

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118243.D
 Acq On : 17 Dec 2019 23:08
 Operator : JU
 Sample : K6324-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:06:40 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

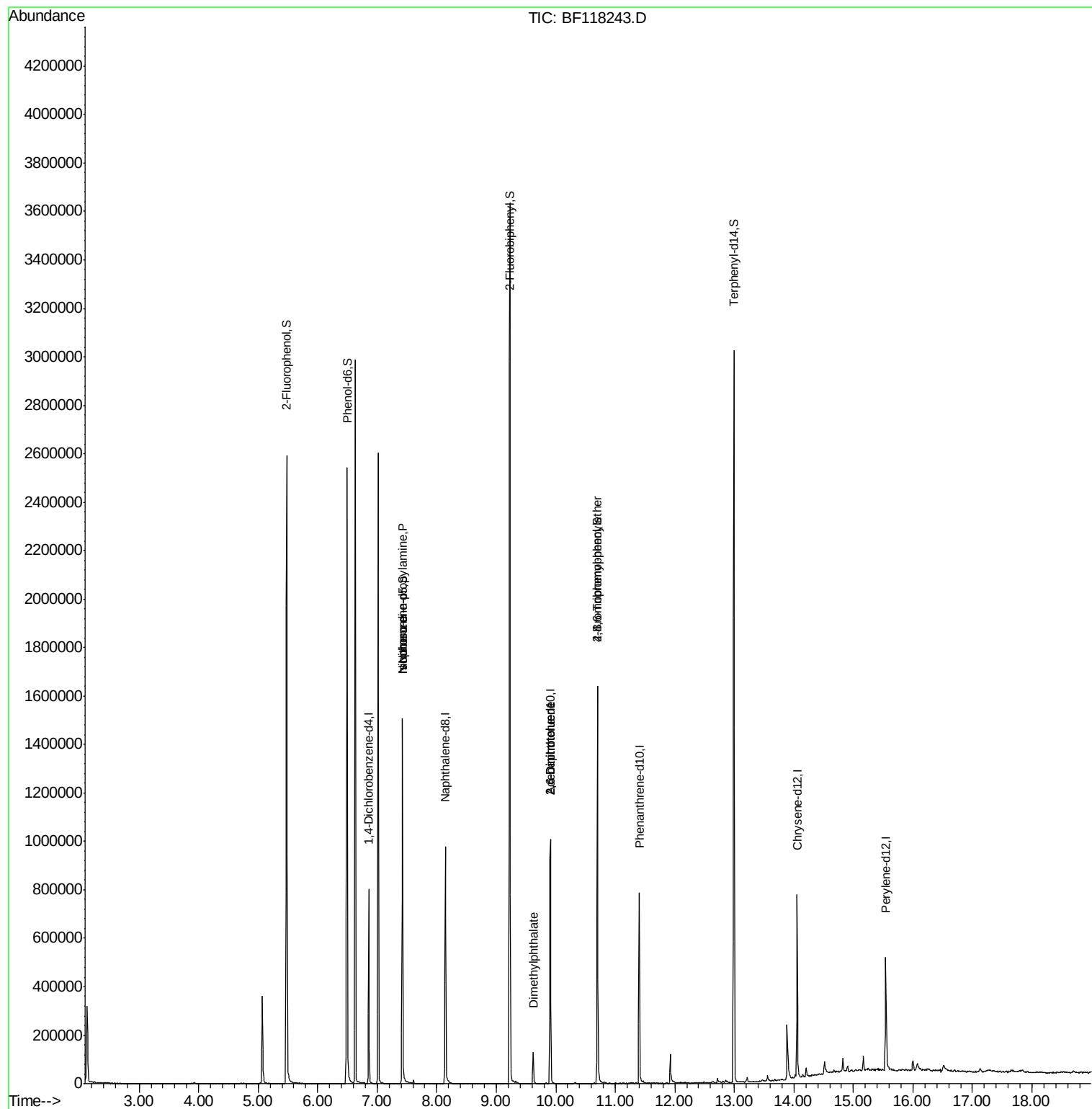
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	119003	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	463731	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	219517	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	345059	20.00	ng	0.00
76) Chrysene-d12	14.06	240	265608	20.00	ng	-0.01
87) Perylene-d12	15.54	264	216283	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	727917	107.13	ng	0.00
7) Phenol-d6	6.49	99	919102	111.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	548258	66.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	229877	86.20	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1088779	75.47	ng	-0.01
79) Terphenyl-d14	12.99	244	975977	63.19	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1619	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	72465	14.511 ng	#	79
25) Isophorone	7.43	82	548253	39.235 ng	#	62
50) Dimethylphthalate	9.62	163	65524	4.041 ng		99
51) 2,6-Dinitrotoluene	9.91	165	28874	8.189 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	28874	6.136 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	14441	3.666 ng	#	1

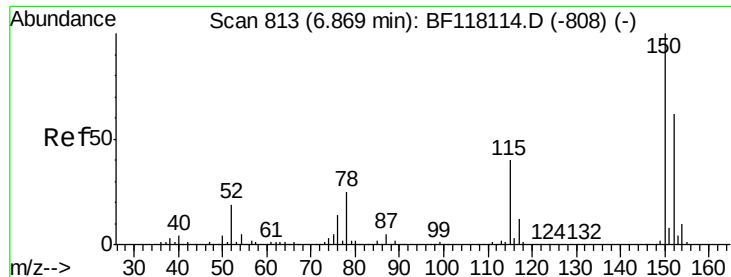
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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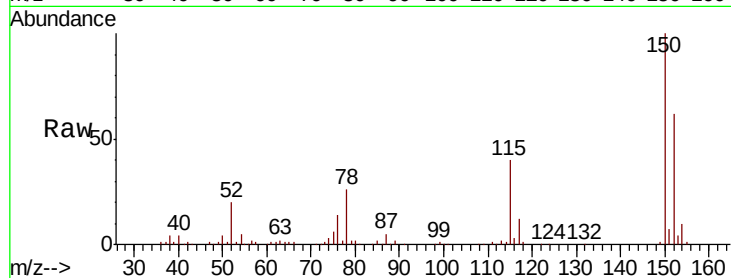


