

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118168.D
 Acq On : 10 Dec 2019 17:37
 Operator : JU
 Sample : K6176-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 02:34:51 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

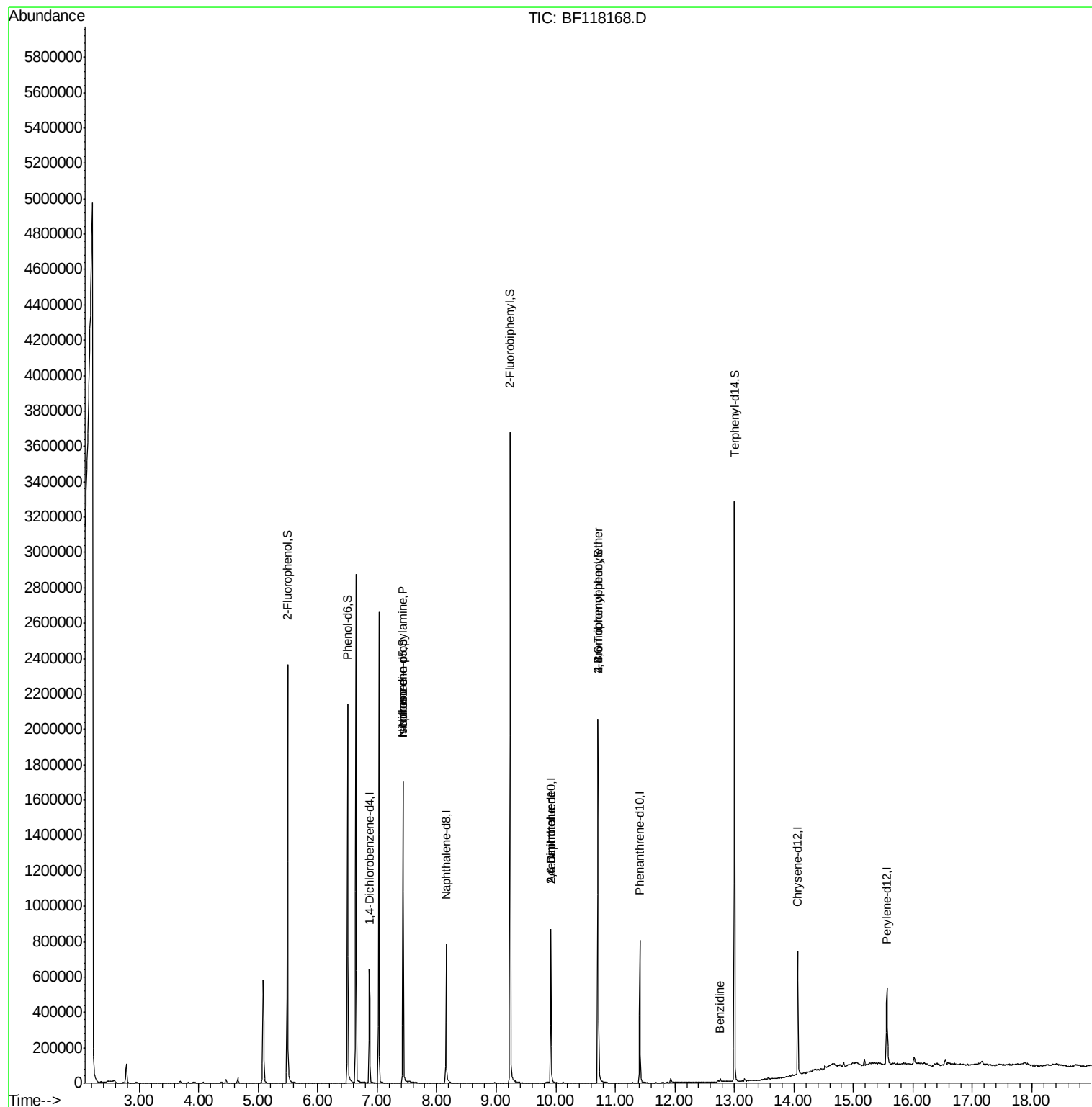
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	91663	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	366067	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	186034	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	317322	20.00	ng	0.00
76) Chrysene-d12	14.06	240	231909	20.00	ng	0.00
87) Perylene-d12	15.56	264	222164	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	650339	124.26	ng	0.01
7) Phenol-d6	6.50	99	711039	112.33	ng	0.00
23) Nitrobenzene-d5	7.43	82	535248	82.26	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	273733	121.12	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1104376	90.33	ng	0.00
79) Terphenyl-d14	13.00	244	1097945	81.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1085	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	72396	18.821 ng	#	78
25) Isophorone	7.43	82	532022	48.231 ng	#	62
51) 2,6-Dinitrotoluene	9.92	165	23779	7.958 ng	#	28
57) 2,4-Dinitrotoluene	9.92	165	23779	5.962 ng	#	26
67) 4-Bromophenyl-phenylether	10.71	248	17035	4.703 ng	#	1
77) Benizidine	12.76	184	16107	2.638 ng	#	93

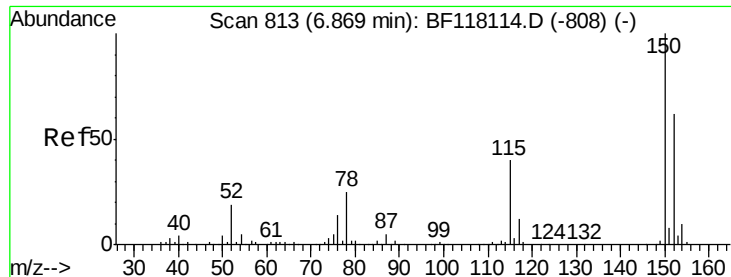
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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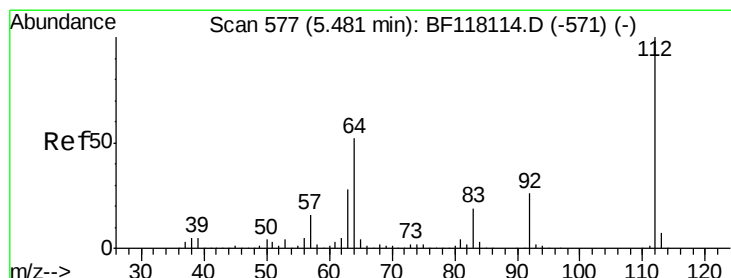
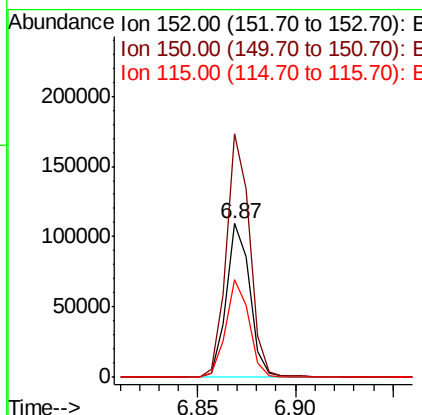
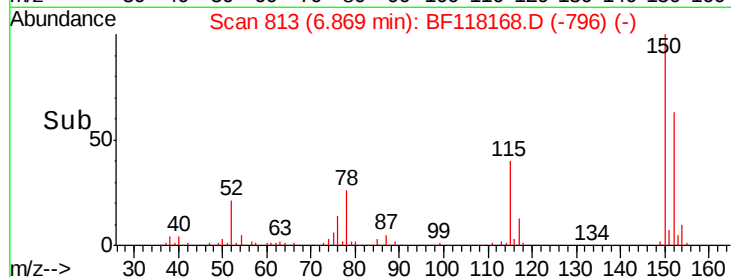
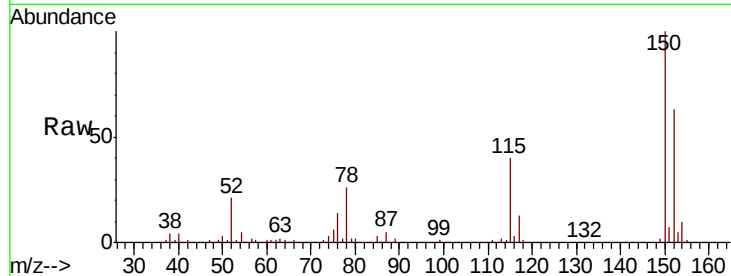


