

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118353.D
 Acq On : 27 Dec 2019 22:27
 Operator : JU
 Sample : K6443-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 00:02:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

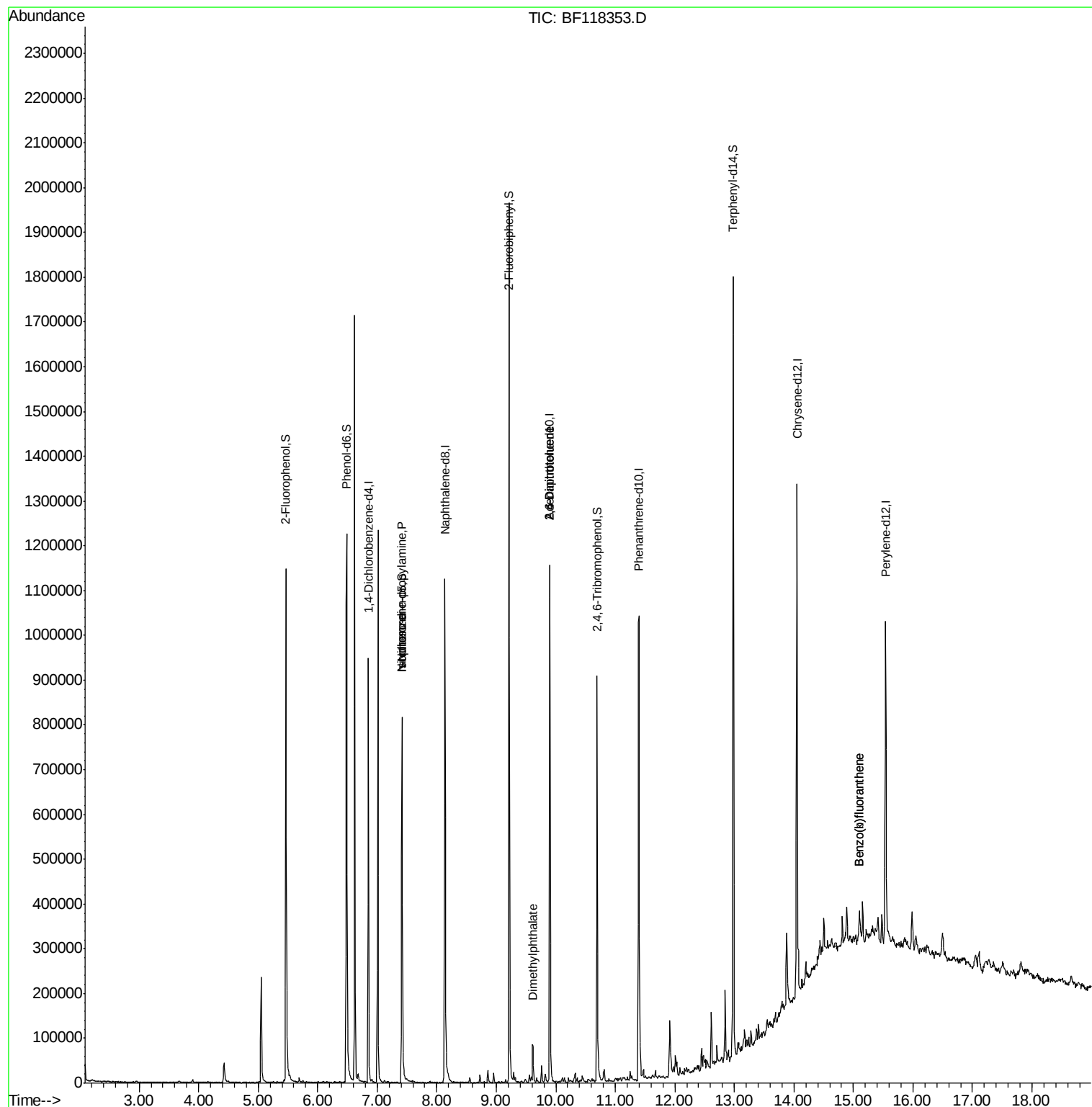
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	139347	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	527047	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	257319	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	425801	20.00	ng	0.00
76) Chrysene-d12	14.05	240	354303	20.00	ng	0.00
87) Perylene-d12	15.54	264	301016	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	376794	46.16	ng	0.00
7) Phenol-d6	6.49	99	476830	47.09	ng	0.00
23) Nitrobenzene-d5	7.42	82	270160	29.32	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	127507	40.13	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	575539	34.14	ng	0.00
79) Terphenyl-d14	12.99	244	609241	28.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	36290	5.817	ng	# 77
25) Isophorone	7.42	82	270159	16.822	ng	# 62
50) Dimethylphthalate	9.61	163	38994	2.019	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	32830	7.884	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	32830	5.900	ng	# 29
88) Benzo(b)fluoranthene	15.10	252	50794	2.542	ng	# 81
89) Benzo(k)fluoranthene	15.10	252	50794	2.647	ng	# 83

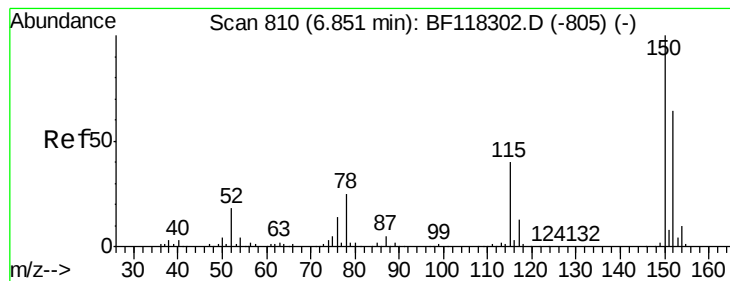
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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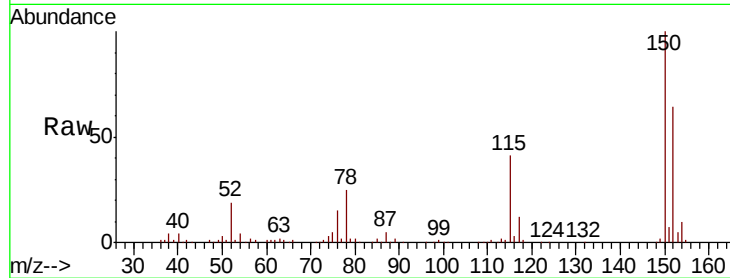


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118353.D
Acq: 27 Dec 2019 22:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.4	188.2
115	63.7	50.2	75.4

