

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118186.D
 Acq On : 13 Dec 2019 15:15
 Operator : JU
 Sample : K6235-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Quant Time: Dec 13 22:46:00 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	120728	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	466019	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	243889	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	450115	20.00	ng	0.00
76) Chrysene-d12	14.06	240	294937	20.00	ng	-0.01
87) Perylene-d12	15.55	264	269610	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	418572	60.72	ng	0.00
7) Phenol-d6	6.49	99	311037	37.31	ng	0.00
23) Nitrobenzene-d5	7.43	82	716542	86.50	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	417855	141.03	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1438294	89.74	ng	0.00
79) Terphenyl-d14	13.00	244	1756899	102.44	ng	0.00

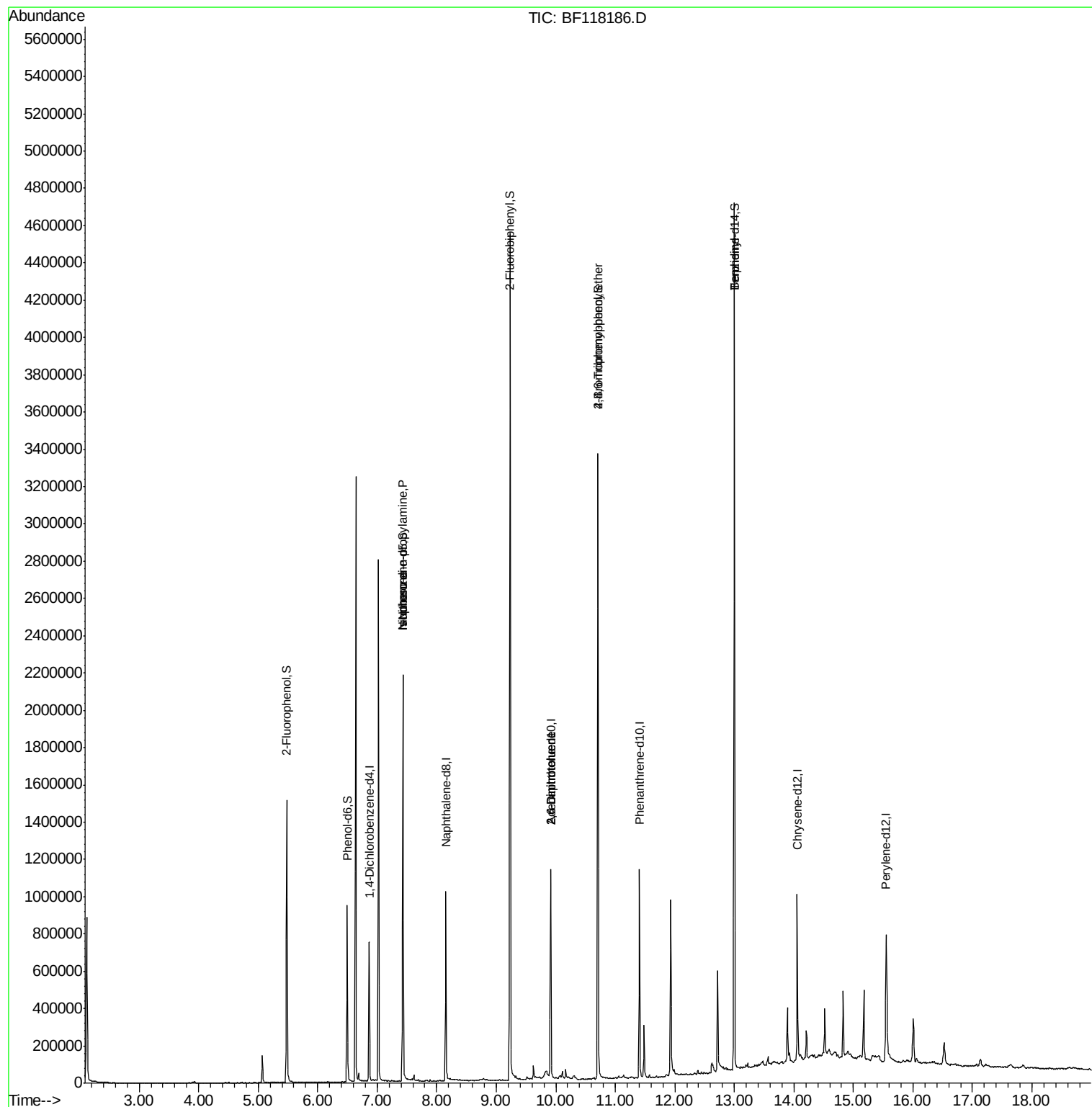
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	19294	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.43	70	99592	19.658	ng	# 77
25) Isophorone	7.43	82	712754	50.757	ng	# 62
51) 2,6-Dinitrotoluene	9.92	165	31262	7.981	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	31262	5.979	ng	# 26
67) 4-Bromophenyl-phenylether	10.71	248	26372	5.133	ng	# 1
77) Benizidine	13.00	184	24846	3.200	ng	# 94

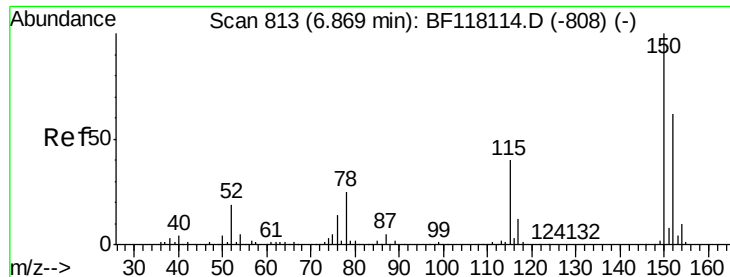
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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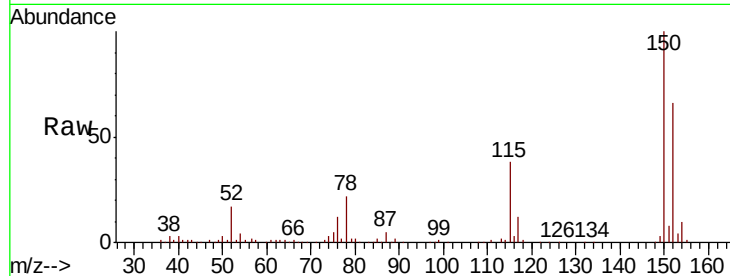