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Instrument :
BNA_F
ClientSampled :

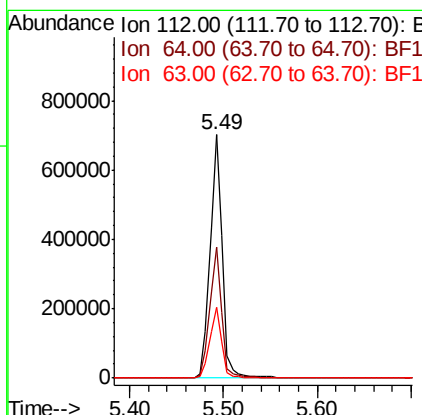
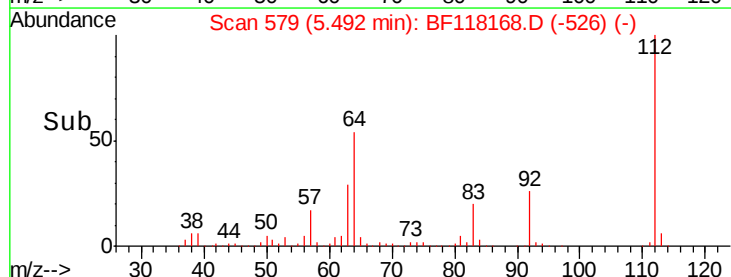
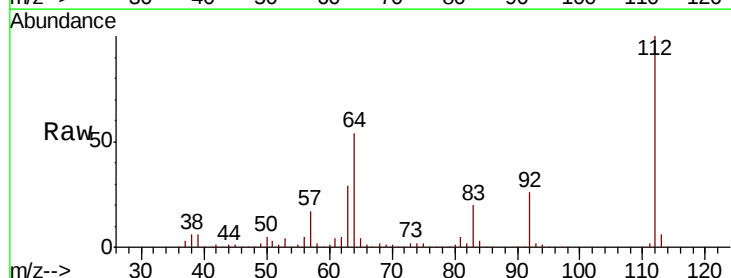
Tot Ion:152 Resp: 91663
Ion Ratio Lower Upper
152 100
150 158.3 128.3 192.5
115 63.6 51.1 76.7

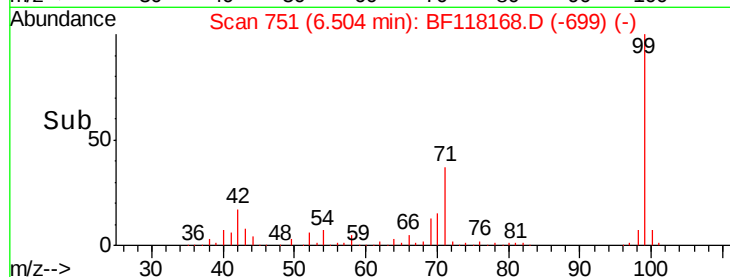
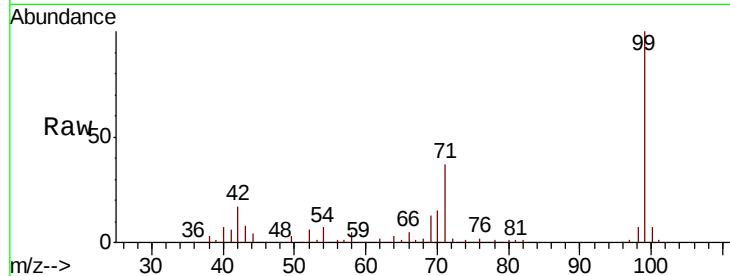
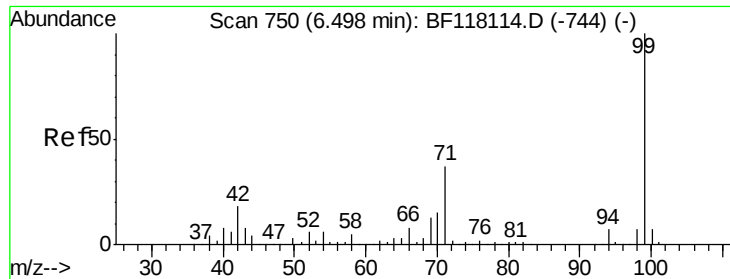


#5

2-Fluorophenol
Concen: 124.265 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Tgt Ion:112 Resp: 650339
Ion Ratio Lower Upper
112 100
64 54.0 41.3 61.9
63 29.2 22.4 33.6





