

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116960.D
 Acq On : 11 Sep 2019 21:34
 Operator : HP/JU
 Sample : K4738-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:06:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

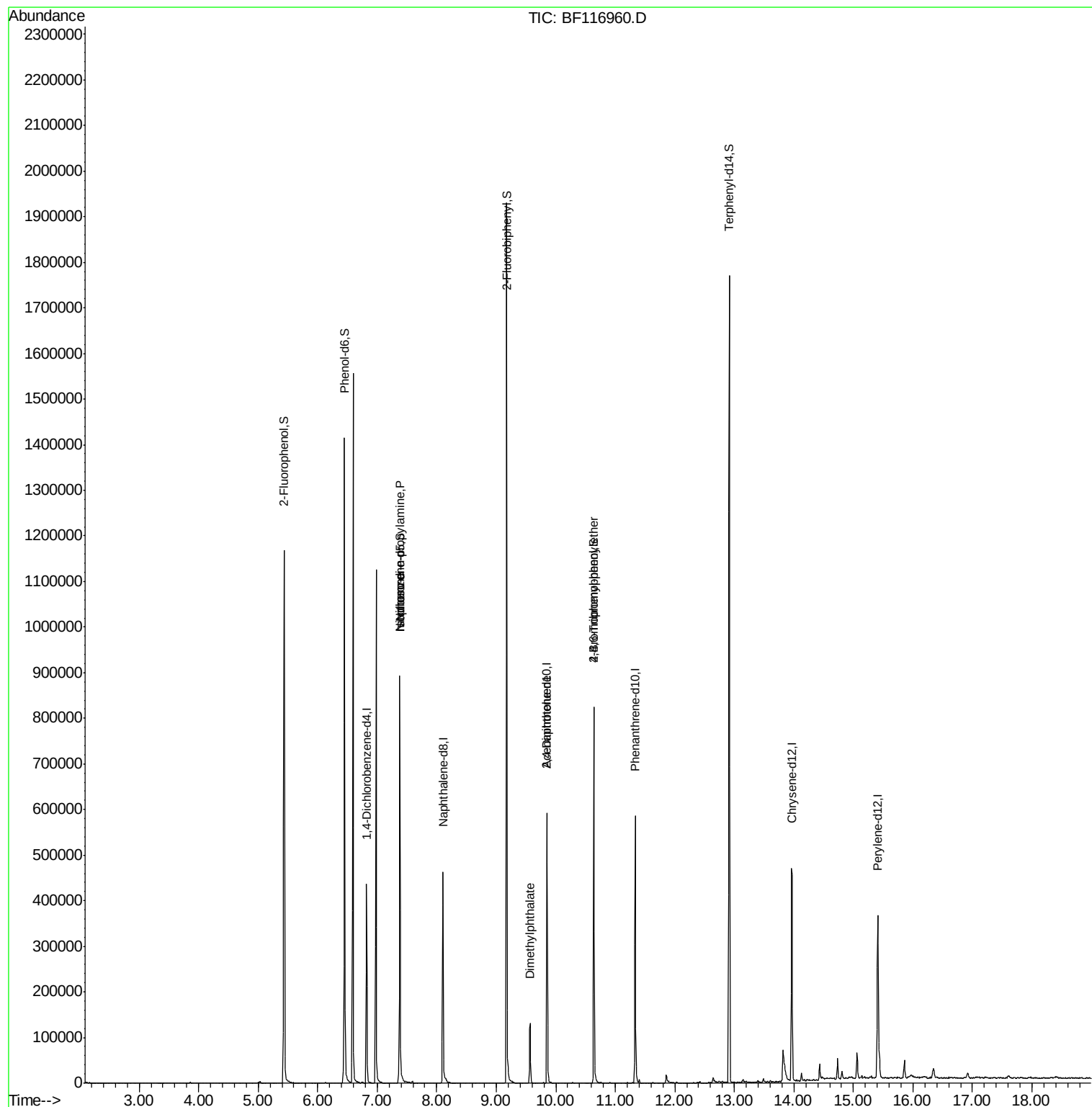
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	61686	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	245371	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	124522	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	218538	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	166457	20.00	ng	-0.02
87) Perylene-d12	15.41	264	162606	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	368358	96.74	ng	-0.01
7) Phenol-d6	6.45	99	504138	100.83	ng	-0.02
23) Nitrobenzene-d5	7.38	82	312104	72.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	91067	109.40	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	536096	72.62	ng	-0.02
79) Terphenyl-d14	12.92	244	528973	58.79	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	39862	12.108	ng	# 72
25) Isophorone	7.38	82	312102	35.834	ng	# 66
50) Dimethylphthalate	9.57	163	59359	6.905	ng	98
57) 2,4-Dinitrotoluene	9.85	165	16542	8.248	ng	# 19
67) 4-Bromophenyl-phenylether	10.64	248	5853	2.636	ng	# 1

