

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117915.D
 Acq On : 21 Nov 2019 16:33
 Operator : JU
 Sample : K5904-02RX
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-(4-6)

Quant Time: Nov 22 00:23:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

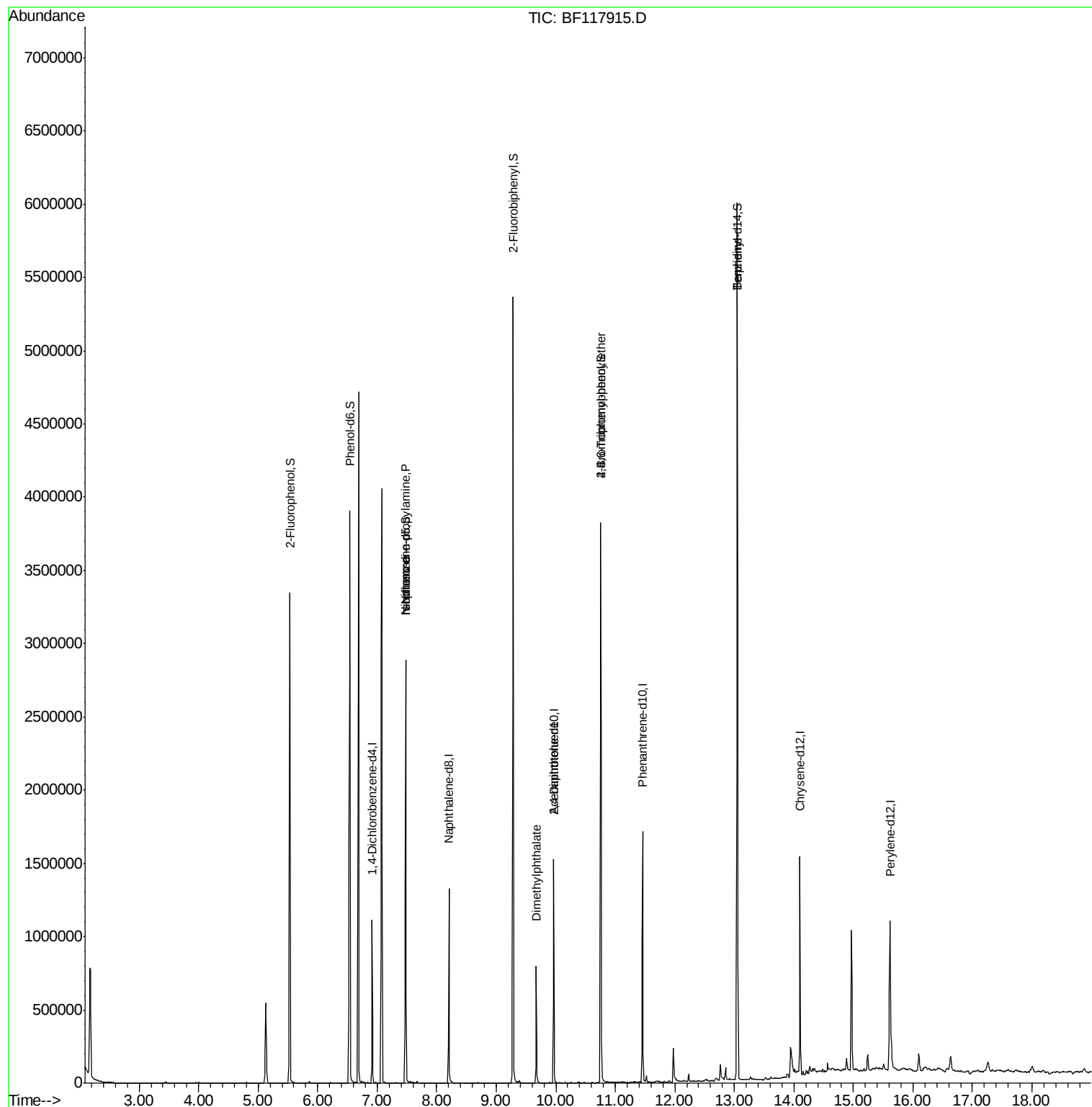
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	149012	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	594238	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	320937	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	620483	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	443659	20.00	ng	-0.01
87) Perylene-d12	15.62	264	489105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1018757	121.02	ng	0.00
7) Phenol-d6	6.54	99	1464231	144.21	ng	0.00
23) Nitrobenzene-d5	7.48	82	923959	92.43	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	470410	138.45	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1686866	94.30	ng	-0.01
79) Terphenyl-d14	13.05	244	2163006	89.10	ng	0.00
Target Compounds						
9) Benzaldehyde	6.54	77	2764	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.48	70	125008	19.956 ng	#	1
25) Isophorone	7.48	82	918520	50.133 ng	#	73
50) Dimethylphthalate	9.67	163	309061	13.733 ng	#	62
57) 2,4-Dinitrotoluene	9.96	165	41658	6.658 ng	#	98
67) 4-Bromophenyl-phenylether	10.76	248	29459	4.400 ng	#	24
75) Fluoranthene	12.67	202	963	Below Cal		1
77) Benzydine	13.05	184	30099	2.071 ng	#	63
						75

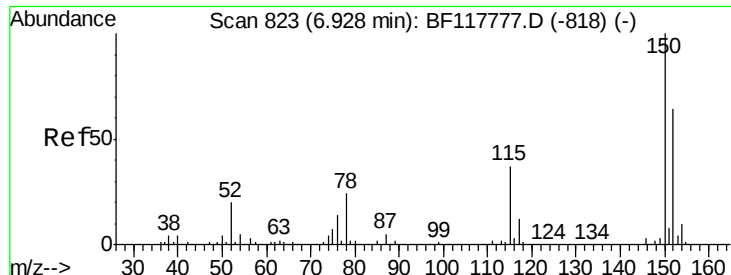
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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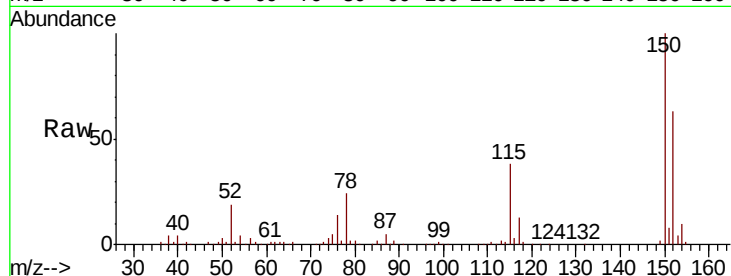