#1

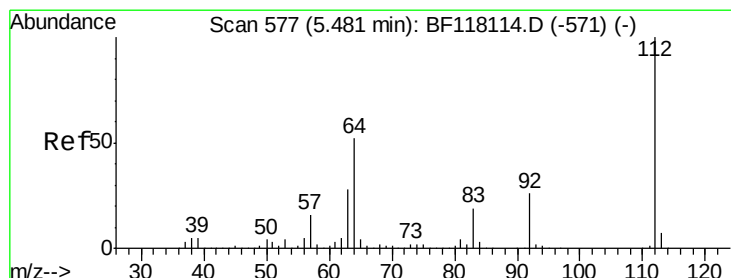
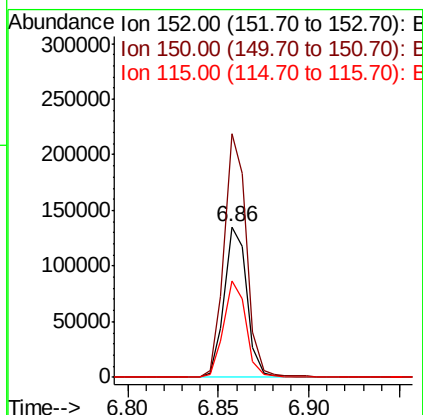
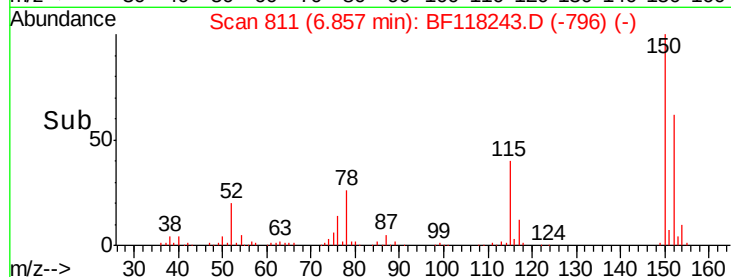
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118243.D
 Acq: 17 Dec 2019 23:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 119003
 Ion Ratio Lower Upper
 152 100
 150 161.6 128.3 192.5
 115 64.0 51.1 76.7



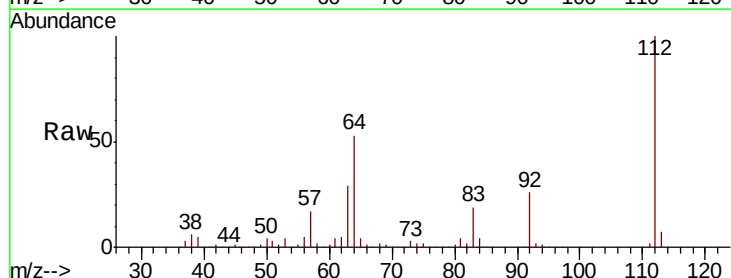
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



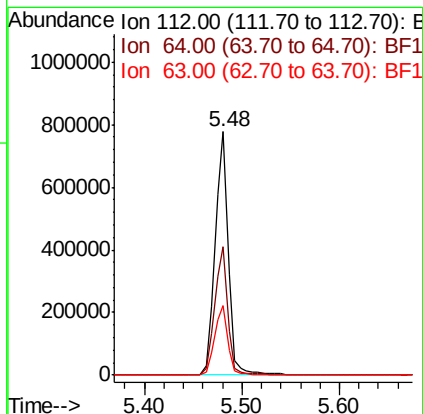
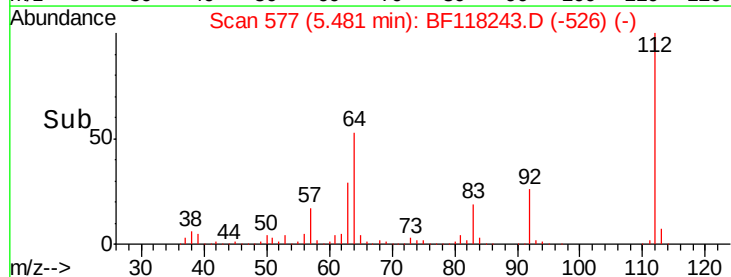
#5

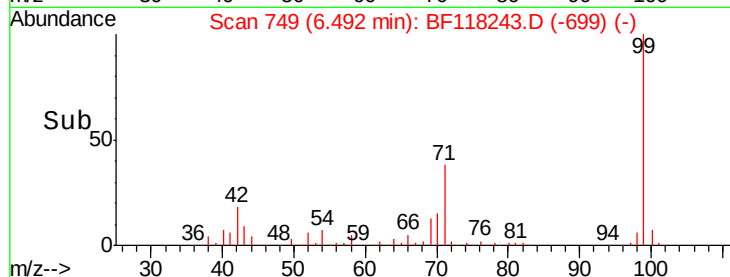
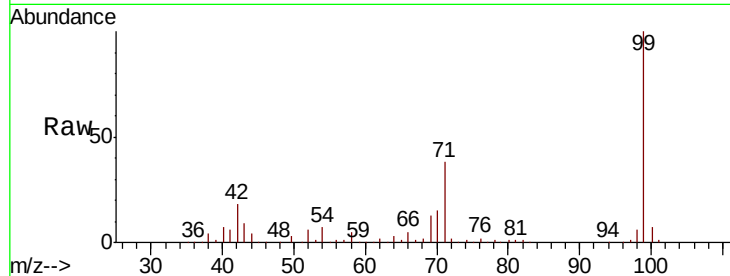
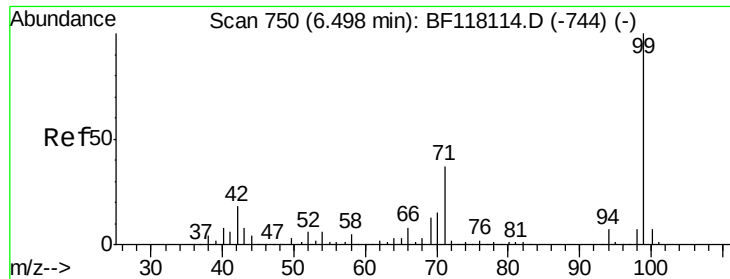
2-Fluorophenol
 Concen: 107.134 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF118243.D
 Acq: 17 Dec 2019 23:08

Tgt Ion:112 Resp: 727917
 Ion Ratio Lower Upper
 112 100
 64 52.5 41.3 61.9
 63 28.8 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: 111.838 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

Instrument :

BNA_F

ClientSampled :