#7

Phenol-d6

Concen: 112.327 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

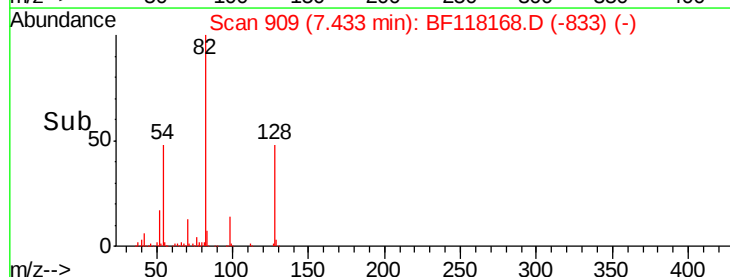
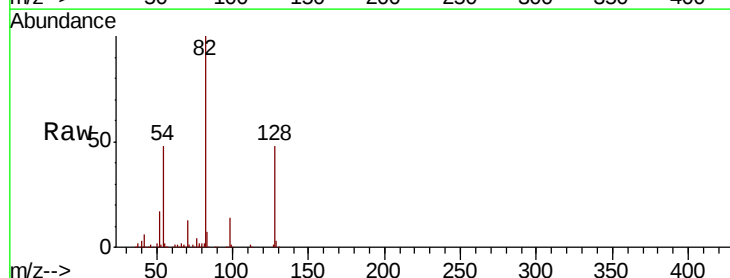
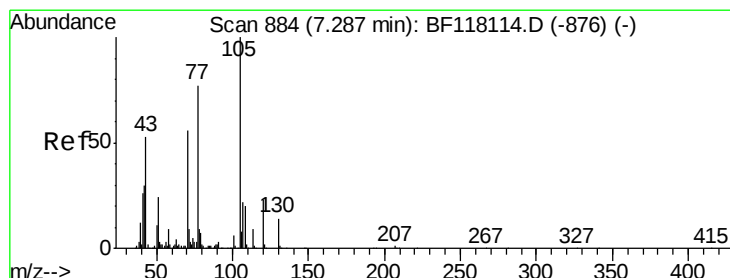
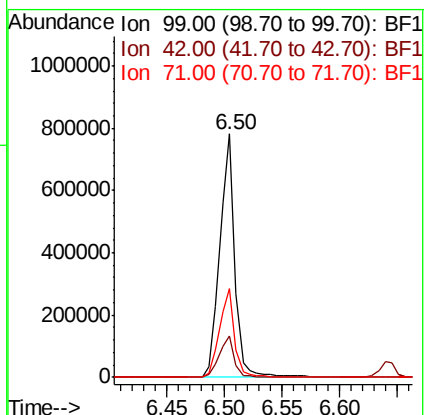
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 711039

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.1	21.1
71	36.6	29.7	44.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.821 ng

RT: 7.43 min Scan# 909

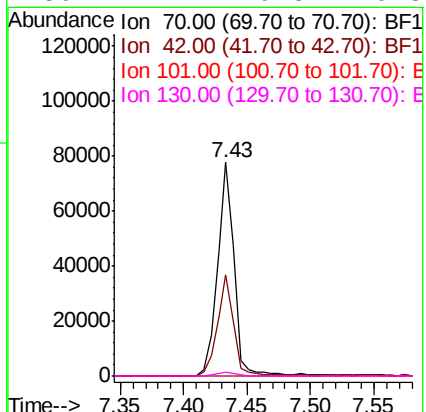
Delta R.T. 0.15 min

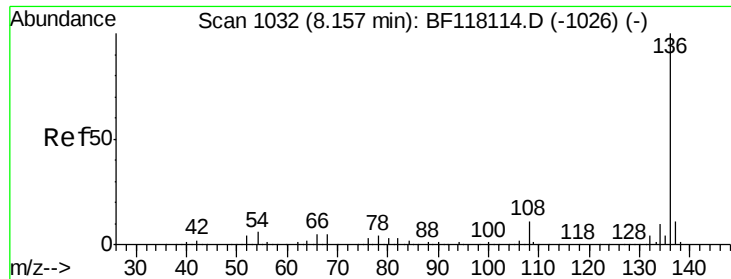
Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Tgt Ion: 70 Resp: 72396

Ion	Ratio	Lower	Upper
70	100		
42	47.2	43.2	64.8
101	0.0	8.1	12.1#
130	2.1	19.8	29.8#

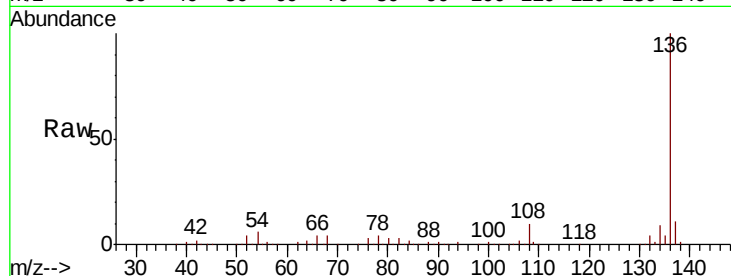




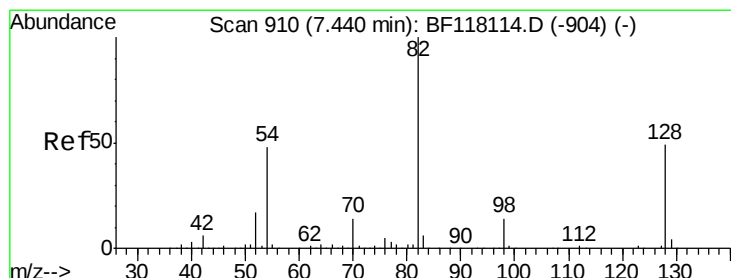
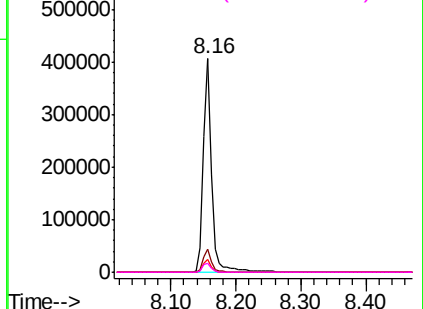
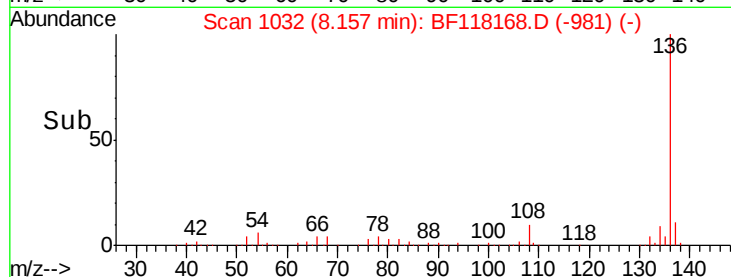
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	366067
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.6
54	6.0	5.0 7.6
68	4.3	3.8 5.8