#1

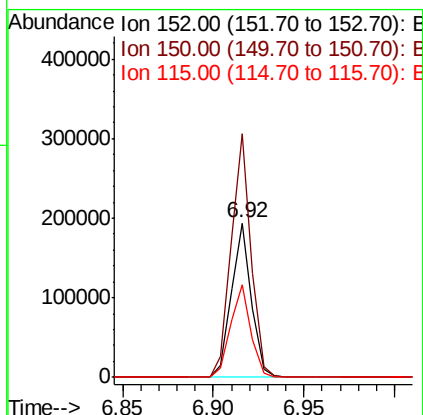
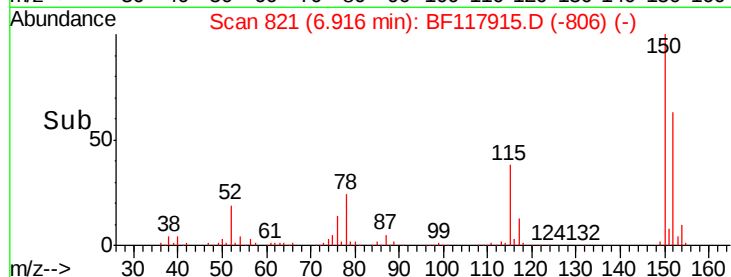
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

Instrument :
BNA_F
ClientSampleId :
1-(4-6)

Tot Ion:152 Resp: 149012
Ion Ratio Lower Upper
152 100
150 157.8 125.3 187.9
115 60.1 47.0 70.4



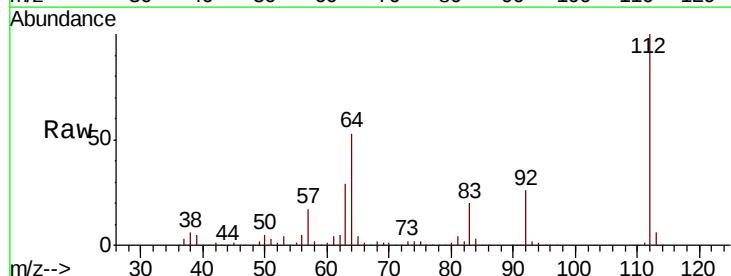
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



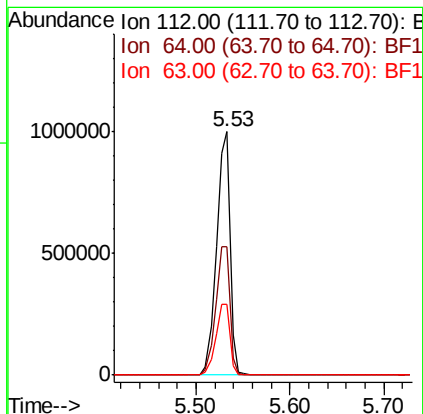
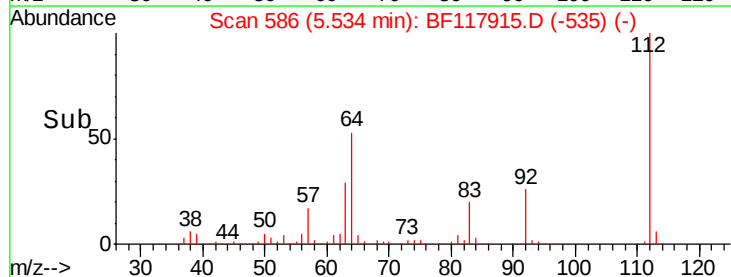
#5

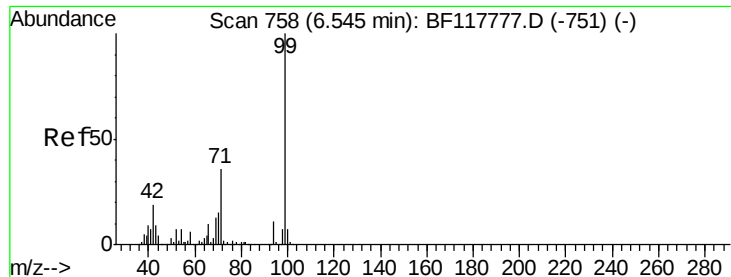
2-Fluorophenol
Concen: 121.018 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

Tgt Ion:112 Resp: 1018757
Ion Ratio Lower Upper
112 100
64 52.6 45.6 68.4
63 29.3 24.1 36.1



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: 144.206 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Instrument :

BNA_F

ClientSampleId :

1-(4-6)

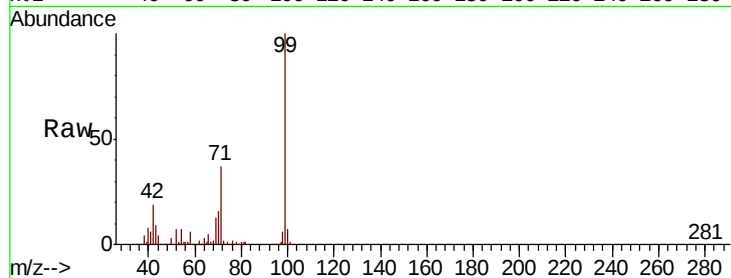
Tot Ion: 99 Resp: 1464231

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

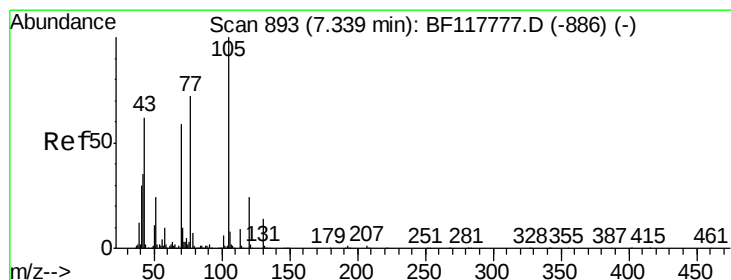
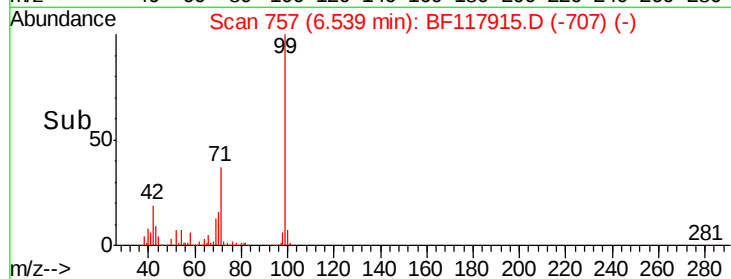
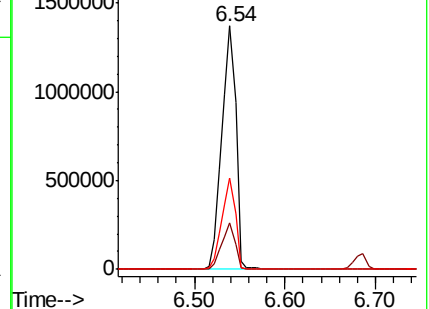
71 37.5 28.6 43.0



