

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118028.D
 Acq On : 27 Nov 2019 5:01
 Operator : JU
 Sample : K6014-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 07:50:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

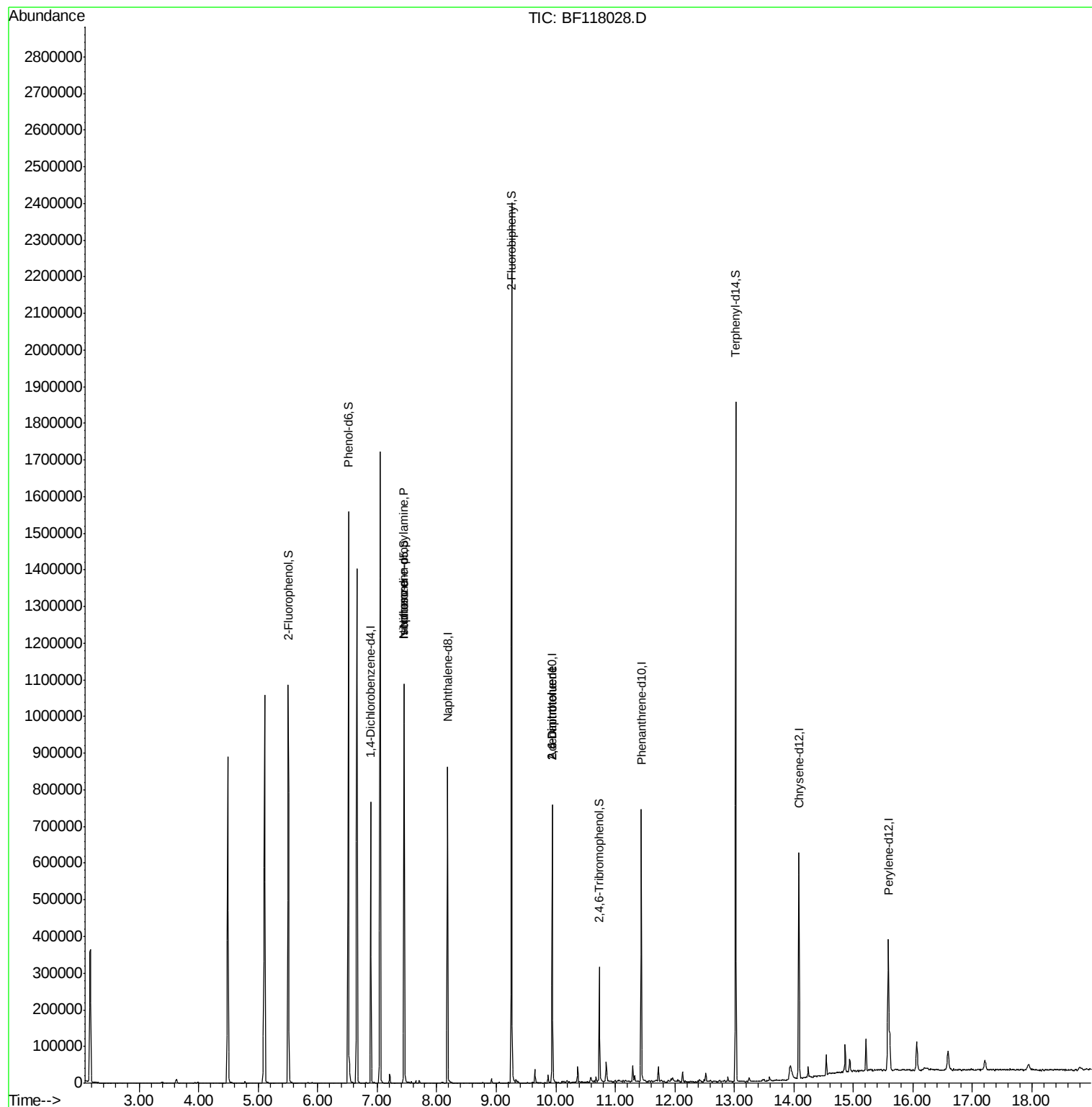
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	105417	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	376979	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	162134	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	257084	20.00	ng	0.00
76) Chrysene-d12	14.09	240	201355	20.00	ng	0.00
87) Perylene-d12	15.59	264	163281	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	287192	48.22	ng	0.00
7) Phenol-d6	6.52	99	501937	69.88	ng	0.00
23) Nitrobenzene-d5	7.45	82	357965	56.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	41690	24.29	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	683905	75.68	ng	0.00
79) Terphenyl-d14	13.03	244	649717	58.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	812	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.45	70	47969	10.825 ng	#	1
25) Isophorone	7.45	82	357963	30.798 ng	#	74
51) 2,6-Dinitrotoluene	9.94	165	20313	8.175 ng	#	62
57) 2,4-Dinitrotoluene	9.94	165	20313	6.426 ng	#	23
75) Fluoranthene	12.65	202	589	Below Cal	#	25
						63

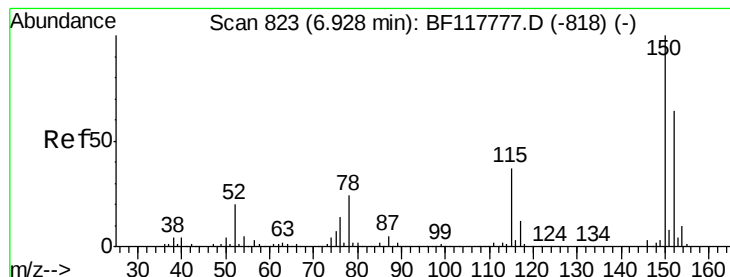
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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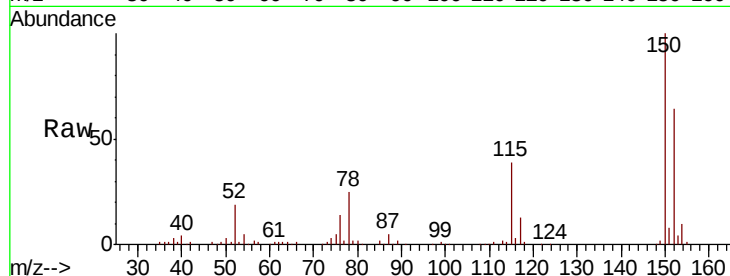


