

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
 Data File : BF115539.D
 Acq On : 12 Jul 2019 21:05
 Operator : HP/JU
 Sample : K3626-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 00:11:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

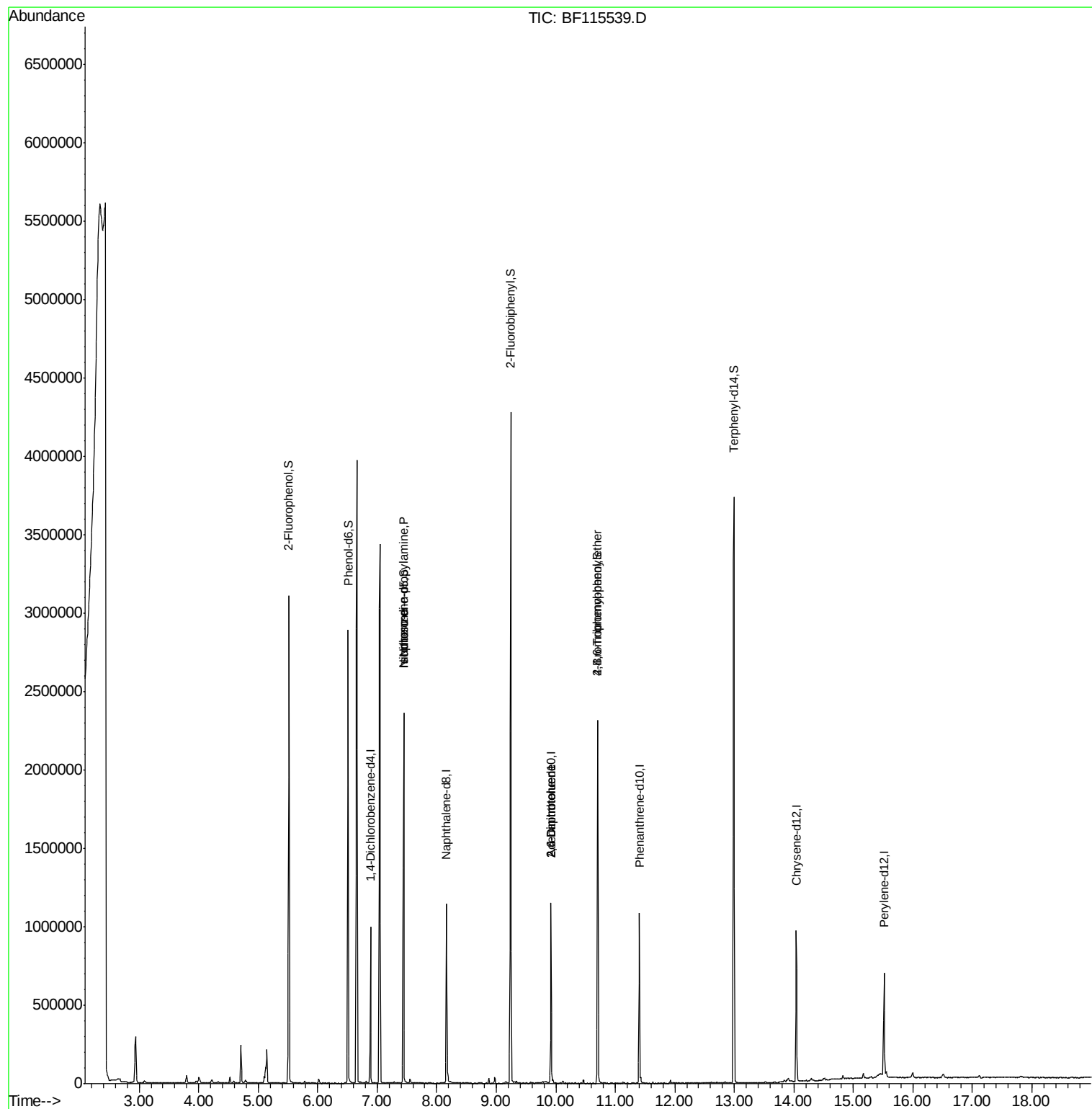
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	146682	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	516055	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	225873	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	361157	20.00	ng	0.00
76) Chrysene-d12	14.04	240	302933	20.00	ng	-0.01
87) Perylene-d12	15.52	264	332547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	992799	110.71	ng	0.01
7) Phenol-d6	6.51	99	1132682	99.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	889338	100.21	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	324048	122.91	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1531297	118.66	ng	0.00
79) Terphenyl-d14	12.99	244	1374282	83.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	117366	15.815	ng	# 77
25) Isophorone	7.45	82	883625	49.756	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	28697	7.431	ng	# 28
57) 2,4-Dinitrotoluene	9.92	165	28697	5.735	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	19950	4.834	ng	# 1