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: 19.956 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Tgt Ion: 70 Resp: 125008

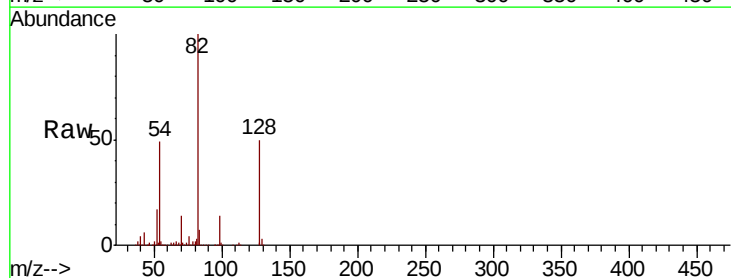
Ion Ratio Lower Upper

70 100

42 44.4 47.4 71.2#

101 0.0 8.4 12.6#

130 2.4 18.8 28.2#

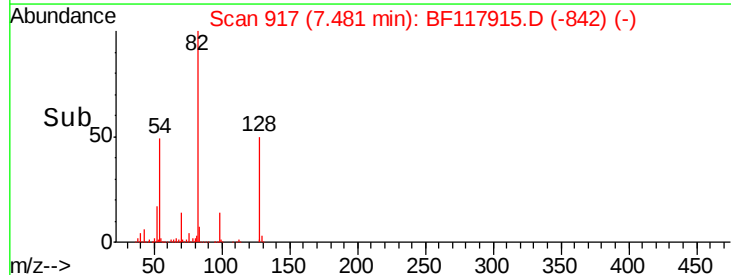
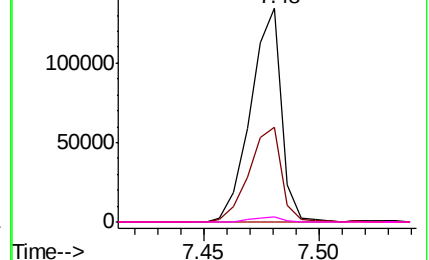


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

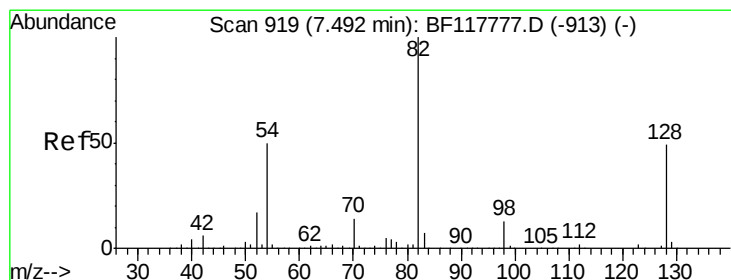
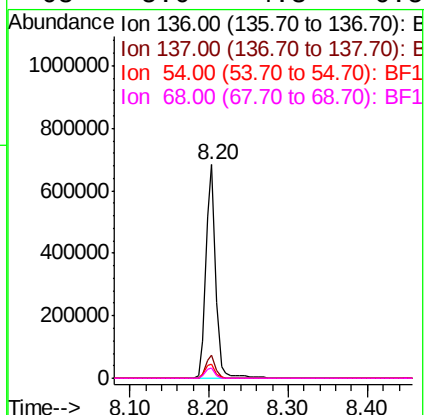
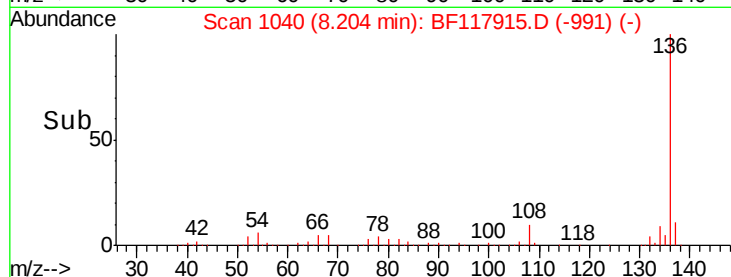
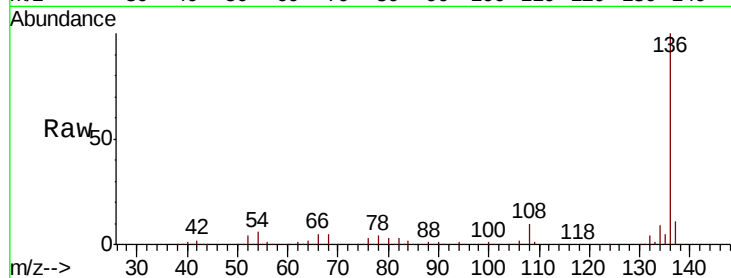




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

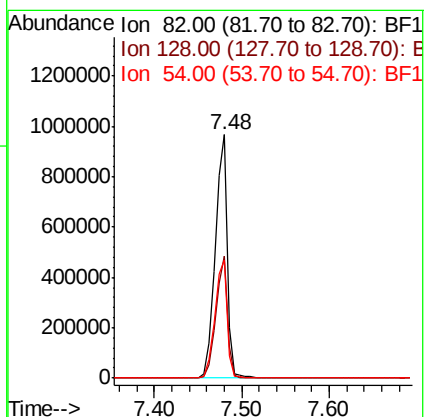
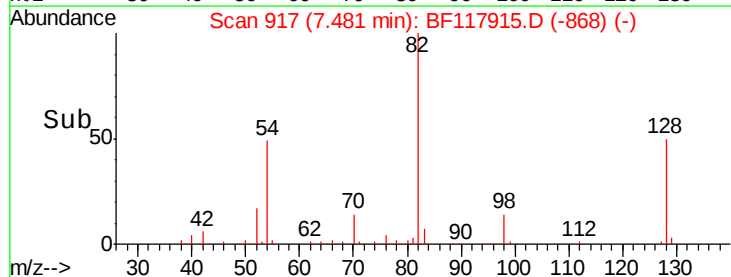
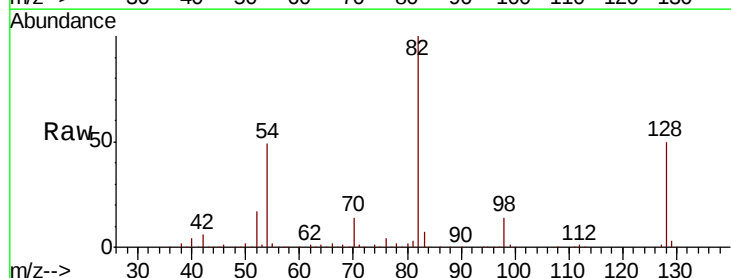
Instrument :
BNA_F
ClientSampleId :
1-(4-6)