#1

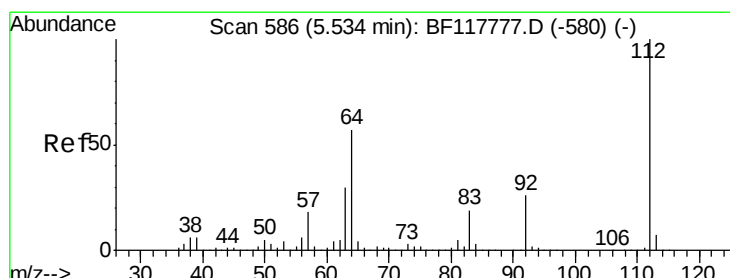
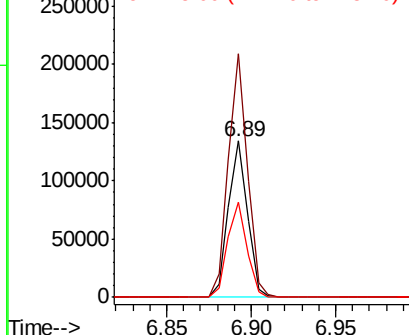
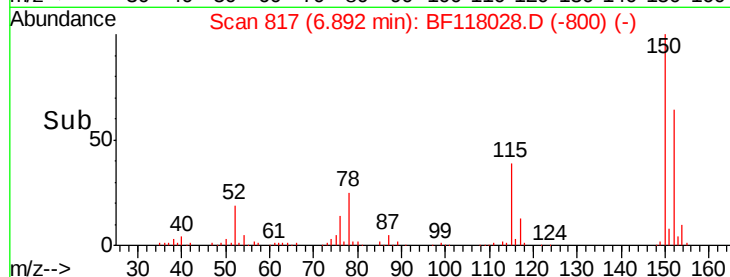
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF118028.D
 Acq: 27 Nov 2019 5:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.3	187.9
115	61.2	47.0	70.4



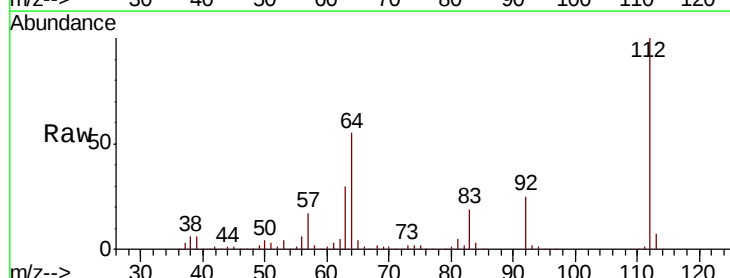
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



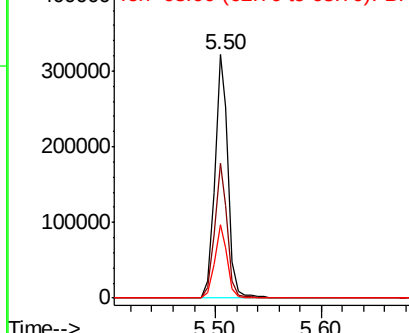
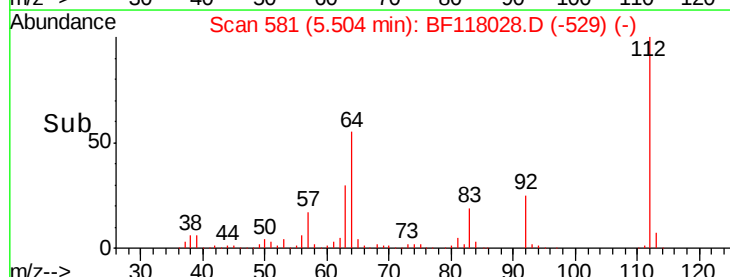
#5

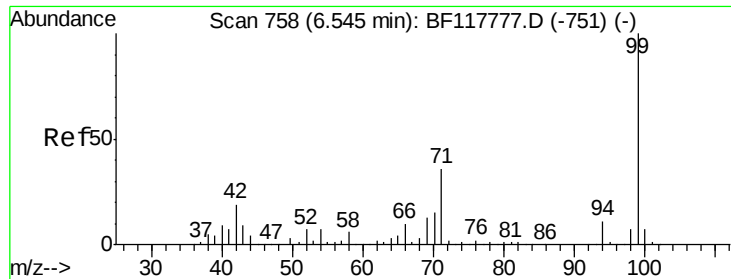
2-Fluorophenol
 Concen: 48.224 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF118028.D
 Acq: 27 Nov 2019 5:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.6	68.4
63	30.4	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: 69.877 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

Instrument :

BNA_F

ClientSampleId :