#1

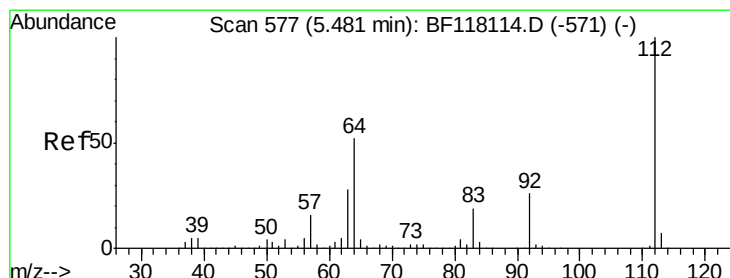
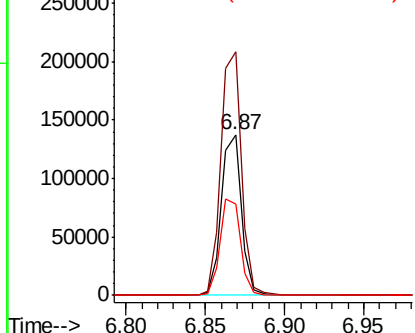
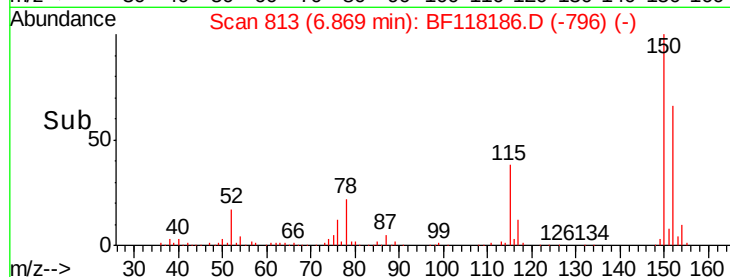
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118186.D
Acq: 13 Dec 2019 15:15

Instrument :
BNA_F
ClientSampleId :
DUP

Tot Ion:152 Resp: 120728
Ion Ratio Lower Upper
152 100
150 151.6 128.3 192.5
115 57.1 51.1 76.7



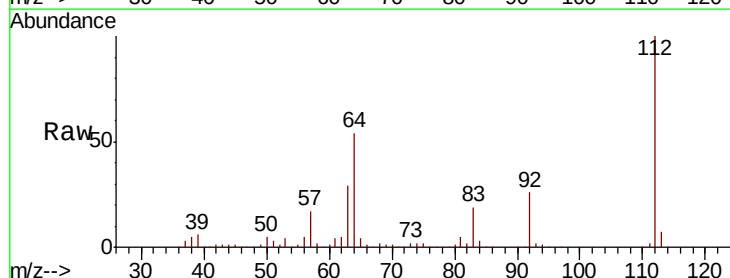
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



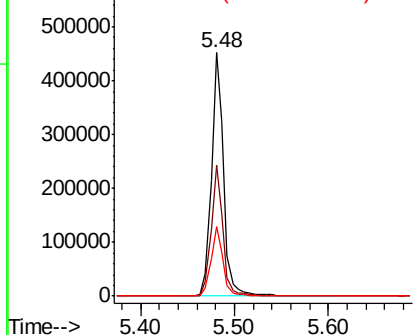
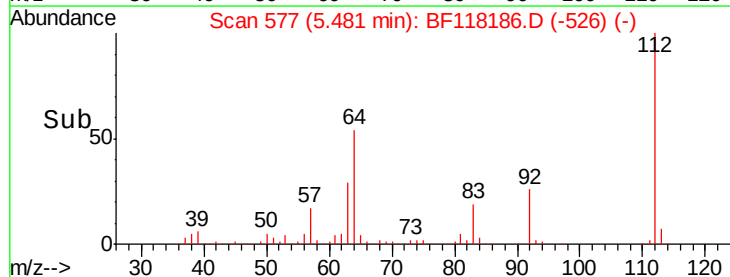
#5

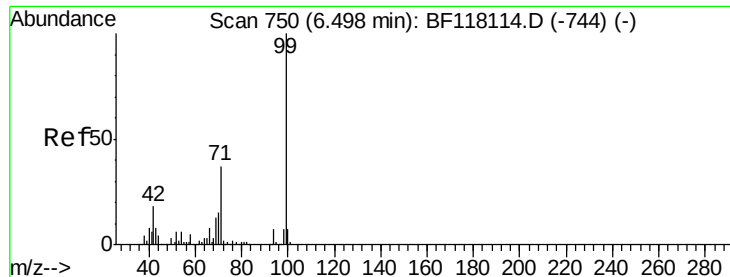
2-Fluorophenol
Concen: 60.724 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118186.D
Acq: 13 Dec 2019 15:15

Tgt Ion:112 Resp: 418572
Ion Ratio Lower Upper
112 100
64 53.9 41.3 61.9
63 28.7 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: 37.307 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA_F

ClientSampleId :

DUP

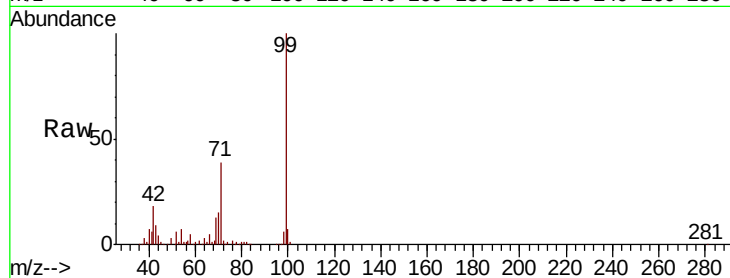
Tot Ion: 99 Resp: 311037

Ion Ratio Lower Upper

99 100

42 18.2 14.1 21.1

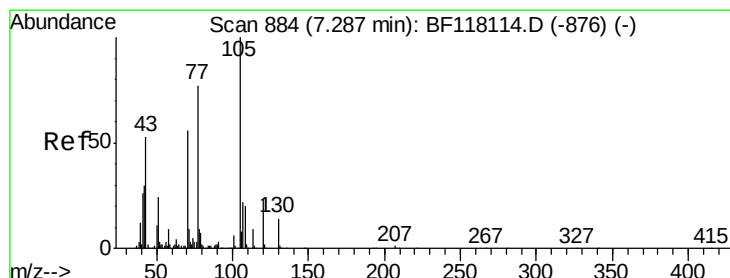
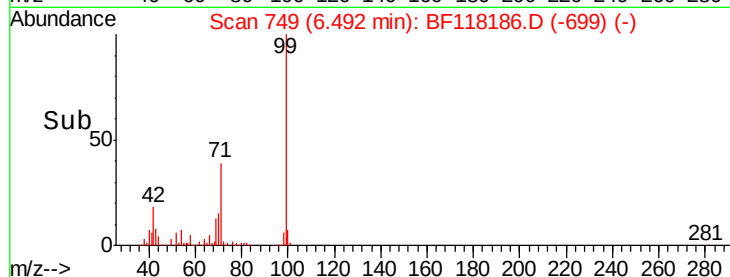
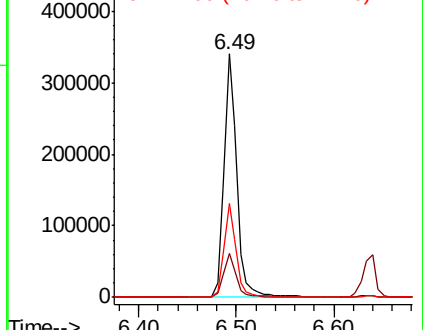
71 38.8 29.7 44.5