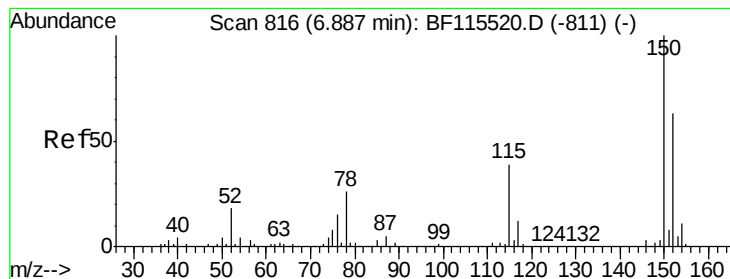
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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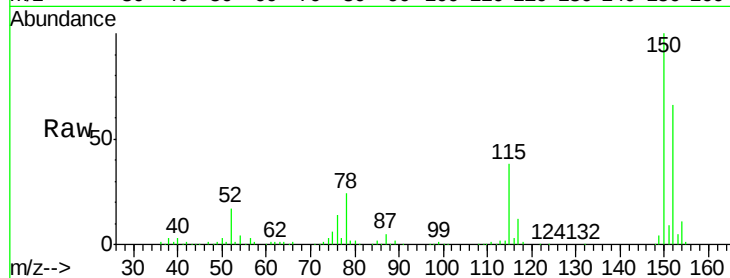


#1

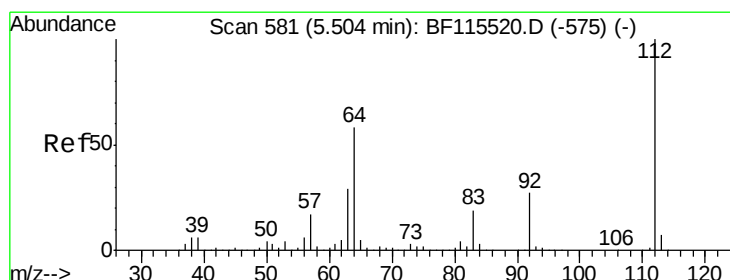
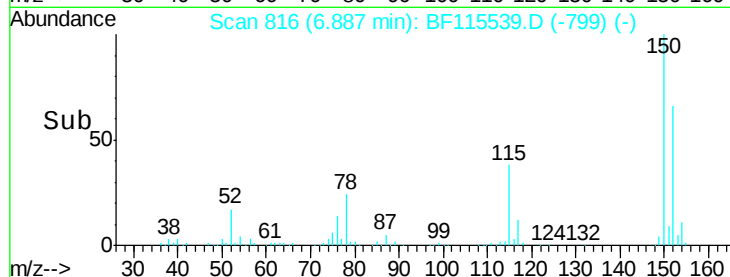
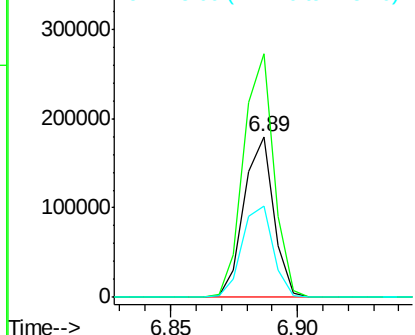
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF115539.D
 Acq: 12 Jul 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 146682
 Ion Ratio Lower Upper
 152 100
 150 151.6 129.7 194.5
 115 57.1 48.2 72.4



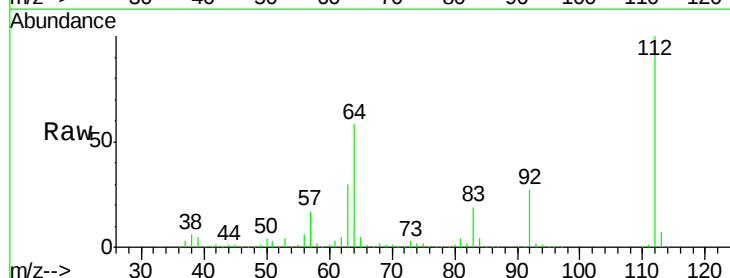
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



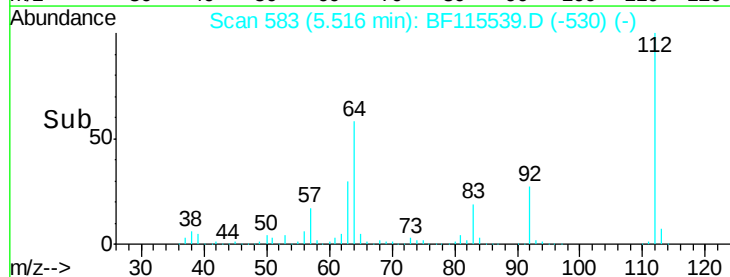
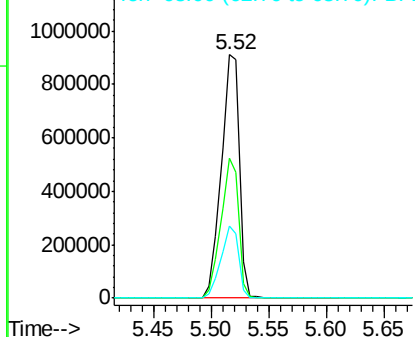
#5