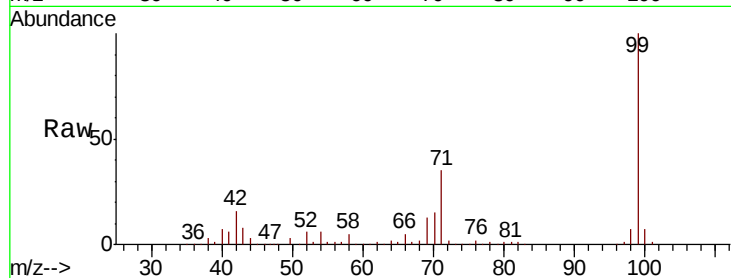
Tot Ion: 99 Resp: 501937

Ion Ratio Lower Upper

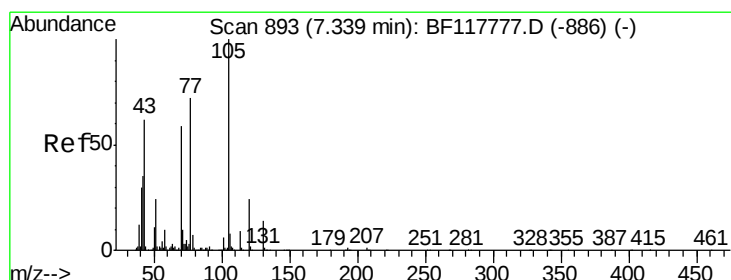
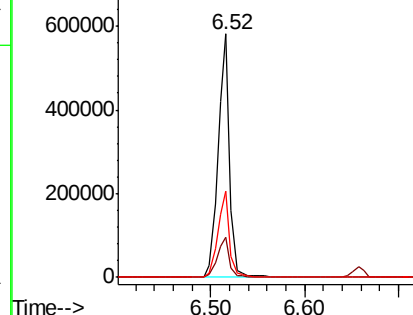
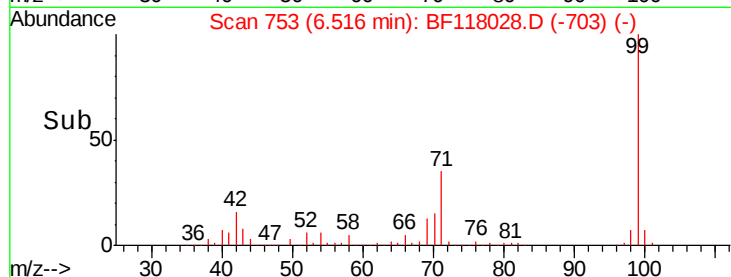
99 100

42 16.3 14.9 22.3

71 35.3 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: 10.825 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

Tgt Ion: 70 Resp: 47969

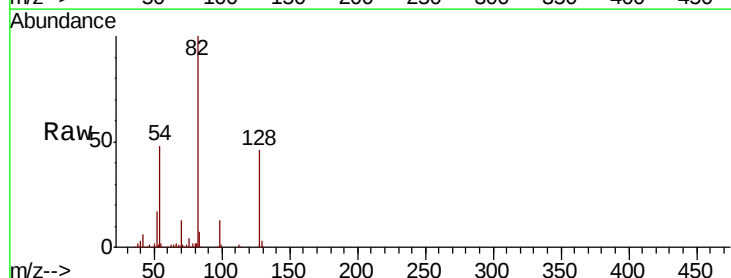
Ion Ratio Lower Upper

70 100

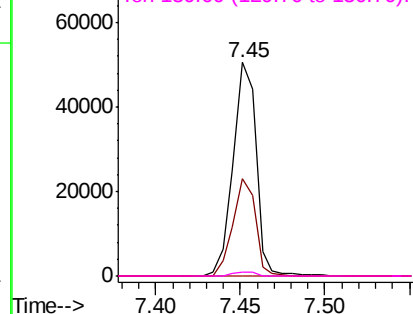
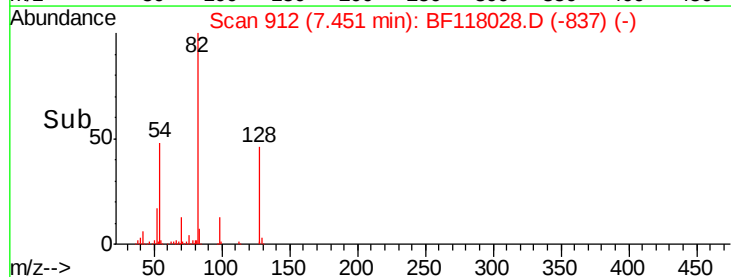
42 45.7 47.4 71.2#

101 0.0 8.4 12.6#

130 2.1 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

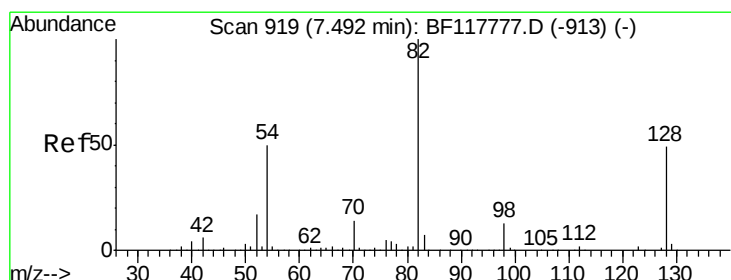
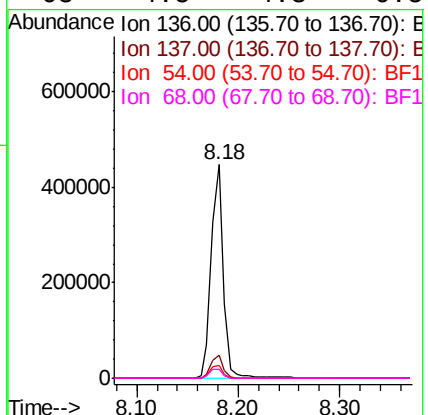
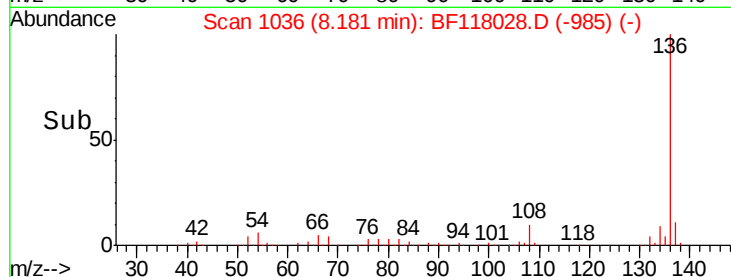
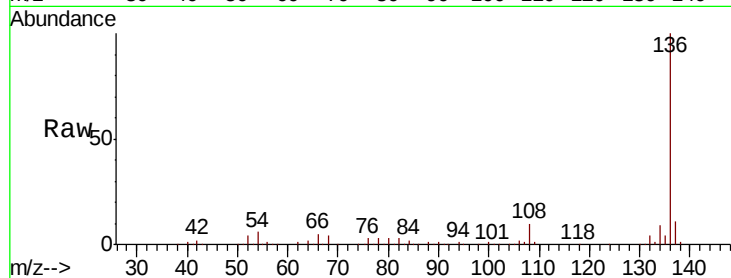




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF118028.D
Acq: 27 Nov 2019 5:01

