

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118209.D
 Acq On : 16 Dec 2019 21:11
 Operator : JU
 Sample : K6113-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:07:49 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

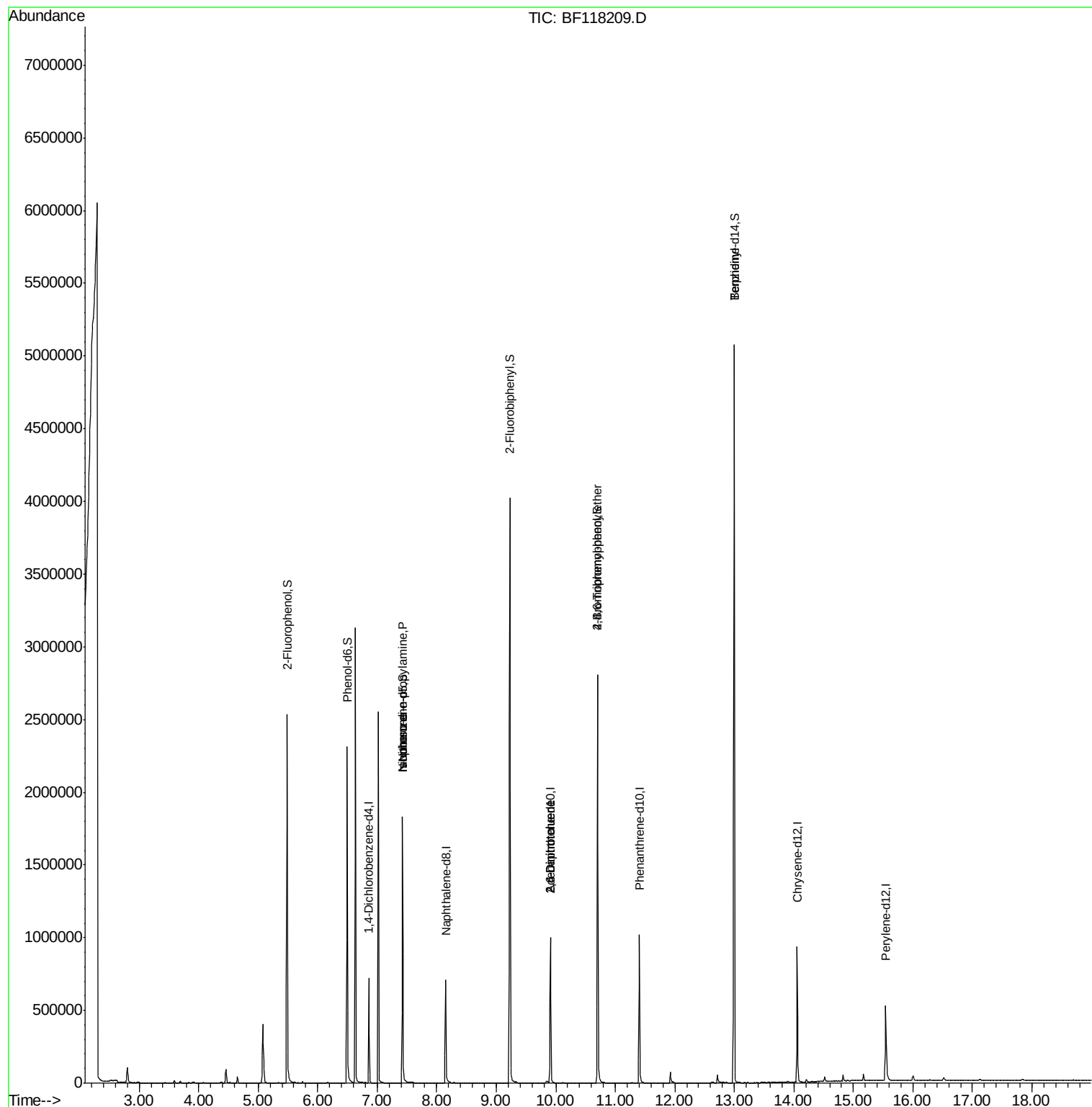
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	98653	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	379222	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	202298	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	402942	20.00	ng	0.00
76) Chrysene-d12	14.06	240	319953	20.00	ng	-0.01
87) Perylene-d12	15.54	264	252123	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	715453	127.02	ng	0.00
7) Phenol-d6	6.50	99	831621	122.07	ng	0.00
23) Nitrobenzene-d5	7.43	82	588024	87.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	363932	148.09	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1227417	92.32	ng	-0.01
79) Terphenyl-d14	13.00	244	1686276	90.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1450	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	77896	18.816	ng	# 76
25) Isophorone	7.43	82	578264	50.605	ng	# 62
51) 2,6-Dinitrotoluene	9.91	165	26082	8.027	ng	# 27
57) 2,4-Dinitrotoluene	9.91	165	26082	6.014	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	22235	4.834	ng	# 1
77) Benizidine	13.00	184	23270	2.763	ng	# 94

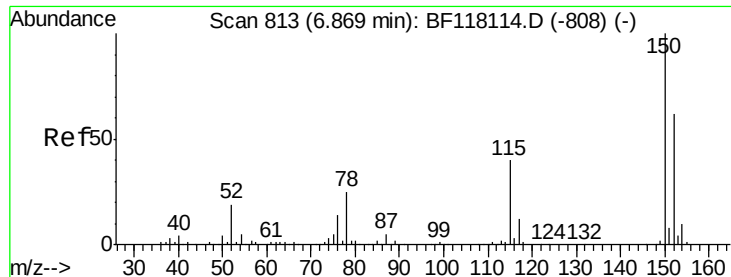
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration



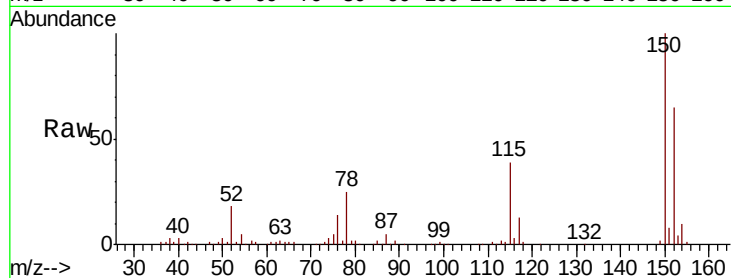


#1

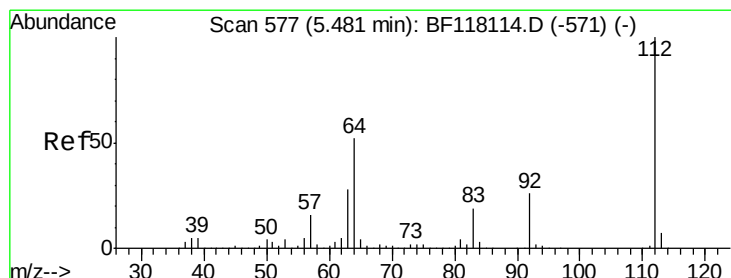
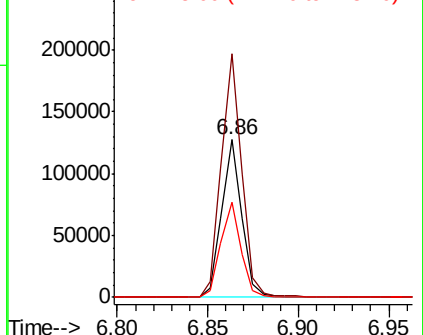
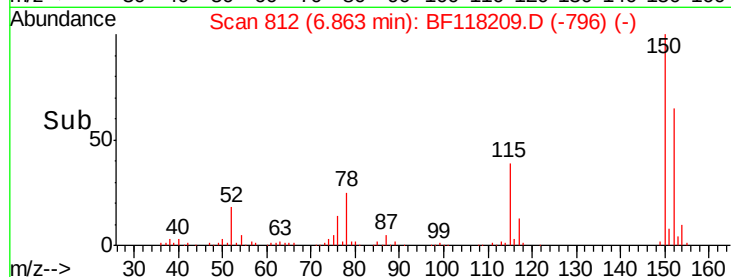
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118209.D
Acq: 16 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98653
Ion Ratio Lower Upper
152 100
150 154.5 128.3 192.5
115 60.3 51.1 76.7



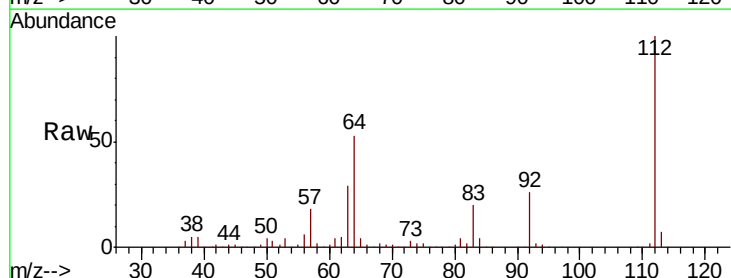
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



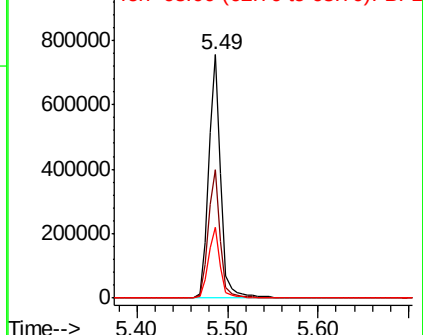
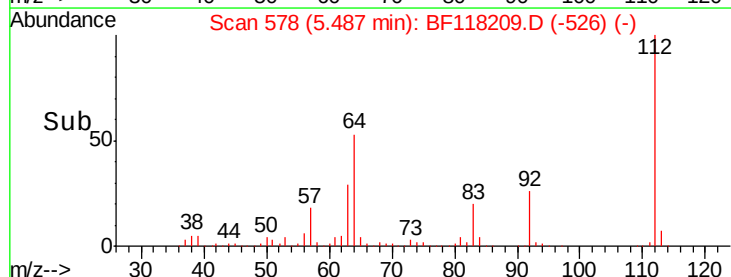
#5

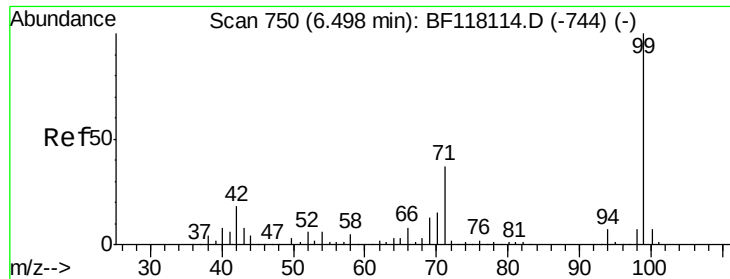
2-Fluorophenol
Concen: 127.020 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118209.D
Acq: 16 Dec 2019 21:11

Tgt Ion:112 Resp: 715453
Ion Ratio Lower Upper
112 100
64 52.6 41.3 61.9
63 29.2 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: 122.067 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118209.D

Acq: 16 Dec 2019 21:11

Instrument :

BNA_F

ClientSampled :

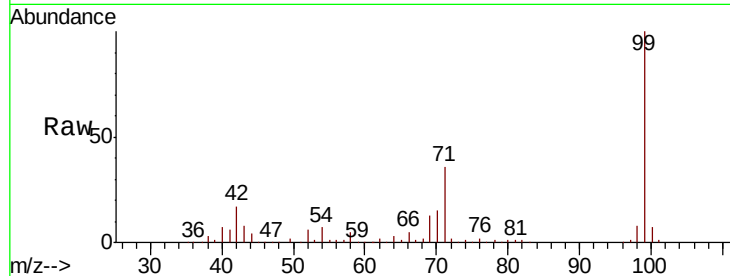
Tot Ion: 99 Resp: 831621

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

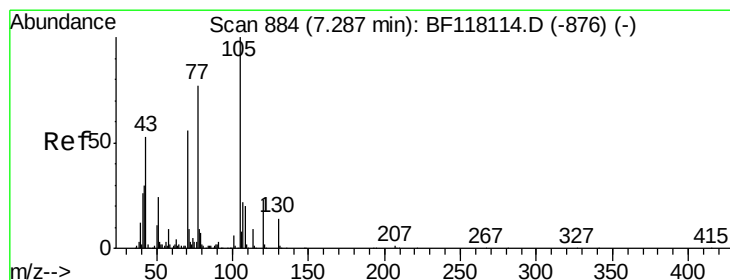
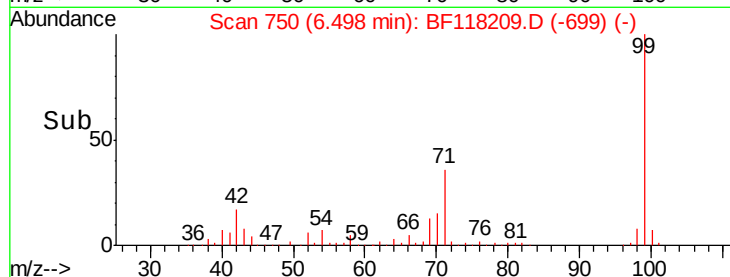
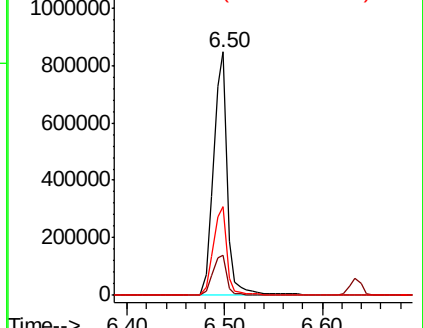
71 36.5 29.7 44.5