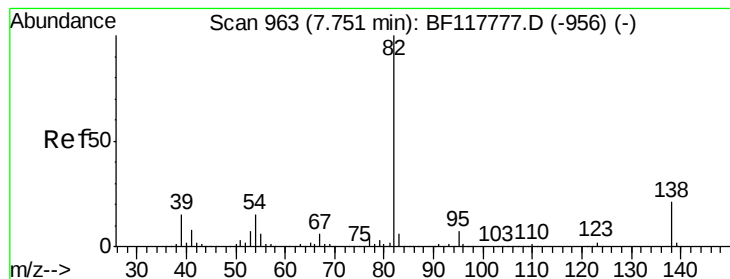
Tot Ion:136	Resp:	594238
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.4
54	6.5	5.4 8.2
68	5.0	4.3 6.5



#23
Nitrobenzene-d5
Concen: 92.430 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

Tgt Ion: 82	Resp:	923959
Ion	Ratio	Lower Upper
82	100	
128	50.0	38.9 58.3
54	48.6	39.8 59.6





#25

Isophorone

Concen: 50.133 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Instrument :

BNA_F

ClientSampleId :

1-(4-6)

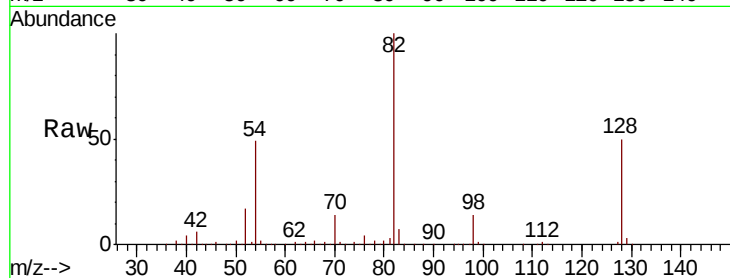
Tot Ion: 82 Resp: 918520

Ion Ratio Lower Upper

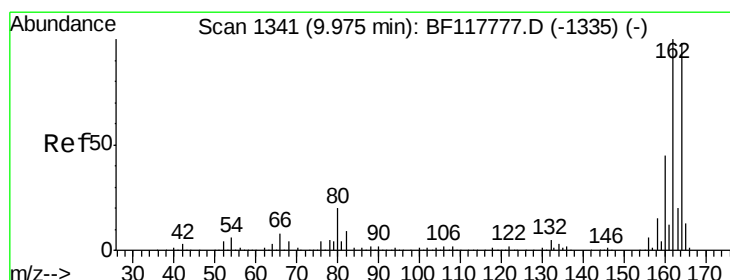
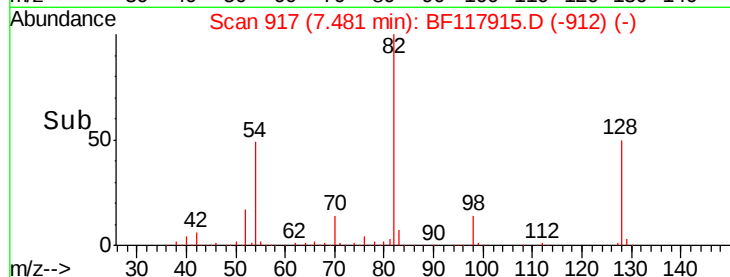
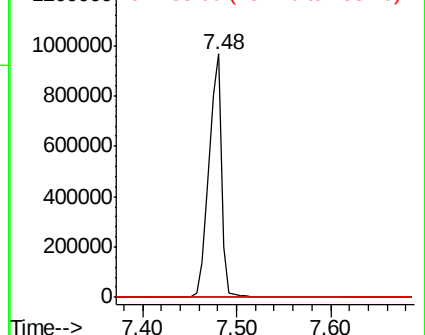
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



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: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

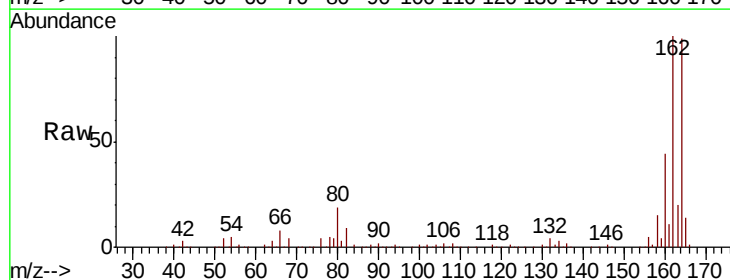
Tgt Ion: 164 Resp: 320937

Ion Ratio Lower Upper

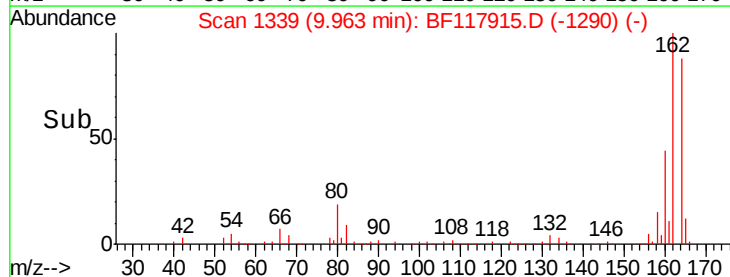
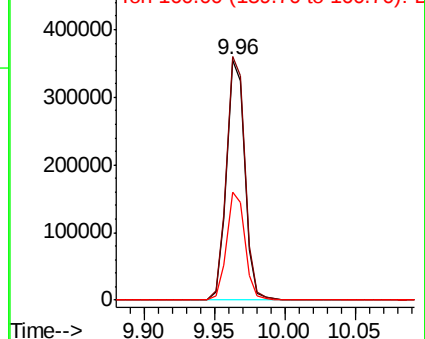
164 100

162 101.4 81.3 121.9

160 45.1 36.6 55.0



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: 138.448 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Instrument :

BNA_F

ClientSampleId :

1-(4-6)