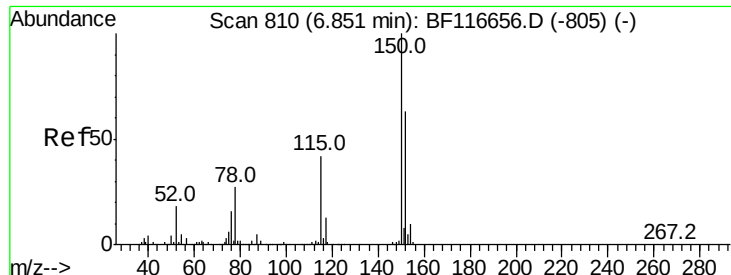
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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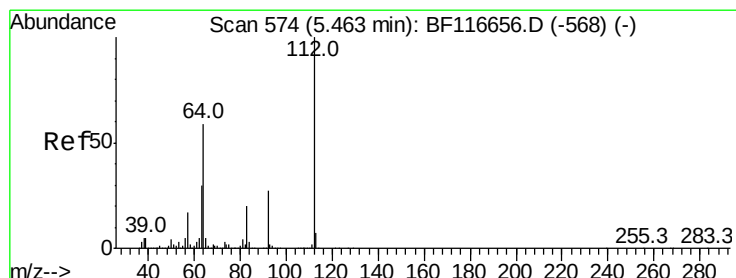
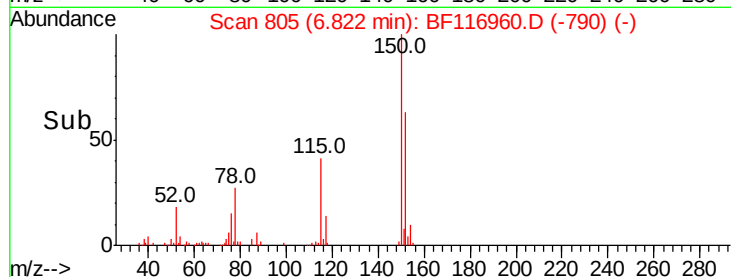
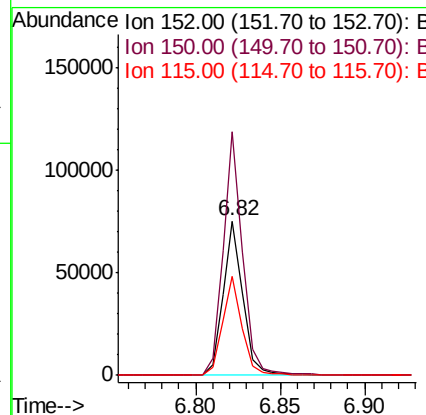
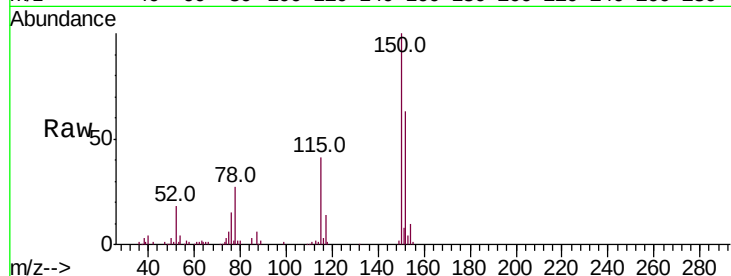


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116960.D
Acq: 11 Sep 2019 21:34

Instrument :
BNA_F
ClientSampleId :

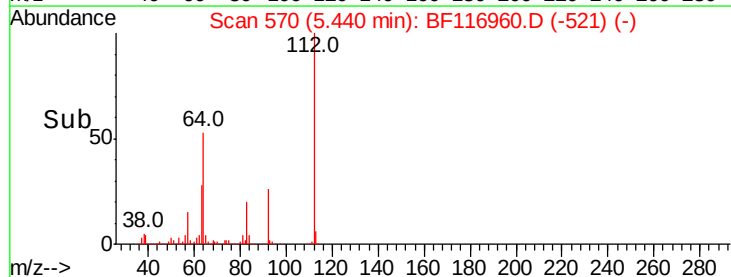
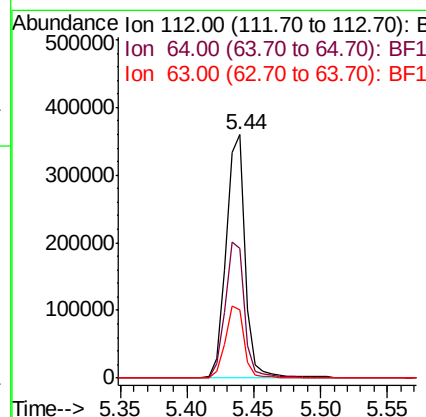
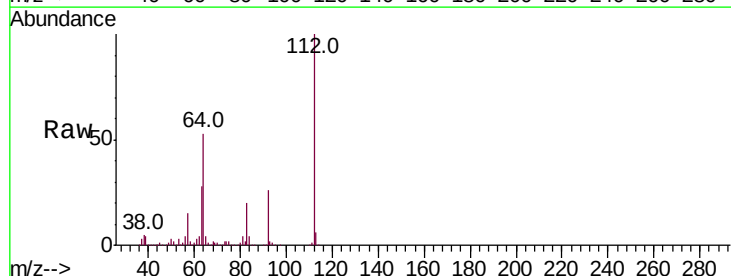
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.4	186.6
115	64.4	49.9	74.9

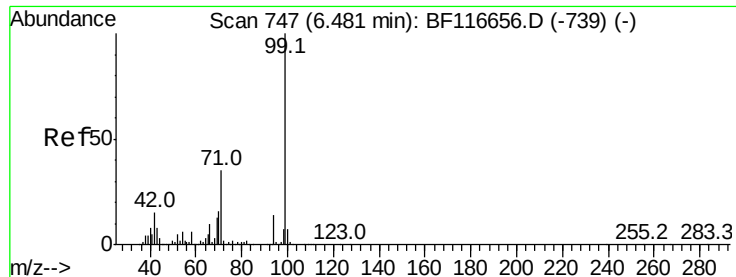


#5

2-Fluorophenol
Concen: 96.742 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116960.D
Acq: 11 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.1	70.7
63	28.3	24.9	37.3





#7

Phenol-d6

Concen: 100.830 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

Instrument :

BNA_F

ClientSampleId :

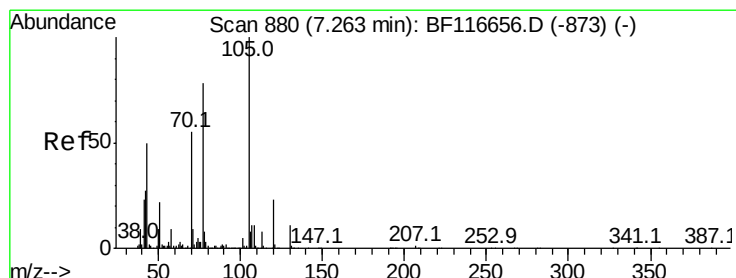
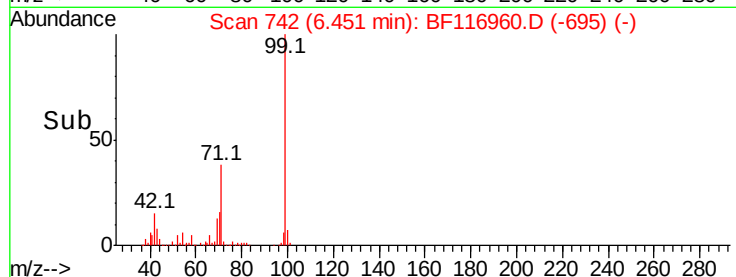
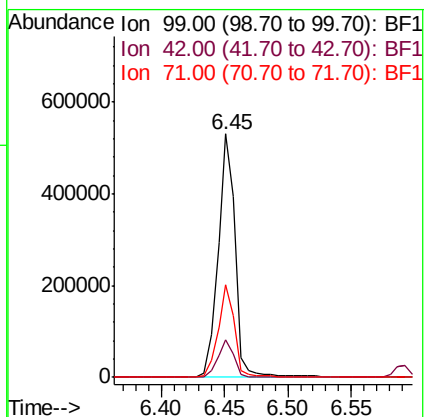
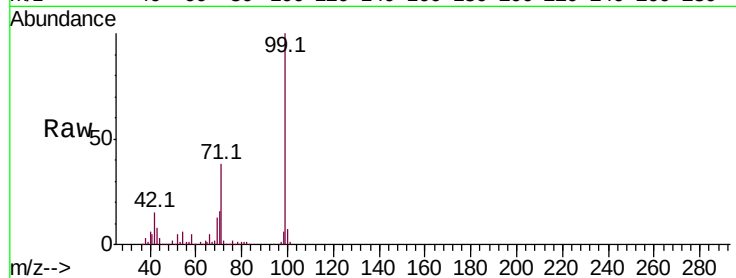
Tot Ion: 99 Resp: 504138