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: 18.816 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118209.D

Acq: 16 Dec 2019 21:11

Tgt Ion: 70 Resp: 77896

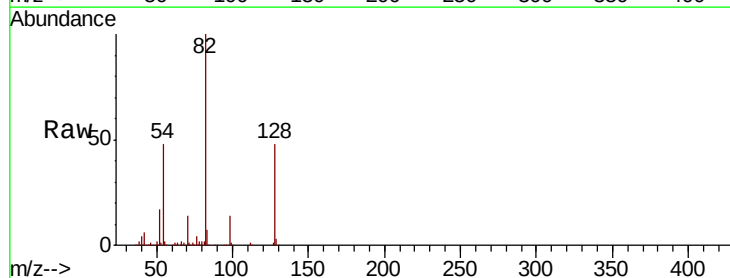
Ion Ratio Lower Upper

70 100

42 43.7 43.2 64.8

101 0.0 8.1 12.1#

130 2.2 19.8 29.8#

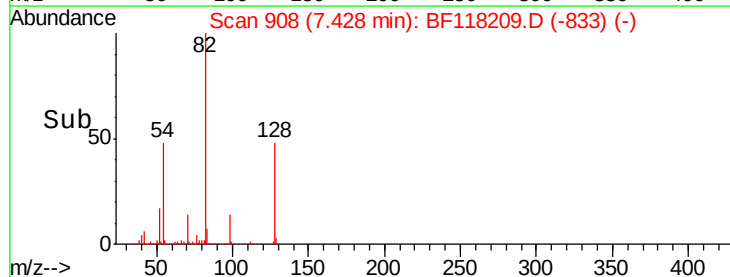
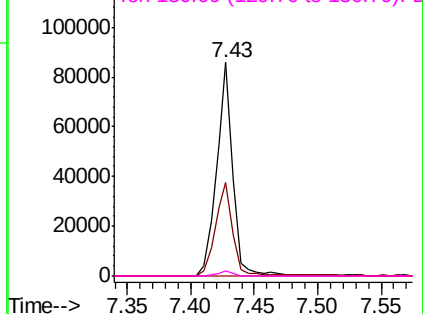


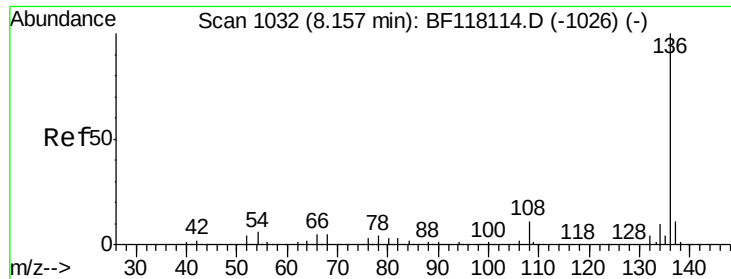
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

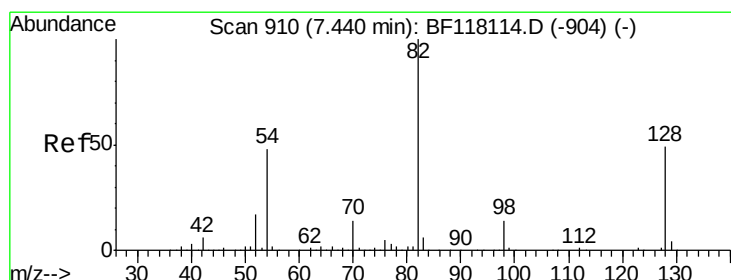
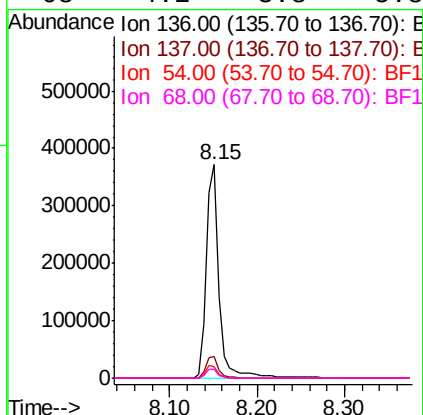
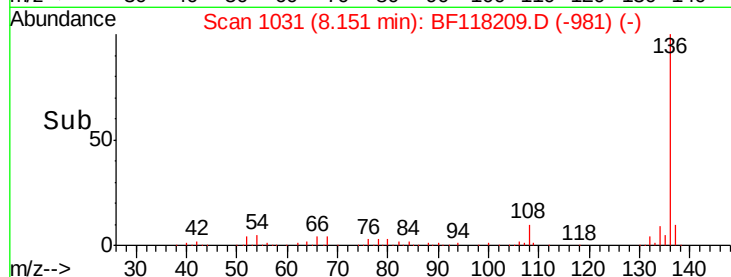
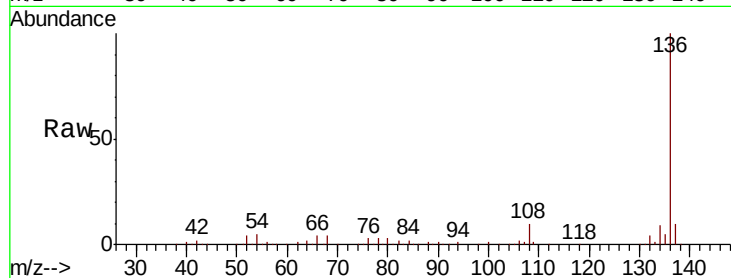




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118209.D
Acq: 16 Dec 2019 21:11