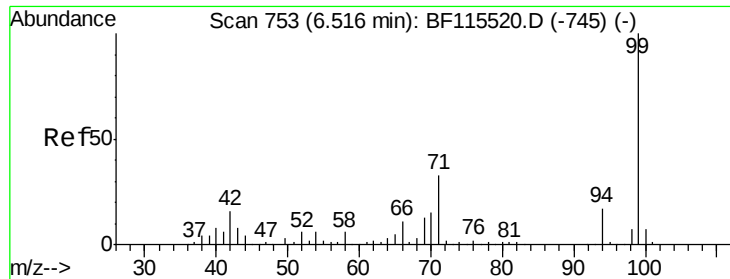
2-Fluorophenol
 Concen: 110.711 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF115539.D
 Acq: 12 Jul 2019 21:05

Tgt Ion:112 Resp: 992799
 Ion Ratio Lower Upper
 112 100
 64 57.6 46.8 70.2
 63 29.5 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: 99.544 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

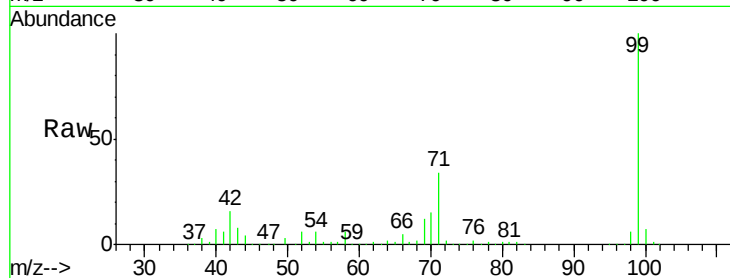
Tot Ion: 99 Resp: 1132682

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

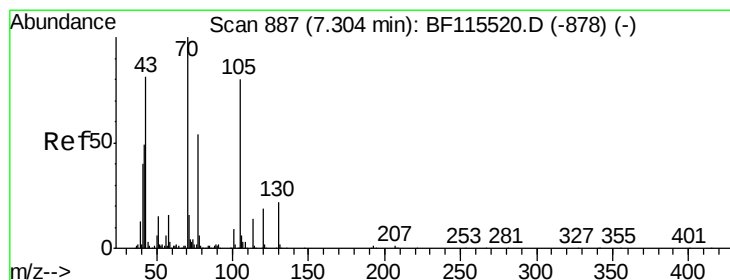
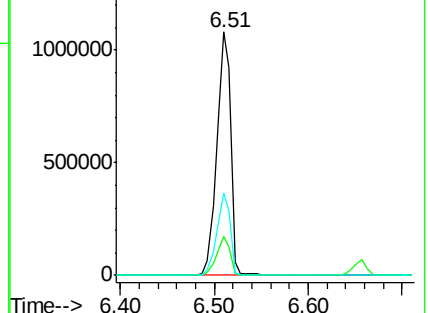
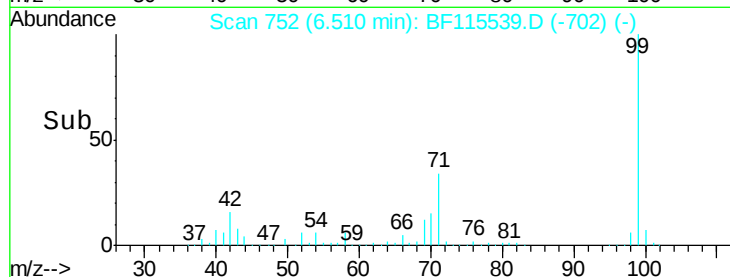
71 34.0 28.5 42.7



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: 15.815 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Tgt Ion: 70 Resp: 117366

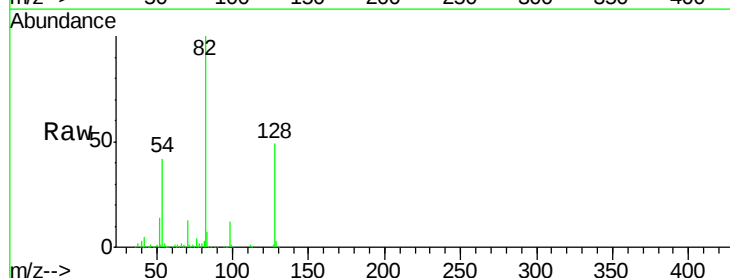
Ion Ratio Lower Upper

70 100

42 40.3 39.6 59.4

101 0.0 8.1 12.1#

130 2.3 18.2 27.2#

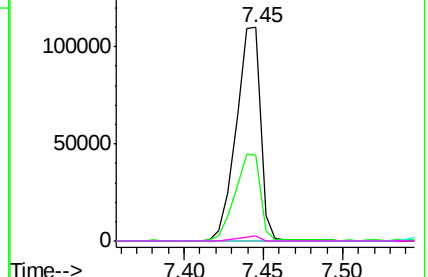
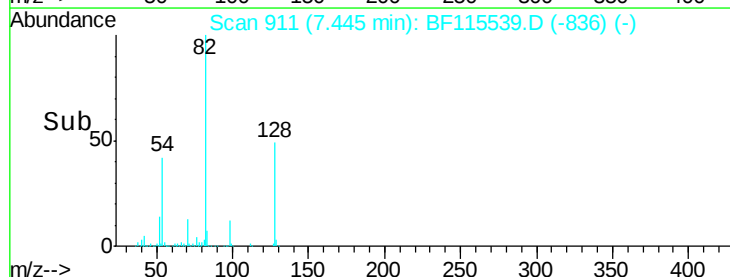