Ion Ratio Lower Upper

99 100

42 15.5 13.7 20.5

71 38.0 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.108 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

Tgt Ion: 70 Resp: 39862

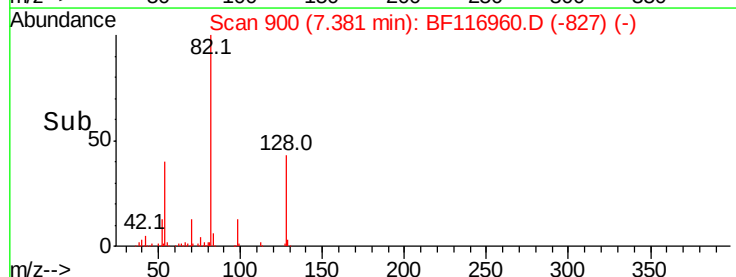
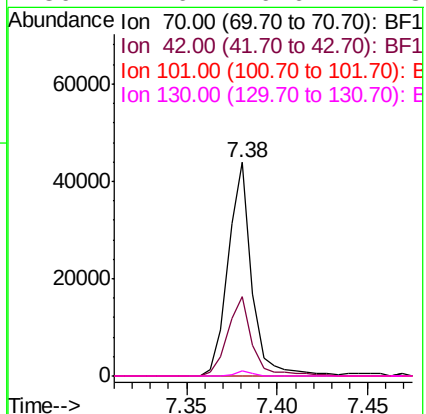
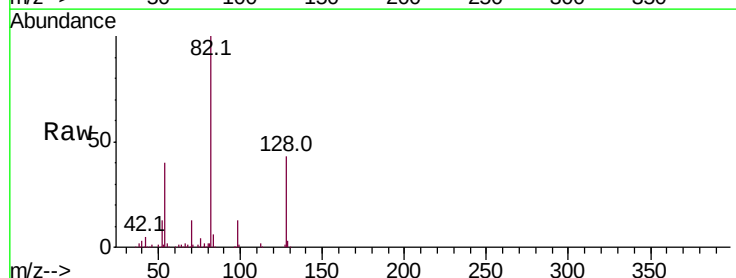
Ion Ratio Lower Upper

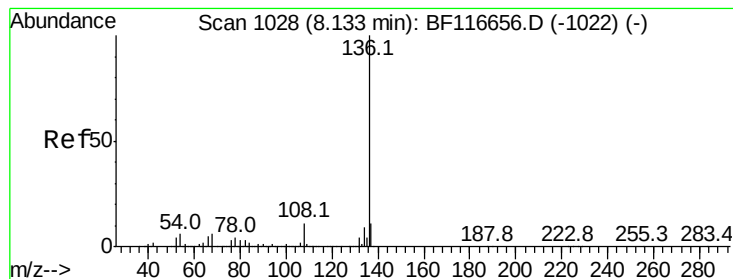
70 100

42 36.9 43.5 65.3#

101 0.0 7.8 11.6#

130 2.6 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 245371

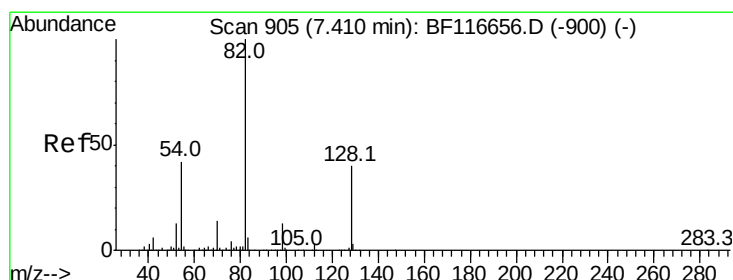
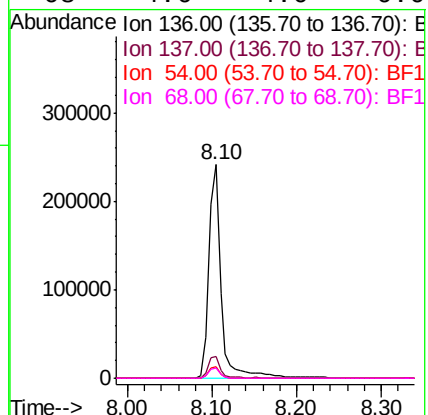
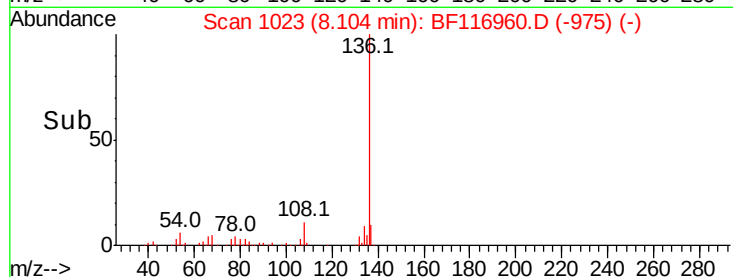
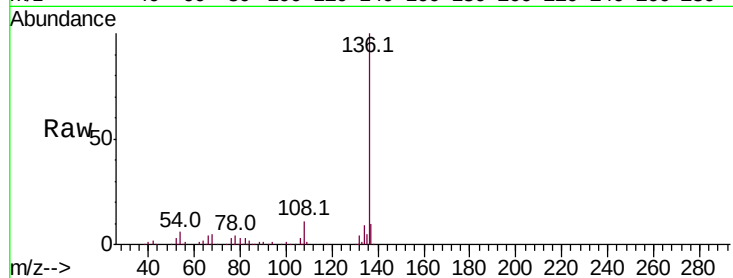
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 5.6 4.8 7.2