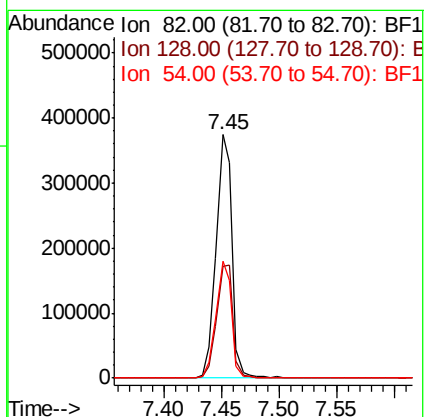
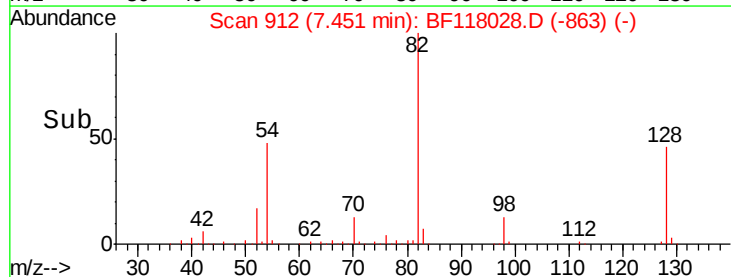
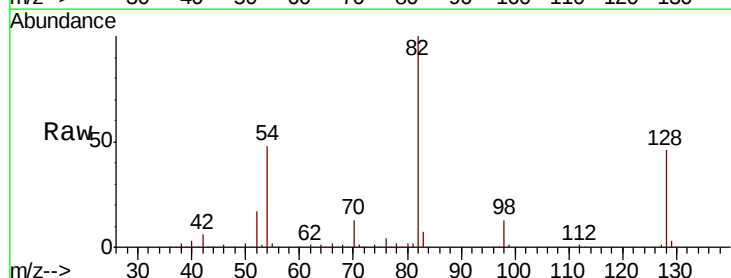
Instrument :
BNA_F
ClientSampleId :

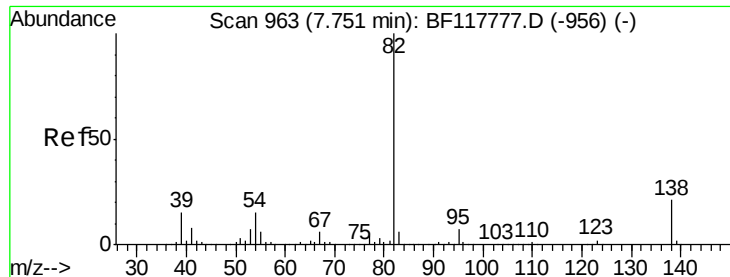
Tot Ion:136	Resp:	376979
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	6.1	5.4 8.2
68	4.5	4.3 6.5



#23
Nitrobenzene-d5
Concen: 56.448 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118028.D
Acq: 27 Nov 2019 5:01

Tgt Ion: 82	Resp:	357965
Ion Ratio	Lower	Upper
82	100	
128	46.0	38.9 58.3
54	47.9	39.8 59.6





#25

Isophorone

Concen: 30.798 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

Instrument :

BNA_F

ClientSampleId :

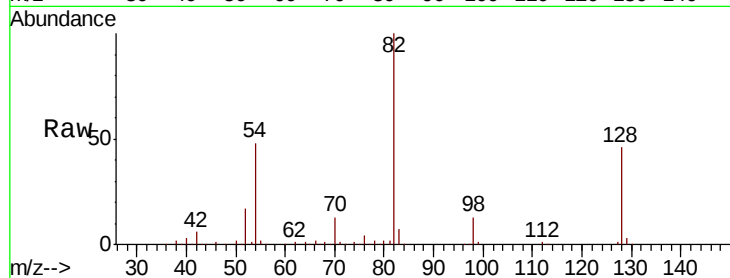
Tot Ion: 82 Resp: 357963

Ion Ratio Lower Upper

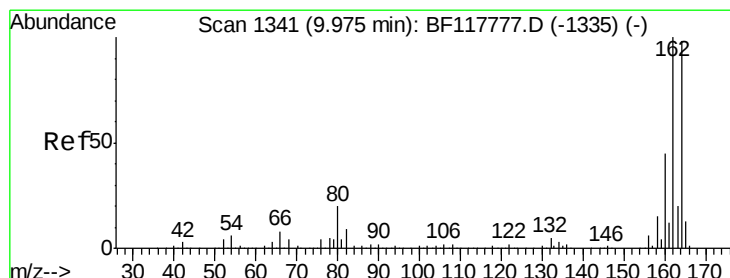
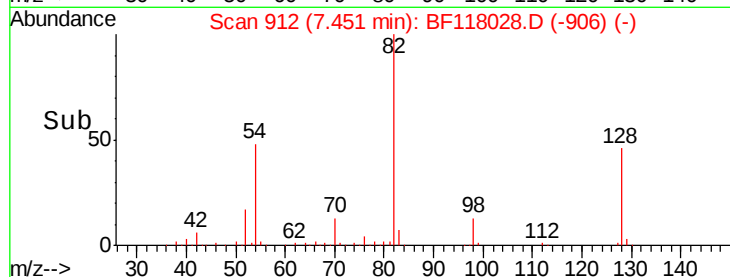
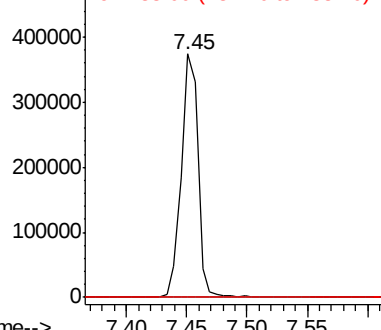
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