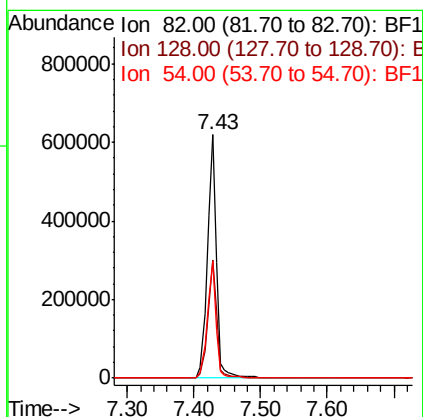
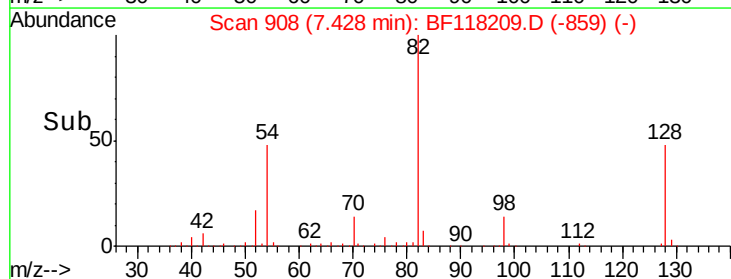
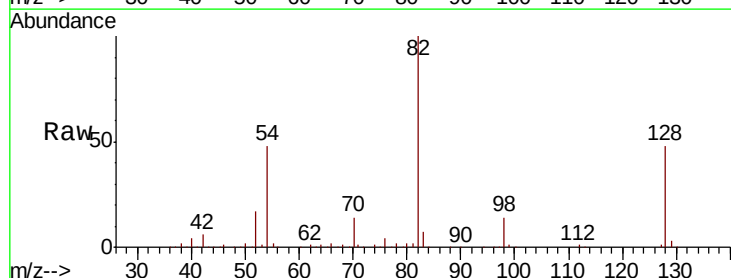
Instrument :
BNA_F
ClientSampleId :

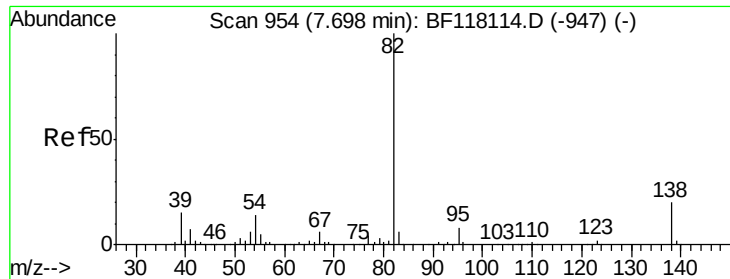
Tot Ion:136	Resp:	379222
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.0 13.6
54	5.4	5.0 7.6
68	4.2	3.8 5.8



#23
Nitrobenzene-d5
Concen: 87.234 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118209.D
Acq: 16 Dec 2019 21:11

Tgt Ion: 82	Resp:	588024
Ion Ratio	Lower	Upper
82	100	
128	48.3	39.1 58.7
54	47.8	38.2 57.2





#25

Isophorone

Concen: 50.605 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118209.D

Acq: 16 Dec 2019 21:11

Instrument :

BNA_F

ClientSampled :

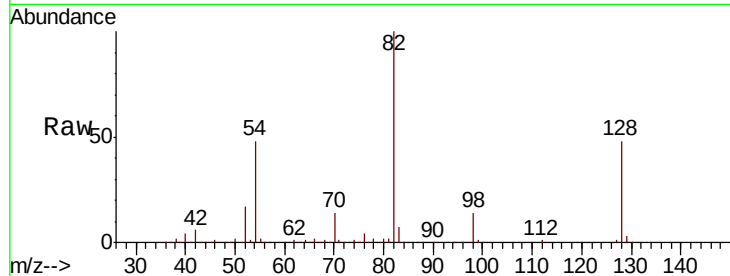
Tot Ion: 82 Resp: 578264

Ion Ratio Lower Upper

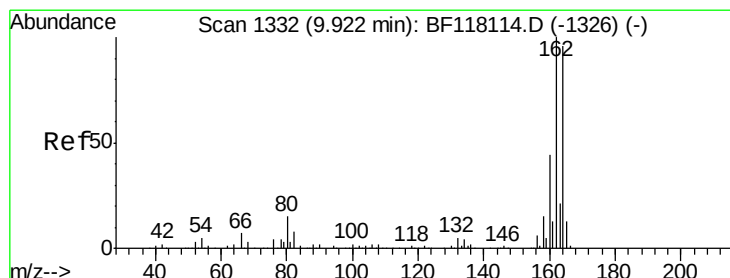
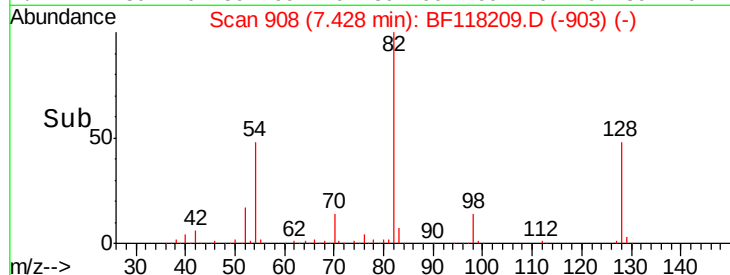
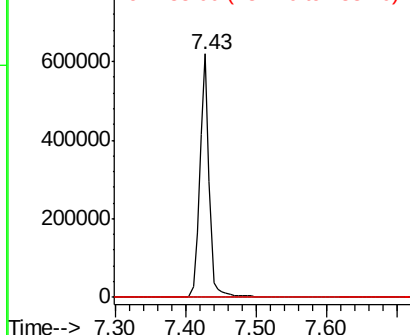
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118209.D

Acq: 16 Dec 2019 21:11

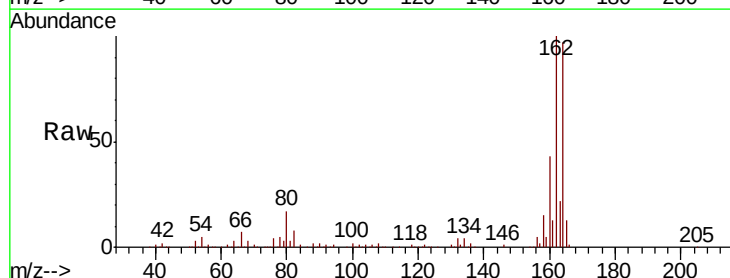
Tgt Ion: 164 Resp: 202298

Ion Ratio Lower Upper

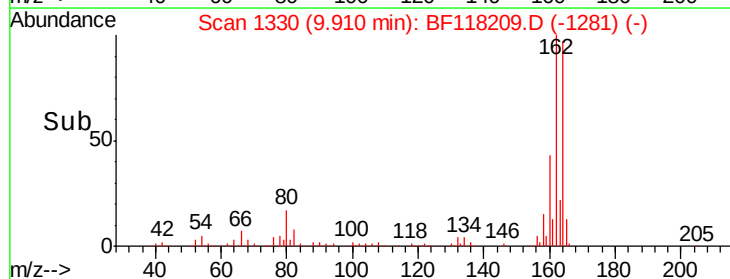
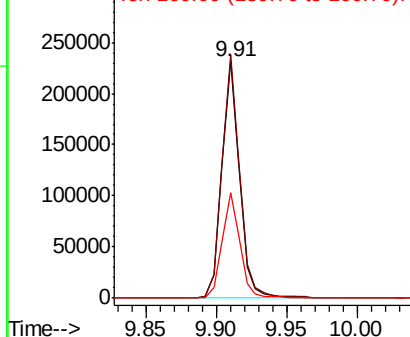
164 100