68 4.6 4.0 6.0



#23

Nitrobenzene-d5

Concen: 72.613 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

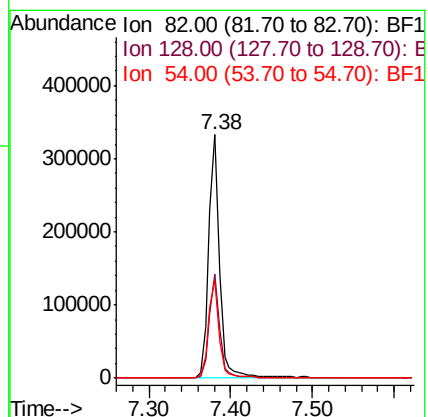
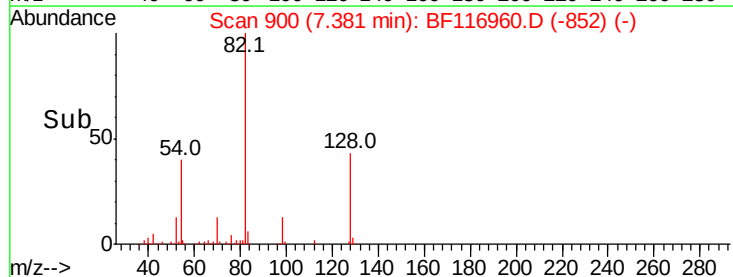
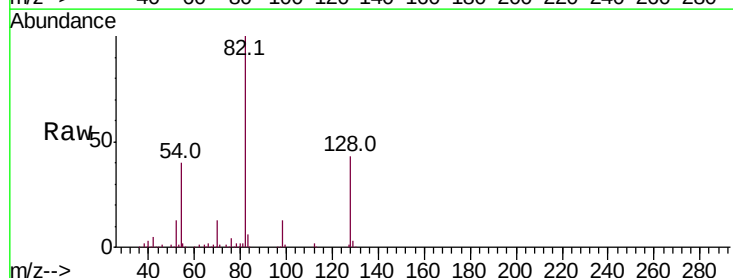
Tgt Ion: 82 Resp: 312104

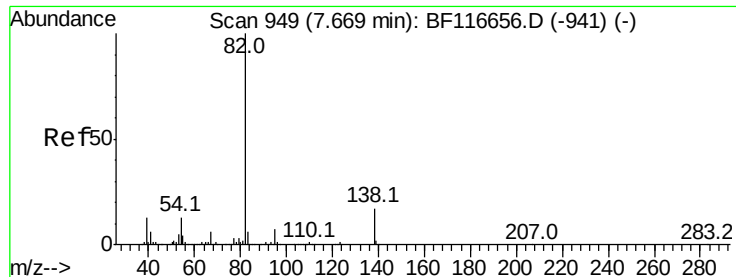
Ion Ratio Lower Upper

82 100

128 42.8 32.8 49.2

54 40.1 36.9 55.3





#25

Isophorone

Concen: 35.834 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

Instrument :

BNA_F

ClientSampleId :

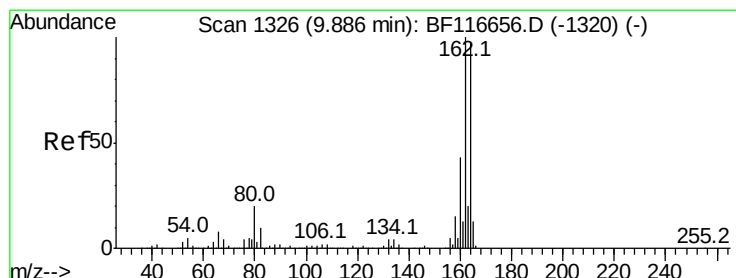
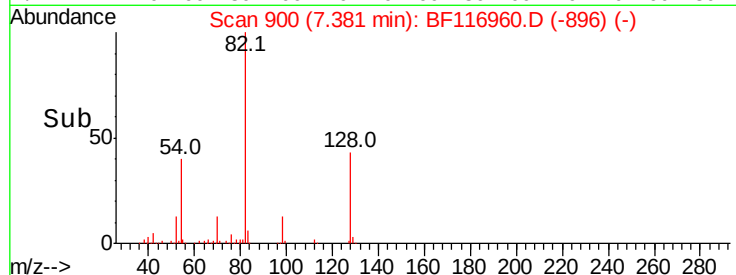
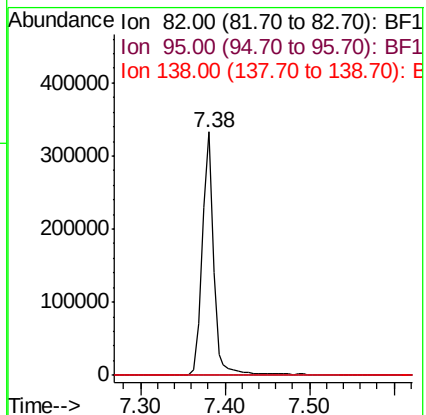
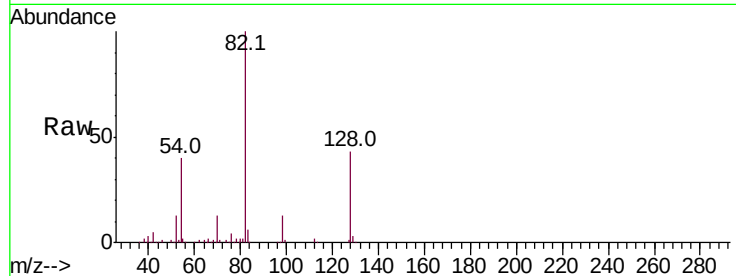
Tot Ion: 82 Resp: 312102