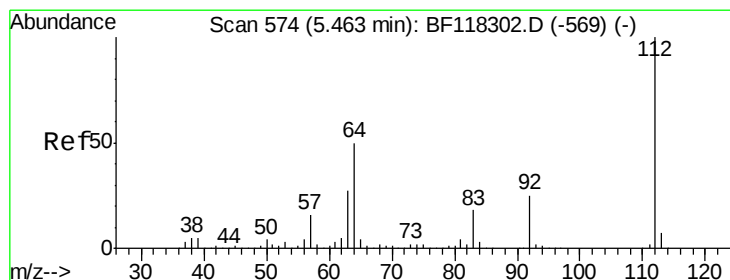
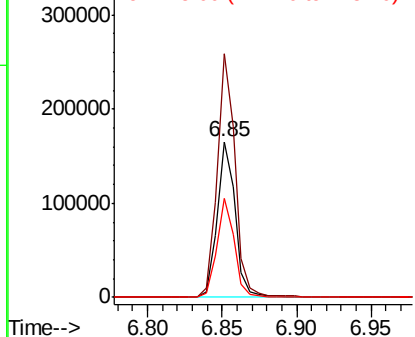
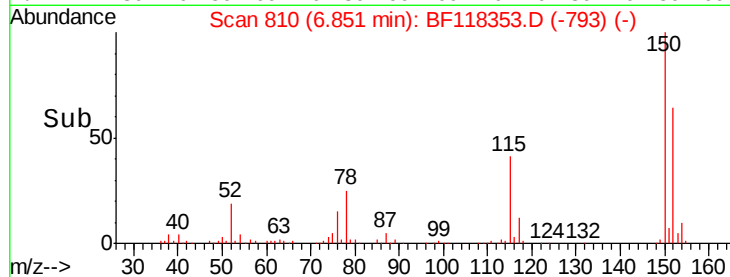


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

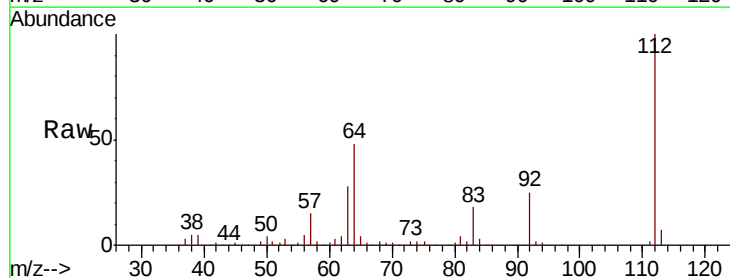
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.157 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118353.D
Acq: 27 Dec 2019 22:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.9	39.7	59.5
63	27.5	21.7	32.5

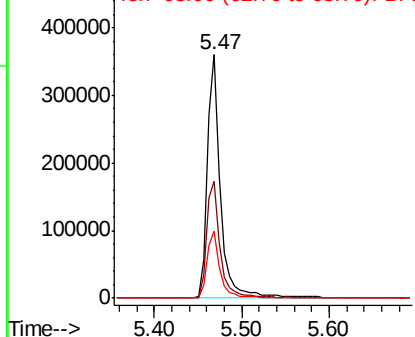
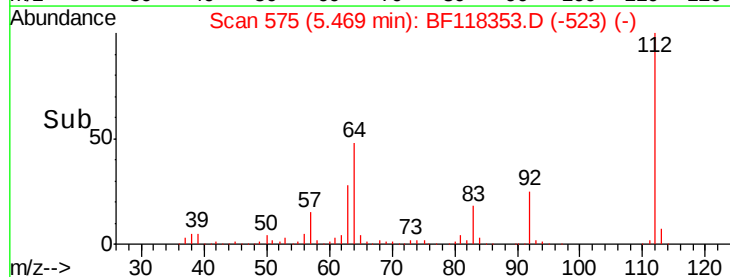


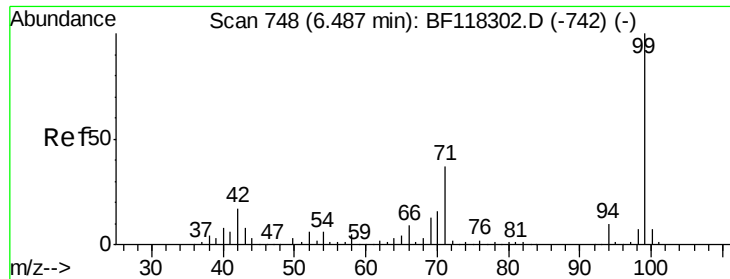
Abundance

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: 47.086 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Instrument :

BNA_F

ClientSampleId :

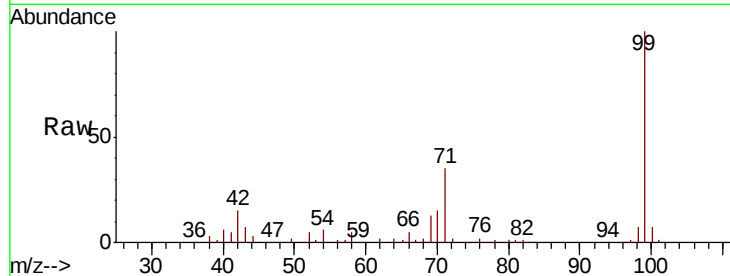
Tot Ion: 99 Resp: 476830

Ion Ratio Lower Upper

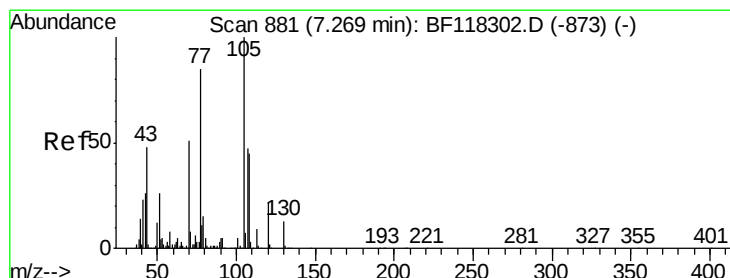
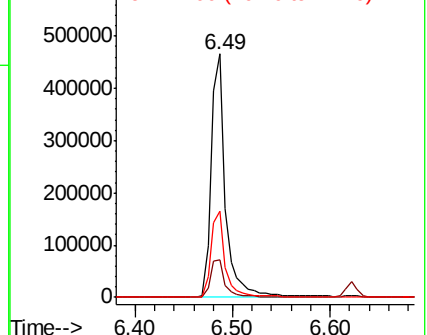
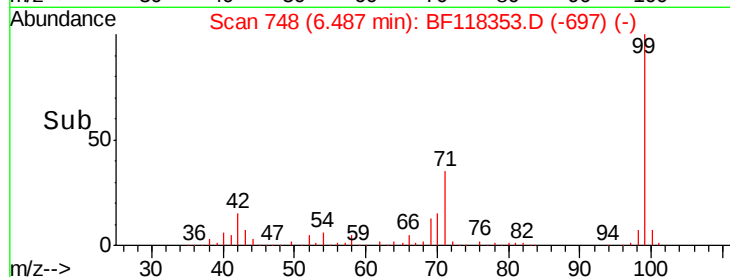
99 100

42 15.3 13.5 20.3

71 35.3 29.4 44.2



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: 5.817 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Tgt Ion: 70 Resp: 36290