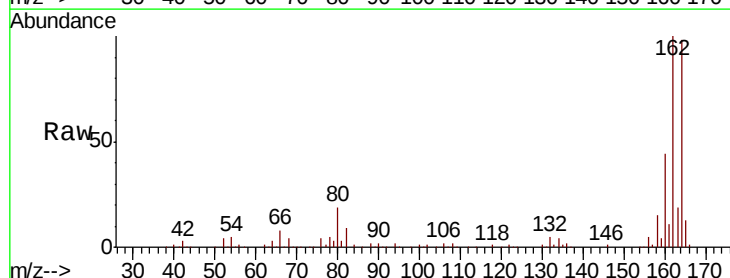
Tgt Ion: 164 Resp: 162134

Ion Ratio Lower Upper

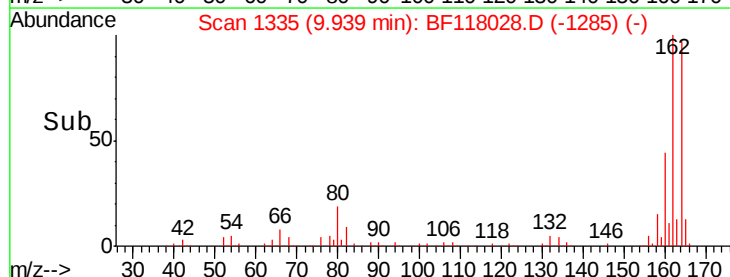
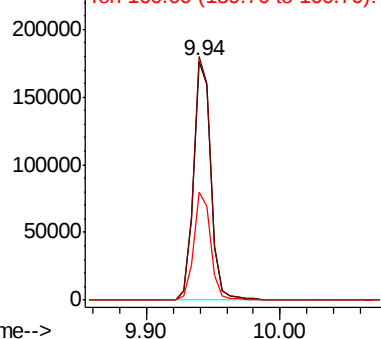
164 100

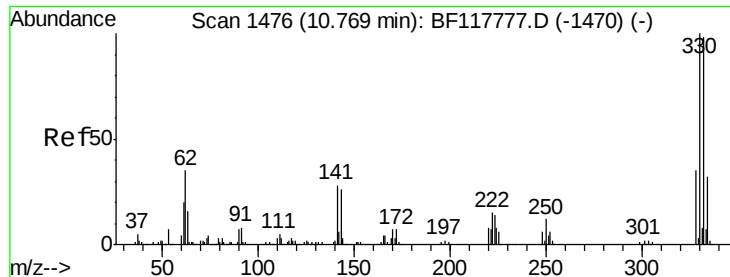
162 102.0 81.3 121.9

160 45.2 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: 24.288 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

Instrument :

BNA_F

ClientSampleId :

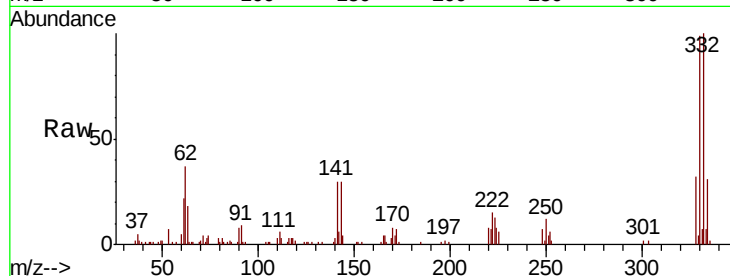
Tot Ion:330 Resp: 41690

Ion Ratio Lower Upper

330 100

332 97.5 76.7 115.1

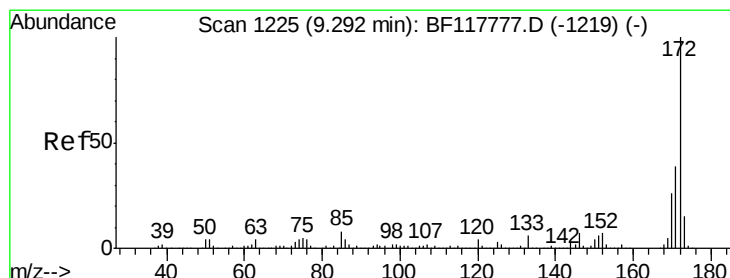
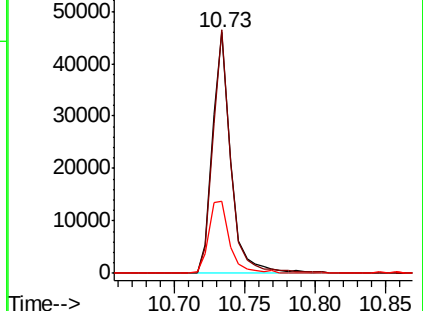
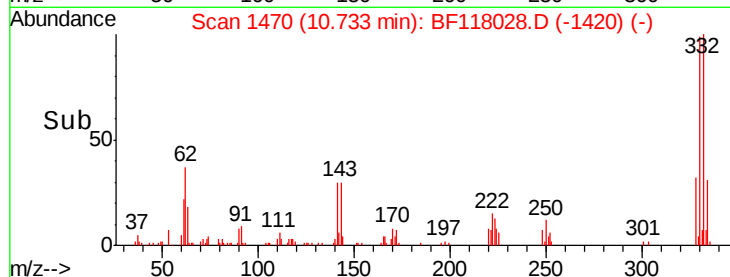
141 34.4 27.7 41.5



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: 75.675 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