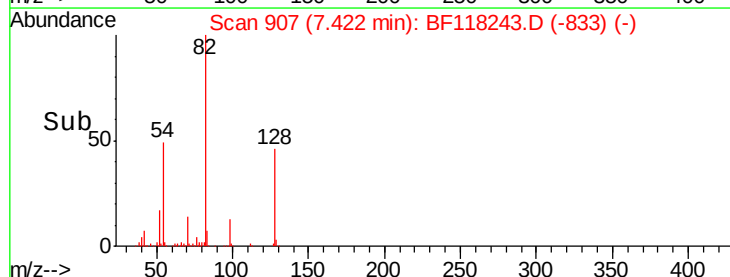
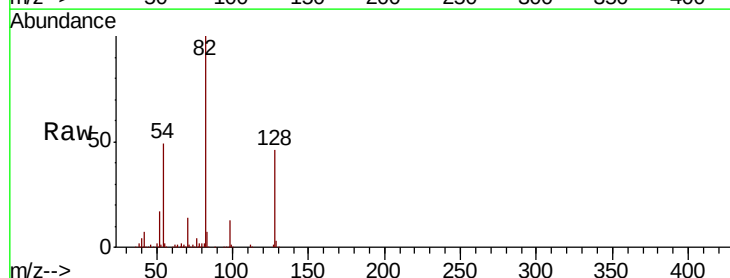
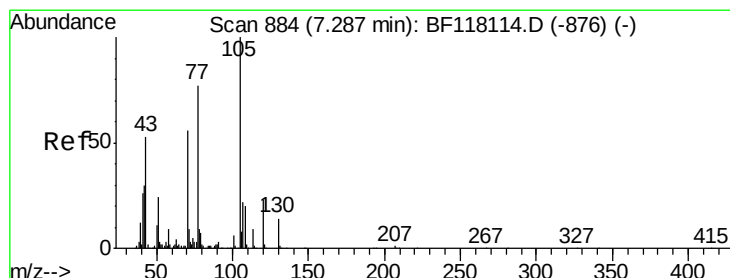
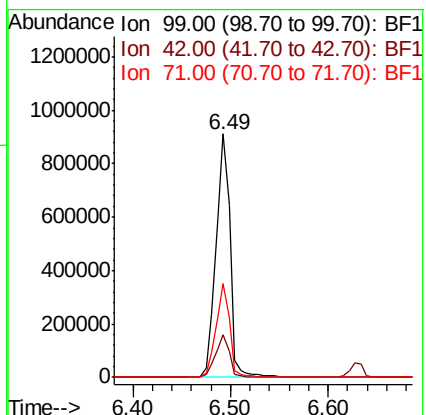
Tot Ion: 99 Resp: 919102

Ion Ratio Lower Upper

99 100

42 17.6 14.1 21.1

71 38.4 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 14.511 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

Tgt Ion: 70 Resp: 72465

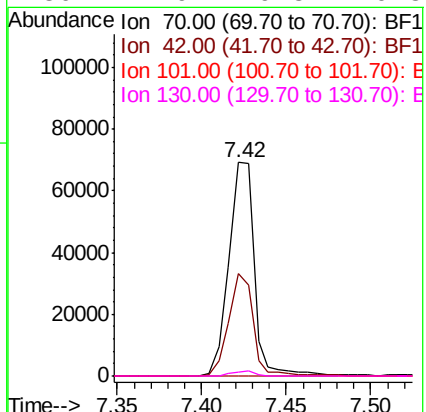
Ion Ratio Lower Upper

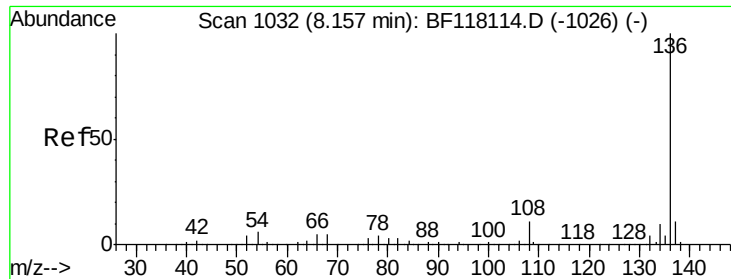
70 100

42 48.1 43.2 64.8

101 0.0 8.1 12.1#

130 1.9 19.8 29.8#

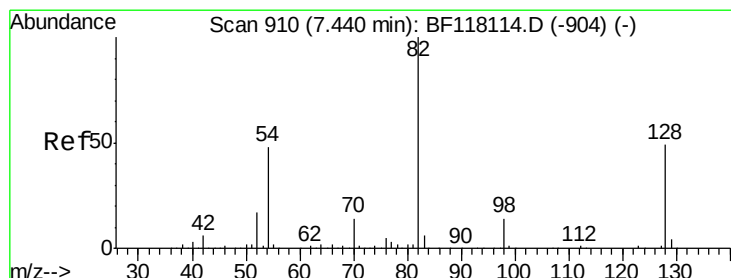
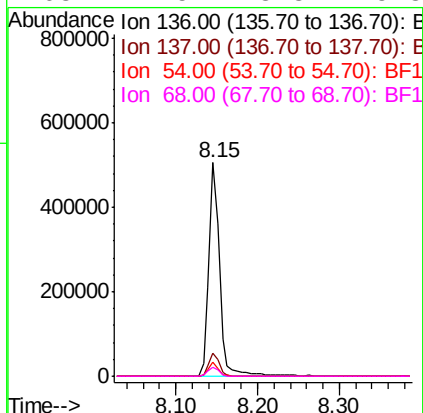
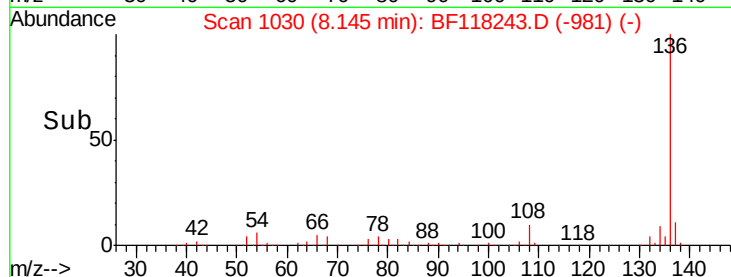
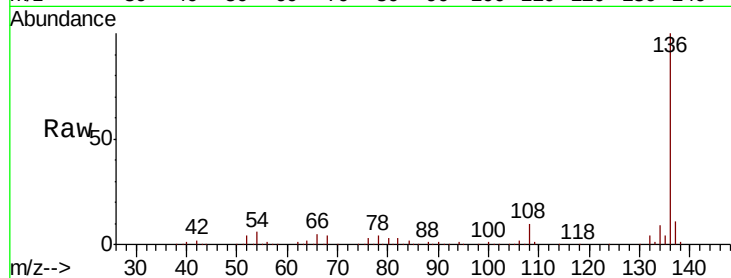




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118243.D
Acq: 17 Dec 2019 23:08