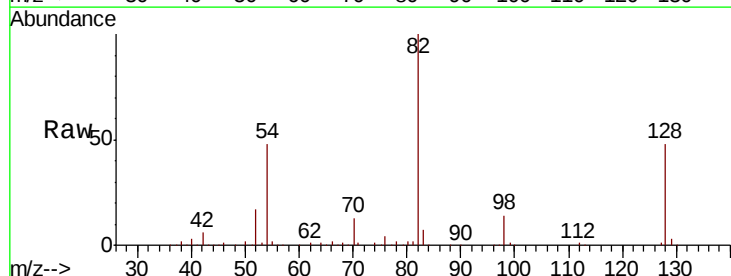


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

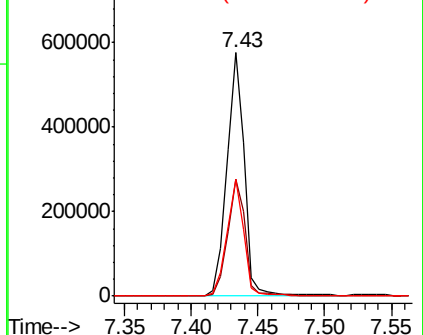
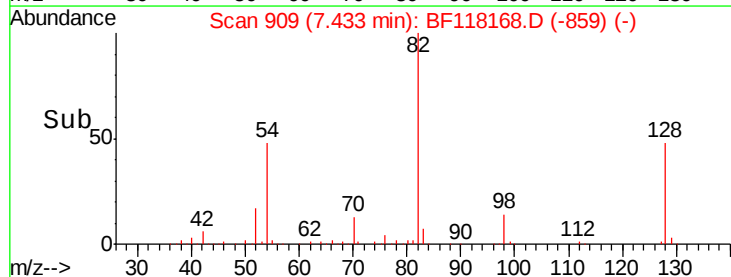


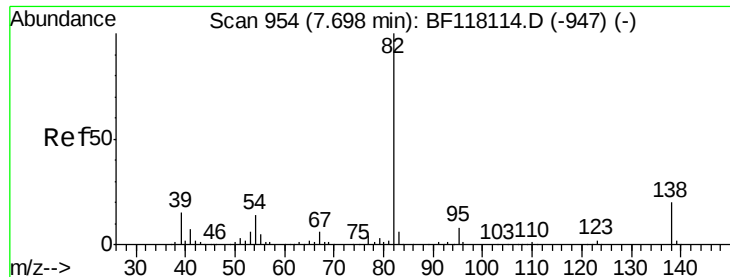
#23
Nitrobenzene-d5
Concen: 82.258 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Tgt Ion: 82	Resp:	535248
Ion	Ratio	Lower Upper
82	100	
128	47.9	39.1 58.7
54	48.1	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: 48.231 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

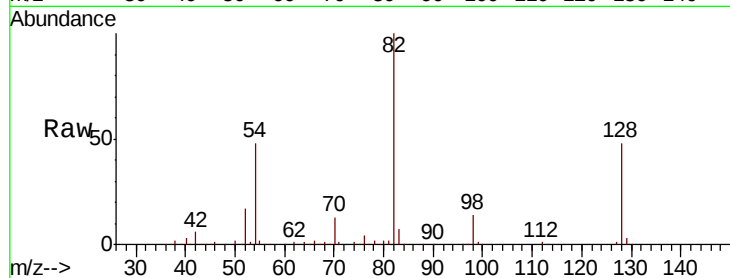
Tot Ion: 82 Resp: 532022

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#

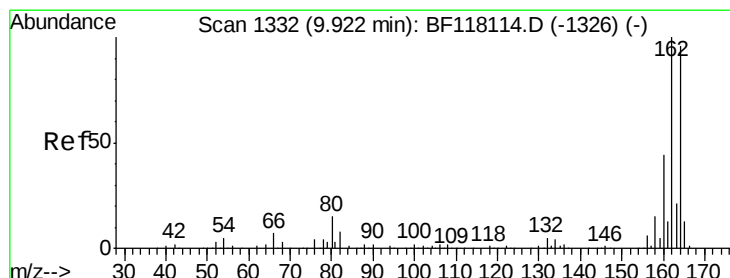
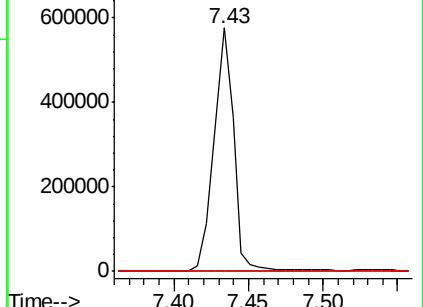
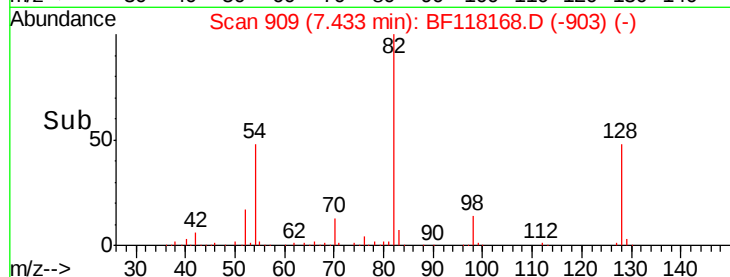


Abundance Ion 82.00 (81.70 to 82.70): BF118114.D (-947) (-)

Ion 95.00 (94.70 to 95.70): BF118114.D (-947) (-)

Ion 138.00 (137.70 to 138.70): BF118114.D (-947) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

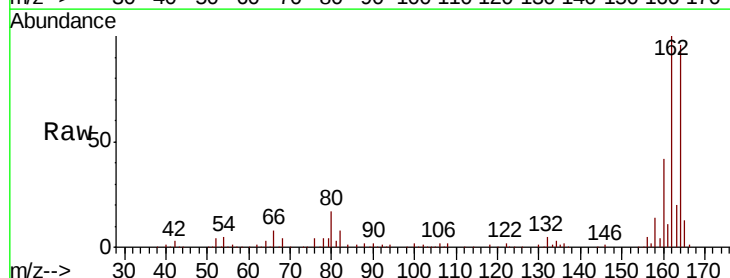
Tgt Ion: 164 Resp: 186034

Ion Ratio Lower Upper

164 100

162 104.1 83.4 125.0

160 44.0 36.6 54.8

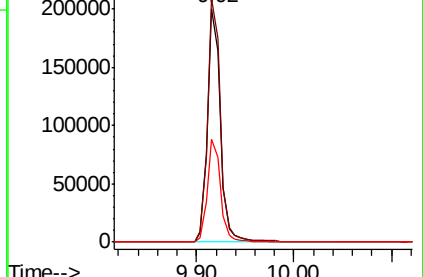
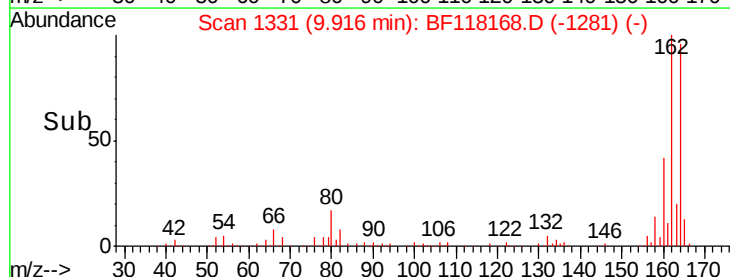