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

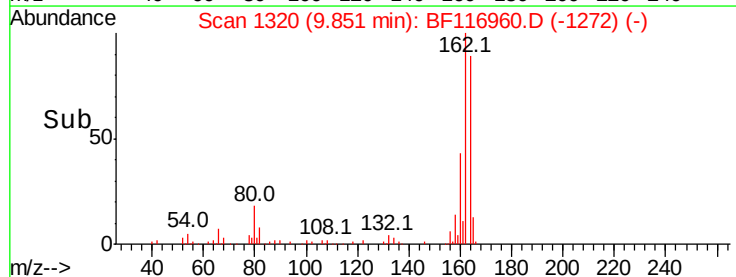
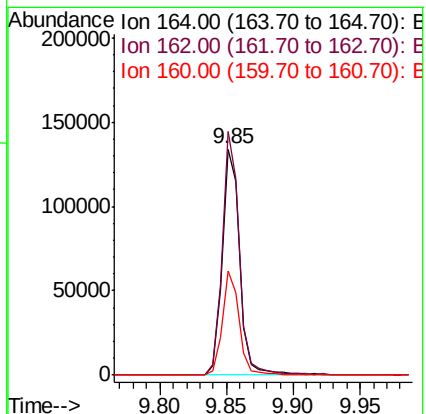
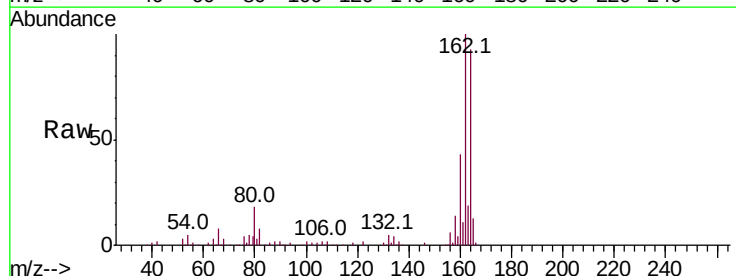
Tgt Ion: 164 Resp: 124522

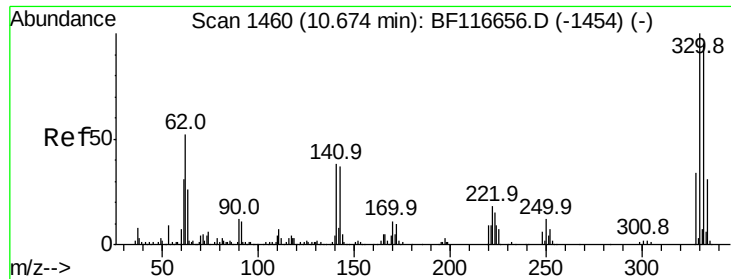
Ion Ratio Lower Upper

164 100

162 107.7 81.4 122.0

160 46.0 35.4 53.2

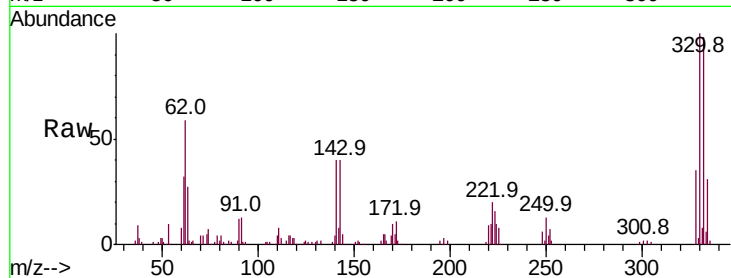




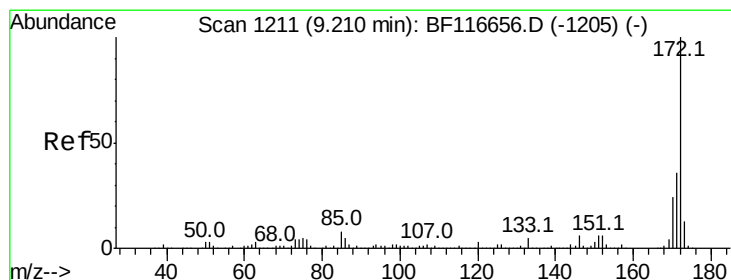
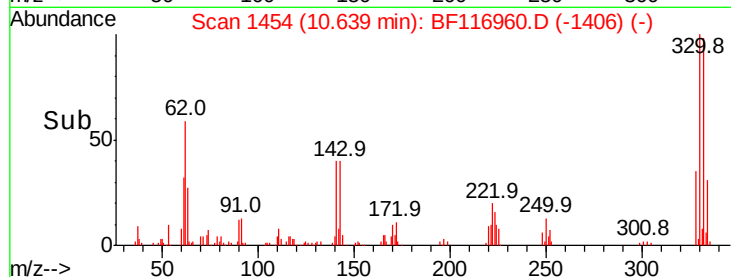
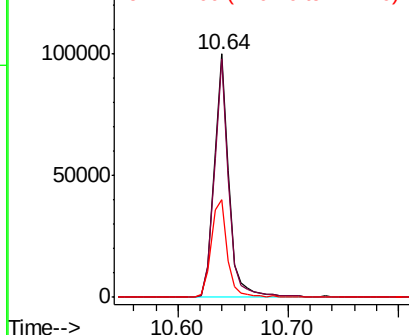
#42
 2,4,6-Tribromophenol
 Concen: 109.396 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116960.D
 Acq: 11 Sep 2019 21:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	43.9	31.4	47.2

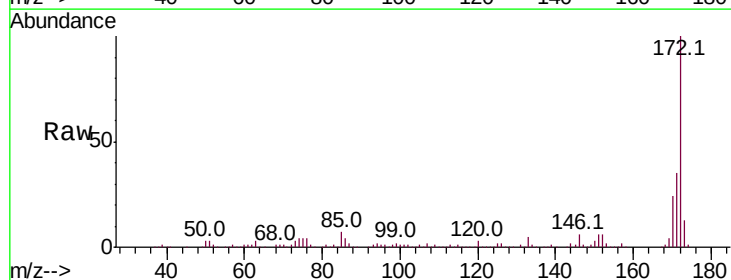


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

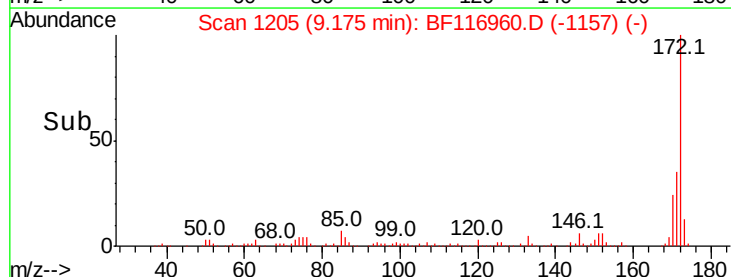
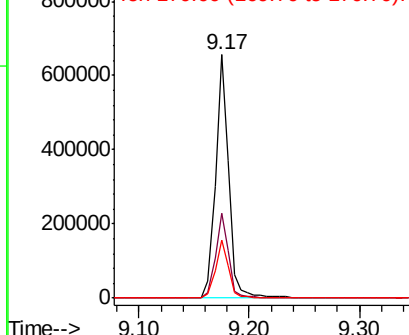