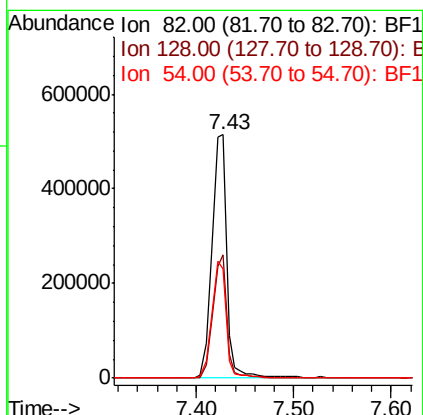
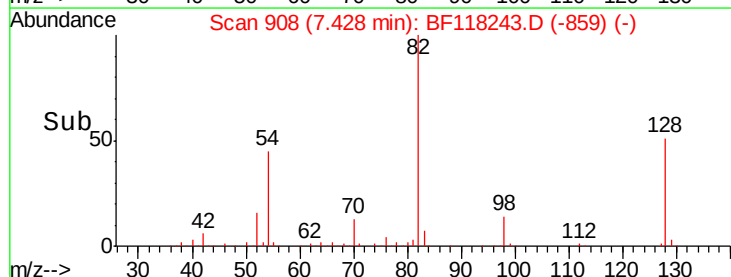
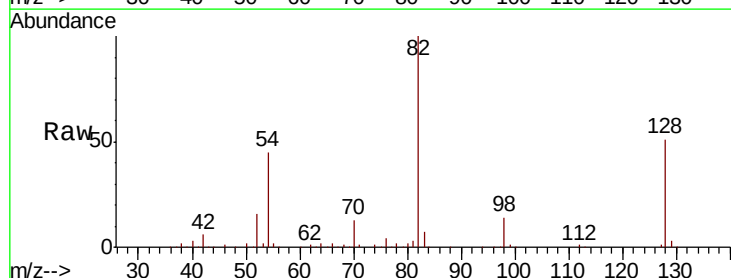
Instrument :
BNA_F
ClientSampleId :

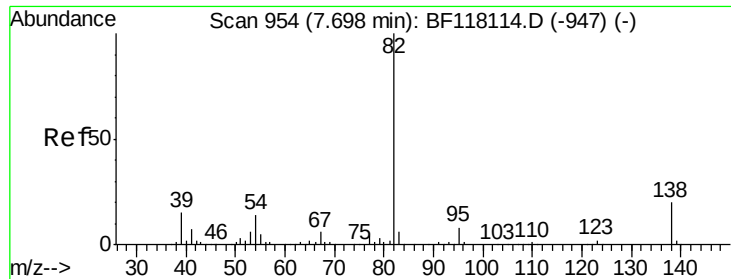
Tot Ion:136	Resp:	463731
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.6
54	6.3	5.0 7.6
68	4.5	3.8 5.8



#23
Nitrobenzene-d5
Concen: 66.512 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118243.D
Acq: 17 Dec 2019 23:08

Tgt Ion: 82	Resp:	548258
Ion Ratio	Lower	Upper
82	100	
128	50.8	39.1 58.7
54	45.1	38.2 57.2





#25

Isophorone

Concen: 39.235 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

Instrument :

BNA_F

ClientSampleId :

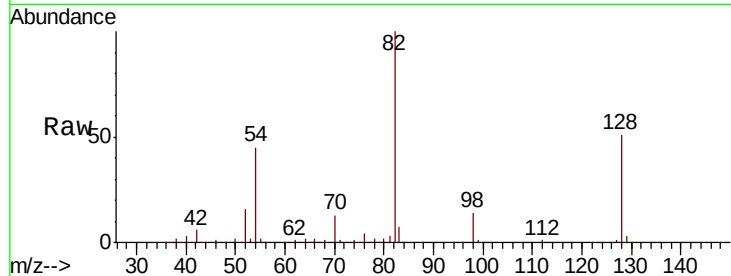
Tot Ion: 82 Resp: 548253

Ion Ratio Lower Upper

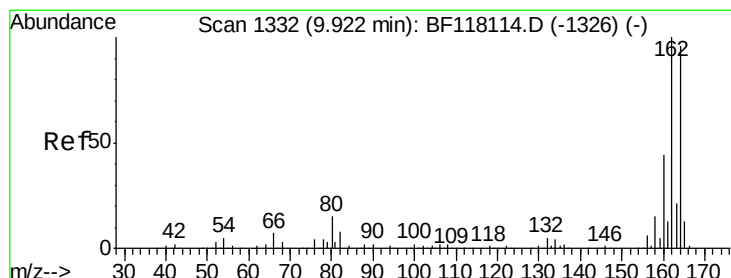
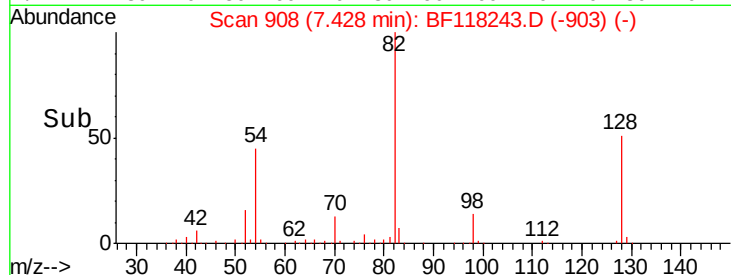
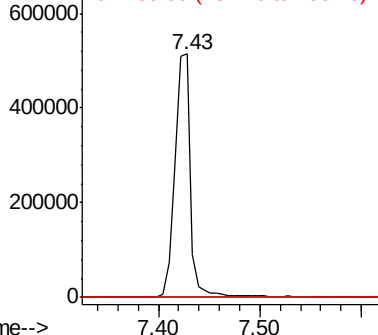
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

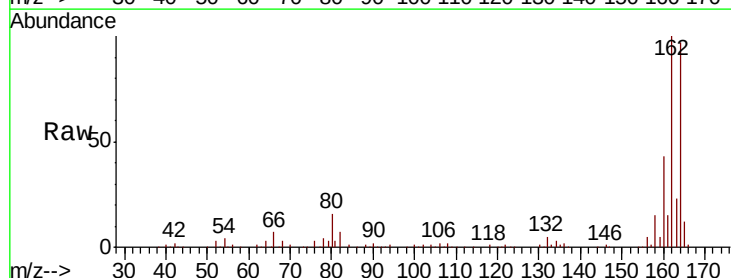
Tgt Ion: 164 Resp: 219517

Ion Ratio Lower Upper

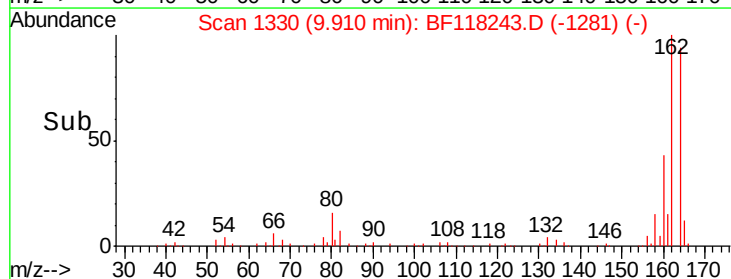
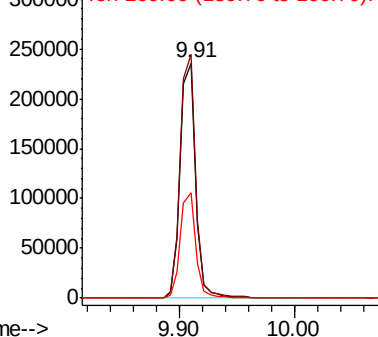
164 100