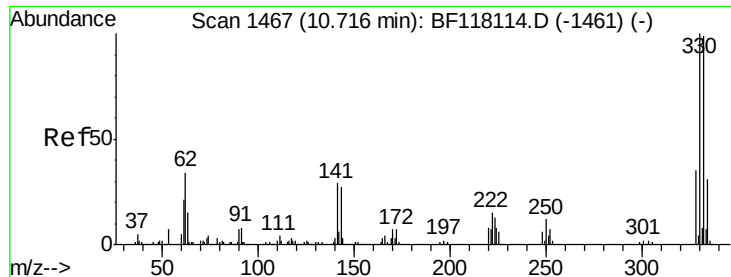
162 102.8 83.4 125.0

160 44.3 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

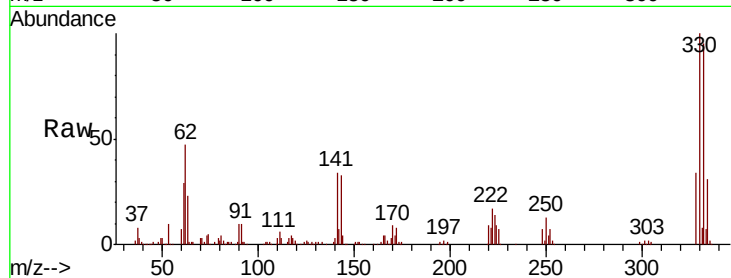




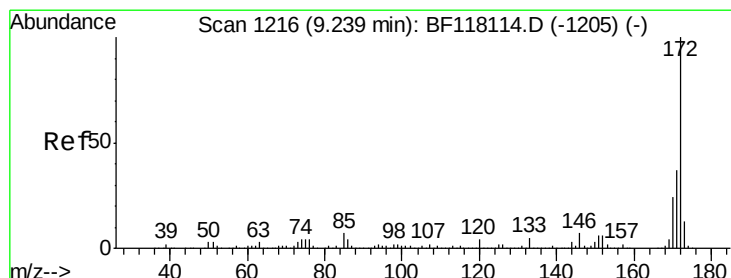
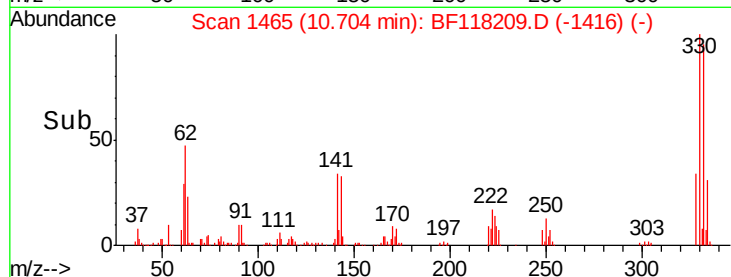
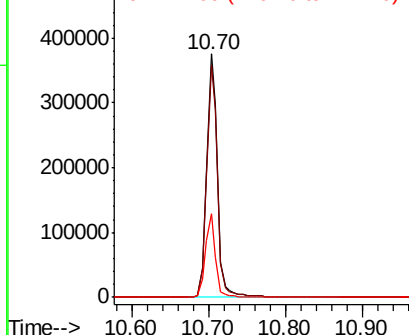
#42
 2,4,6-Tribromophenol
 Concen: 148.087 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 363932
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.1 117.1
 141 32.6 26.9 40.3

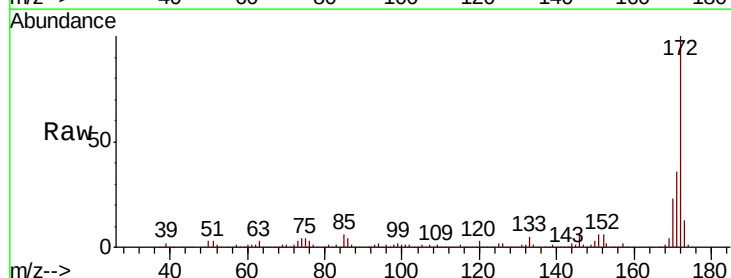


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

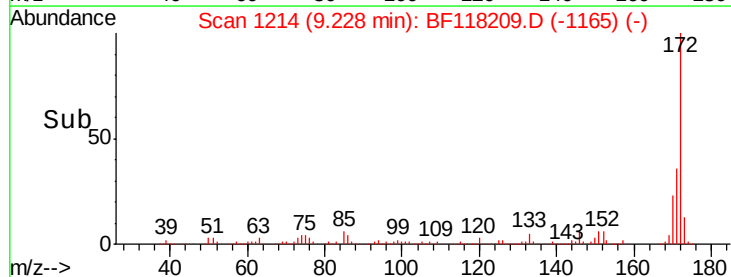
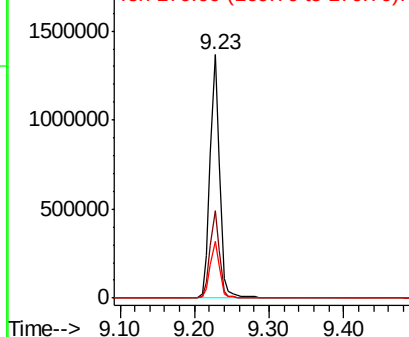


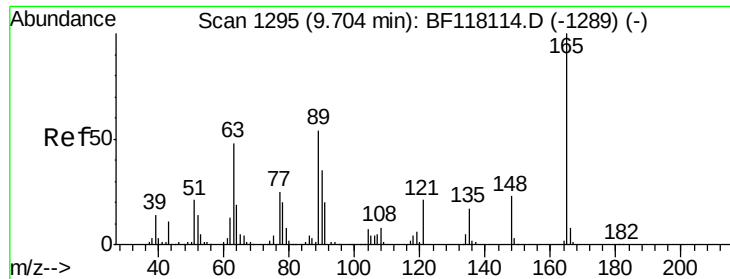
#45
 2-Fluorobiphenyl
 Concen: 92.324 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Tgt Ion:172 Resp: 1227417
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.4 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