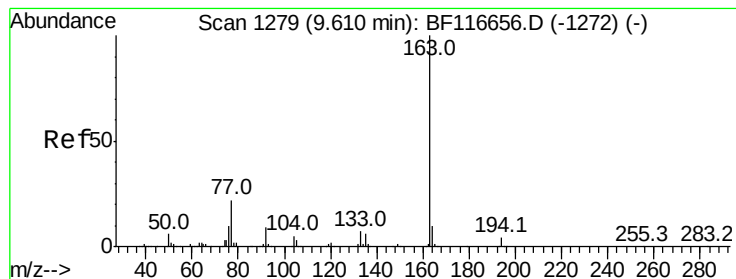
#45
 2-Fluorobiphenyl
 Concen: 72.625 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116960.D
 Acq: 11 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.7	18.9	28.3



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: 6.905 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

Instrument :

BNA_F

ClientSampleId :

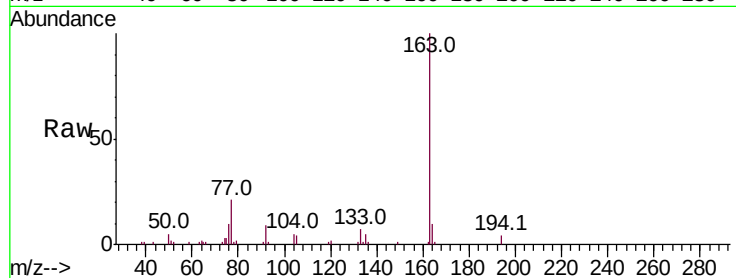
Tot Ion:163 Resp: 59359

Ion Ratio Lower Upper

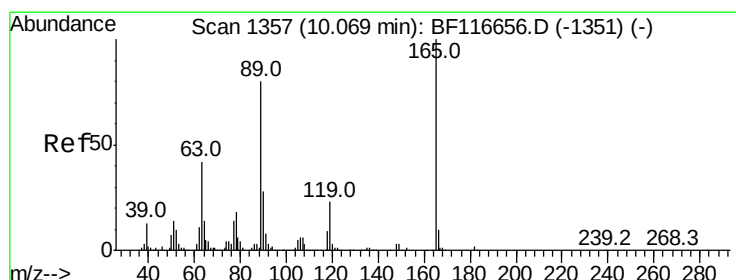
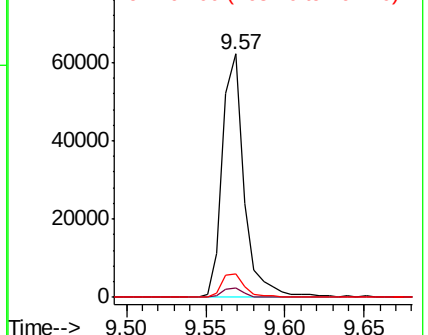
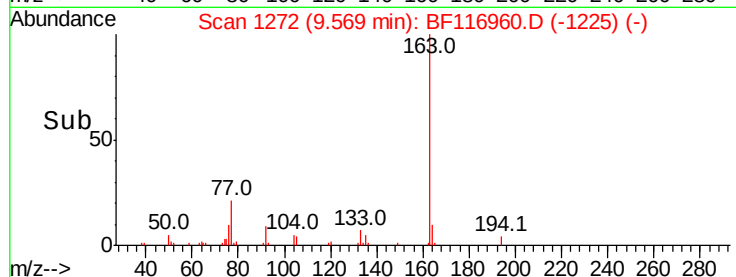
163 100

194 3.9 2.8 4.2

164 9.9 8.6 12.8



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: 8.248 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF116960.D

Acq: 11 Sep 2019 21:34

Tgt Ion:165 Resp: 16542

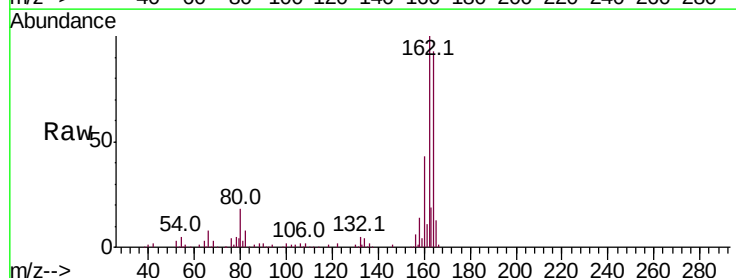
Ion Ratio Lower Upper

165 100

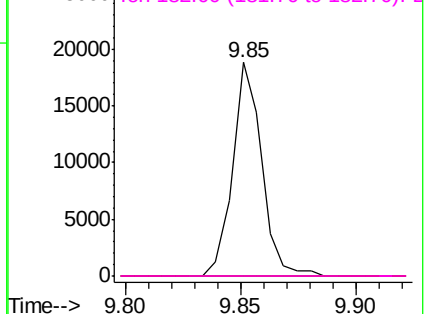
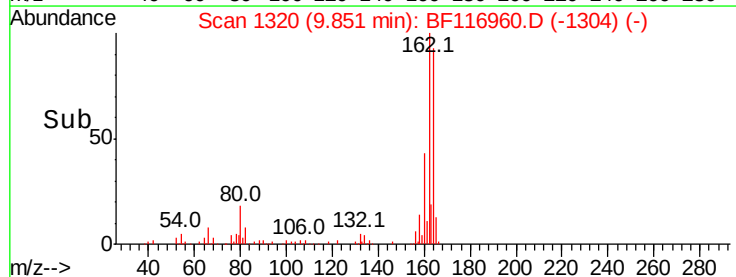
63 0.0 36.4 54.6#