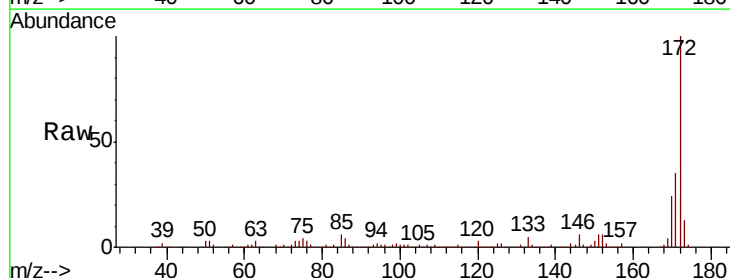
Tgt Ion:172 Resp: 683905

Ion Ratio Lower Upper

172 100

171 35.5 30.9 46.3

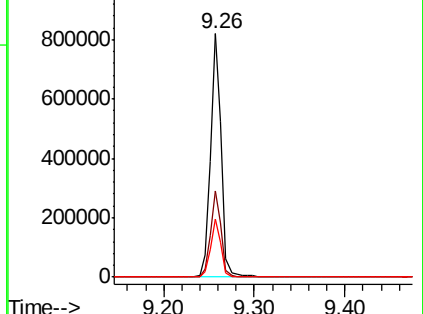
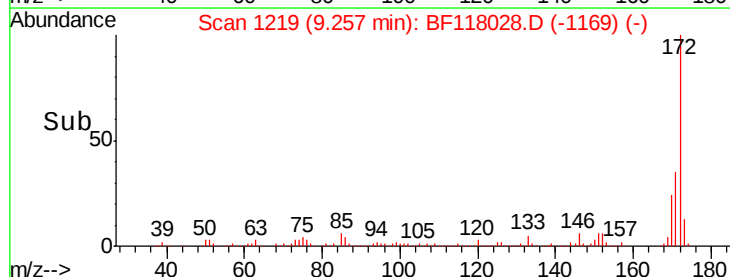
170 24.1 21.0 31.4

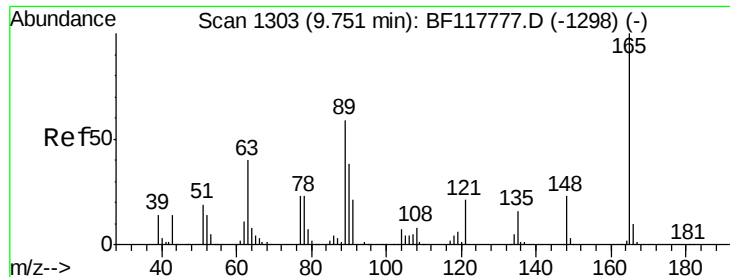


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

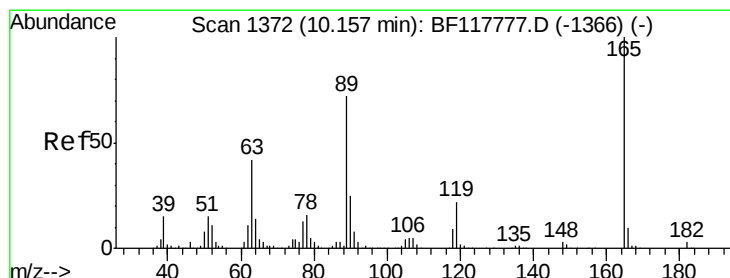
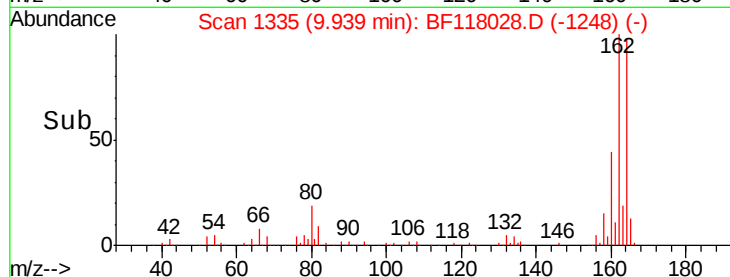
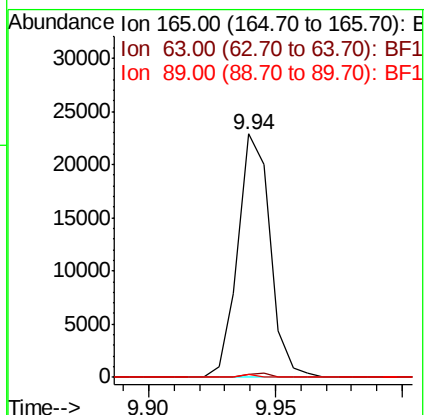
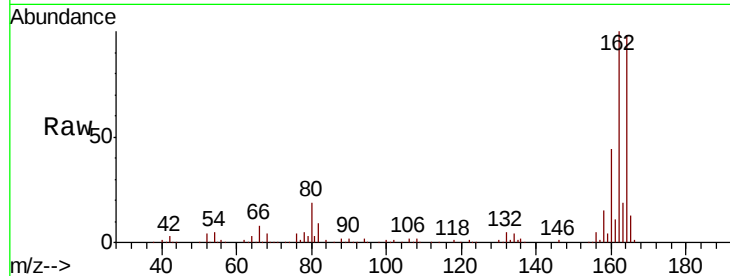




#51
 2,6-Dinitrotoluene
 Concen: 8.175 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.21 min
 Lab File: BF118028.D
 Acq: 27 Nov 2019 5:01

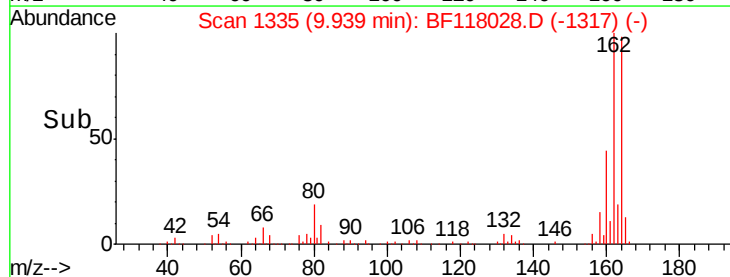
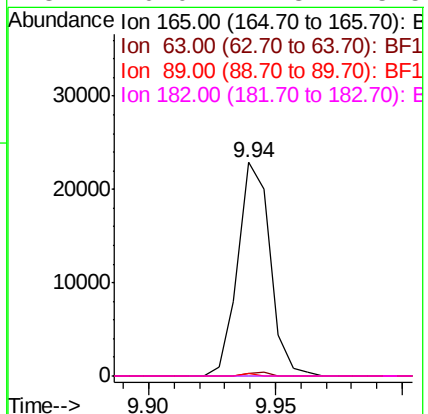
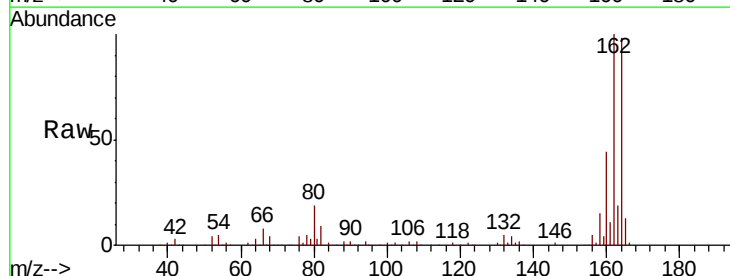
Instrument :
 BNA_F
 ClientSampleId :