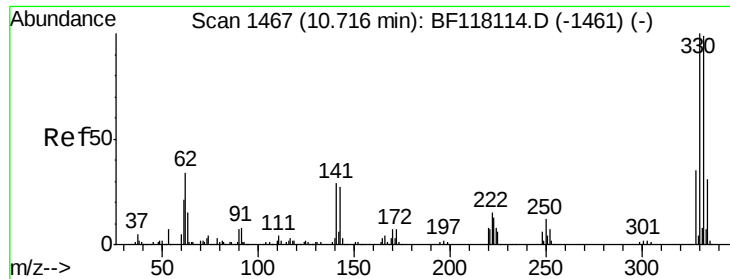
Abundance Ion 164.00 (163.70 to 164.70): BF118114.D (-1326) (-)

Ion 162.00 (161.70 to 162.70): BF118114.D (-1326) (-)

Ion 160.00 (159.70 to 160.70): BF118114.D (-1326) (-)

Time-->





#42

2,4,6-Tribromophenol

Concen: 121.122 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

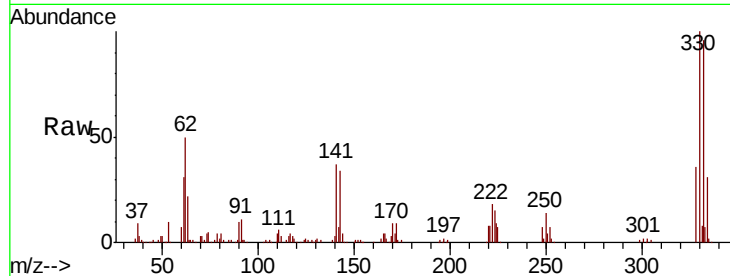
Tot Ion:330 Resp: 273733

Ion Ratio Lower Upper

330 100

332 95.3 78.1 117.1

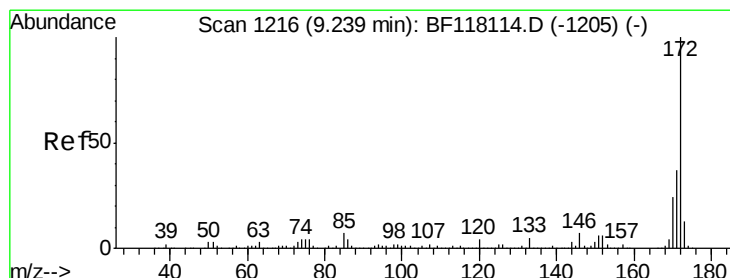
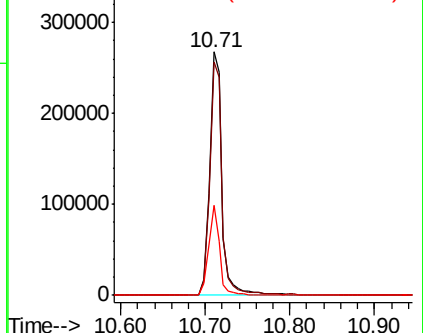
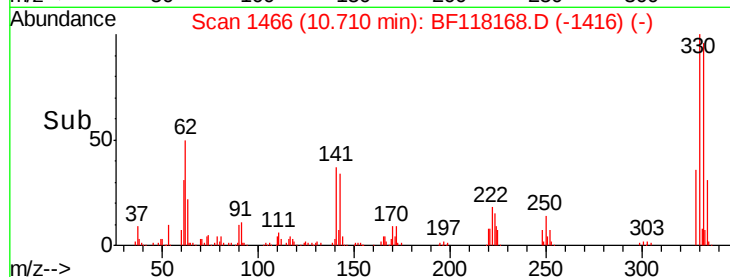
141 33.2 26.9 40.3



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: 90.331 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

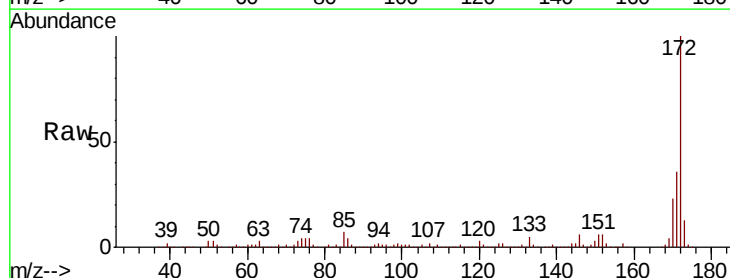
Tgt Ion:172 Resp: 1104376

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

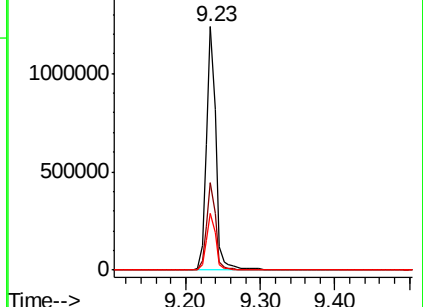
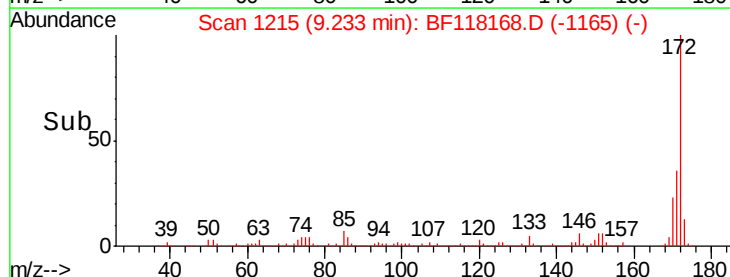
170 23.5 19.4 29.2