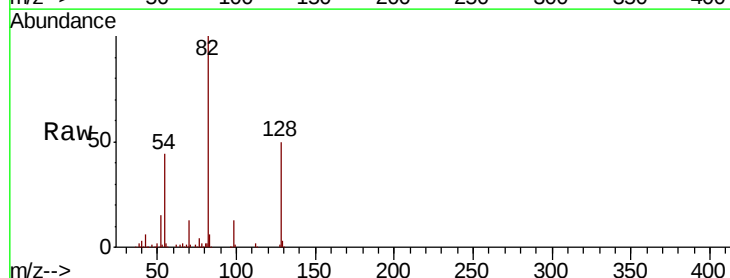
Ion Ratio Lower Upper

70 100

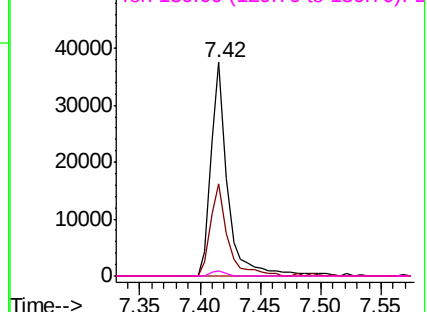
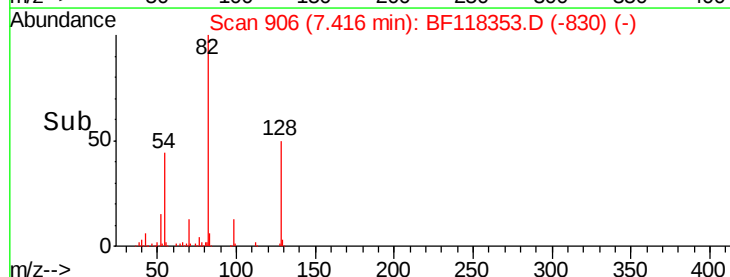
42 43.3 41.1 61.7

101 0.0 8.3 12.5#

130 2.4 20.1 30.1#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 527047

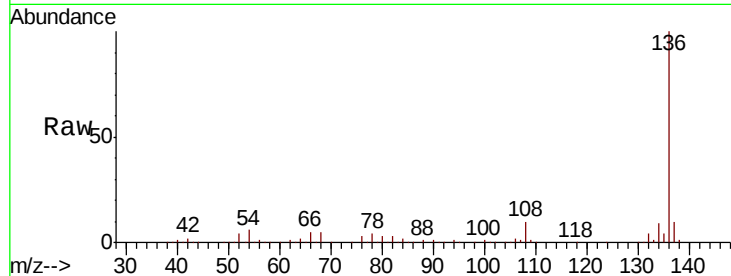
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 5.7 4.2 6.4

68 4.9 3.5 5.3

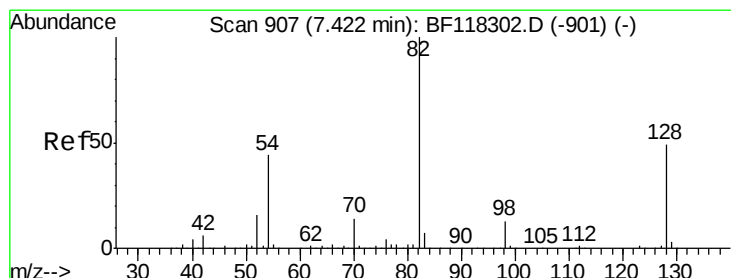
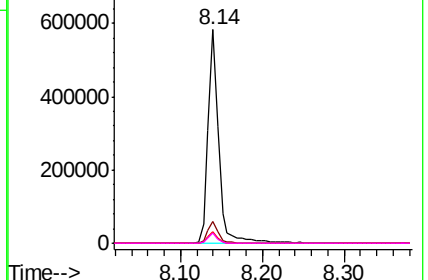
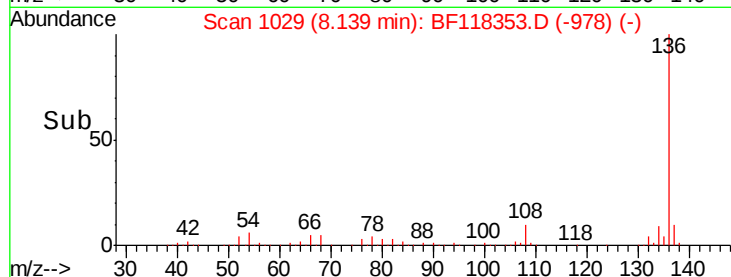


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 29.318 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

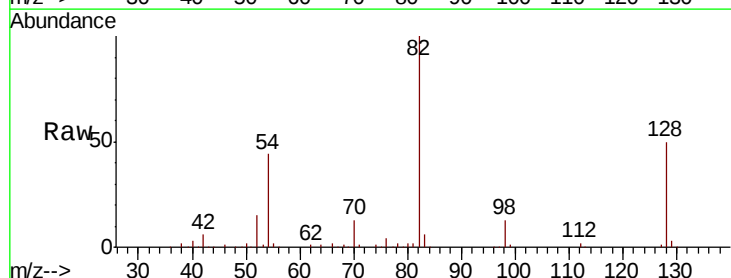
Tgt Ion: 82 Resp: 270160

Ion Ratio Lower Upper

82 100

128 49.7 39.6 59.4

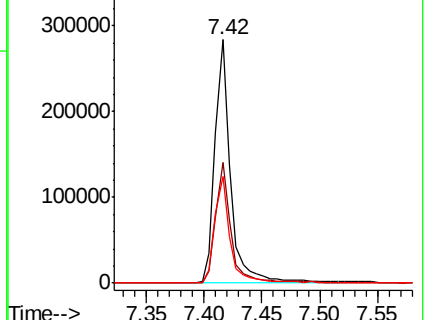
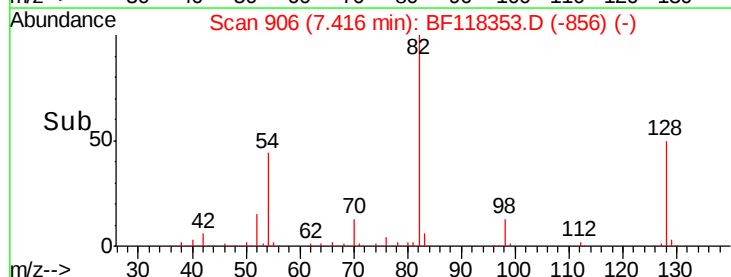
54 44.0 34.9 52.3