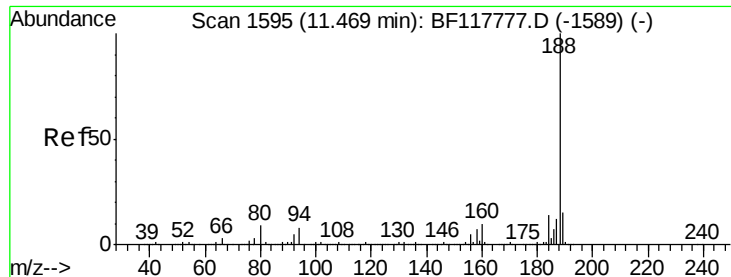
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	46.0	69.0#
89	1.4	47.7	71.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.426 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF118028.D
 Acq: 27 Nov 2019 5:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.7	50.5#
89	1.4	57.3	85.9#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

Instrument :

BNA_F

ClientSampleId :

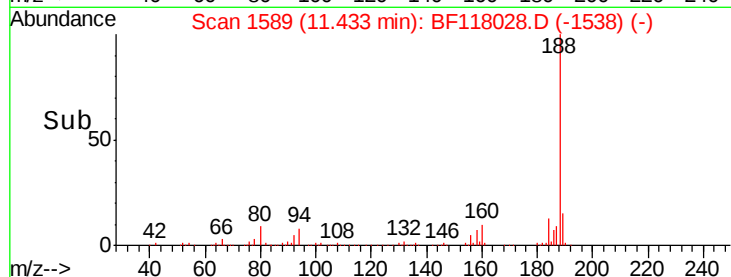
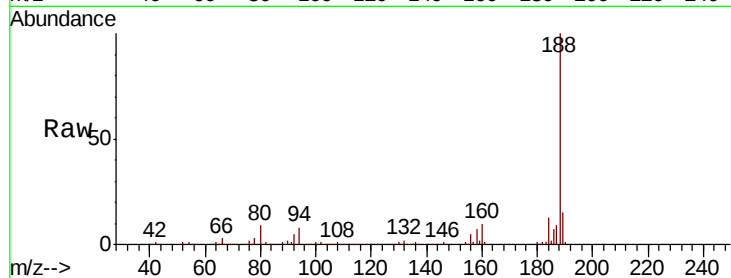
Tot Ion:188 Resp: 257084

Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

80 8.9 7.2 10.8



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

400000

300000

200000

100000

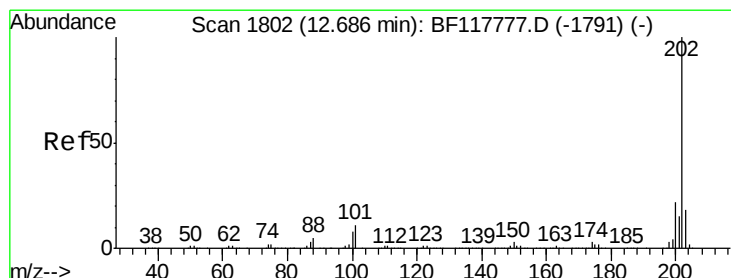
0

11.43

11.40

11.45

Time-->



#75

Fluoranthene

Concen: Below Cal

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF118028.D

Acq: 27 Nov 2019 5:01

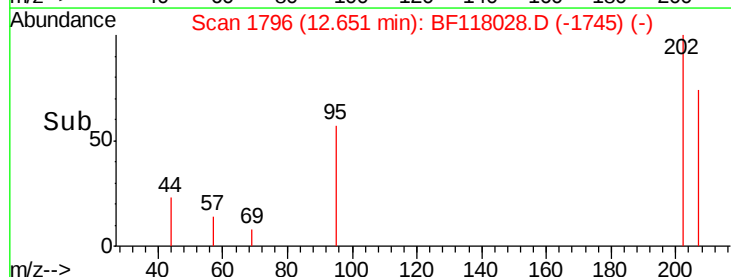
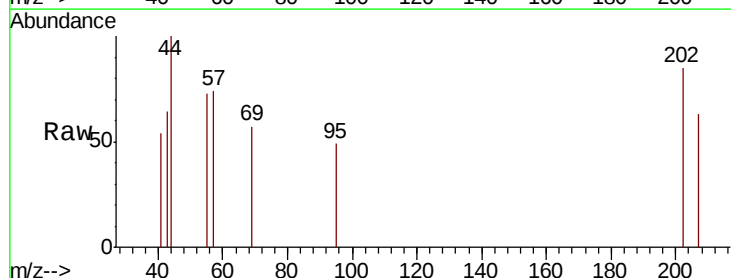
Tgt Ion:202 Resp: 589