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: 19.658 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

Tgt Ion: 70 Resp: 99592

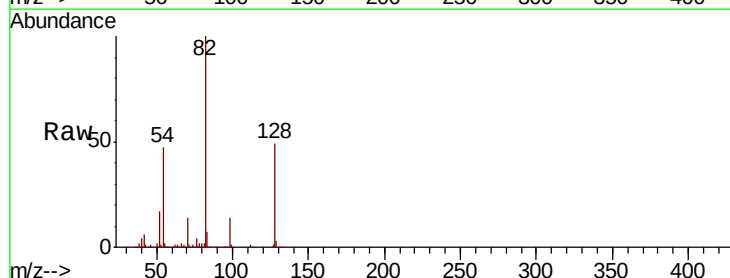
Ion Ratio Lower Upper

70 100

42 45.1 43.2 64.8

101 0.0 8.1 12.1#

130 2.2 19.8 29.8#

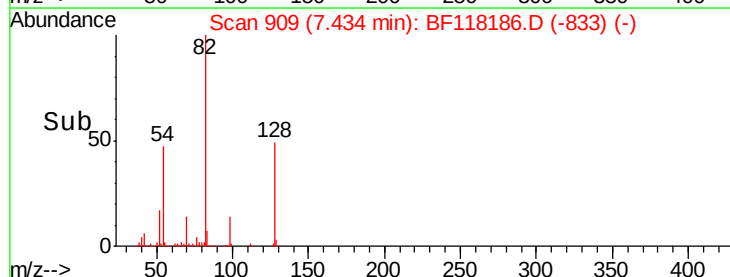
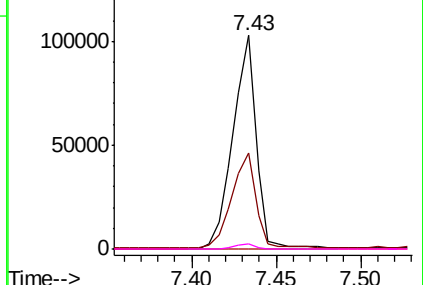


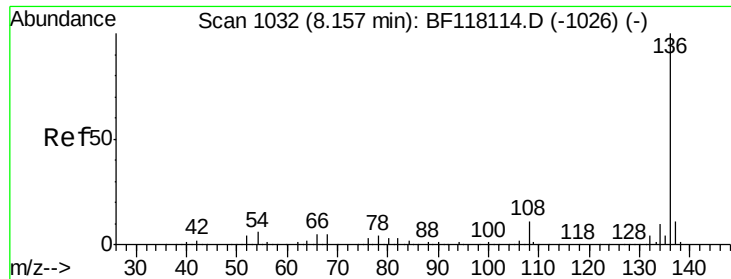
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

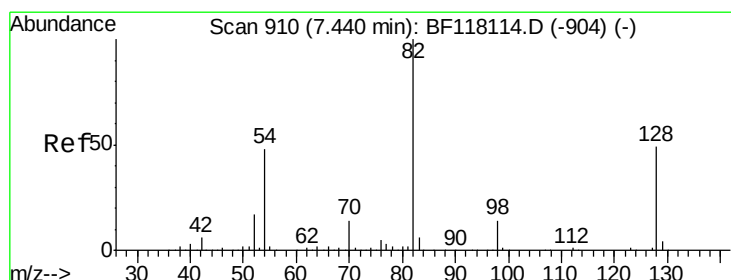
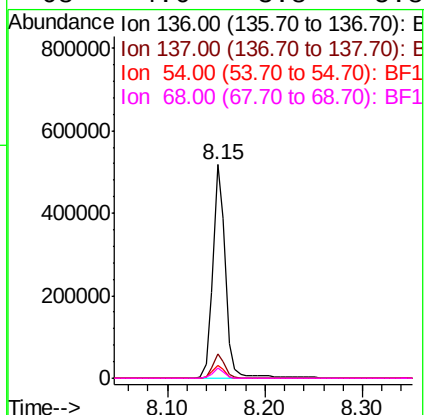
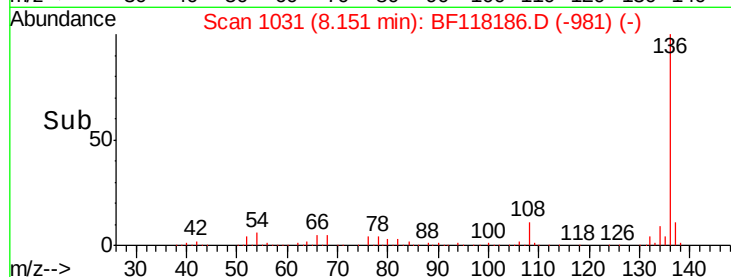
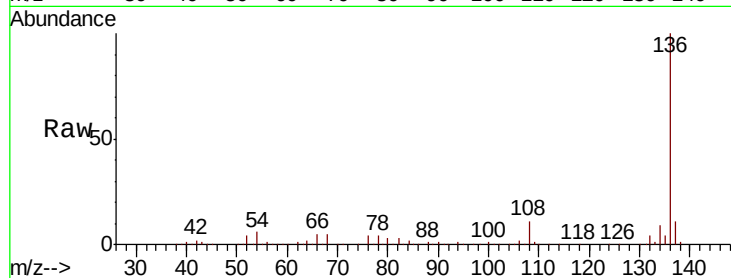




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118186.D
Acq: 13 Dec 2019 15:15

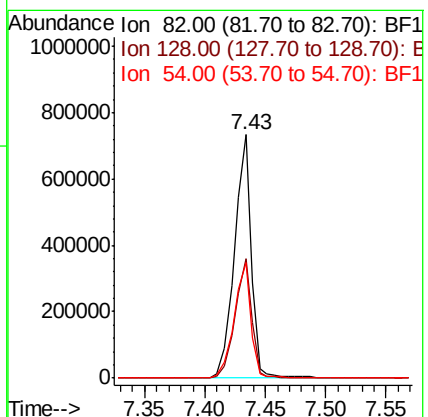
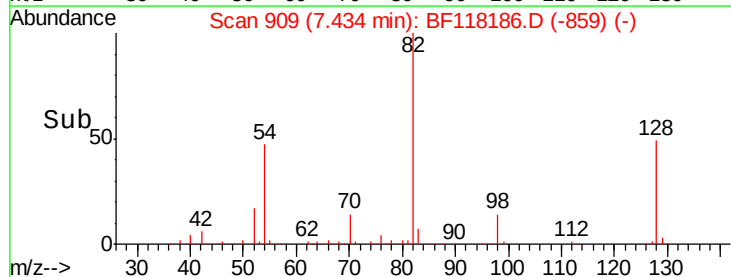
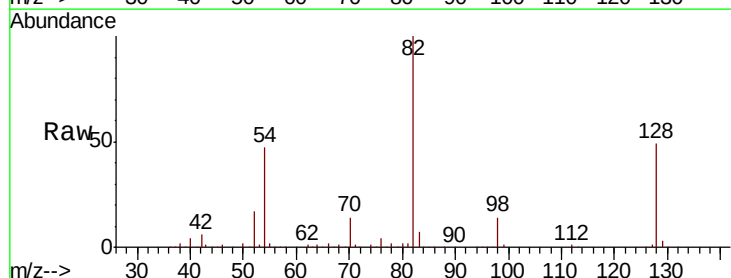
Instrument :
BNA_F
ClientSampleId :
DUP