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 516055

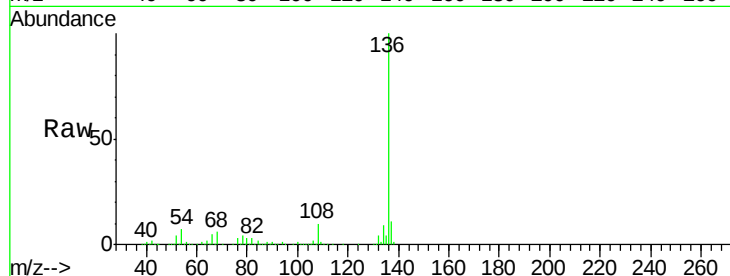
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.9 5.6 8.4

68 6.2 5.0 7.6

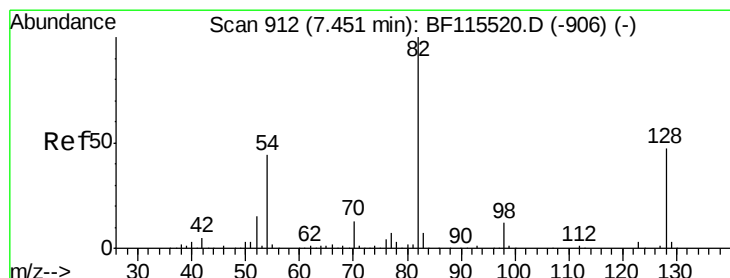
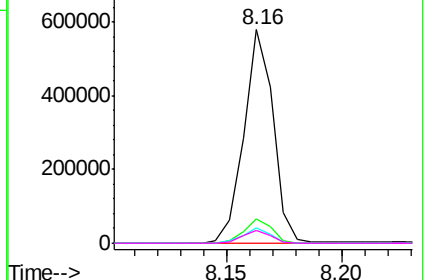
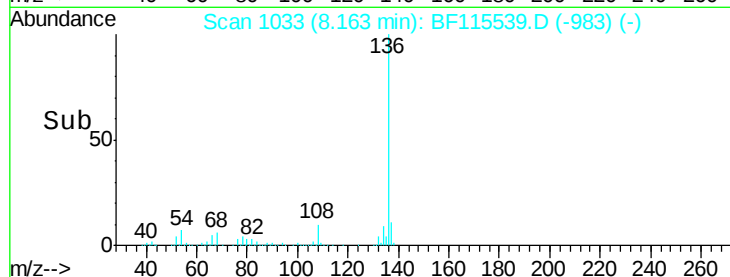


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.206 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

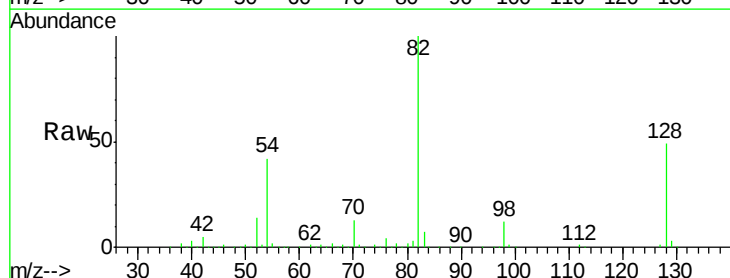
Tgt Ion: 82 Resp: 889338

Ion Ratio Lower Upper

82 100

128 49.3 38.6 57.8

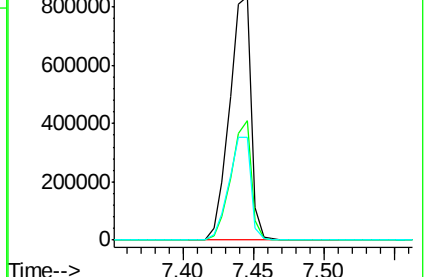
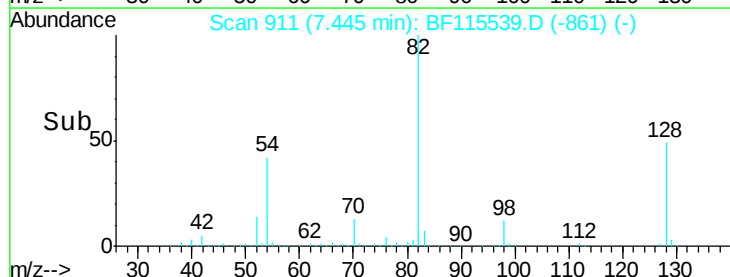
54 42.0 35.6 53.4

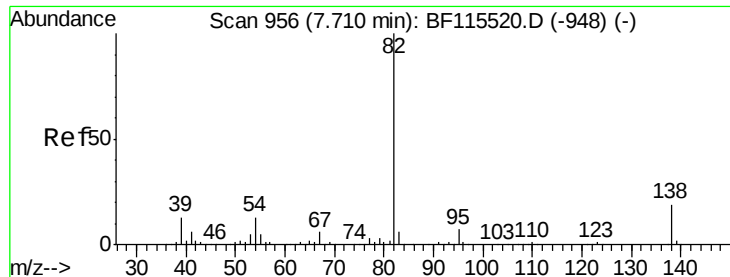


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.756 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