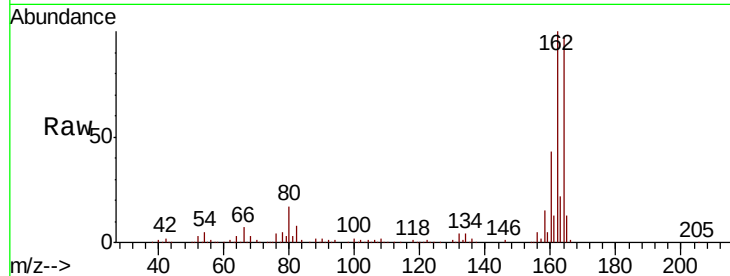




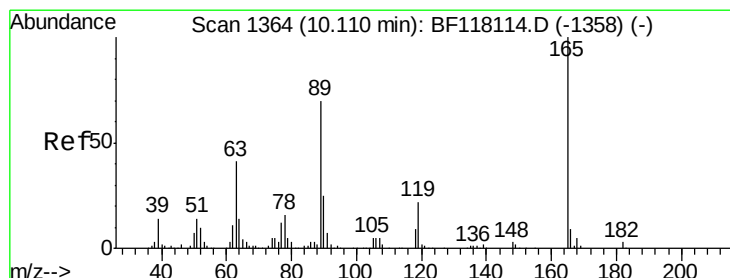
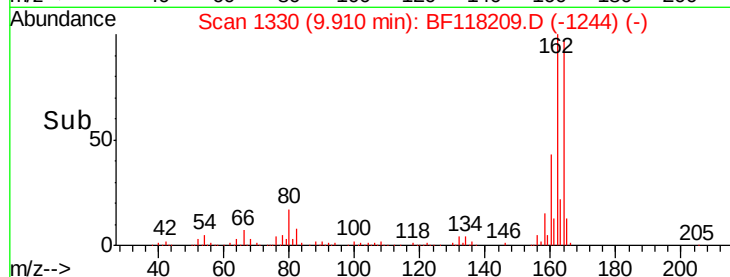
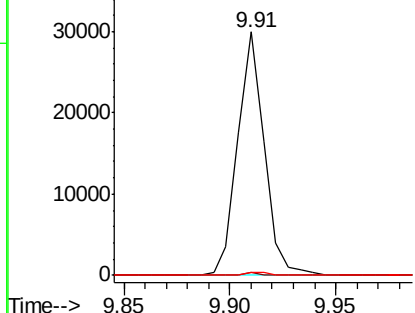
#51
 2,6-Dinitrotoluene
 Concen: 8.027 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.4	62.0#
89	1.3	42.9	64.3#



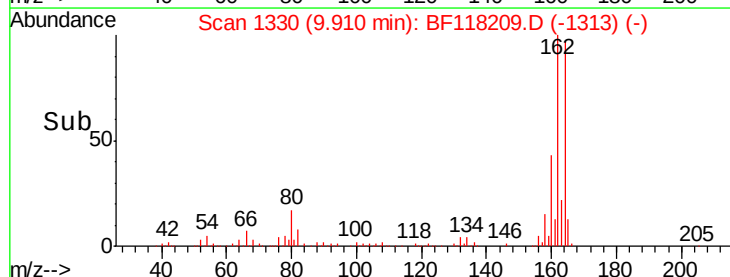
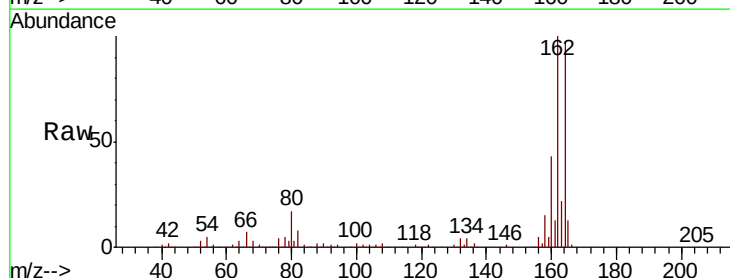
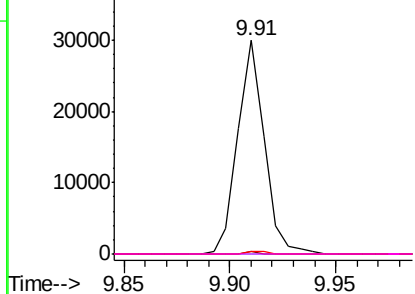
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

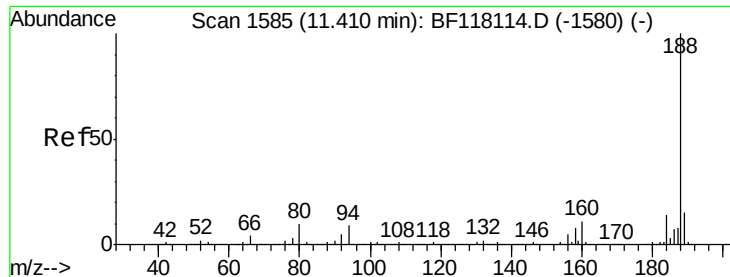


#57
 2,4-Dinitrotoluene
 Concen: 6.014 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.6	49.0#
89	1.3	56.1	84.1#
182	0.0	2.1	3.1#