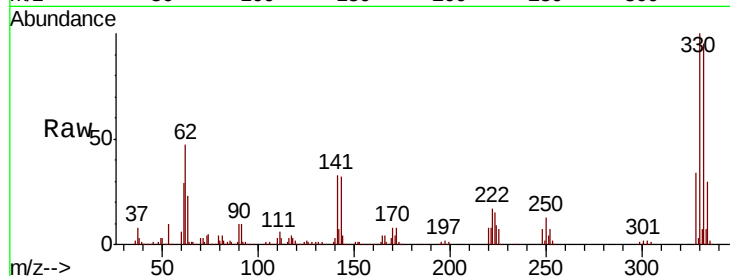
Tot Ion:330 Resp: 470410

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

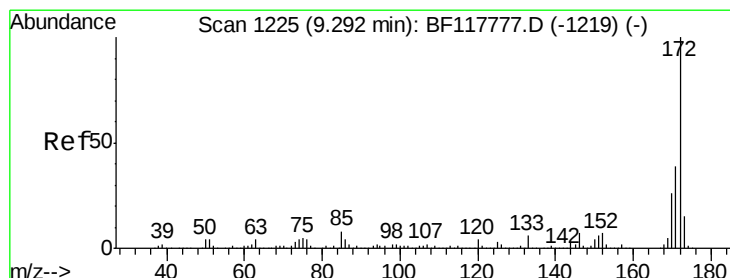
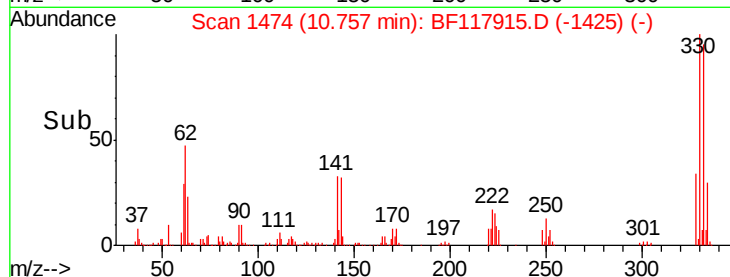
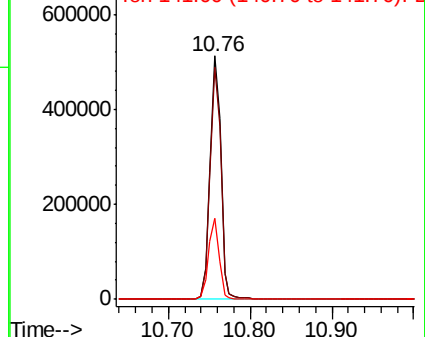
141 32.5 27.7 41.5



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: 94.296 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

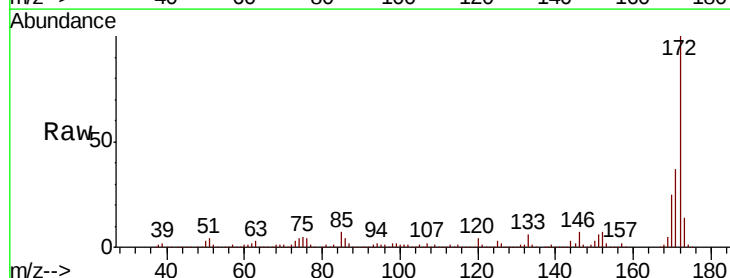
Tgt Ion:172 Resp: 1686866

Ion Ratio Lower Upper

172 100

171 37.4 30.9 46.3

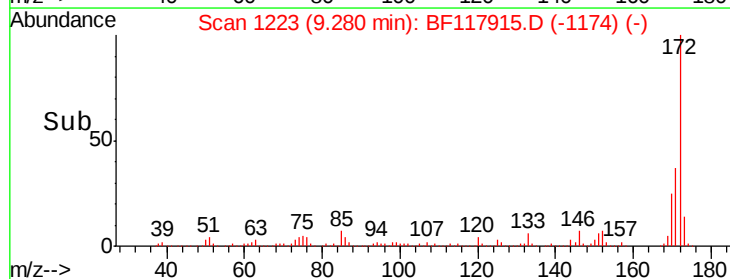
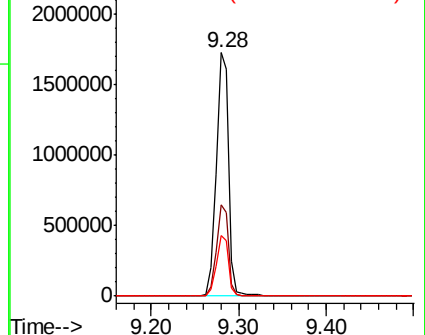
170 24.7 21.0 31.4

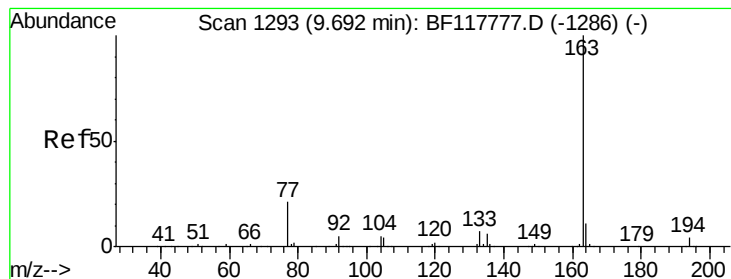


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.733 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Instrument :

BNA_F

ClientSampled :

1-(4-6)

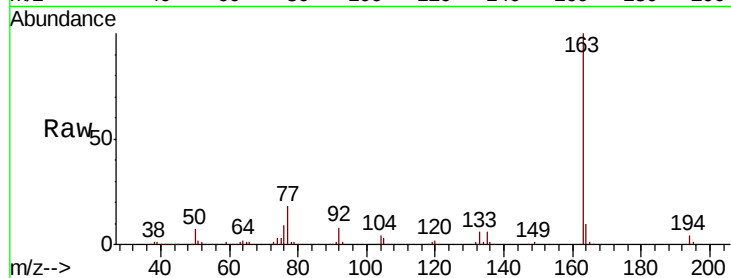
Tot Ion:163 Resp: 309061

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

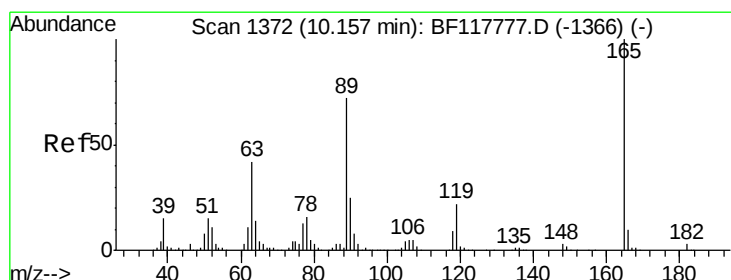
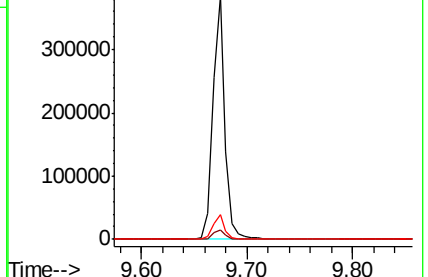
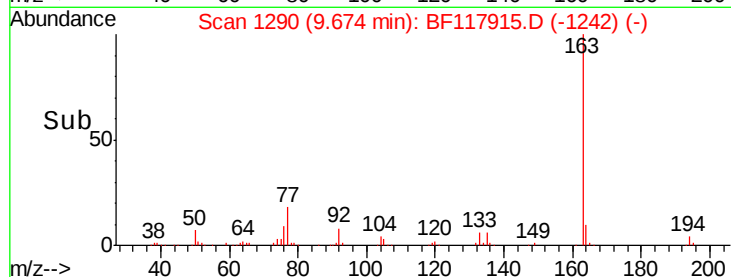
164 9.9 8.7 13.1