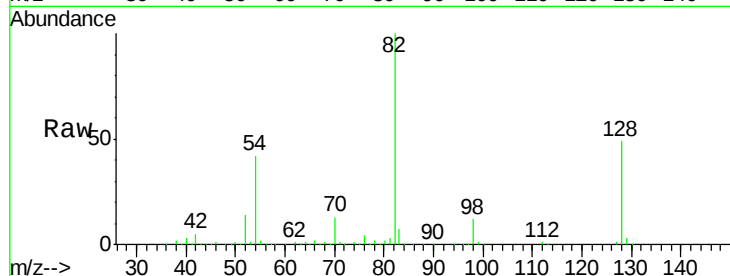
Tot Ion: 82 Resp: 883625

Ion Ratio Lower Upper

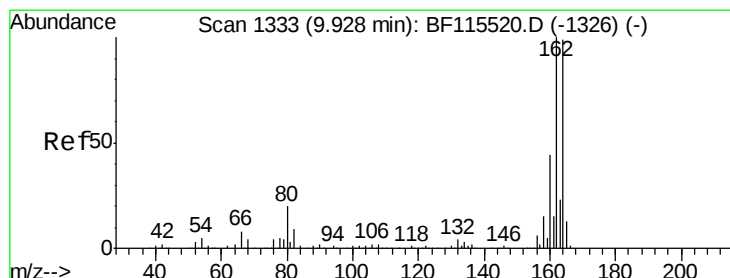
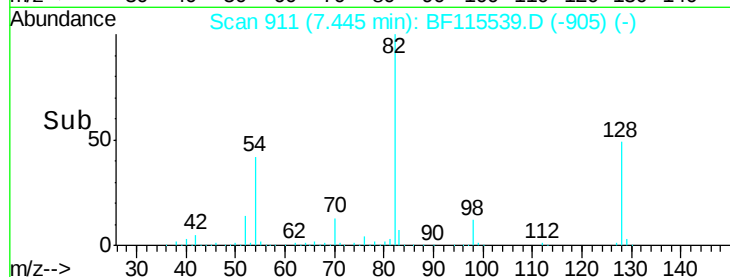
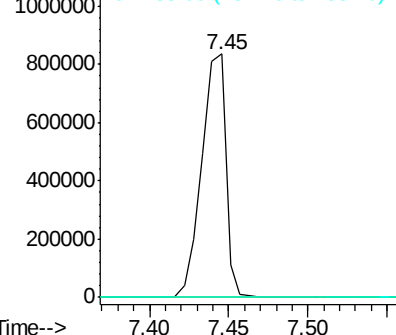
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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# 1332

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

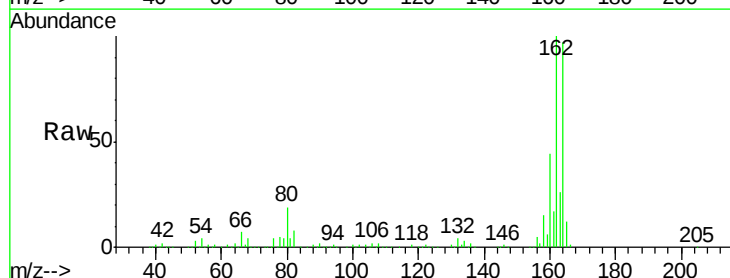
Tgt Ion:164 Resp: 225873

Ion Ratio Lower Upper

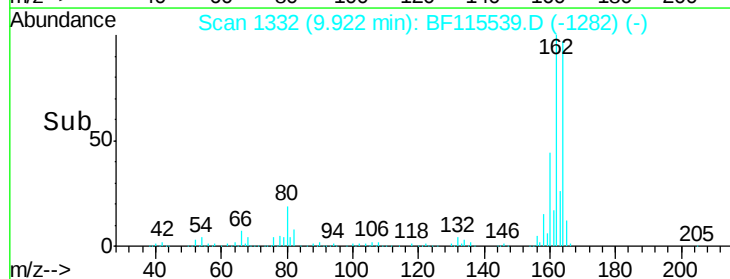
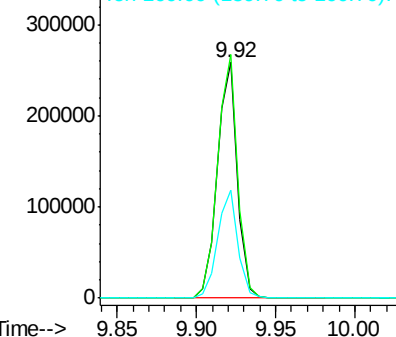
164 100