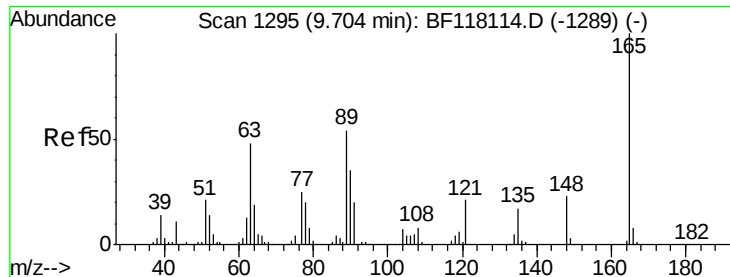


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

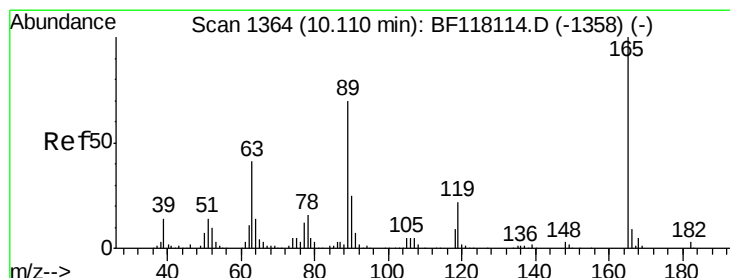
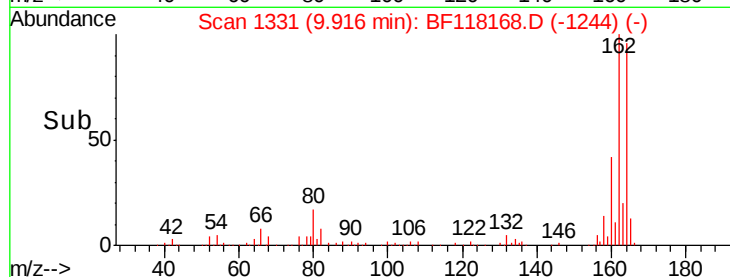
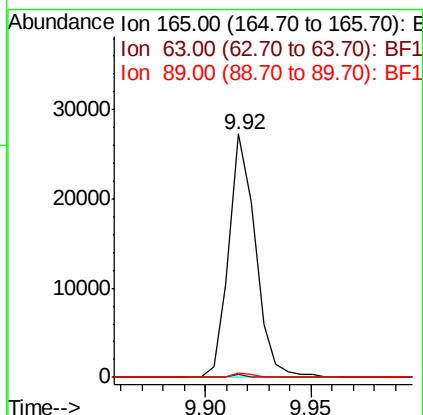
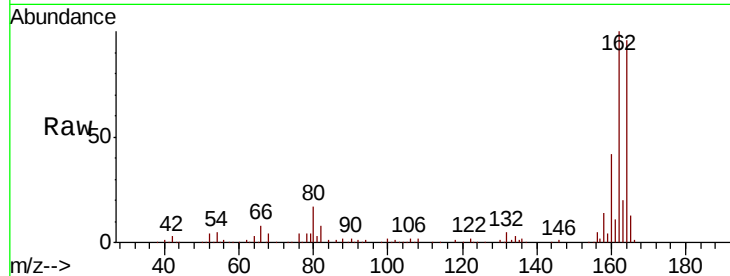




#51
 2,6-Dinitrotoluene
 Concen: 7.958 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF118168.D
 Acq: 10 Dec 2019 17:37

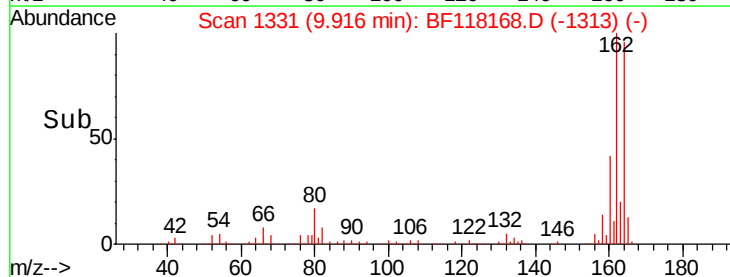
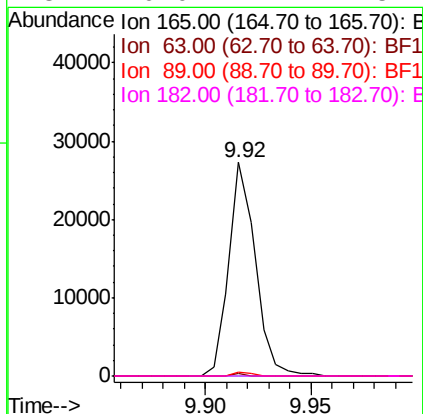
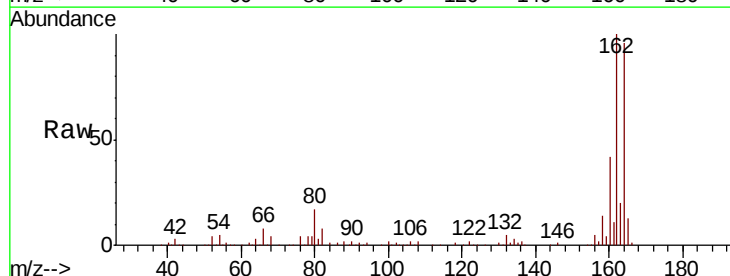
Instrument :
 BNA_F
 ClientSampleId :

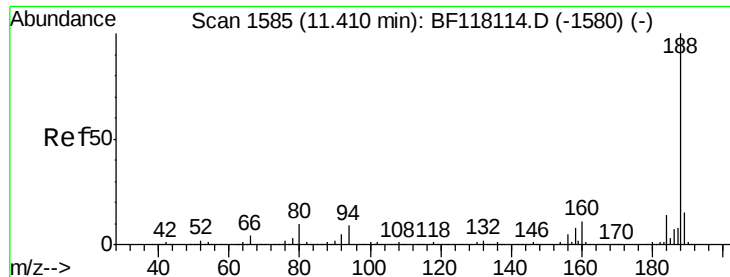
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.4	62.0#
89	1.9	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.962 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118168.D
 Acq: 10 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.6	49.0#
89	1.9	56.1	84.1#
182	0.0	2.1	3.1#