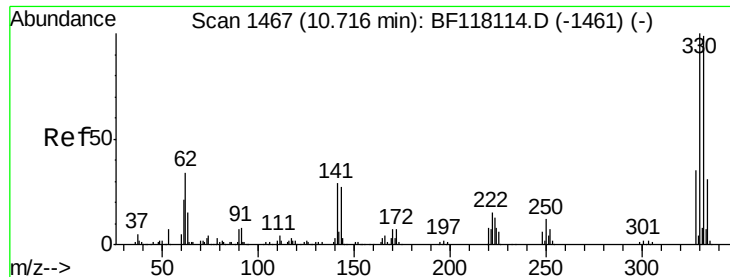
162 103.5 83.4 125.0

160 44.7 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: 86.202 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

Instrument :

BNA_F

ClientSampleId :

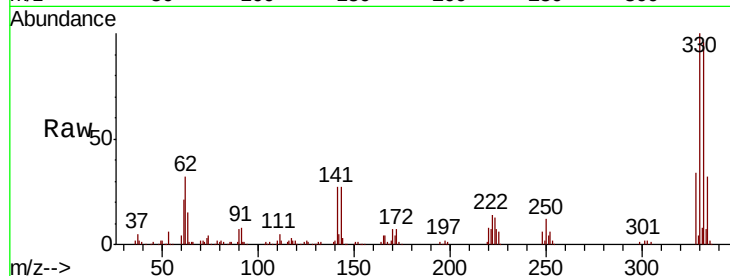
Tot Ion:330 Resp: 229877

Ion Ratio Lower Upper

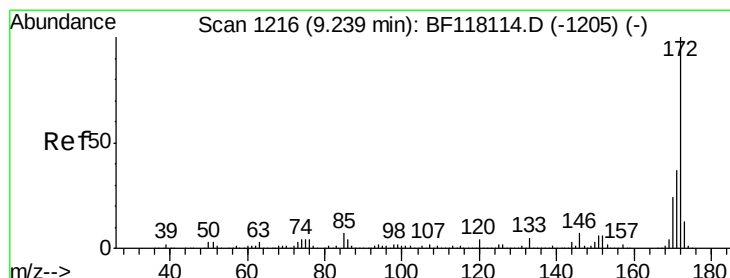
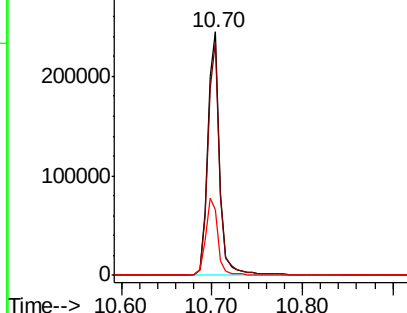
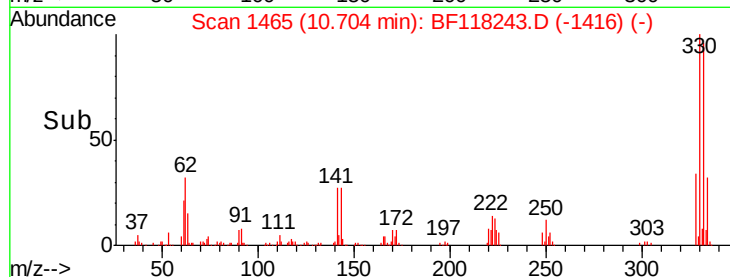
330 100

332 95.6 78.1 117.1

141 32.7 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: 75.472 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

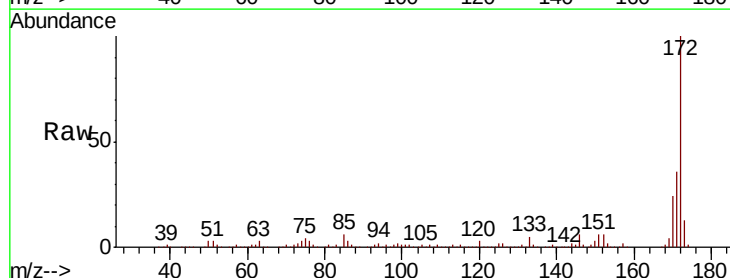
Tgt Ion:172 Resp: 1088779

Ion Ratio Lower Upper

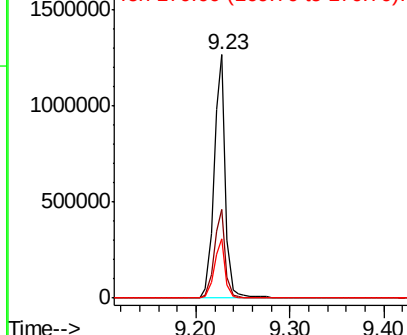
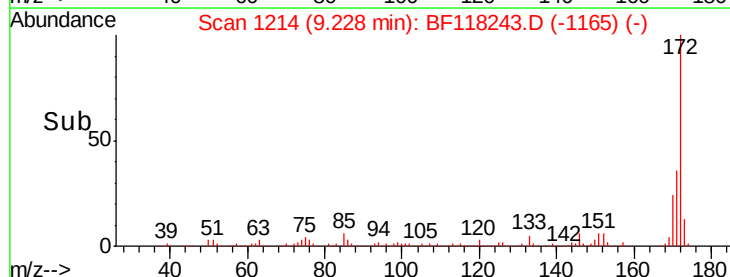
172 100

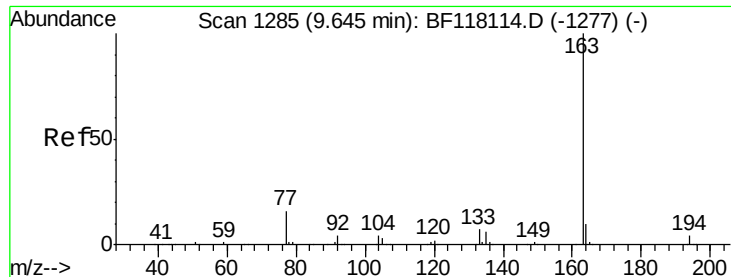
171 36.2 29.2 43.8

170 24.1 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





#50

Dimethylphthalate

Concen: 4.041 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

Instrument :

BNA_F

ClientSampleId :

