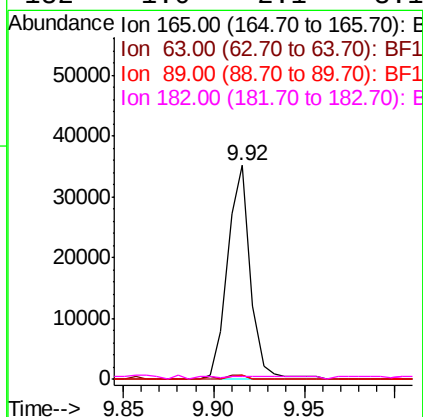
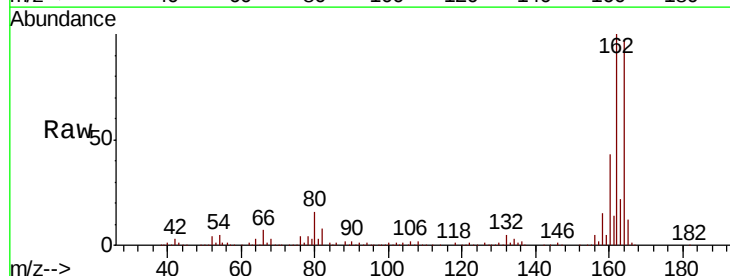
Instrument :
 BNA_F
 ClientSampleId :

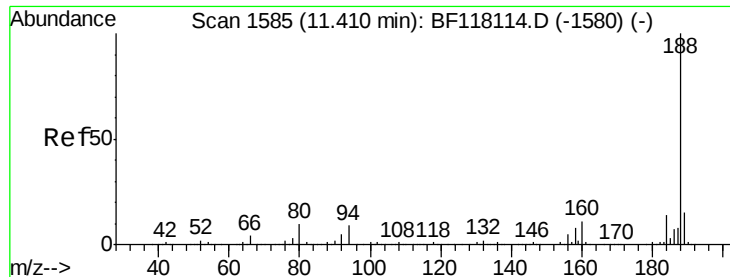
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.4	62.0#
89	2.0	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.895 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118188.D
 Acq: 13 Dec 2019 16:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	32.6	49.0#
89	2.0	56.1	84.1#
182	1.0	2.1	3.1#

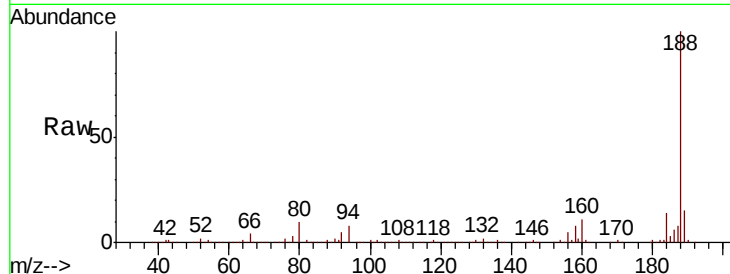




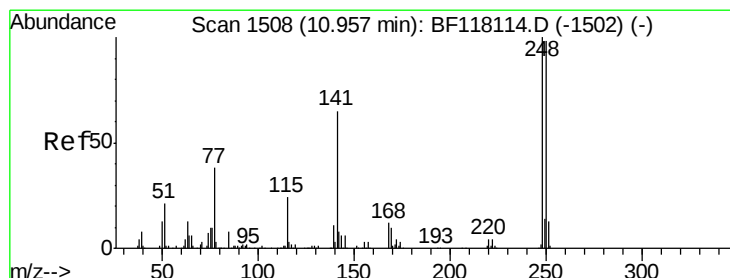
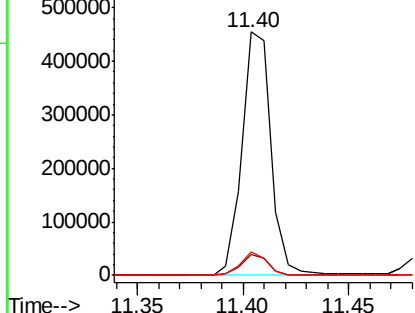
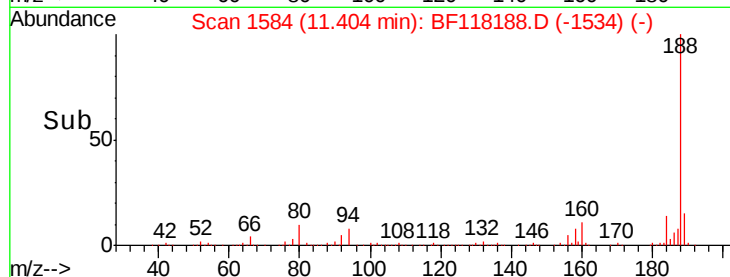
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118188.D
 Acq: 13 Dec 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 432942
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.1 10.7
 80 9.6 7.9 11.9