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

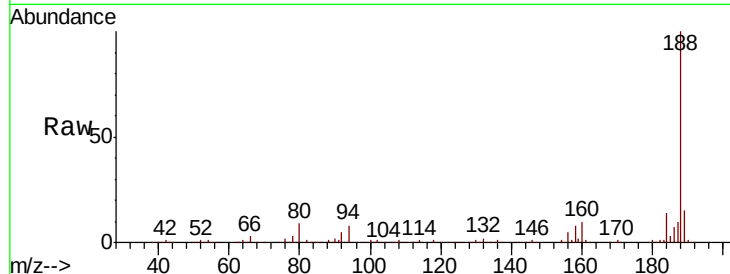




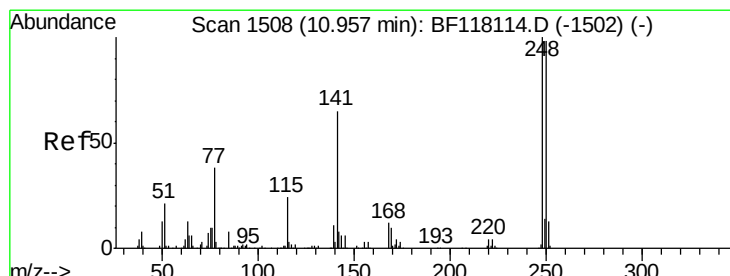
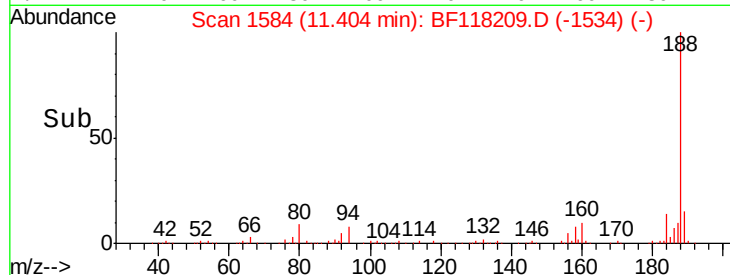
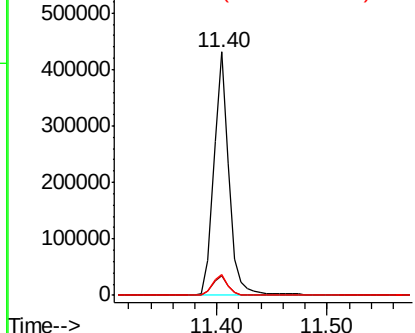
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 402942
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.1 10.7
 80 8.6 7.9 11.9

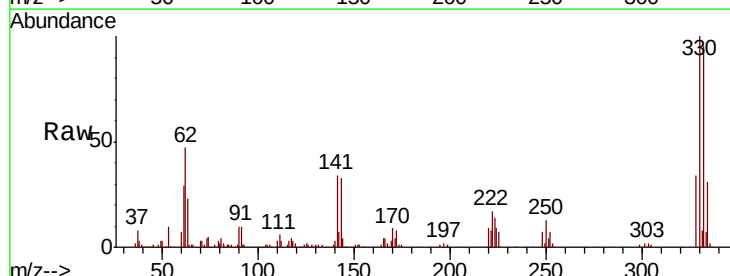


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

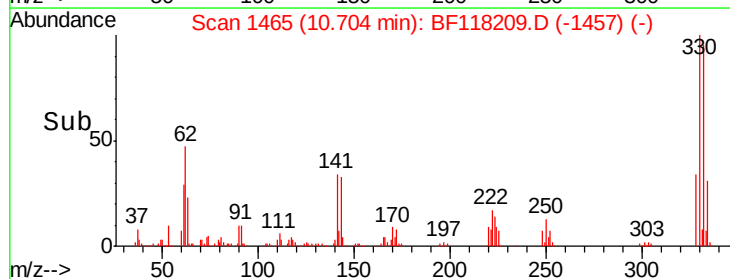
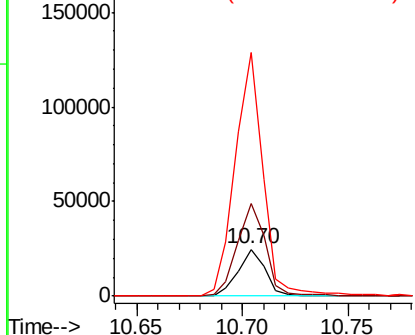


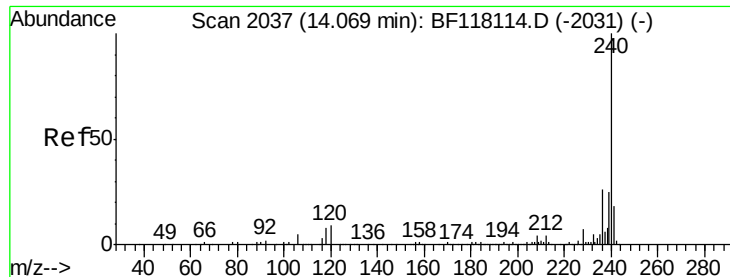
#67
 4-Bromophenyl-phenylether
 Concen: 4.834 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Tgt Ion:248 Resp: 22235
 Ion Ratio Lower Upper
 248 100
 250 197.9 78.3 117.5#
 141 520.5 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

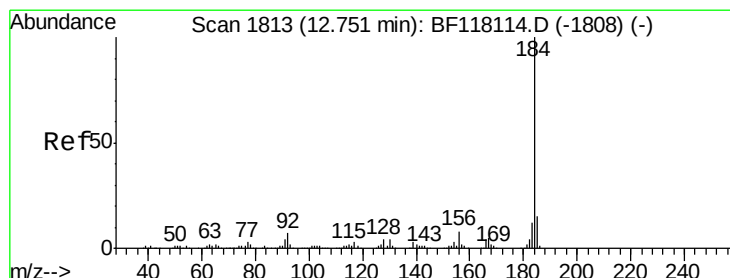
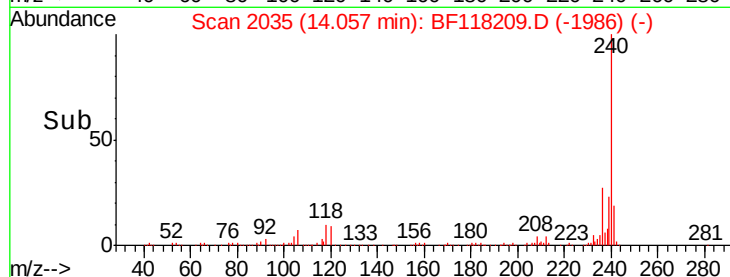
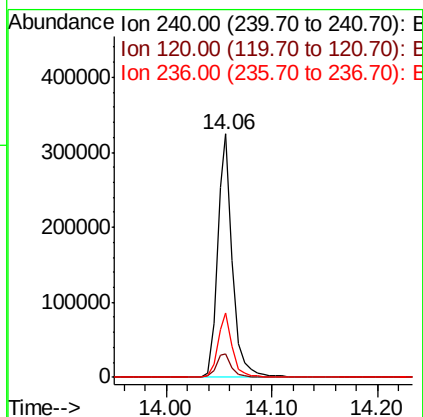
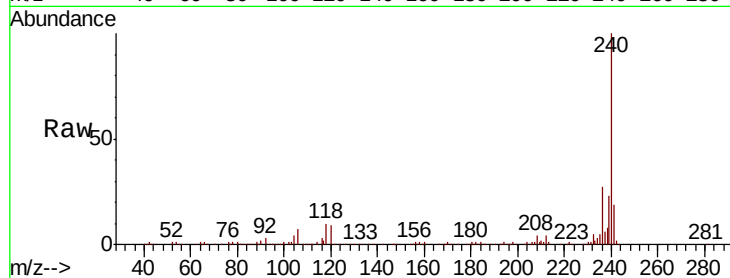