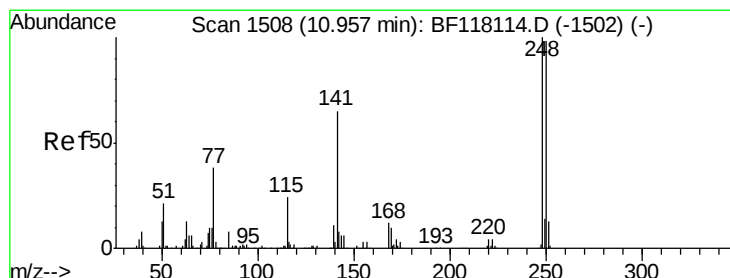
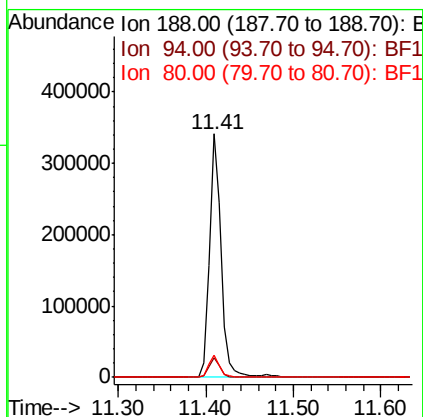
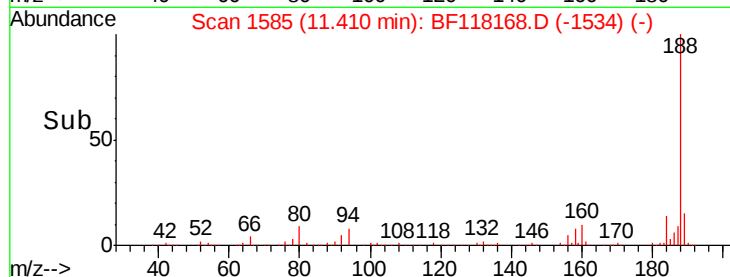
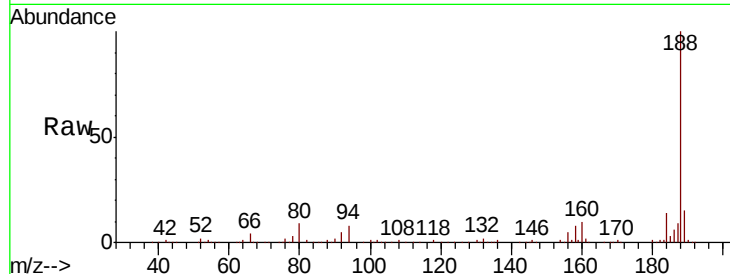




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF118168.D
 Acq: 10 Dec 2019 17:37

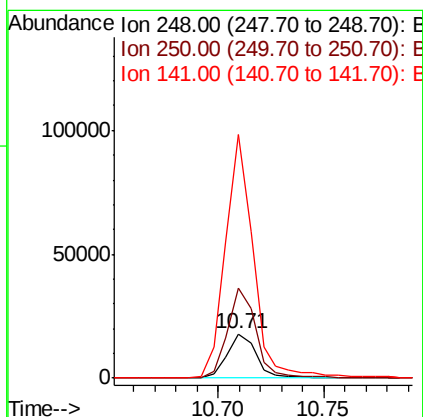
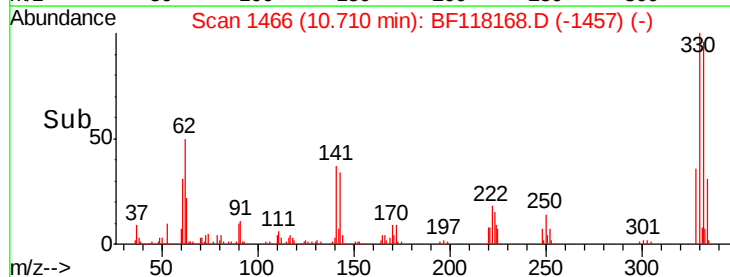
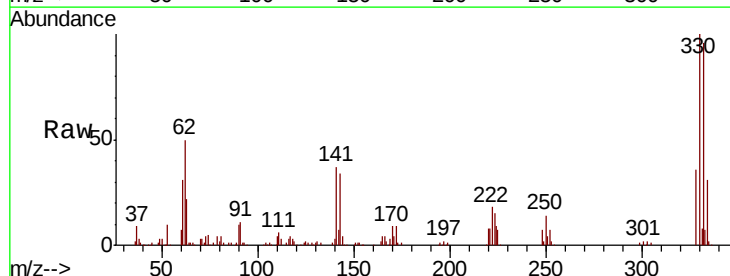
Instrument :
 BNA_F
 ClientSampleId :

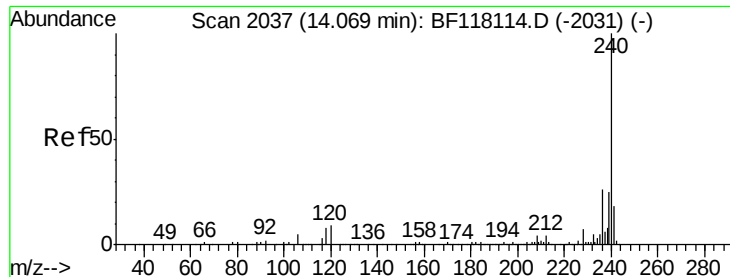
Tot Ion:188 Resp: 317322
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.1 10.7
 80 9.2 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.703 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118168.D
 Acq: 10 Dec 2019 17:37

Tgt Ion:248 Resp: 17035
 Ion Ratio Lower Upper
 248 100
 250 203.6 78.3 117.5#
 141 553.0 52.2 78.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

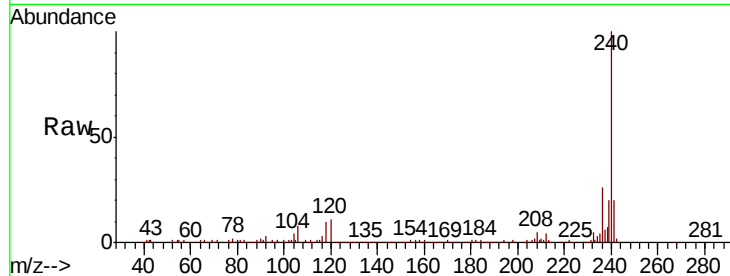
Tot Ion:240 Resp: 231909

Ion Ratio Lower Upper

240 100

120 10.7 7.1 10.7#

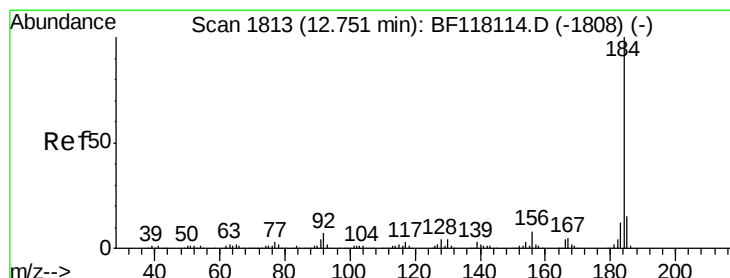
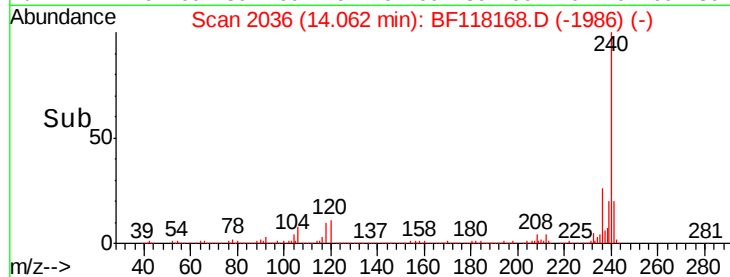
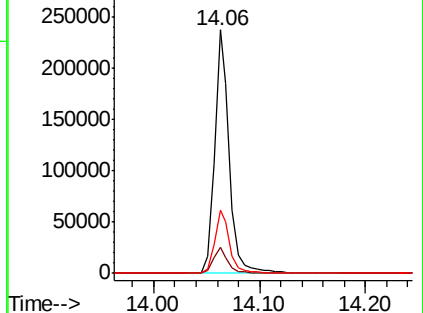
236 25.9 21.0 31.6