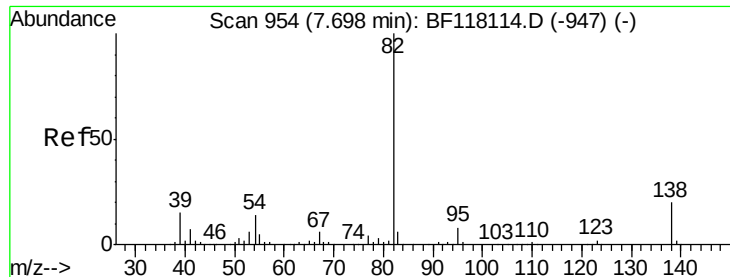
Tot Ion:136	Resp:	466019
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.6
54	6.3	5.0 7.6
68	4.6	3.8 5.8



#23
Nitrobenzene-d5
Concen: 86.501 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118186.D
Acq: 13 Dec 2019 15:15

Tgt Ion: 82	Resp:	716542
Ion Ratio	Lower	Upper
82	100	
128	49.3	39.1 58.7
54	47.3	38.2 57.2





#25

Isophorone

Concen: 50.757 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA_F

ClientSampled :

DUP

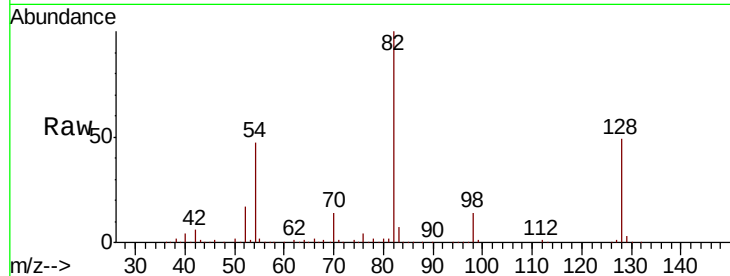
Tot Ion: 82 Resp: 712754

Ion Ratio Lower Upper

82 100

95 0.1 6.3 9.5#

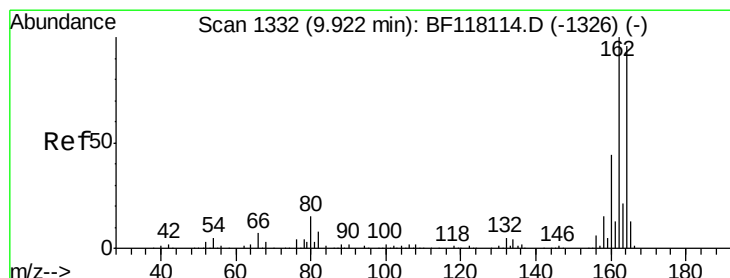
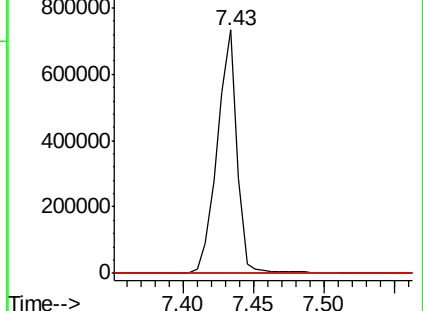
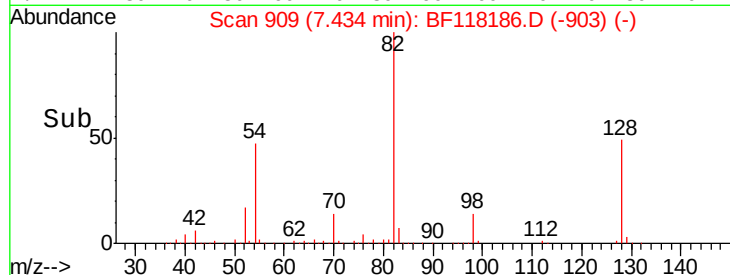
138 0.0 16.3 24.5#



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: BF118186.D

Acq: 13 Dec 2019 15:15

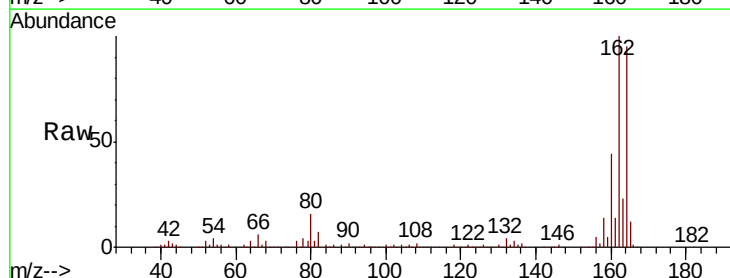
Tgt Ion: 164 Resp: 243889

Ion Ratio Lower Upper

164 100

162 105.2 83.4 125.0

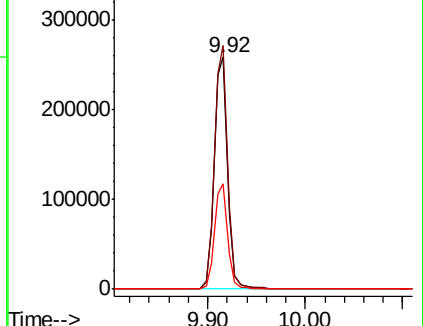
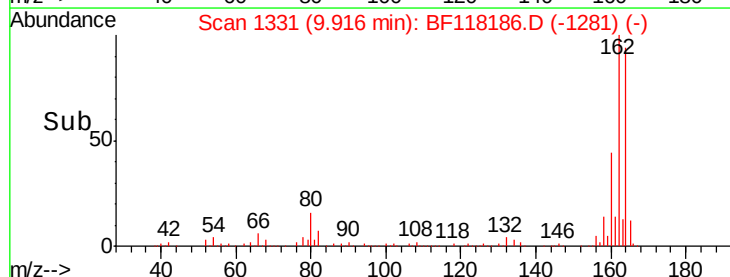
160 45.8 36.6 54.8