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

800

600

400

200

0

12.65

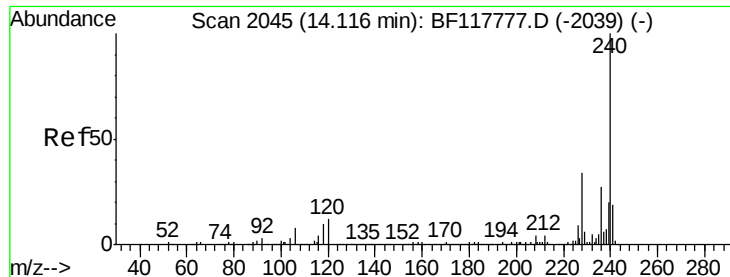
12.62

12.64

12.66

12.68

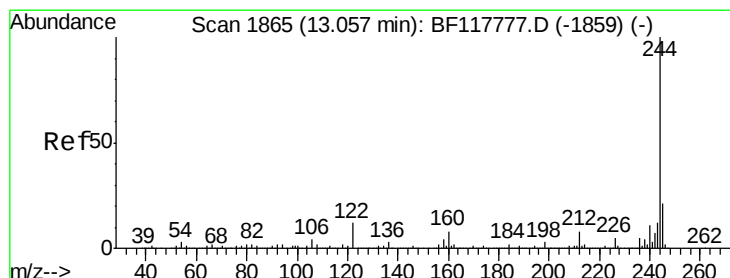
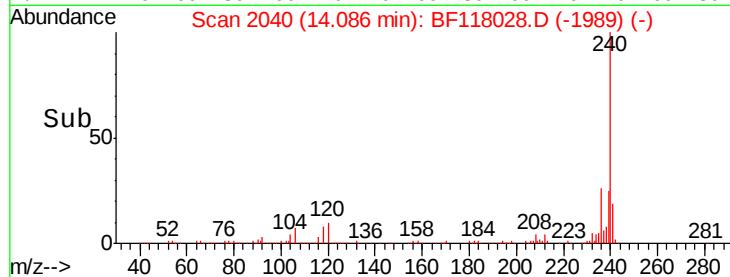
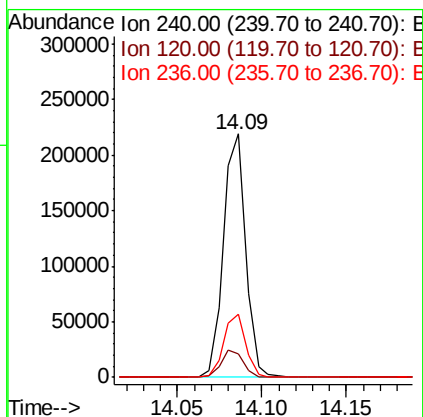
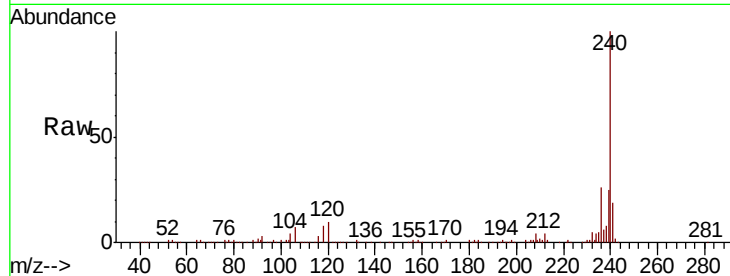
Time-->



#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BF118028.D
 Acq: 27 Nov 2019 5:01

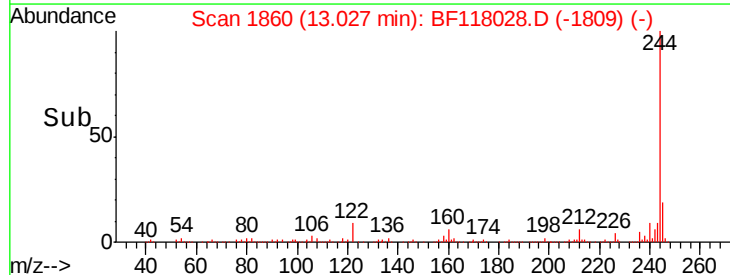
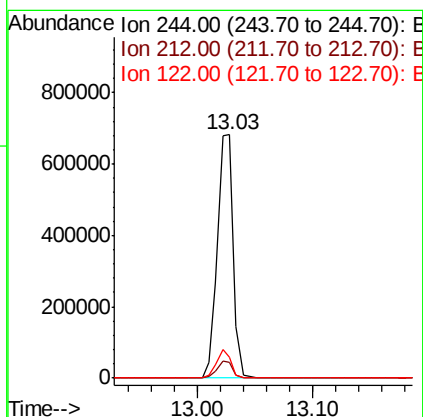
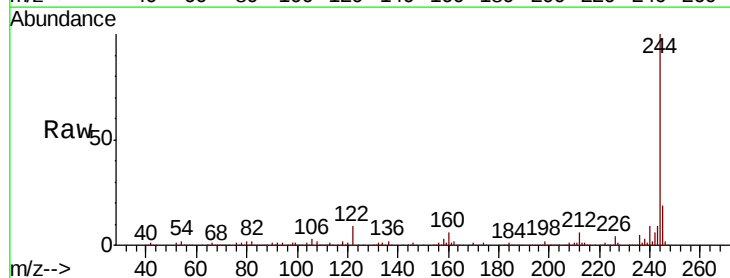
Instrument :
 BNA_F
 ClientSampleId :

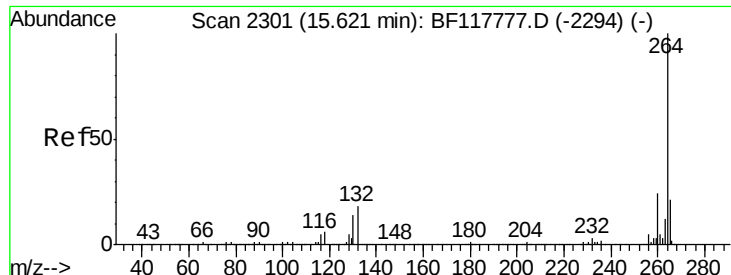
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	25.9	21.3	31.9



#79
 Terphenyl-d14
 Concen: 58.972 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BF118028.D
 Acq: 27 Nov 2019 5:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.3	9.5
122	8.8	9.4	14.2#

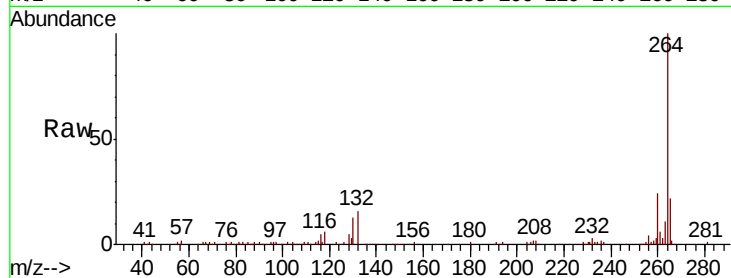




#87
Pervlone-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF118028.D
Acq: 27 Nov 2019 5:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	163281
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.2	17.1	25.7



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