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: 6.658 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.19 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Tgt Ion:165 Resp: 41658

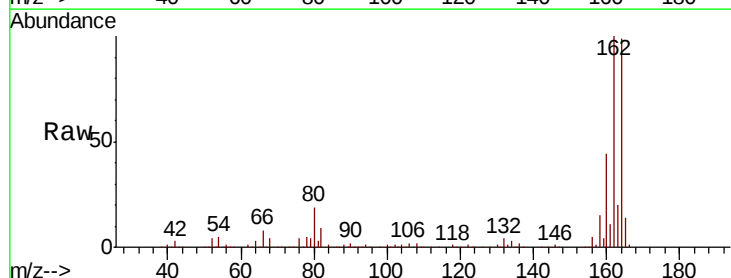
Ion Ratio Lower Upper

165 100

63 0.9 33.7 50.5#

89 1.3 57.3 85.9#

182 0.0 2.3 3.5#

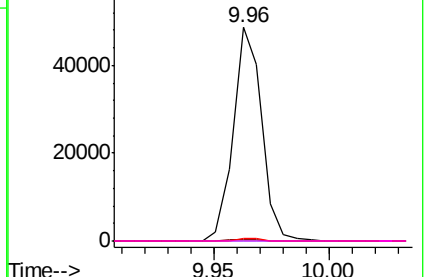
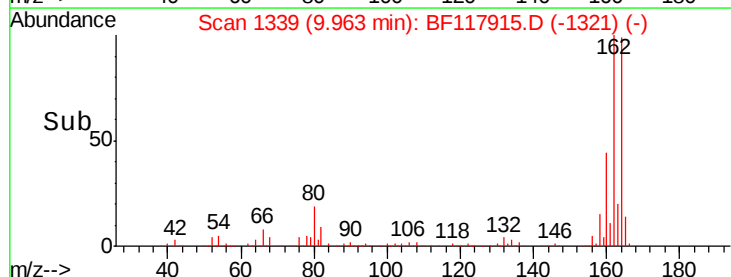


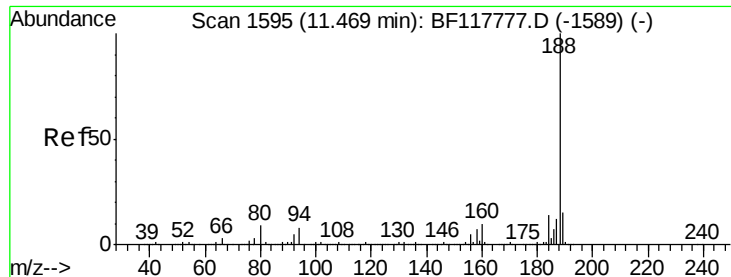
Abundance Ion 165.00 (164.70 to 165.70): E

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

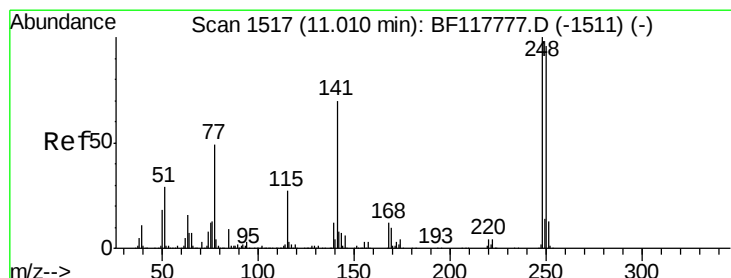
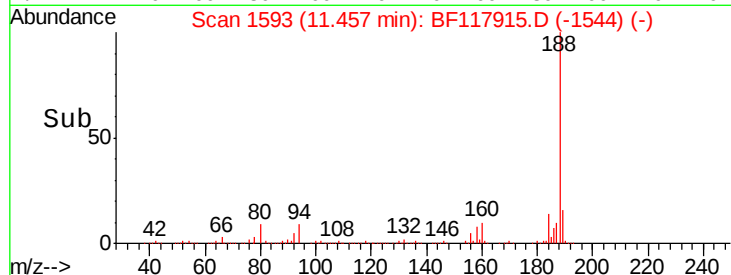
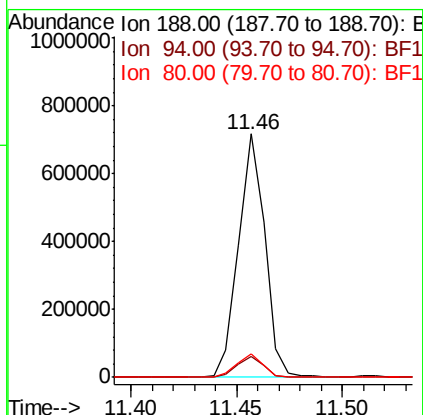
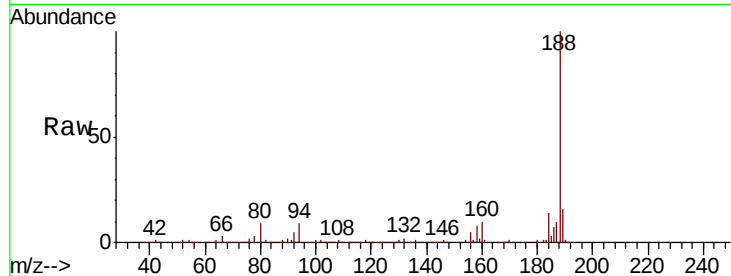