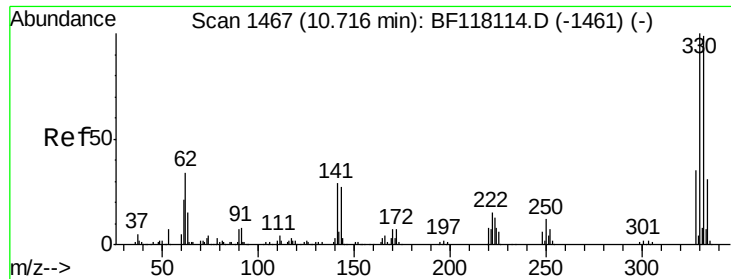


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 141.034 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA_F

ClientSampleId :

DUP

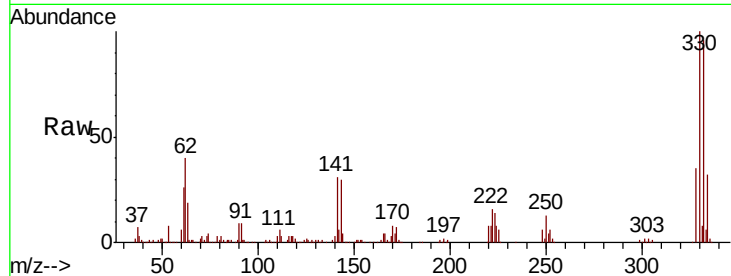
Tot Ion:330 Resp: 417855

Ion Ratio Lower Upper

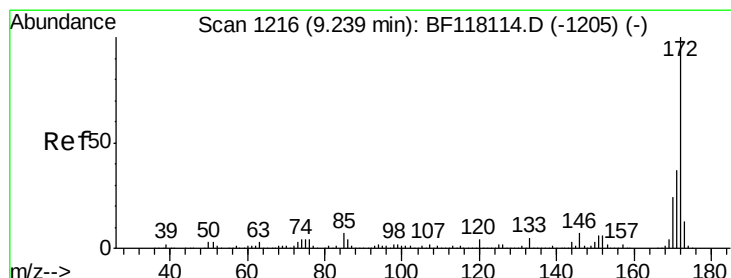
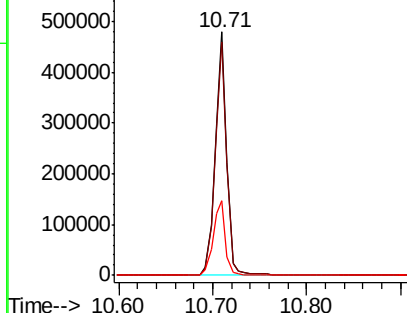
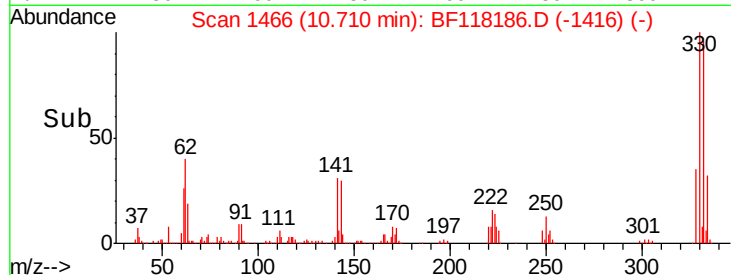
330 100

332 96.6 78.1 117.1

141 32.8 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: 89.736 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

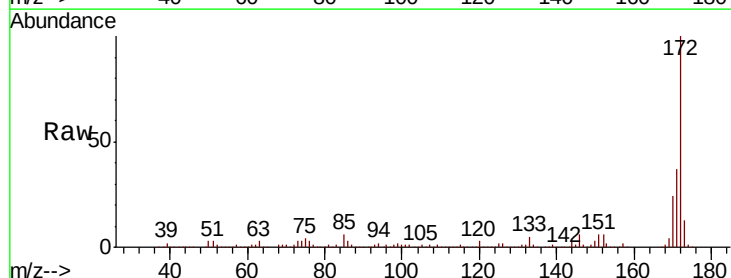
Tgt Ion:172 Resp: 1438294

Ion Ratio Lower Upper

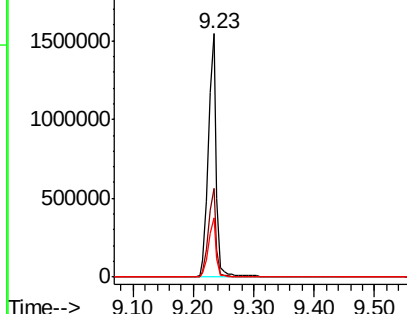
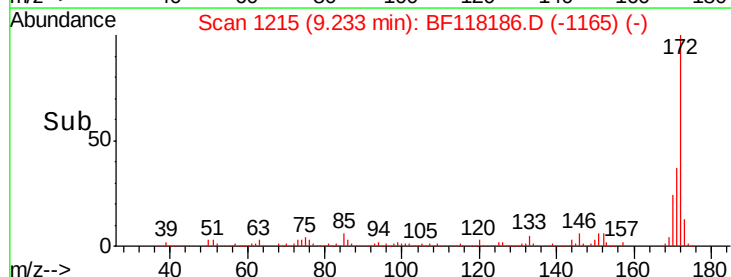
172 100