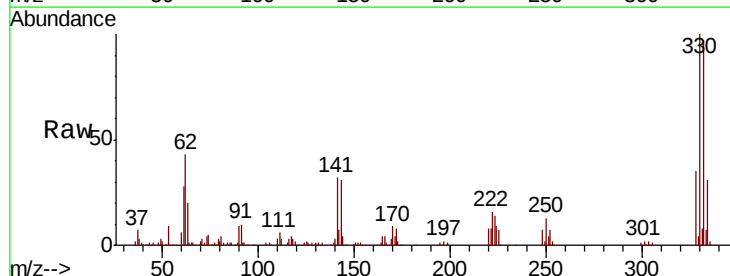


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

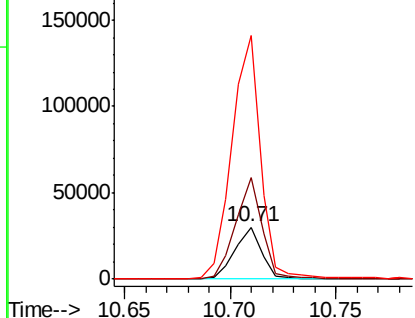
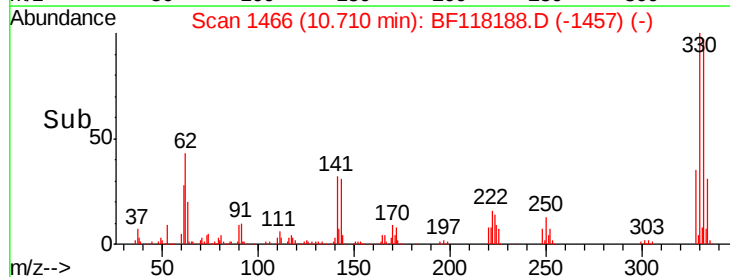


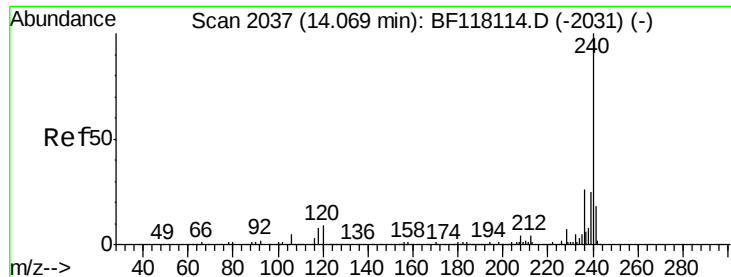
#67
 4-Bromophenyl-phenylether
 Concen: 5.334 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118188.D
 Acq: 13 Dec 2019 16:11

Tgt Ion:248 Resp: 26359
 Ion Ratio Lower Upper
 248 100
 250 196.5 78.3 117.5#
 141 468.4 52.2 78.4#