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

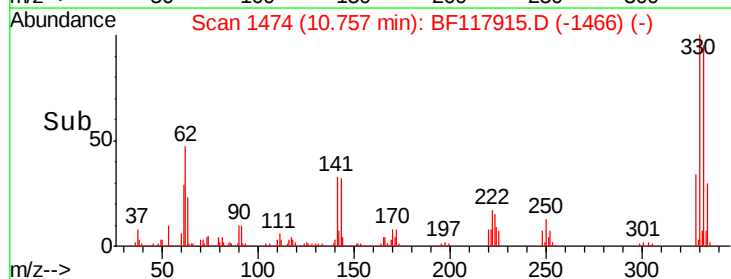
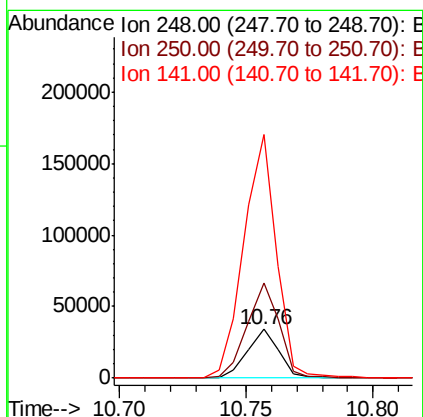
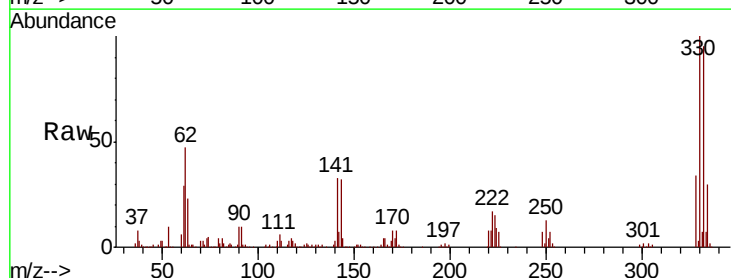
Instrument :
BNA_F
ClientSampled :
1-(4-6)

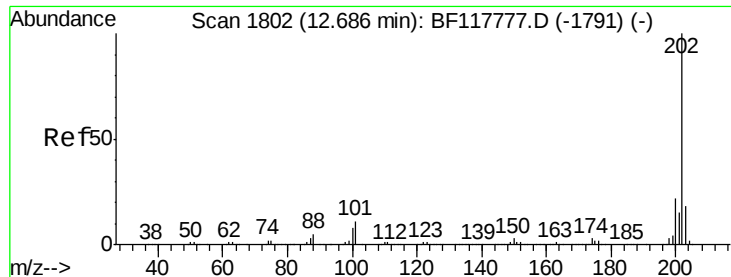
Tot Ion:188 Resp: 620483
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.5 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.400 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

Tgt Ion:248 Resp: 29459
Ion Ratio Lower Upper
248 100
250 196.2 76.6 115.0#
141 500.6 55.9 83.9#

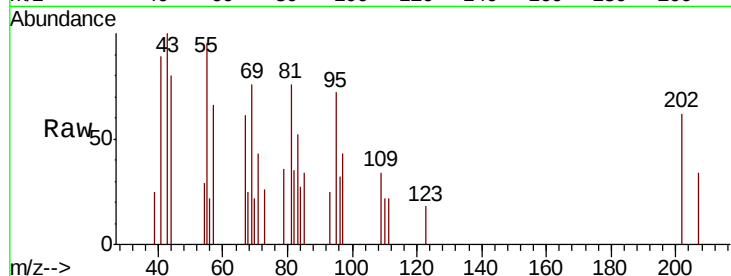




#75
Fluoranthene
Concen: Below Cal
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

Instrument :
BNA_F
ClientSampled :
1-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.1
203	0.0	0.0	38.2

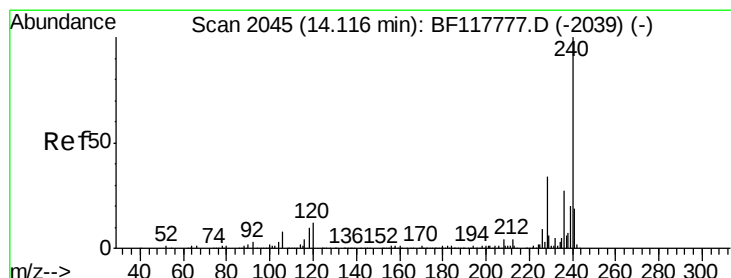
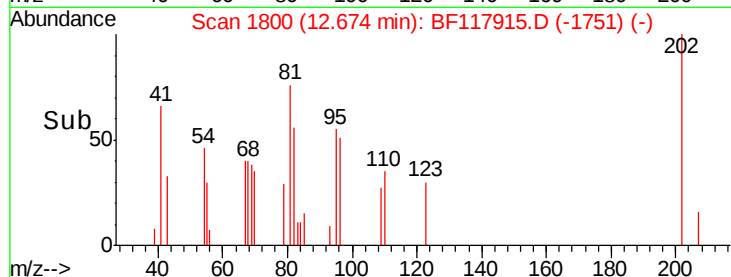
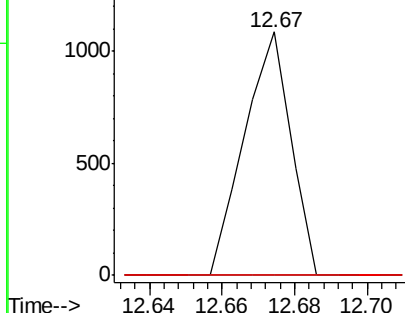


Abundance

Ion 202.00 (201.70 to 202.70): E

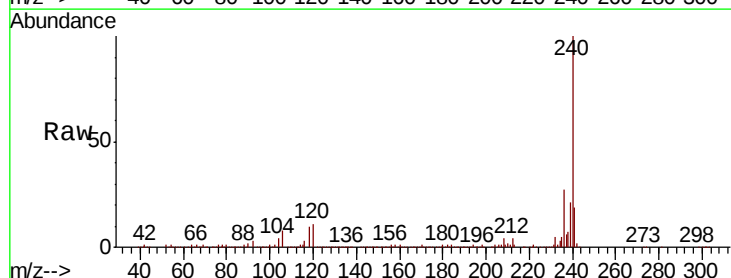
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117915.D
Acq: 21 Nov 2019 16:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.6	21.3	31.9

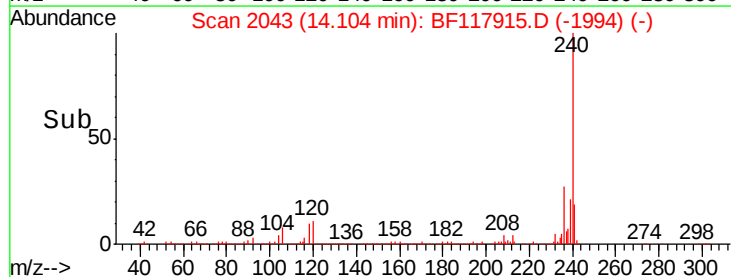
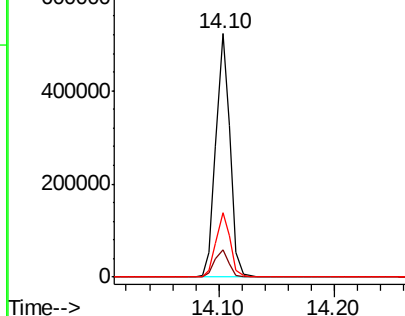