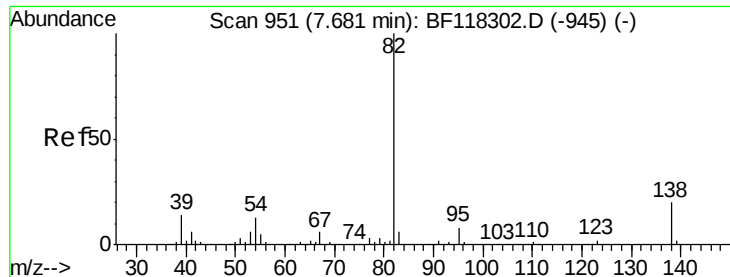


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.822 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Instrument :

BNA_F

ClientSampleId :

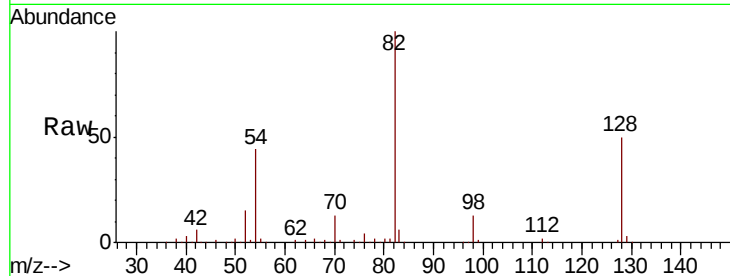
Tot Ion: 82 Resp: 270159

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

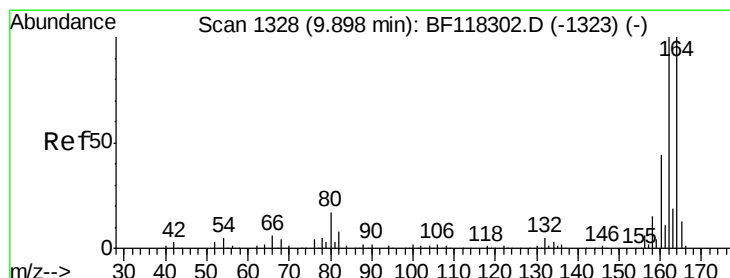
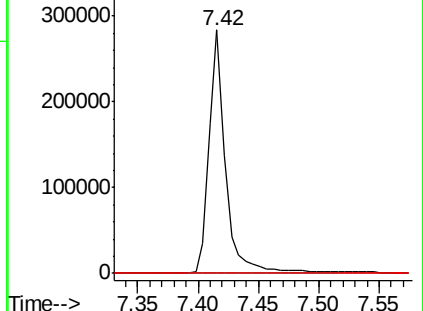
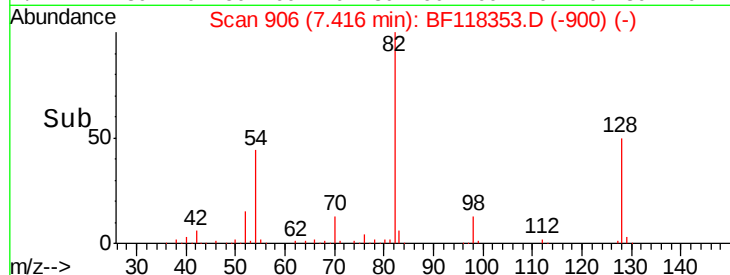
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

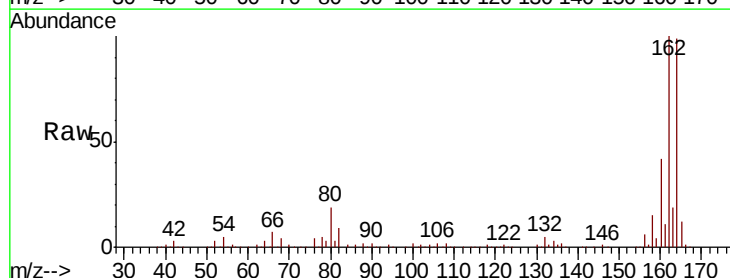
Tgt Ion: 164 Resp: 257319

Ion Ratio Lower Upper

164 100

162 100.9 80.0 120.0

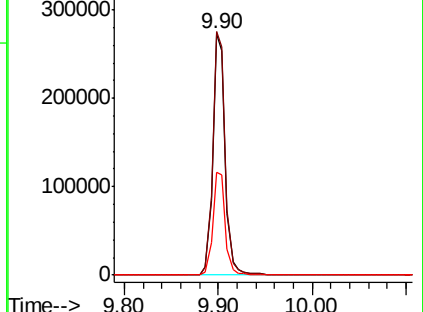
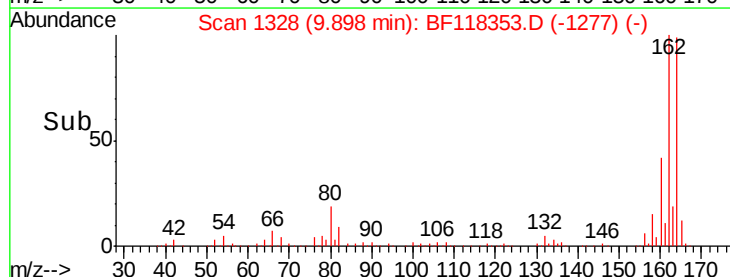
160 42.7 34.8 52.2