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

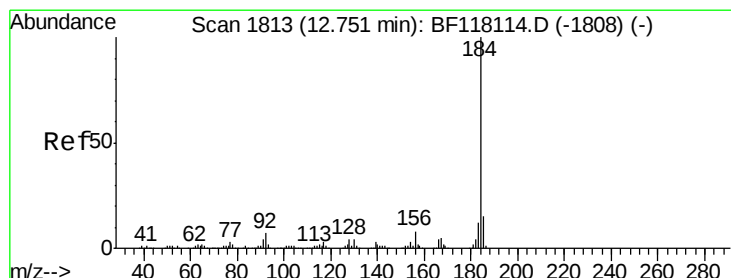
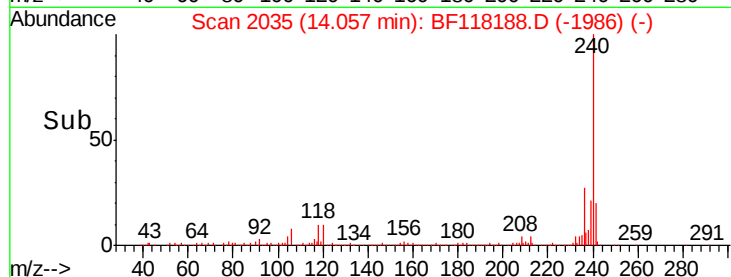
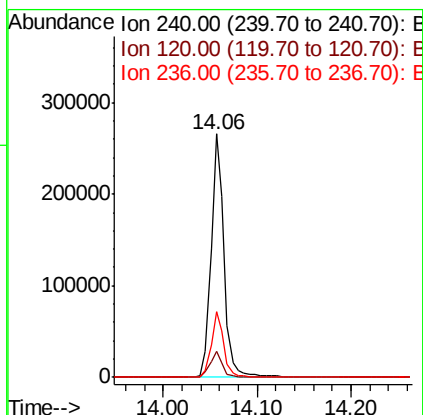
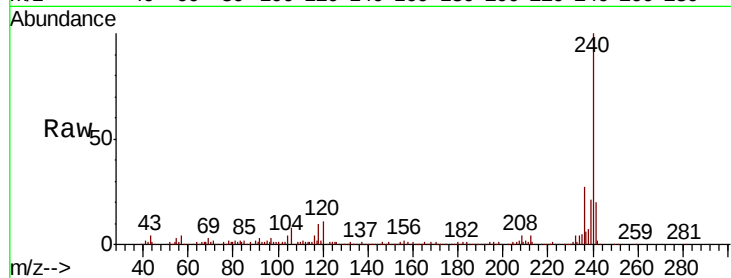




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118188.D
 Acq: 13 Dec 2019 16:11

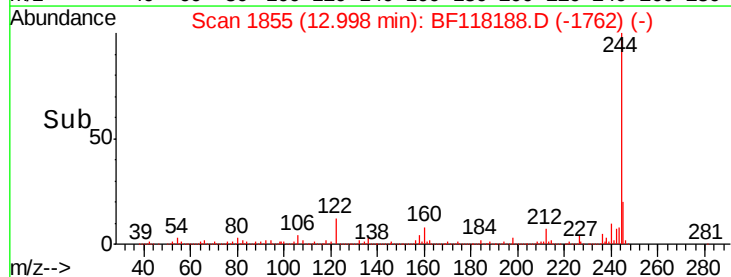
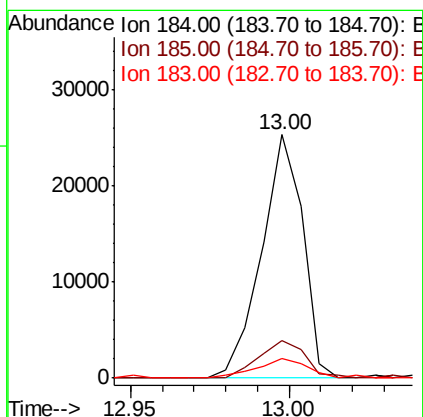
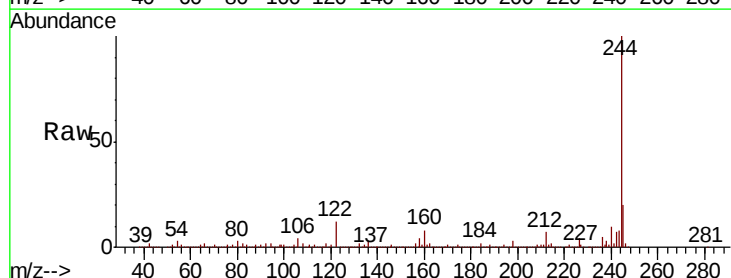
Instrument :
 BNA_F
 ClientSampleId :