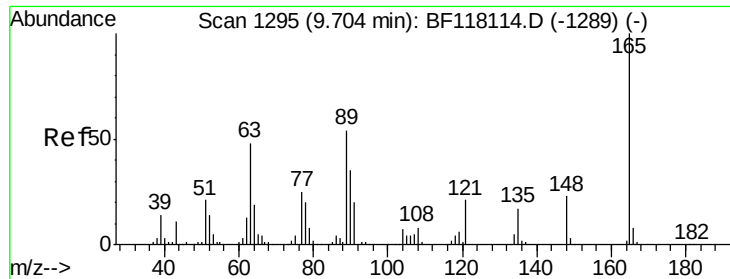
171 36.5 29.2 43.8

170 24.5 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

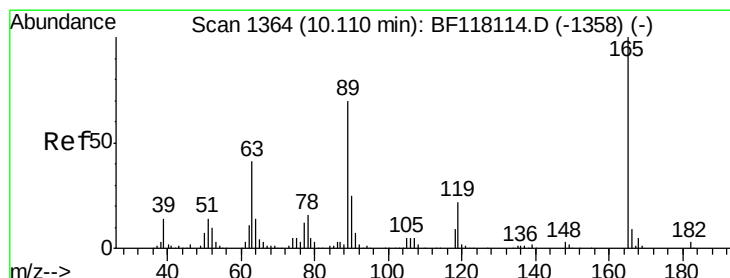
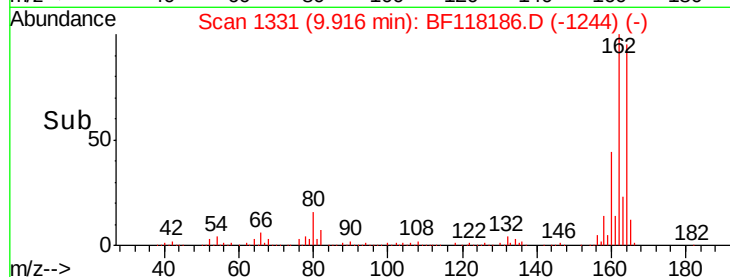
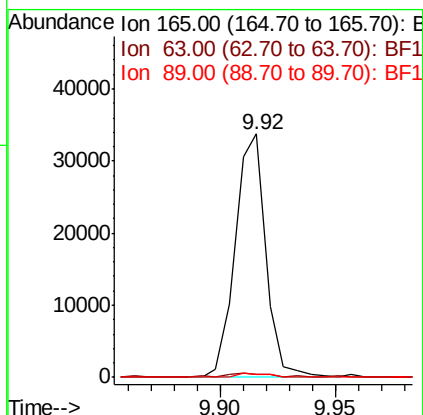
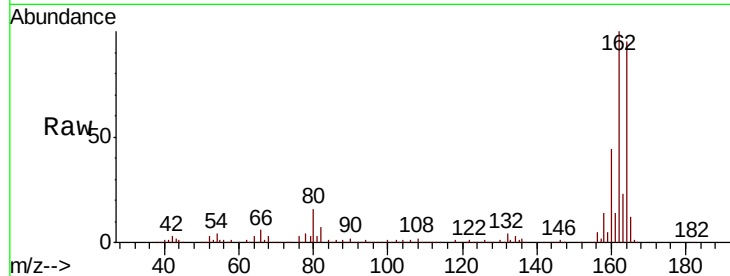




#51
 2,6-Dinitrotoluene
 Concen: 7.981 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF118186.D
 Acq: 13 Dec 2019 15:15

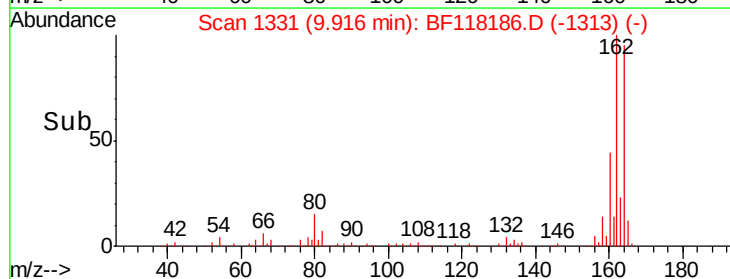
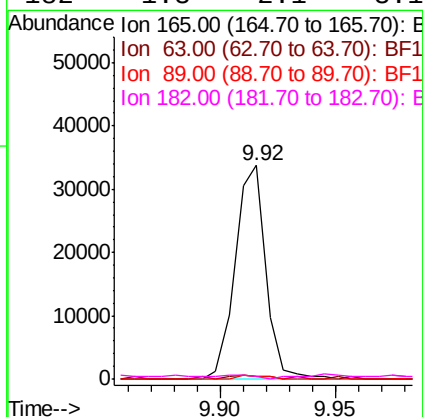
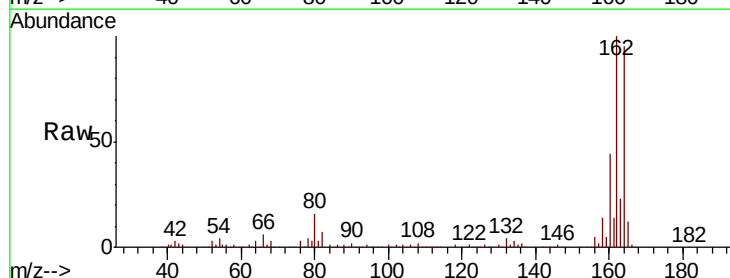
Instrument :
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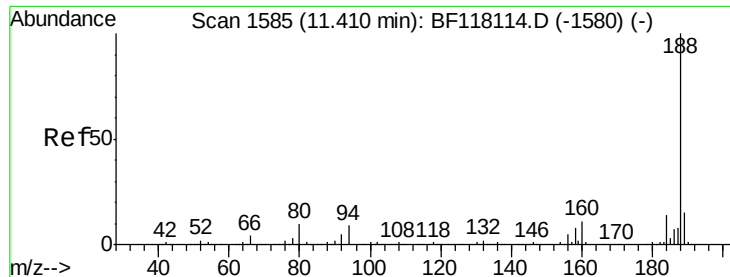
Tot Ion:	165	Resp:	31262
Ion Ratio	Lower	Upper	
165	100		
63	1.4	41.4	62.0#
89	1.4	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.979 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118186.D
 Acq: 13 Dec 2019 15:15

Tgt Ion:	165	Resp:	31262
Ion Ratio	Lower	Upper	
165	100		
63	1.4	32.6	49.0#
89	1.4	56.1	84.1#
182	1.3	2.1	3.1#

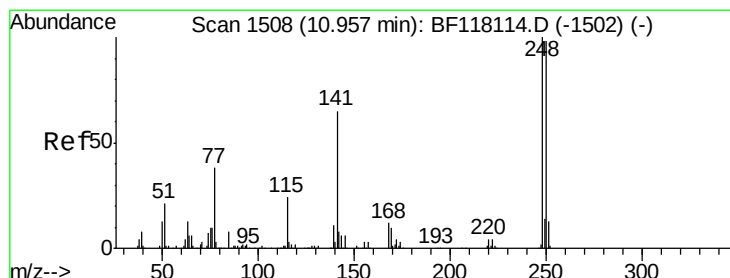
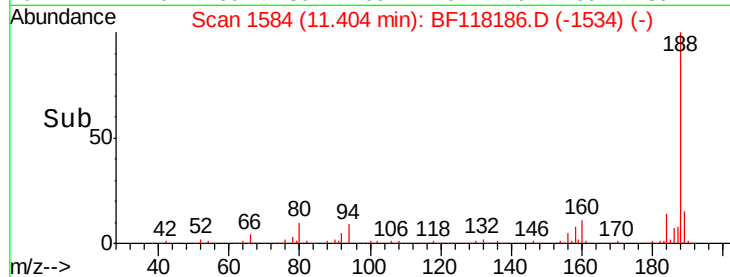
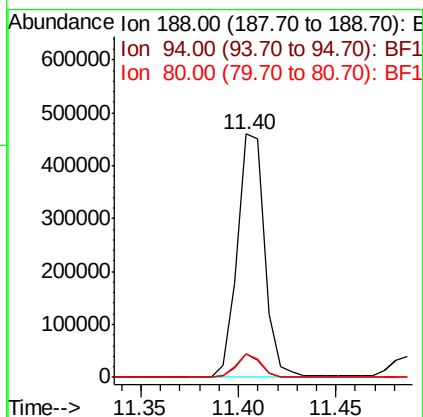
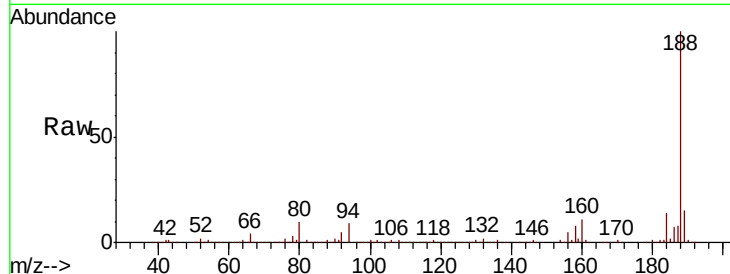