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: 2.638 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

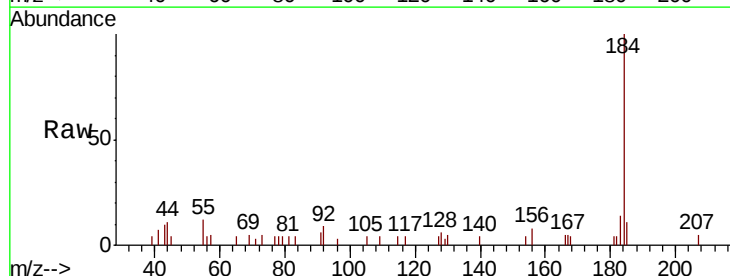
Tgt Ion:184 Resp: 16107

Ion Ratio Lower Upper

184 100

185 11.4 12.3 18.5#

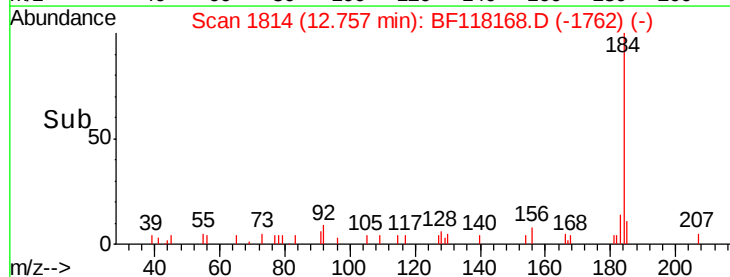
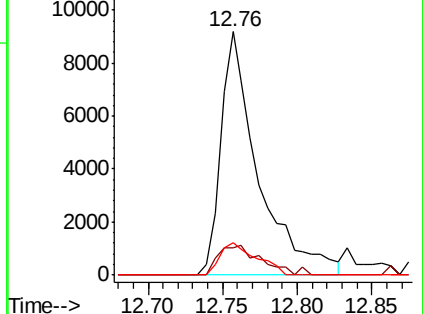
183 13.5 9.9 14.9

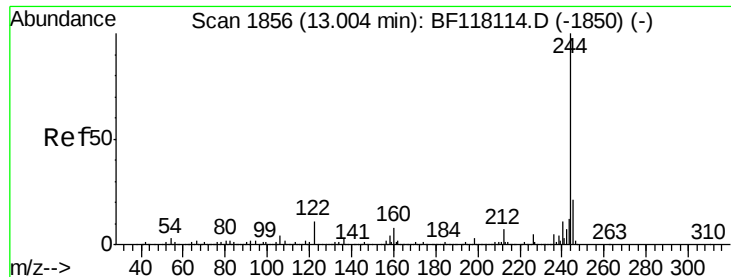


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 81.414 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

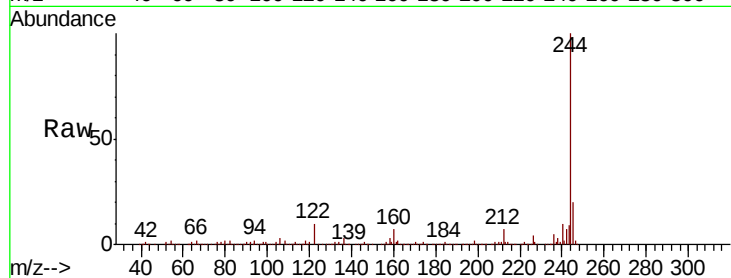
Tot Ion:244 Resp: 1097945

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

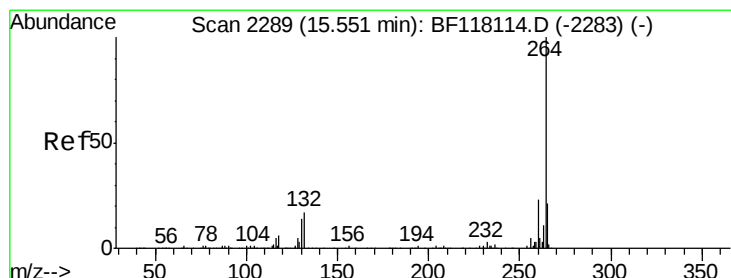
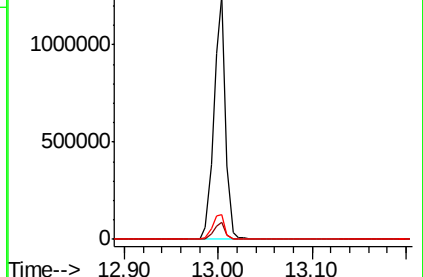
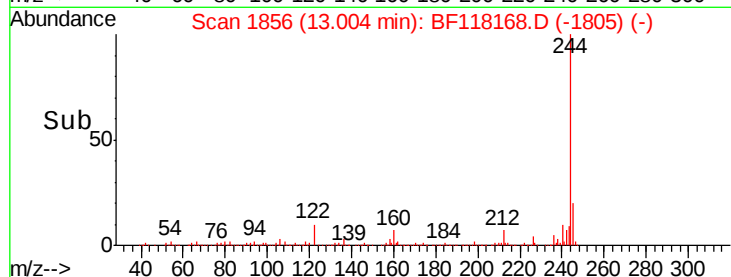
122 10.0 9.0 13.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

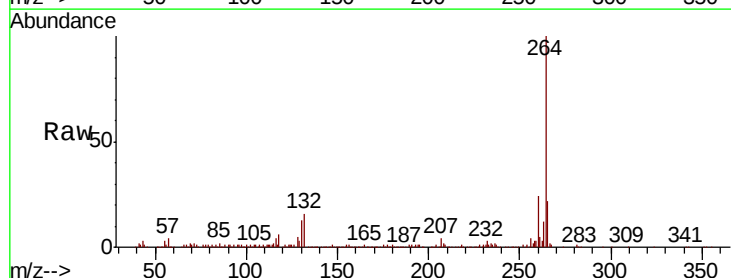
Tgt Ion:264 Resp: 222164

Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 21.8 16.8 25.2



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