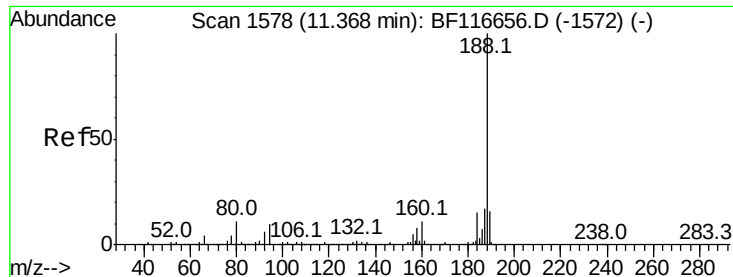
89 0.0 62.6 94.0#

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

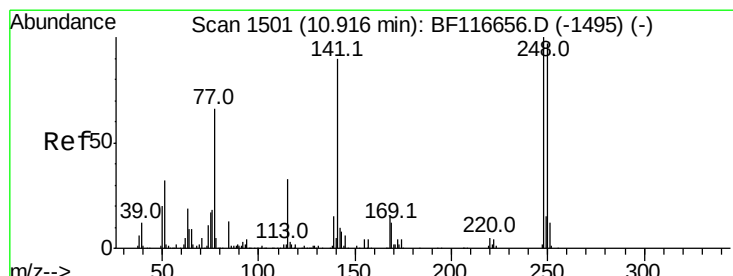
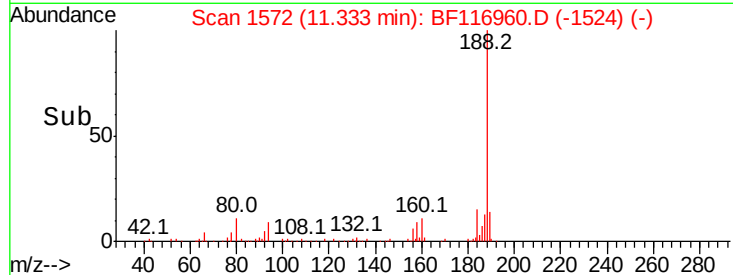
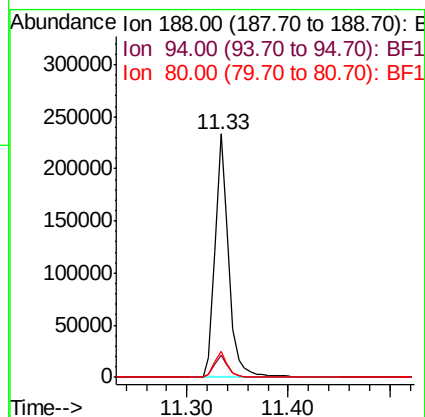
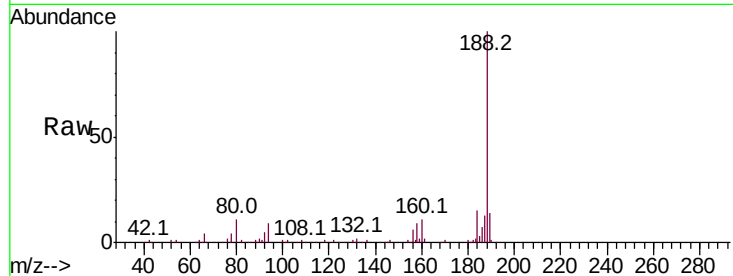




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF116960.D
 Acq: 11 Sep 2019 21:34

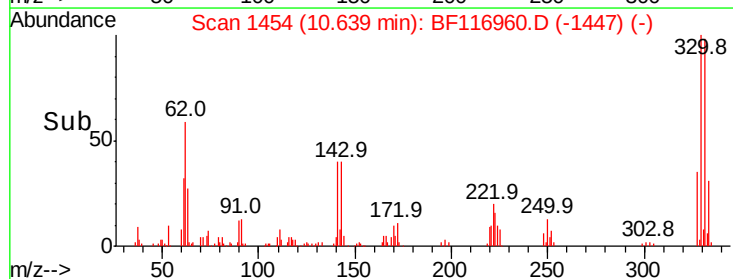
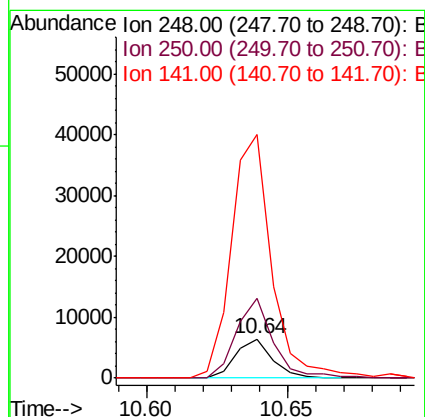
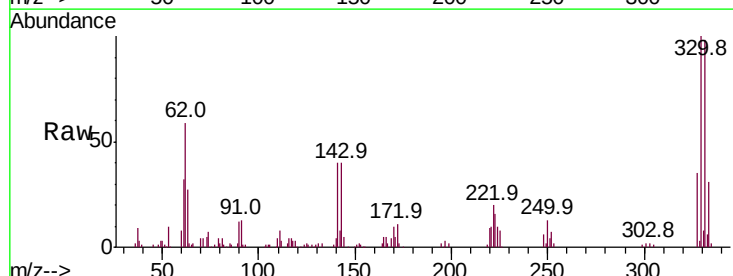
Instrument :
 BNA_F
 ClientSampleId :

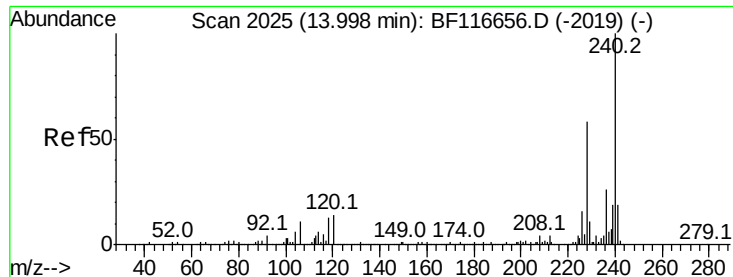
Tot Ion:188 Resp: 218538
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.3 10.9
 80 10.6 8.4 12.6



#67
 4-Bromophenyl-phenylether
 Concen: 2.636 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.26 min
 Lab File: BF116960.D
 Acq: 11 Sep 2019 21:34

Tgt Ion:248 Resp: 5853
 Ion Ratio Lower Upper
 248 100
 250 205.5 77.8 116.8#
 141 627.4 75.9 113.9#