162 103.4 82.9 124.3

160 45.6 36.8 55.2



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

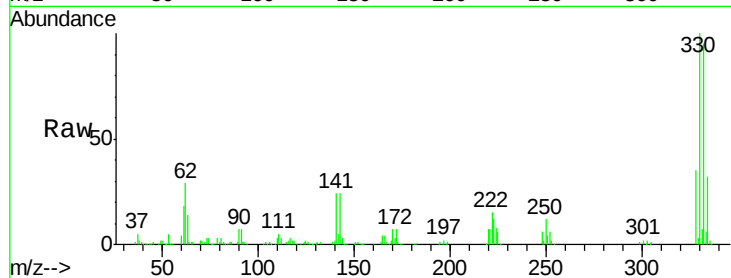




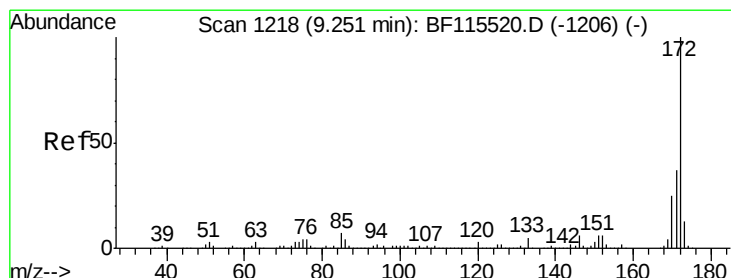
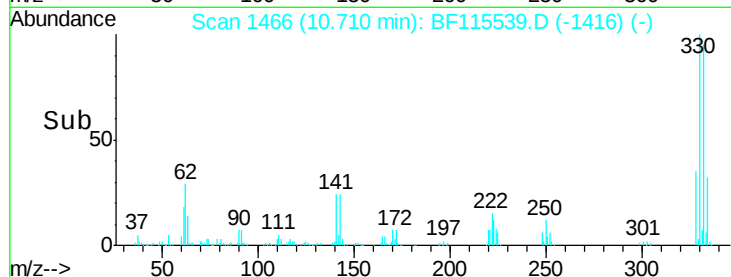
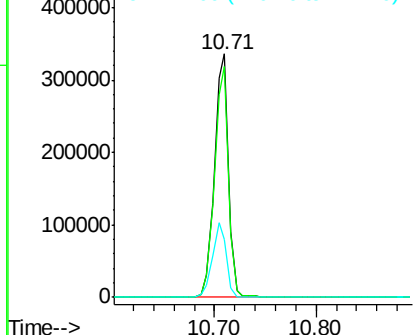
#42
 2,4,6-Tribromophenol
 Concen: 122.909 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115539.D
 Acq: 12 Jul 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 324048
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.4 116.2
 141 30.2 22.4 33.6

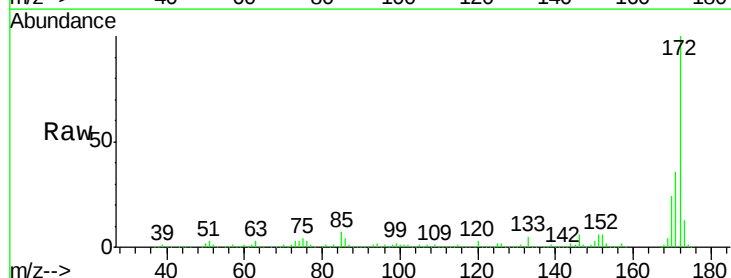


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

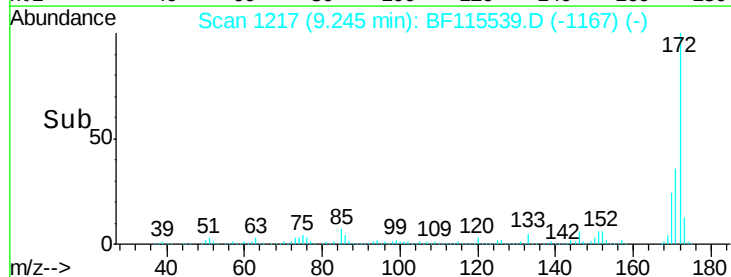
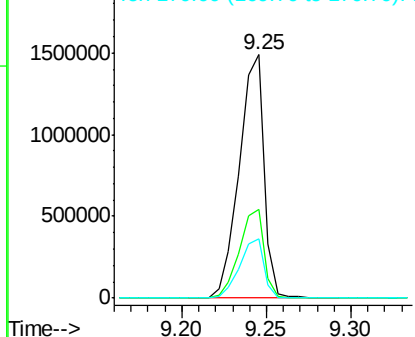


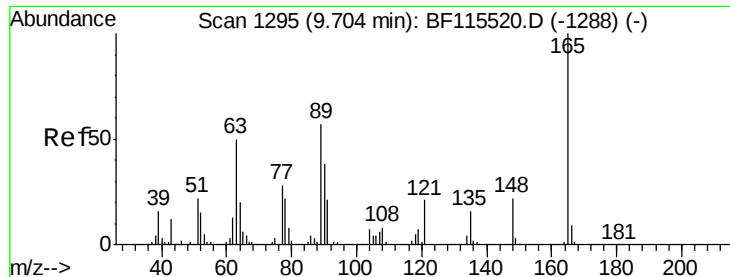
#45
 2-Fluorobiphenyl
 Concen: 118.660 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF115539.D
 Acq: 12 Jul 2019 21:05

Tgt Ion:172 Resp: 1531297
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.6 46.0
 170 24.4 20.5 30.7



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: 7.431 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