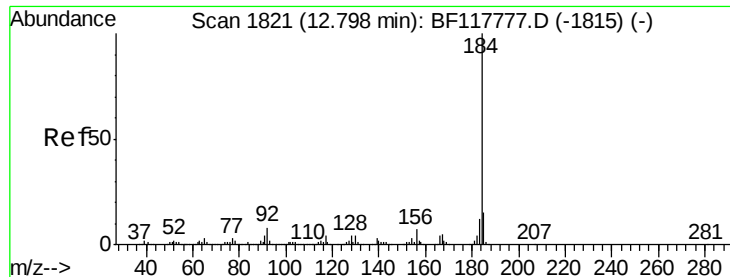
Abundance

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: 2.071 ng

RT: 13.05 min Scan# 1864

Delta R.T. 0.25 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

Instrument :

BNA_F

ClientSampleId :

1-(4-6)

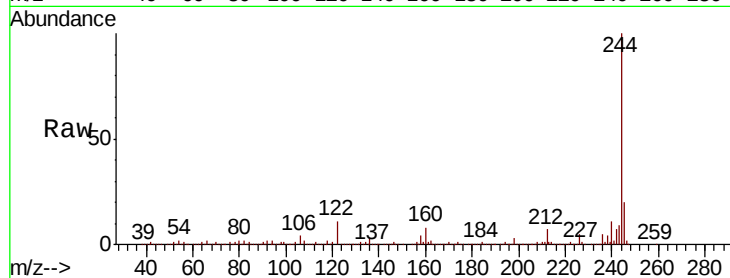
Tot Ion:184 Resp: 30099

Ion Ratio Lower Upper

184 100

185 29.6 12.2 18.4#

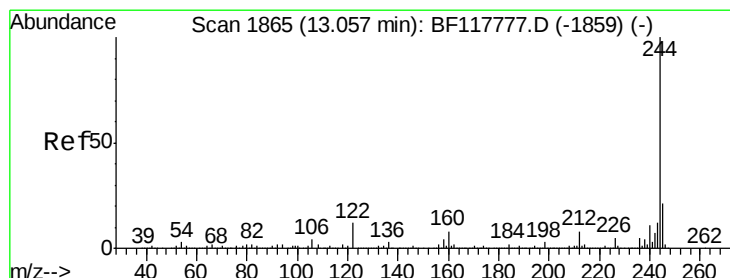
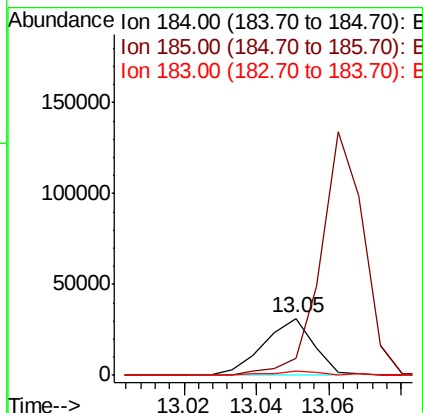
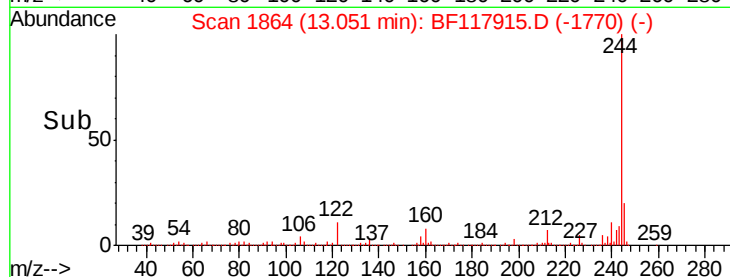
183 7.1 9.5 14.3#



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: 89.103 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117915.D

Acq: 21 Nov 2019 16:33

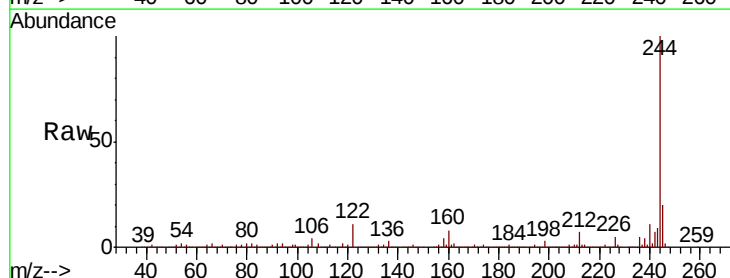
Tgt Ion:244 Resp: 2163006

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

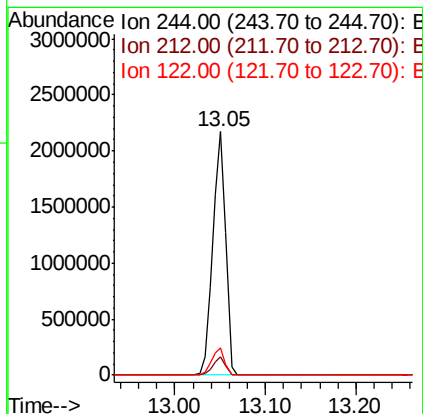
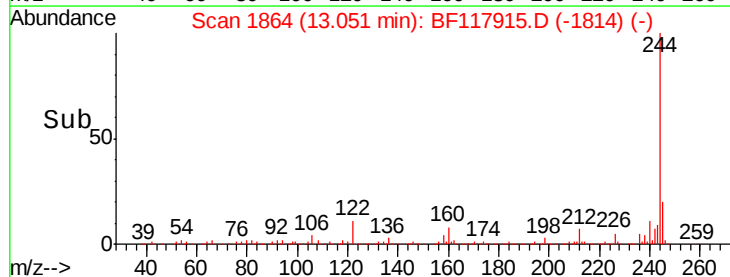
122 11.0 9.4 14.2

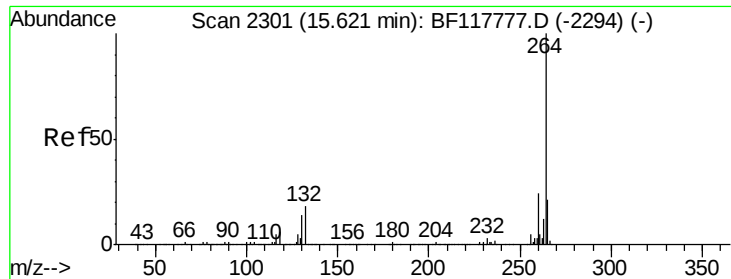


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117915.D
 Acq: 21 Nov 2019 16:33

Instrument :
 BNA_F
 ClientSampleId :
 1-(4-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	21.4	17.1	25.7