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118186.D
 Acq: 13 Dec 2019 15:15

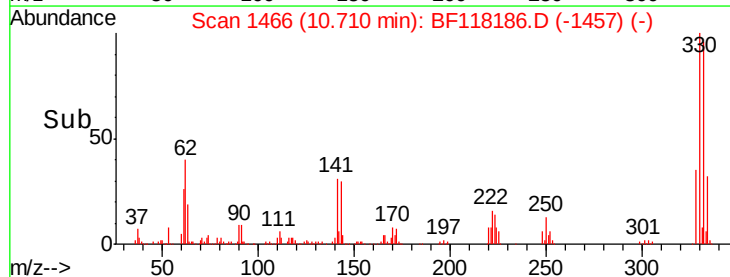
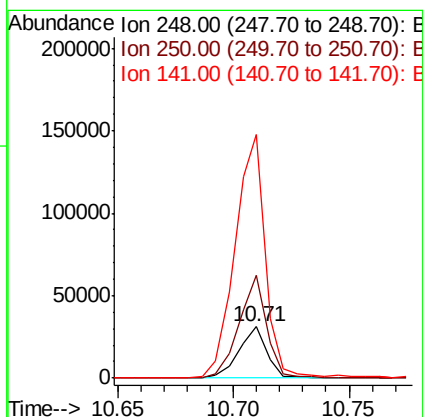
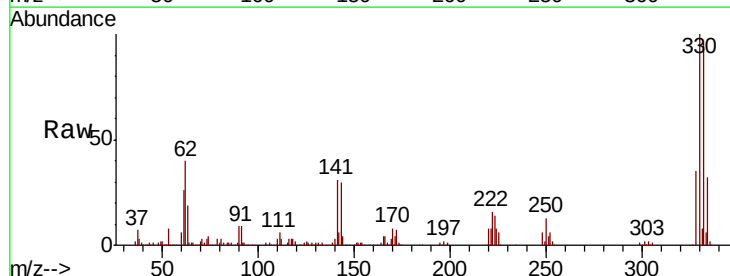
Instrument :
 BNA_F
 ClientSampleId :
 DUP

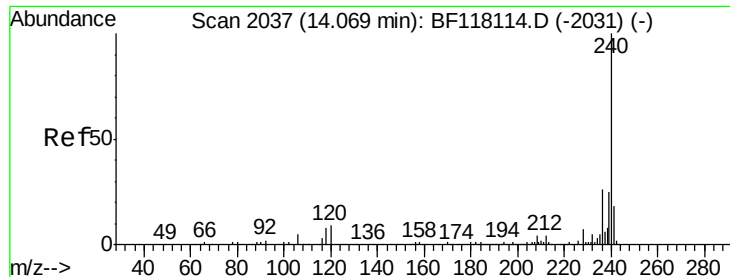
Tot Ion:	188	Resp:	450115
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.1	10.7
80	9.6	7.9	11.9



#67
 4-Bromophenyl-phenylether
 Concen: 5.133 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118186.D
 Acq: 13 Dec 2019 15:15

Tgt Ion:	248	Resp:	26372
Ion	Ratio	Lower	Upper
248	100		
250	201.3	78.3	117.5#
141	477.1	52.2	78.4#

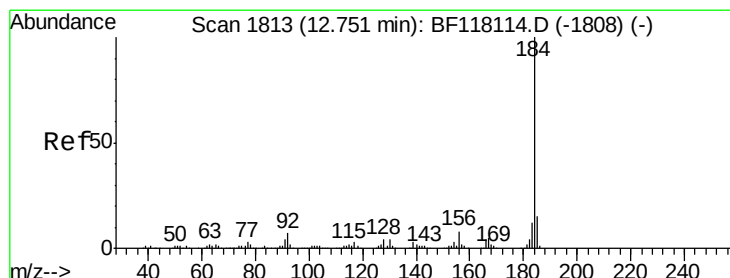
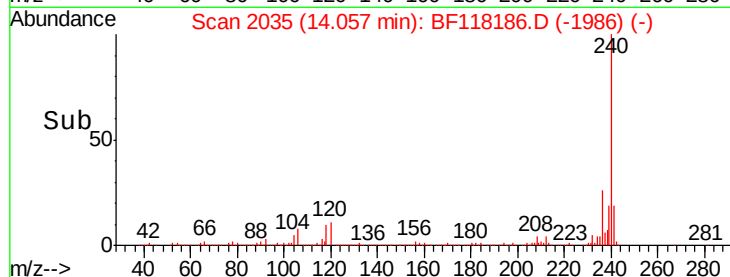
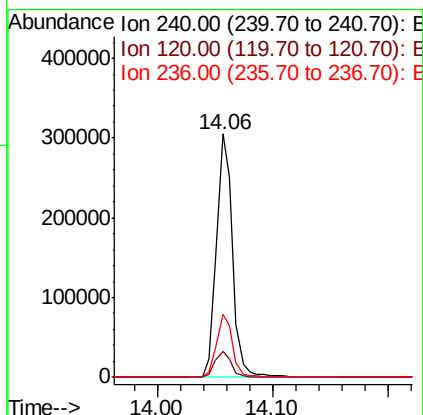
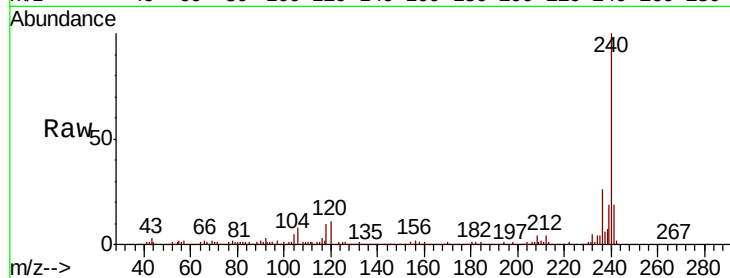




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118186.D
 Acq: 13 Dec 2019 15:15