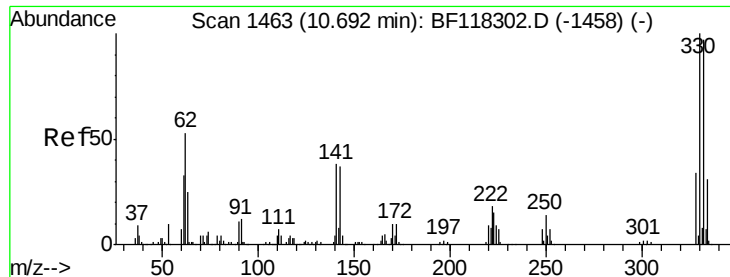


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

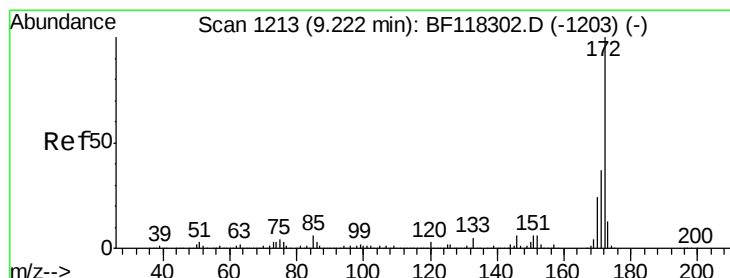
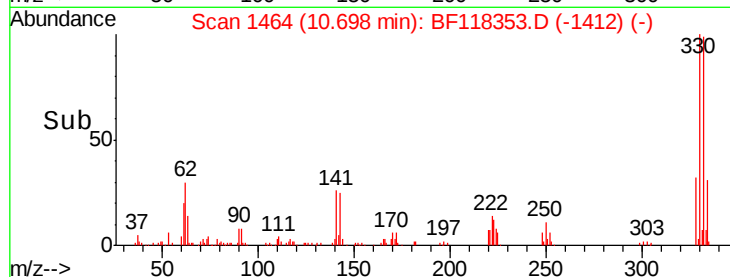
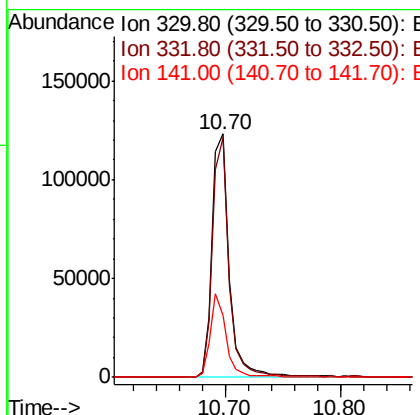
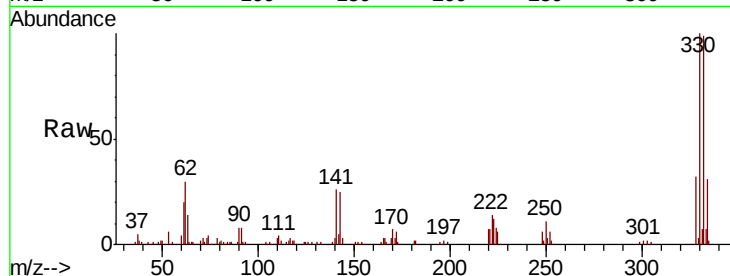




#42
 2,4,6-Tribromophenol
 Concen: 40.126 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118353.D
 Acq: 27 Dec 2019 22:27

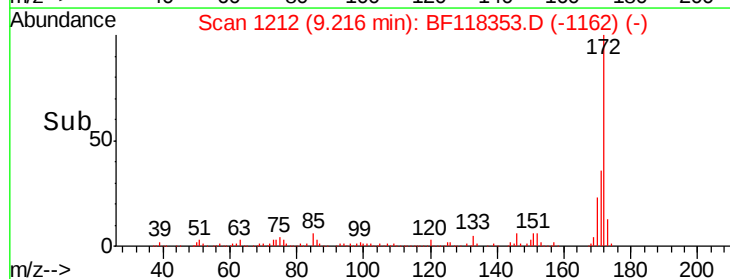
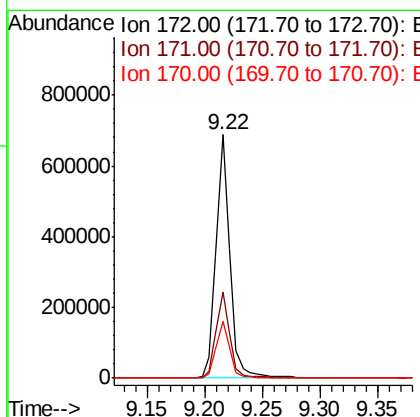
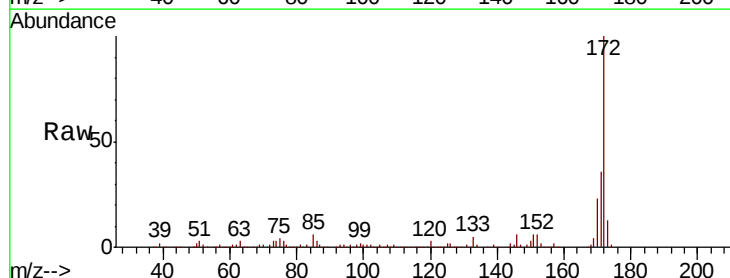
Instrument :
 BNA_F
 ClientSampleId :

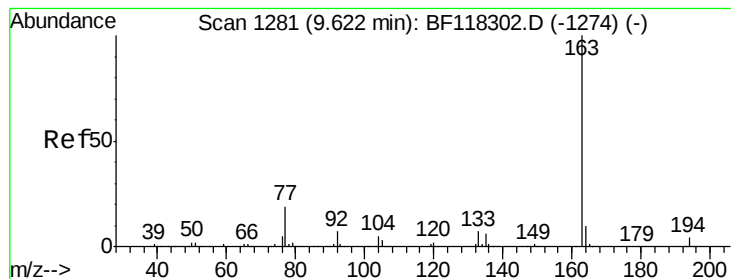
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	114.8
141	32.3	26.0	39.0



#45
 2-Fluorobiphenyl
 Concen: 34.142 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118353.D
 Acq: 27 Dec 2019 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.3	43.9
170	23.4	19.2	28.8





#50

Dimethylphthalate

Concen: 2.019 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Instrument :

BNA_F

ClientSampled :

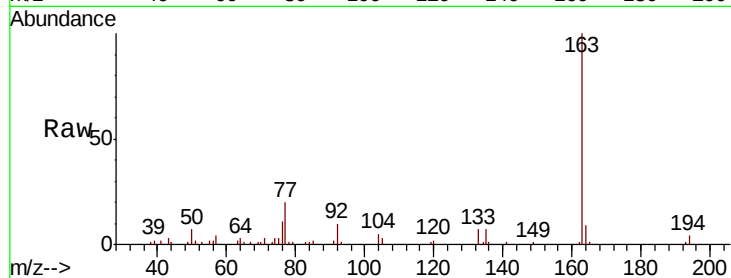
Tot Ion:163 Resp: 38994

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

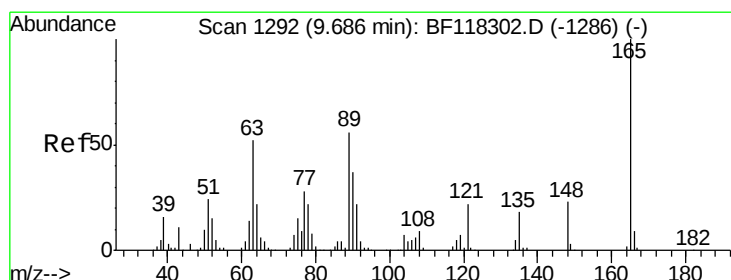
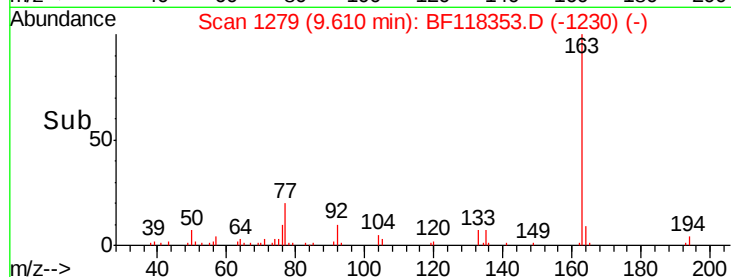
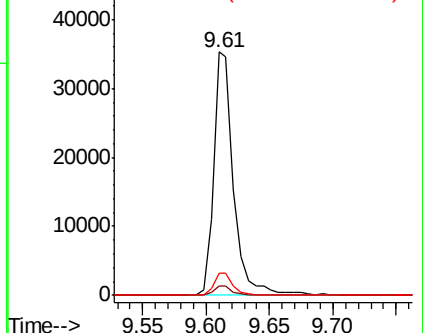
164 9.2 7.9 11.9