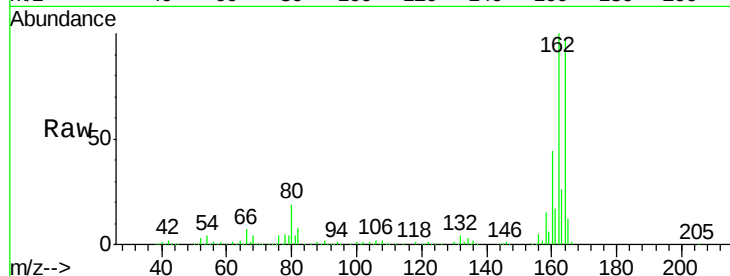
Tot Ion:165 Resp: 28697

Ion Ratio Lower Upper

165 100

63 1.4 40.6 61.0#

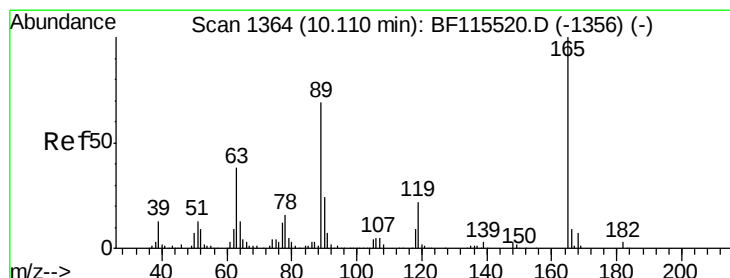
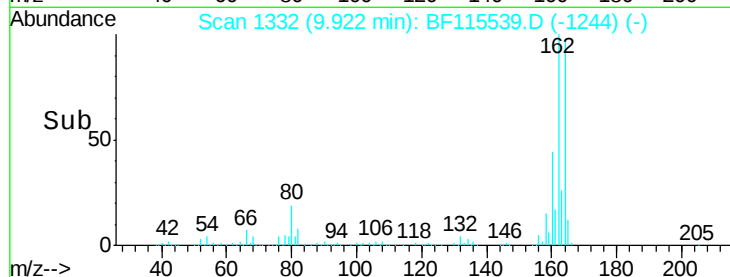
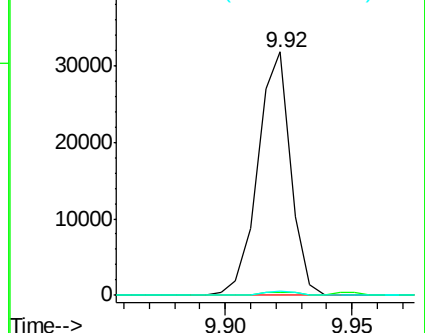
89 1.9 43.9 65.9#



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: 5.735 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Tgt Ion:165 Resp: 28697

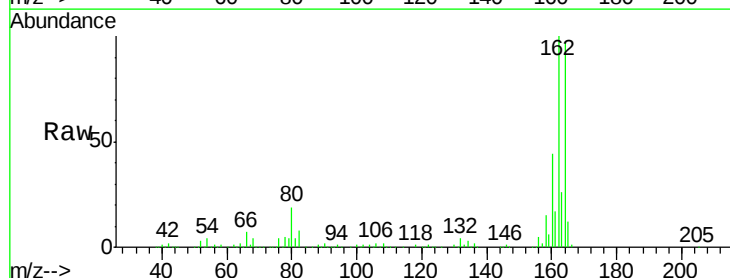
Ion Ratio Lower Upper

165 100

63 1.4 34.9 52.3#

89 1.9 57.5 86.3#

182 0.0 2.2 3.4#

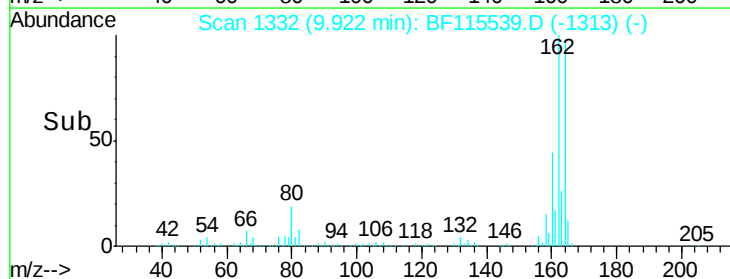
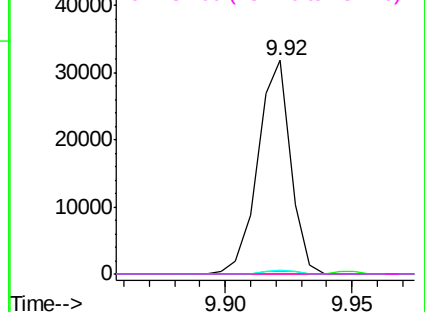


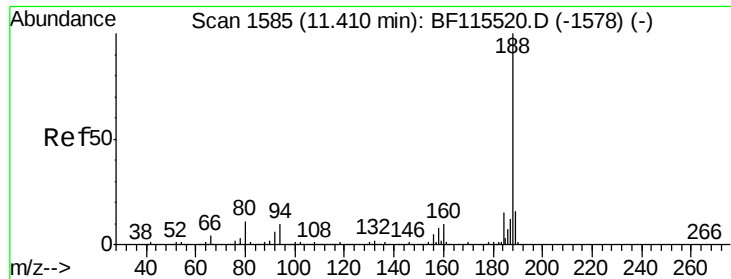
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1584