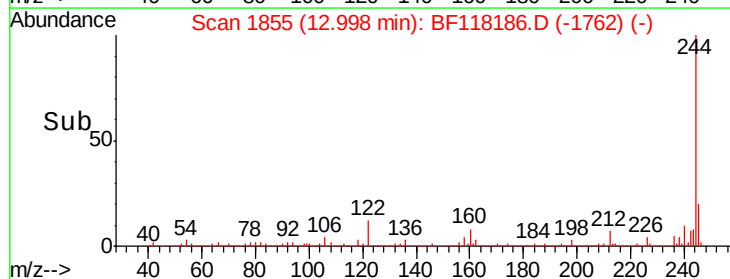
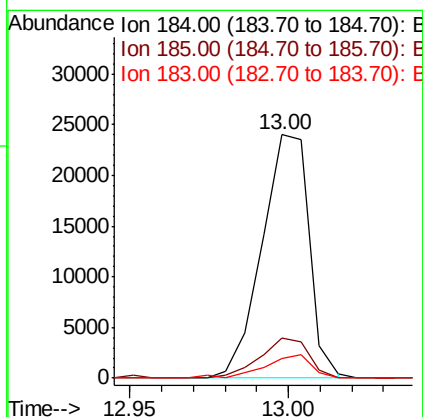
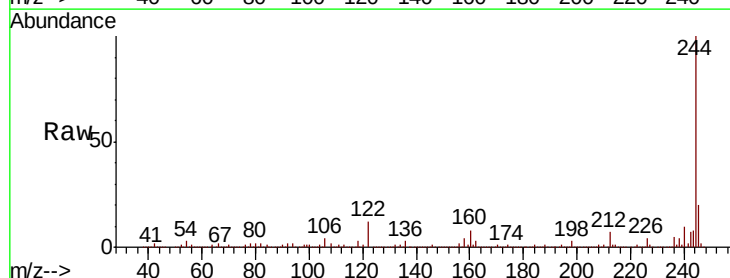
Instrument :
 BNA_F
 ClientSampleId :
 DUP

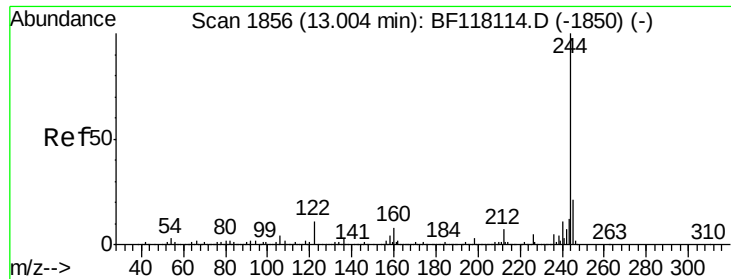
Tot Ion:240 Resp: 294937
 Ion Ratio Lower Upper
 240 100
 120 10.8 7.1 10.7#
 236 26.2 21.0 31.6



#77
 Benzidine
 Concen: 3.200 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118186.D
 Acq: 13 Dec 2019 15:15

Tgt Ion:184 Resp: 24846
 Ion Ratio Lower Upper
 184 100
 185 16.5 12.3 18.5
 183 8.0 9.9 14.9#





#79

Terphenyl-d14

Concen: 102.436 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA_F

ClientSampleID :

DUP

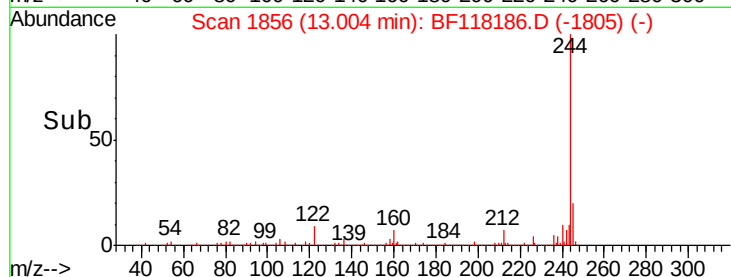
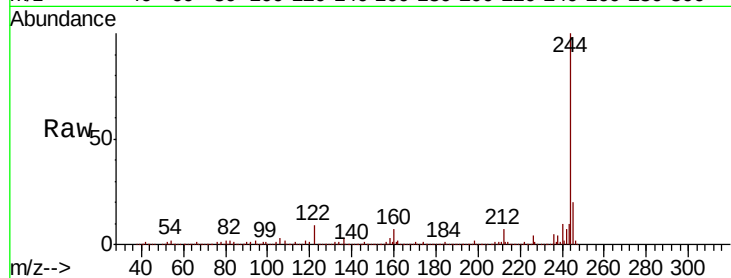
Tot Ion:244 Resp: 1756899

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

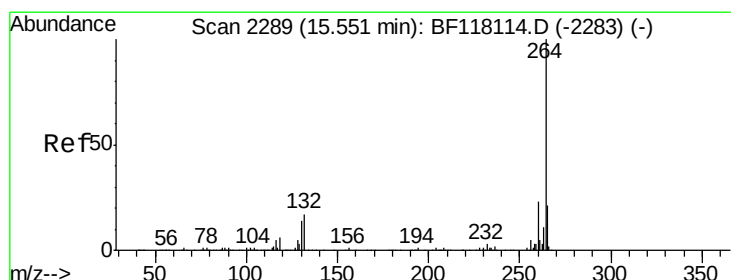
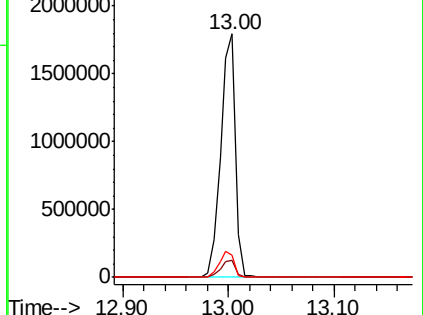
122 9.2 9.0 13.6



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: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118186.D

Acq: 13 Dec 2019 15:15

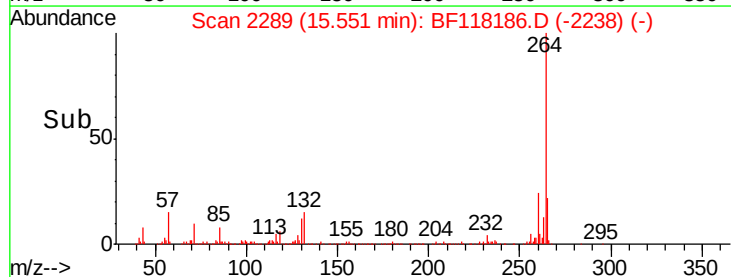
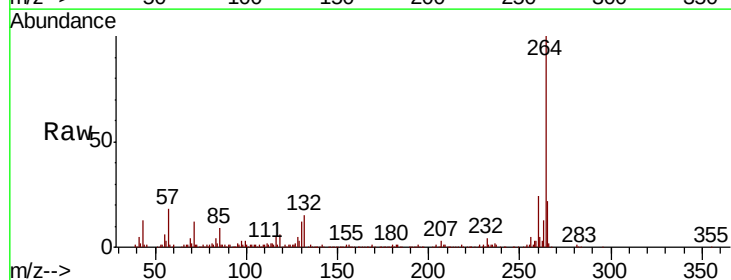
Tgt Ion:264 Resp: 269610

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 22.0 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