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: 7.884 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

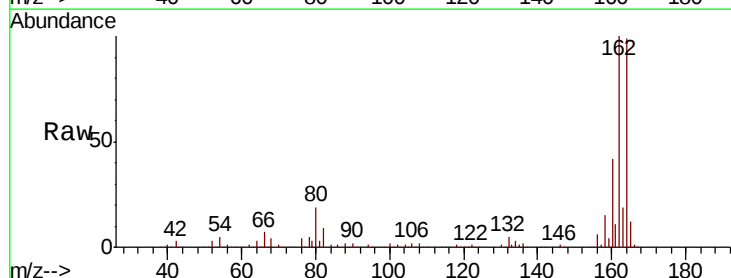
Tgt Ion:165 Resp: 32830

Ion Ratio Lower Upper

165 100

63 1.2 42.2 63.4#

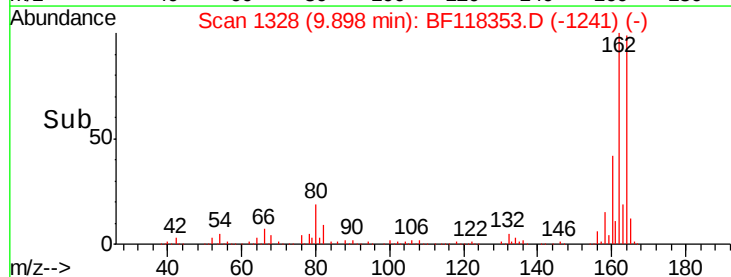
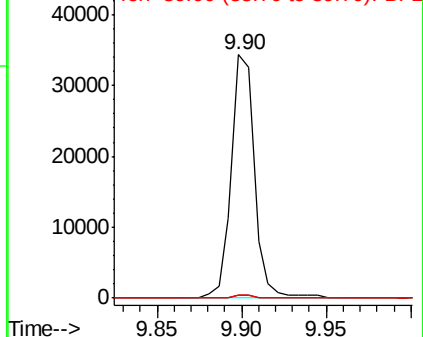
89 1.3 44.4 66.6#

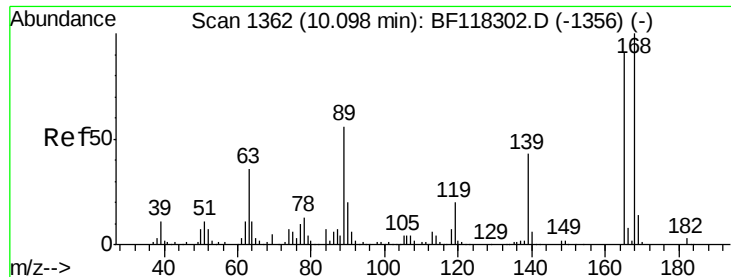


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.900 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 32830

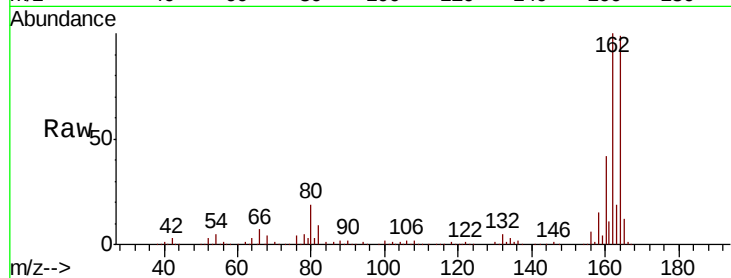
Ion Ratio Lower Upper

165 100

63 1.2 32.0 48.0#

89 1.3 49.3 73.9#

182 0.0 2.4 3.6#

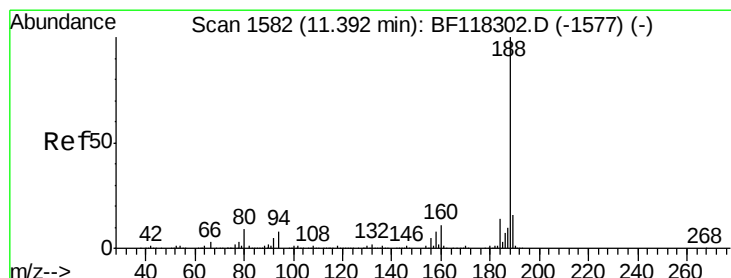
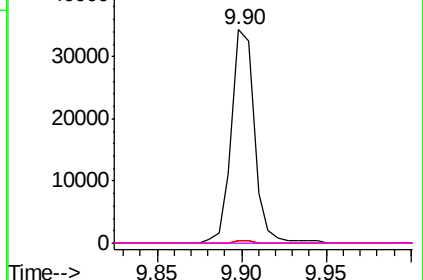
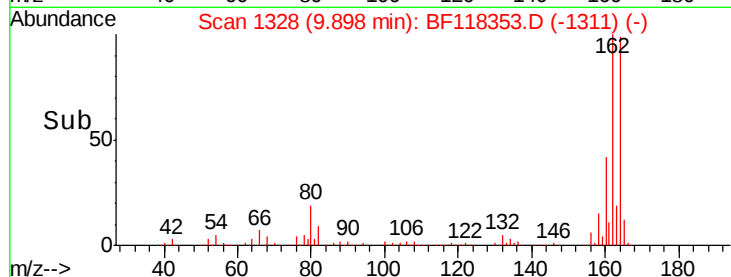


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1583

Delta R.T. 0.01 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

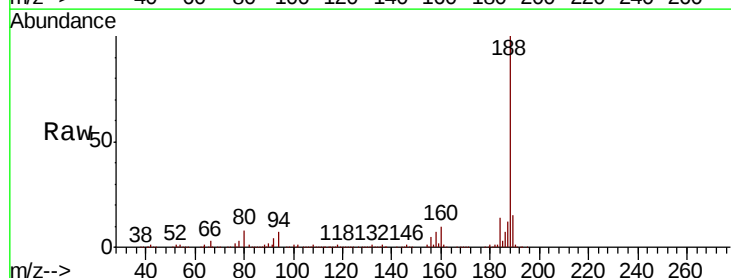
Tgt Ion:188 Resp: 425801

Ion Ratio Lower Upper

188 100

94 7.1 6.7 10.1

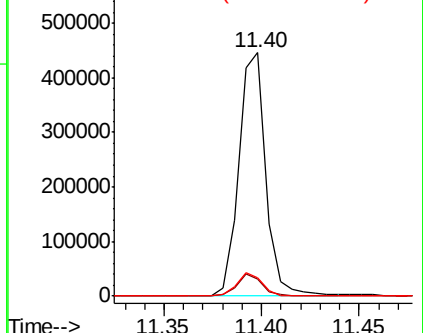
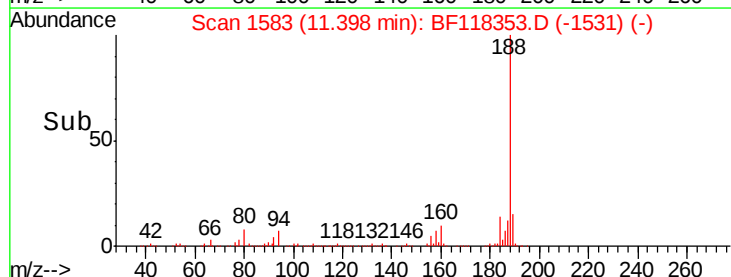
80 7.7 7.2 10.8