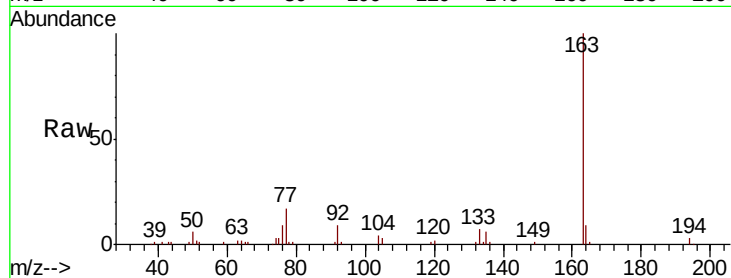
Tot Ion:163 Resp: 65524

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

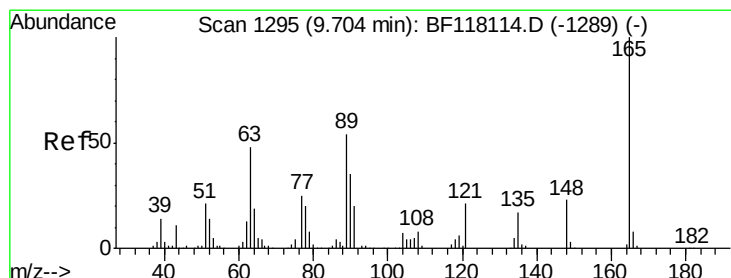
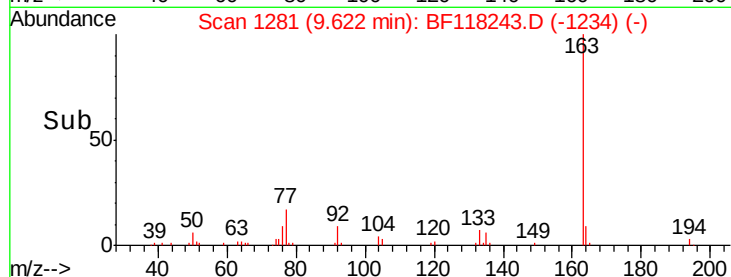
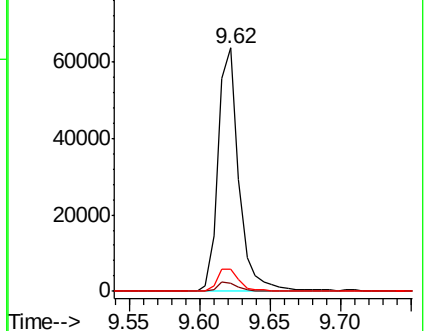
164 9.3 7.7 11.5



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



#51

2,6-Dinitrotoluene

Concen: 8.189 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

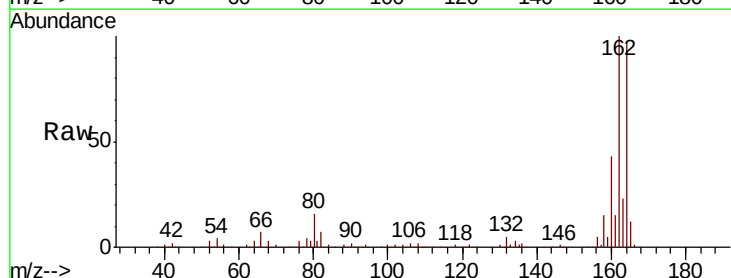
Tgt Ion:165 Resp: 28874

Ion Ratio Lower Upper

165 100

63 1.1 41.4 62.0#

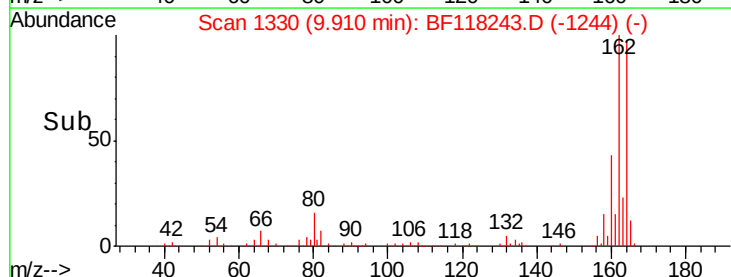
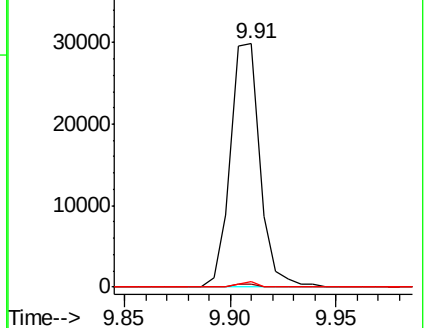
89 2.2 42.9 64.3#

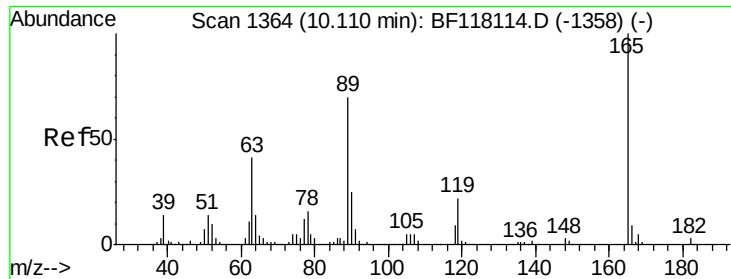


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

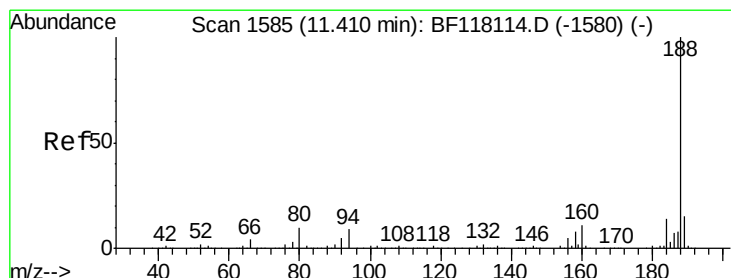
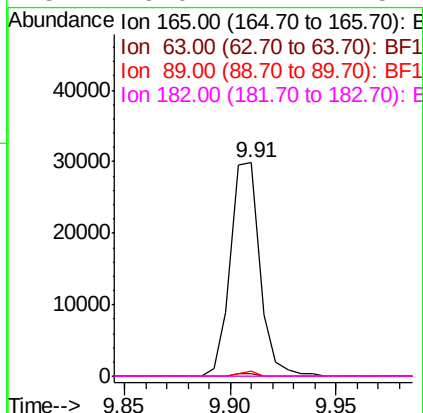
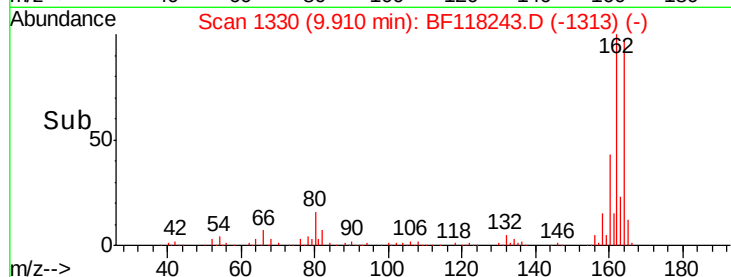
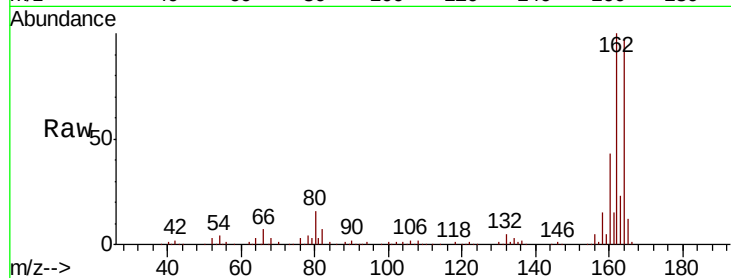