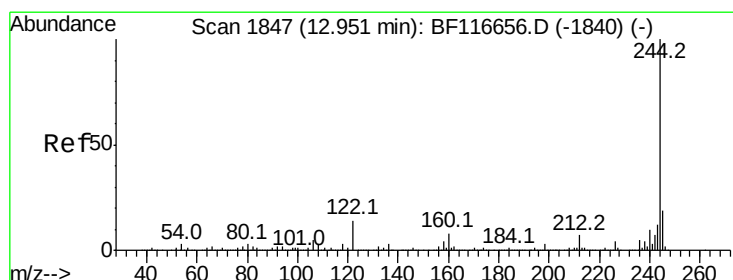
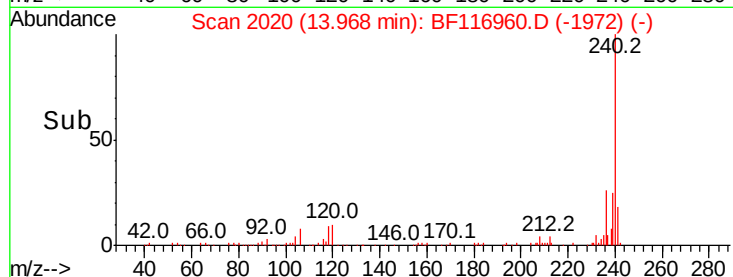
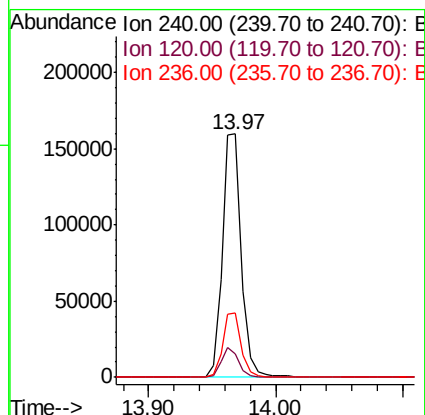
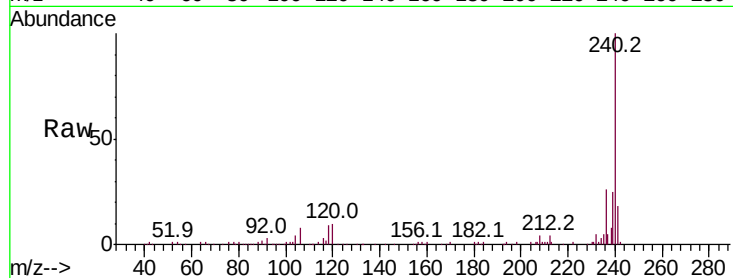




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF116960.D
 Acq: 11 Sep 2019 21:34

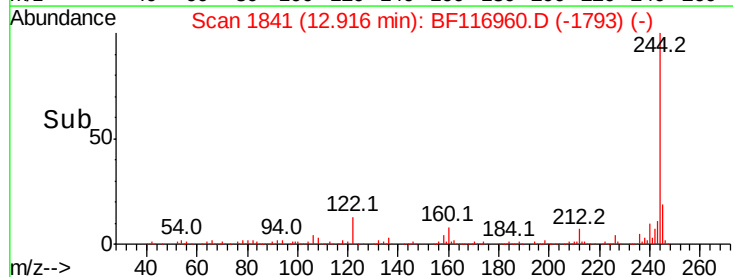
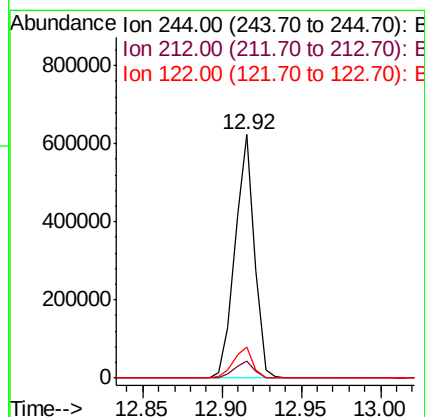
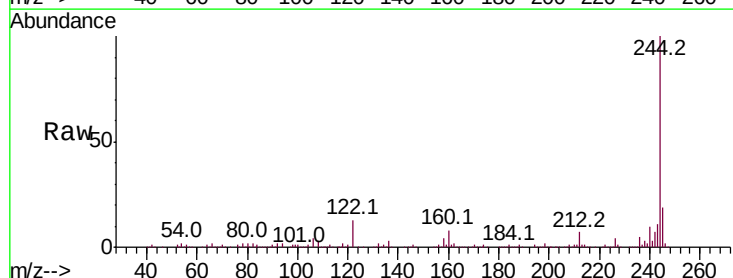
Instrument :
 BNA_F
 ClientSampleId :

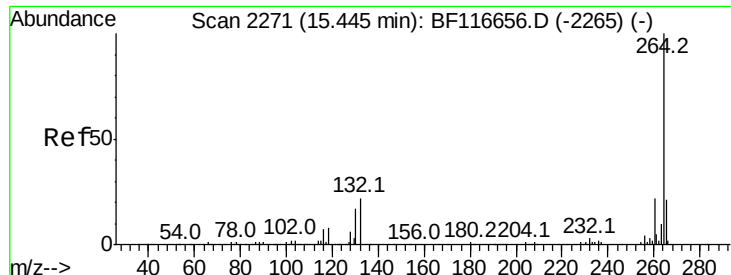
Tot Ion:240 Resp: 166457
 Ion Ratio Lower Upper
 240 100
 120 9.8 9.1 13.7
 236 26.5 21.1 31.7



#79
 Terphenyl-d14
 Concen: 58.788 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116960.D
 Acq: 11 Sep 2019 21:34

Tgt Ion:244 Resp: 528973
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 13.0 10.2 15.4

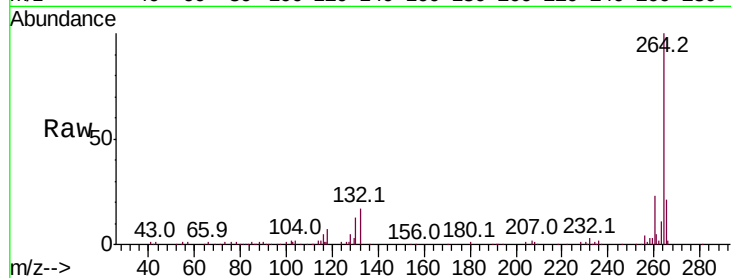




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116960.D
Acq: 11 Sep 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	20.9	16.5	24.7



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