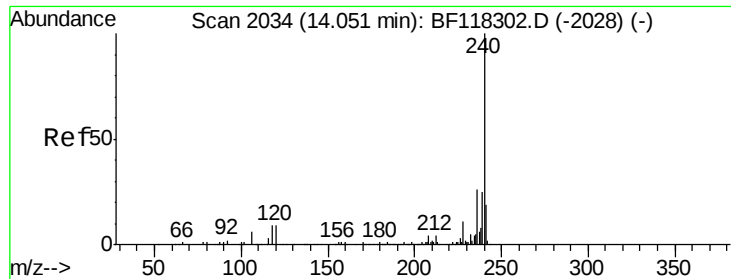


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

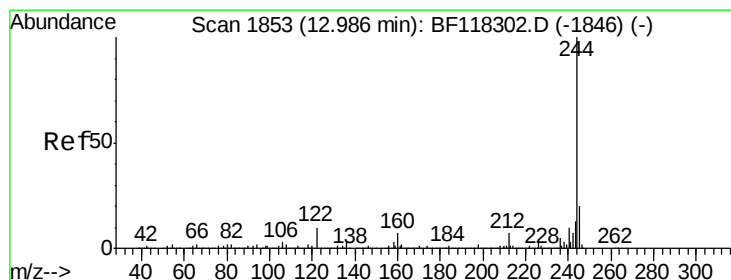
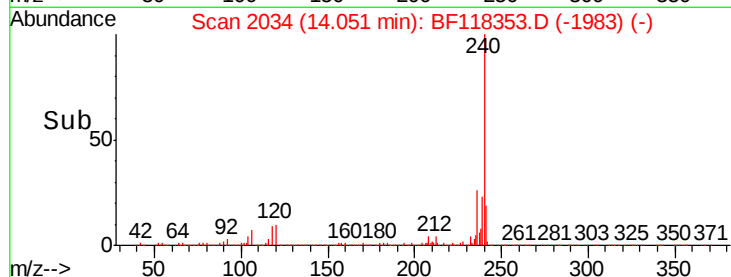
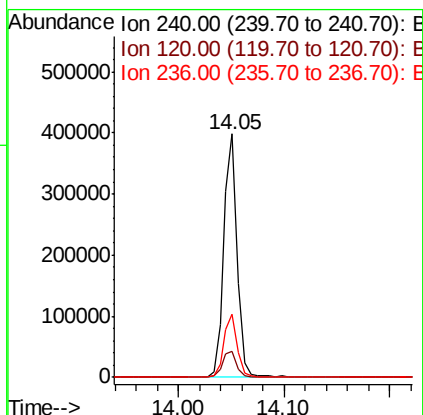
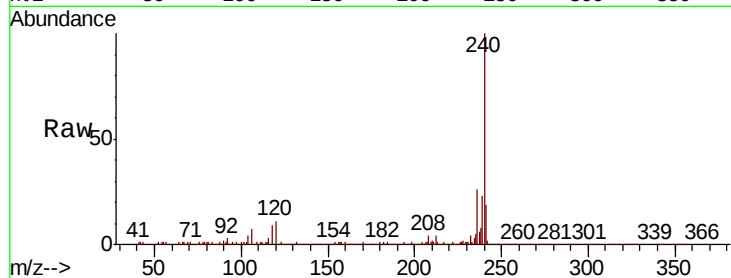




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118353.D
Acq: 27 Dec 2019 22:27

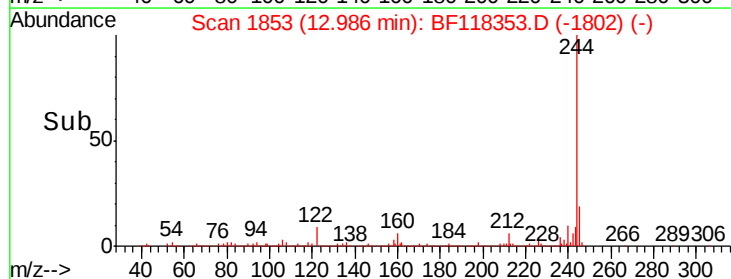
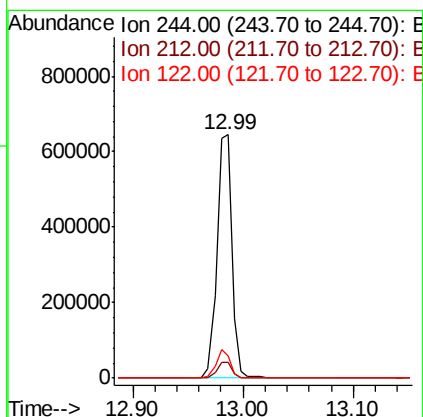
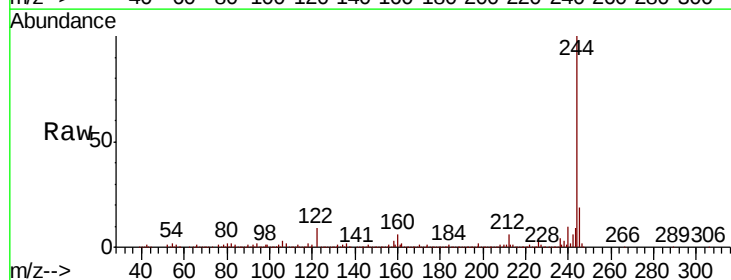
Instrument :
BNA_F
ClientSampleId :

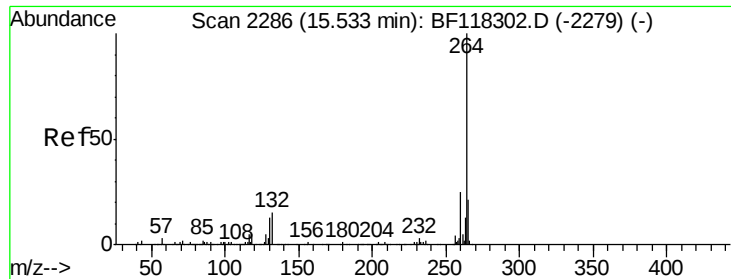
Tot Ion:240 Resp: 354303
Ion Ratio Lower Upper
240 100
120 10.6 7.1 10.7
236 25.8 21.0 31.6