#57
 2,4-Dinitrotoluene
 Concen: 6.136 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118243.D
 Acq: 17 Dec 2019 23:08

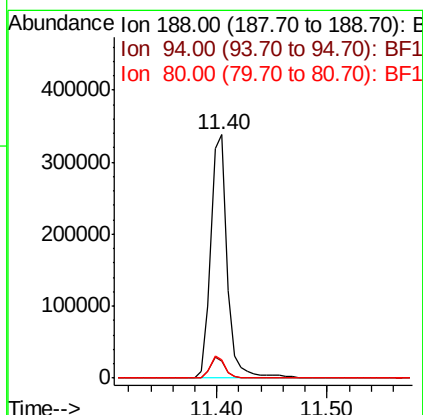
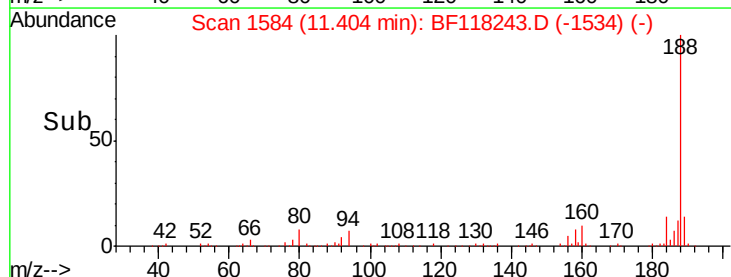
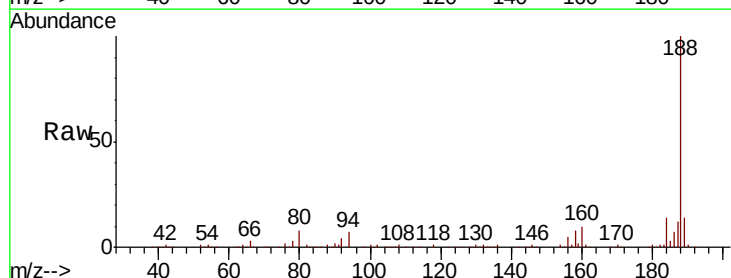
Instrument :
 BNA_F
 ClientSampleId :

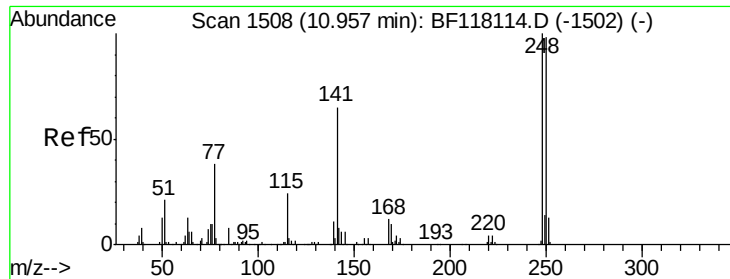
Tot Ion:165 Resp: 28874
 Ion Ratio Lower Upper
 165 100
 63 1.1 32.6 49.0#
 89 2.2 56.1 84.1#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118243.D
 Acq: 17 Dec 2019 23:08

Tgt Ion:188 Resp: 345059
 Ion Ratio Lower Upper
 188 100
 94 7.1 7.1 10.7#
 80 7.7 7.9 11.9#

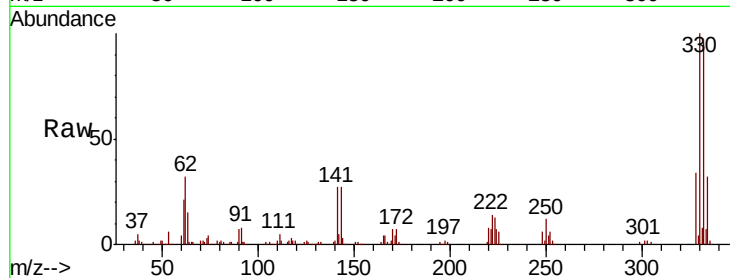




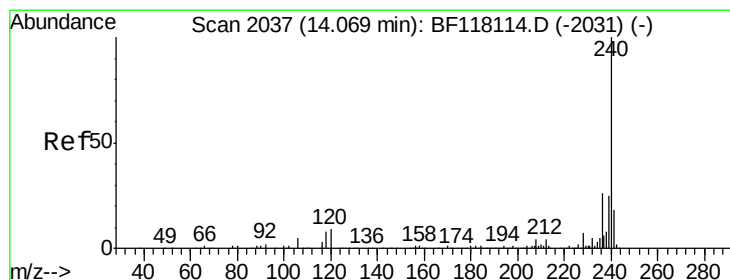
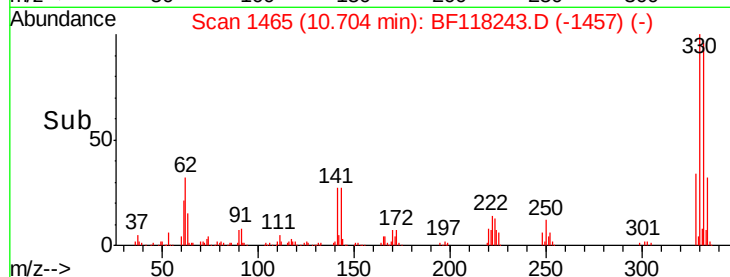
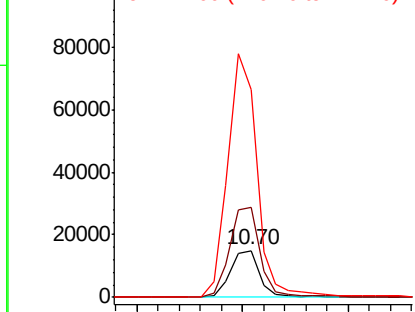
#67
4-Bromophenyl-phenylether
Concen: 3.666 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118243.D
Acq: 17 Dec 2019 23:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14441
Ion Ratio Lower Upper
248 100
250 190.6 78.3 117.5#
141 441.3 52.2 78.4#