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

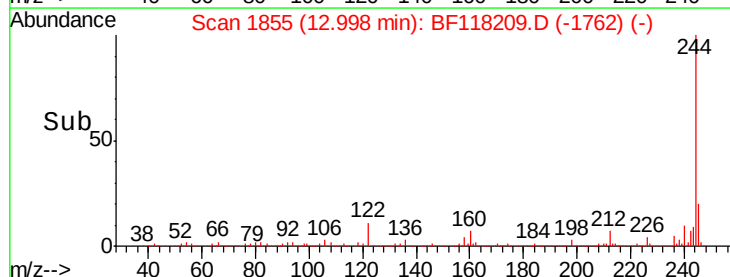
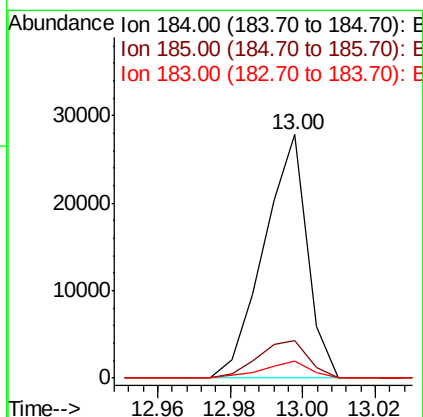
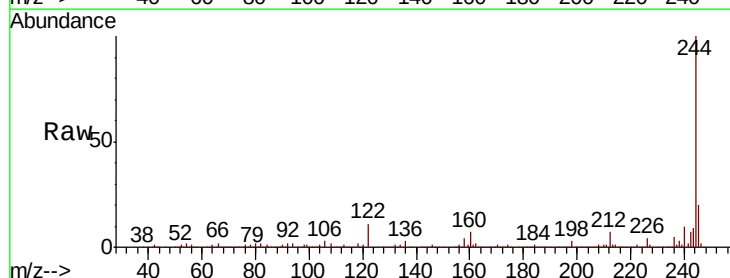
Instrument :
 BNA_F
 ClientSampleId :

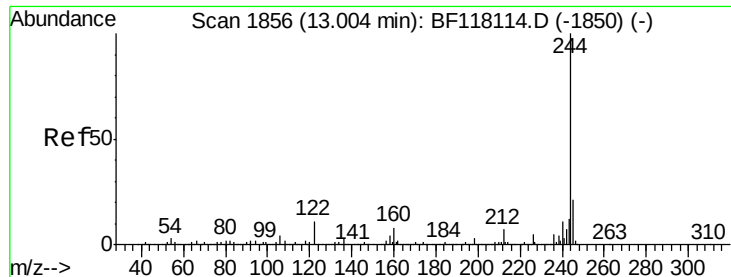
Tot Ion:240 Resp: 319953
 Ion Ratio Lower Upper
 240 100
 120 9.5 7.1 10.7
 236 26.7 21.0 31.6



#77
 Benzidine
 Concen: 2.763 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118209.D
 Acq: 16 Dec 2019 21:11

Tgt Ion:184 Resp: 23270
 Ion Ratio Lower Upper
 184 100
 185 15.5 12.3 18.5
 183 6.9 9.9 14.9#





#79

Terphenyl-d14

Concen: 90.631 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118209.D

Acq: 16 Dec 2019 21:11

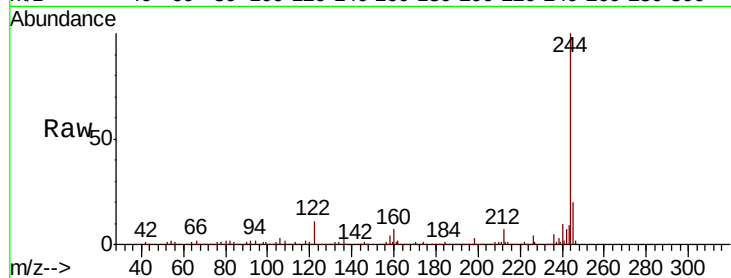
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1686276

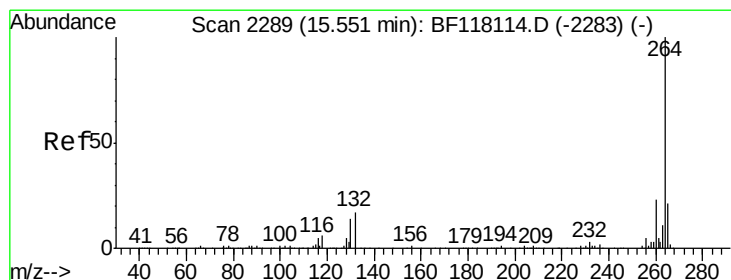
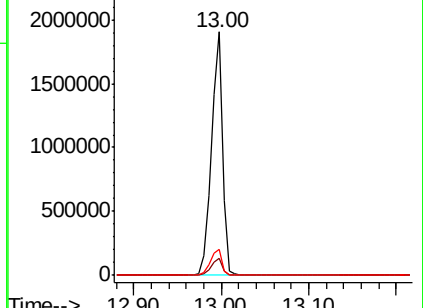
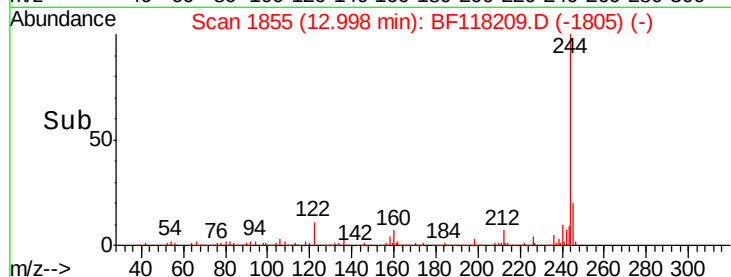
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.7	9.0	13.6



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: 15.54 min Scan# 2288

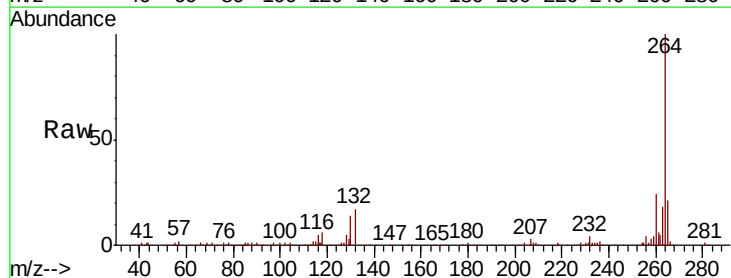
Delta R.T. -0.01 min

Lab File: BF118209.D

Acq: 16 Dec 2019 21:11

Tgt Ion:264 Resp: 252123

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.3	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