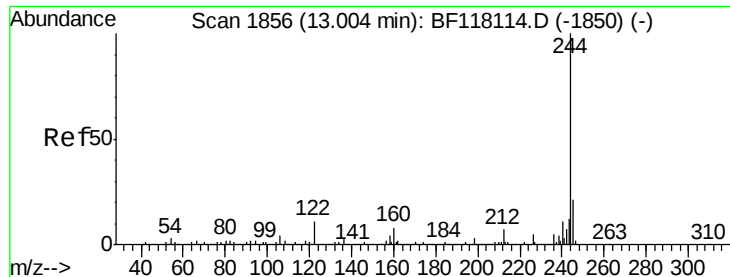
Tot Ion:240 Resp: 260516
 Ion Ratio Lower Upper
 240 100
 120 10.6 7.1 10.7
 236 27.2 21.0 31.6



#77
 Benzidine
 Concen: 3.338 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118188.D
 Acq: 13 Dec 2019 16:11

Tgt Ion:184 Resp: 22889
 Ion Ratio Lower Upper
 184 100
 185 15.2 12.3 18.5
 183 8.2 9.9 14.9#





#79

Terphenyl-d14

Concen: 104.821 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

Instrument :

BNA_F

ClientSampleId :

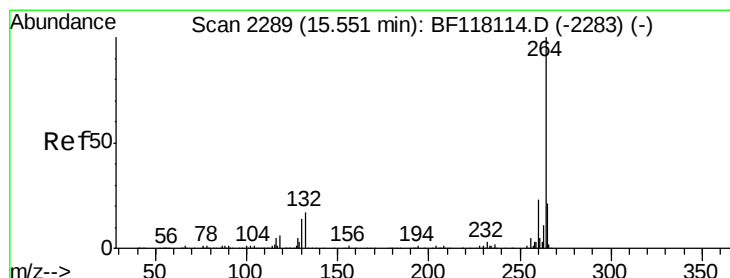
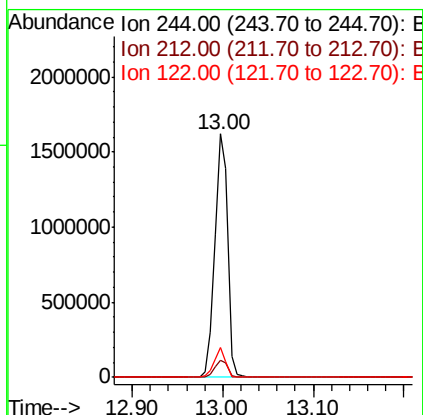
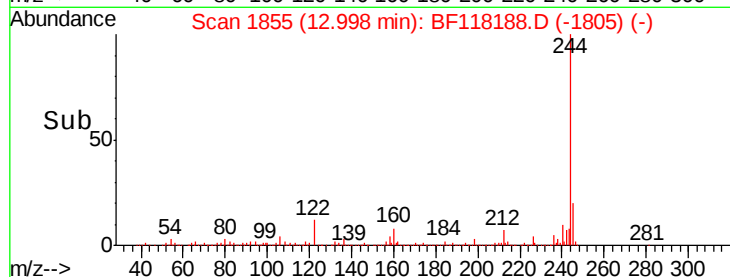
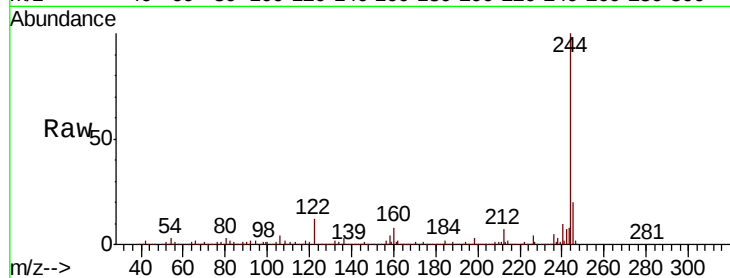
Tot Ion:244 Resp: 1587995

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 12.2 9.0 13.6



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118188.D

Acq: 13 Dec 2019 16:11

Tgt Ion:264 Resp: 265405

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 20.9 16.8 25.2