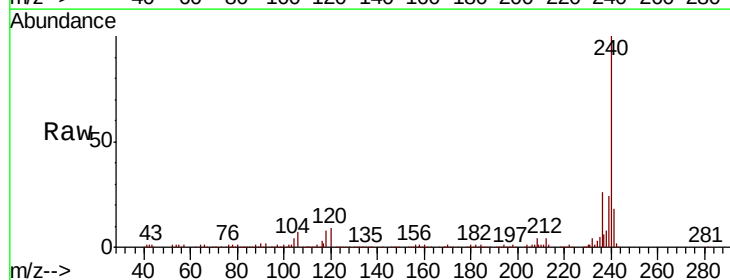


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

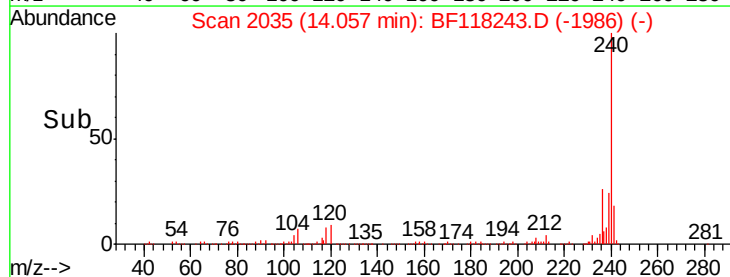
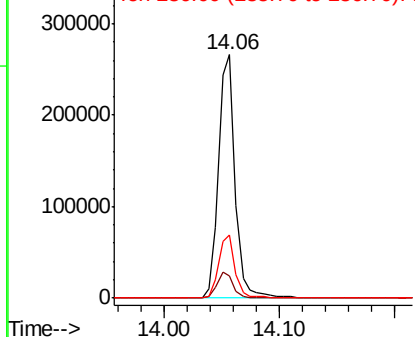


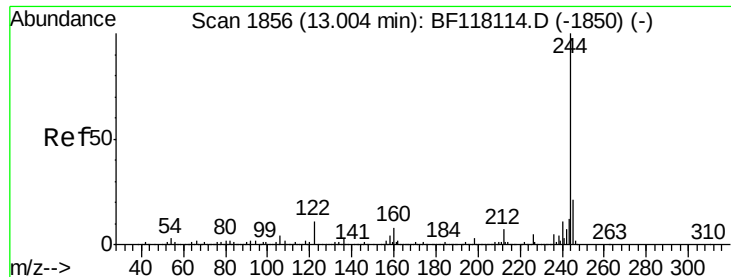
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118243.D
Acq: 17 Dec 2019 23:08

Tgt Ion:240 Resp: 265608
Ion Ratio Lower Upper
240 100
120 9.1 7.1 10.7
236 26.2 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





#79

Terphenyl-d14

Concen: 63.188 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118243.D

Acq: 17 Dec 2019 23:08

Instrument :

BNA_F

ClientSampleId :

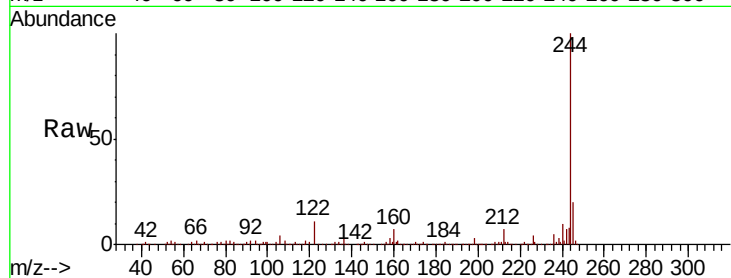
Tot Ion:244 Resp: 975977

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

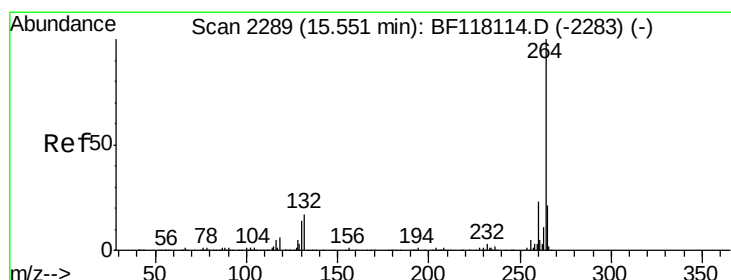
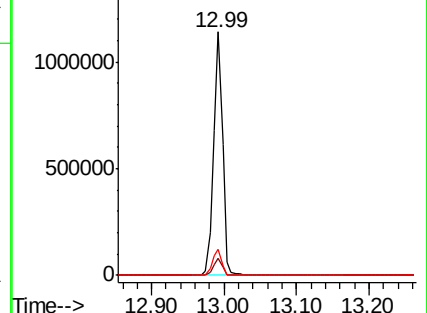
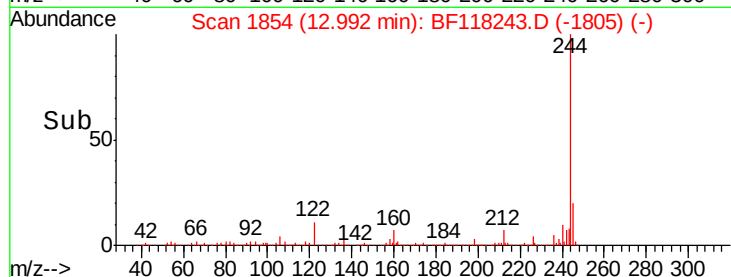
122 10.9 9.0 13.6



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: BF118243.D

Acq: 17 Dec 2019 23:08

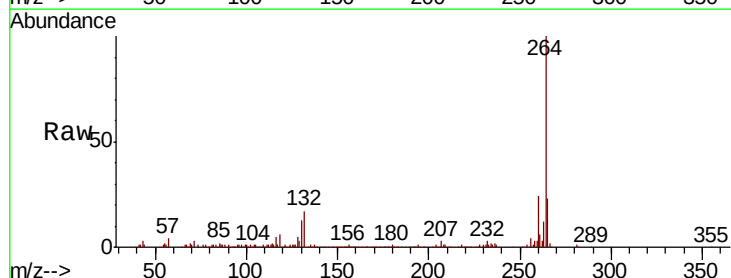
Tgt Ion:264 Resp: 216283

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.6 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