#79
Terphenyl-d14
Concen: 28.528 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF118353.D
Acq: 27 Dec 2019 22:27

Tgt Ion:244 Resp: 609241
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.2
122 8.9 7.8 11.8

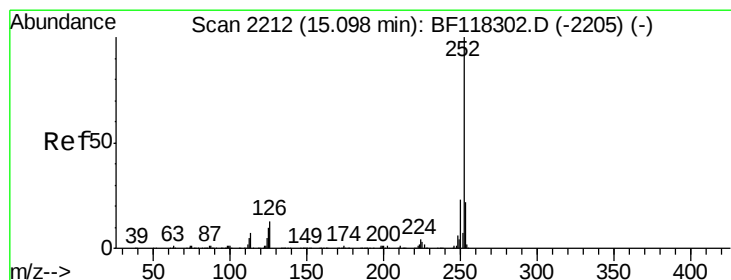
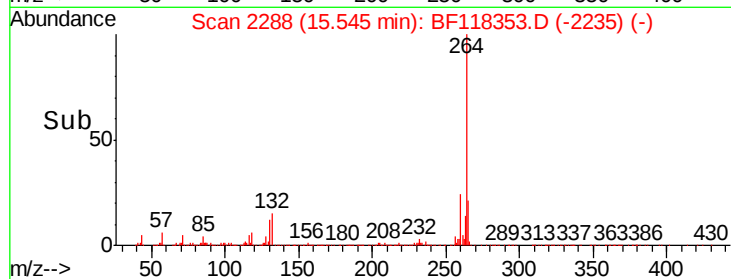
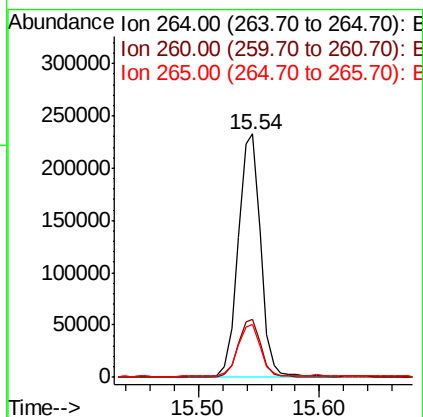
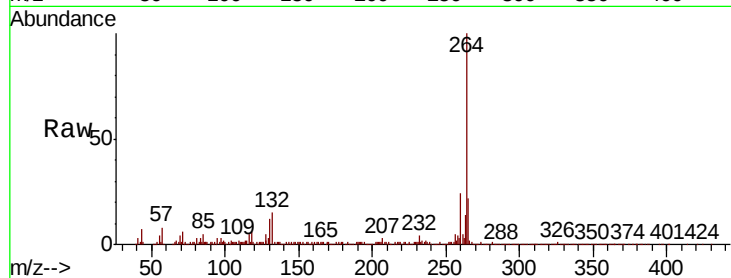




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118353.D
Acq: 27 Dec 2019 22:27

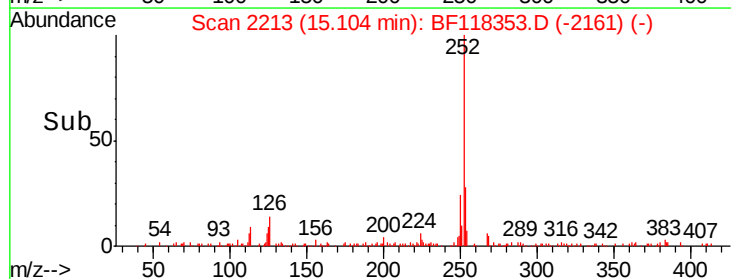
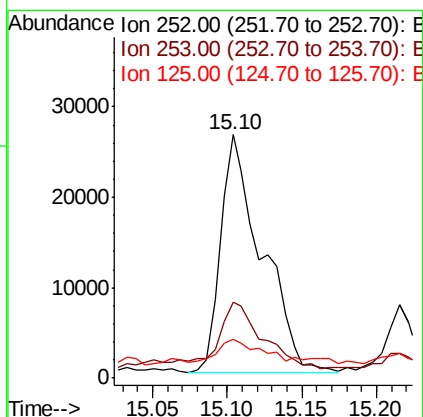
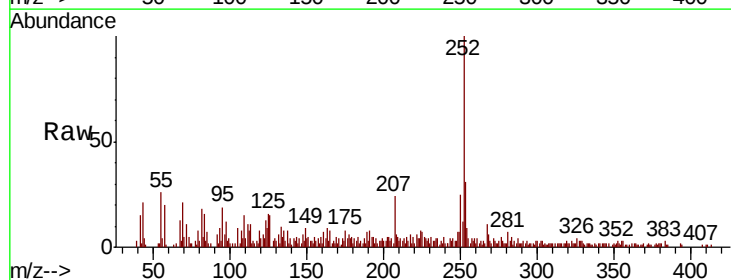
Instrument :
BNA_F
ClientSampleId :

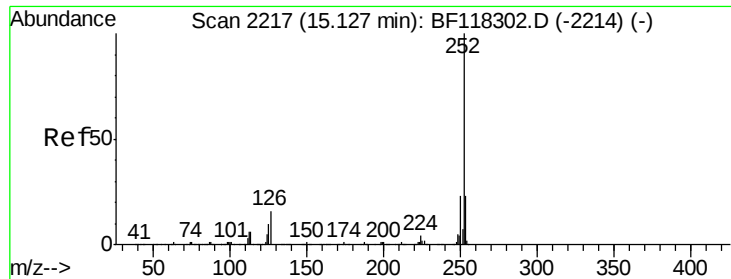
Tot Ion:264 Resp: 301016
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.6
265 21.7 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.542 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118353.D
Acq: 27 Dec 2019 22:27

Tgt Ion:252 Resp: 50794
Ion Ratio Lower Upper
252 100
253 31.0 17.5 26.3#
125 16.0 7.7 11.5#





#89

Benzo(k)fluoranthene

Concen: 2.647 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF118353.D

Acq: 27 Dec 2019 22:27

Instrument :

BNA_F

ClientSampleId :

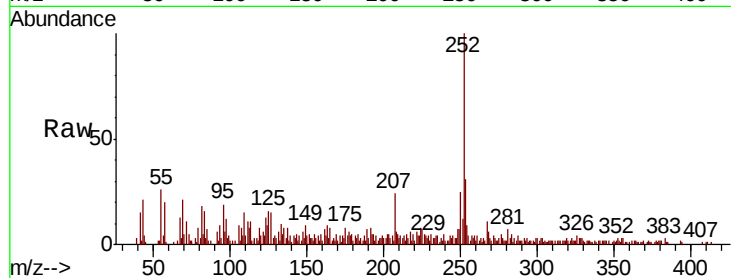
Tot Ion:252 Resp: 50794

Ion Ratio Lower Upper

252 100

253 31.0 18.0 27.0#

125 16.0 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