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

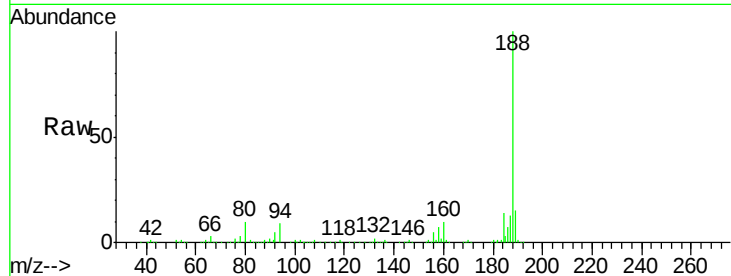
Tot Ion:188 Resp: 361157

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.6

80 10.4 8.6 13.0



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

11.40

400000

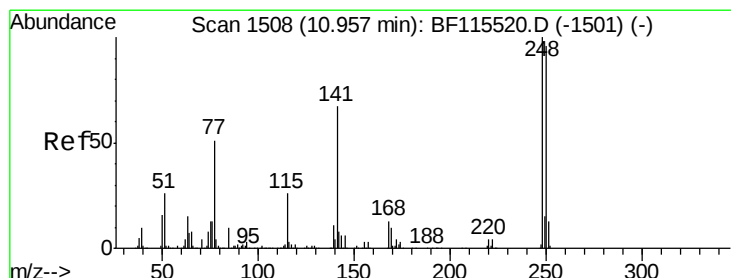
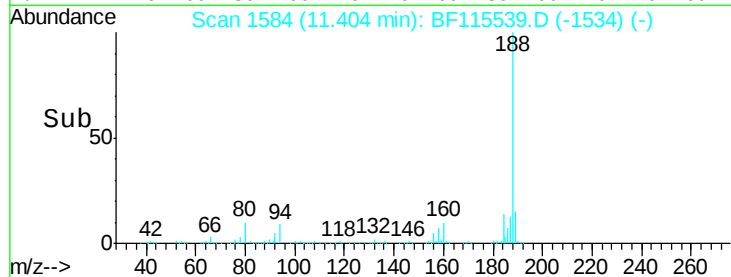
300000

200000

100000

0

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.834 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

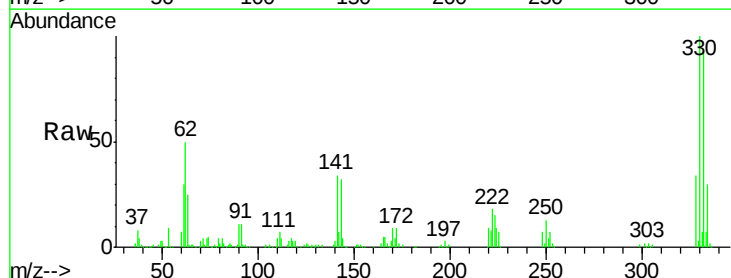
Tgt Ion:248 Resp: 19950

Ion Ratio Lower Upper

248 100

250 197.4 78.0 117.0#

141 520.9 57.7 86.5#



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

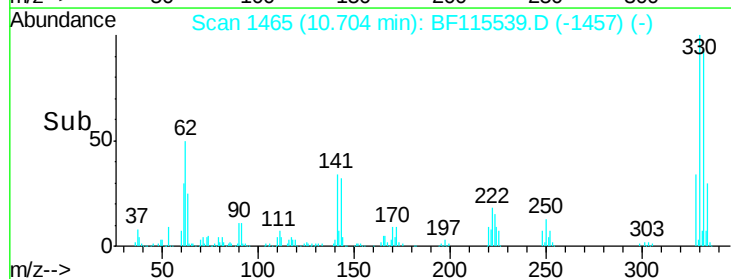
10.70

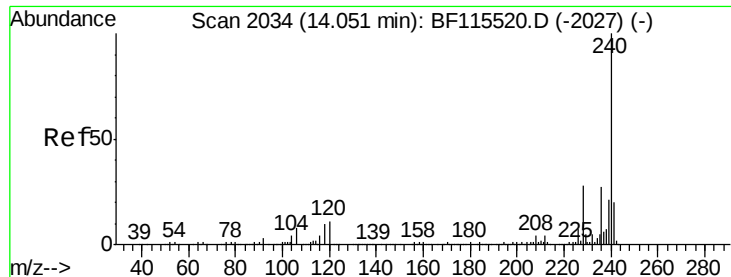
100000

50000

0

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

Instrument :

BNA_F

ClientSampleId :

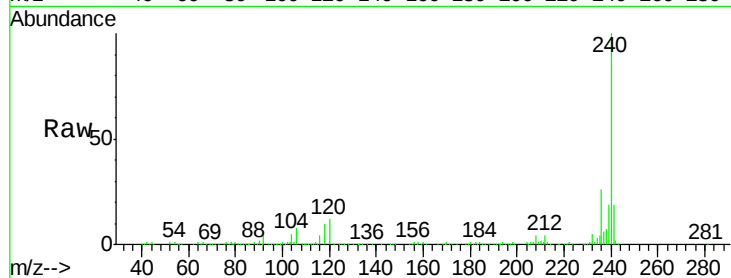
Tot Ion:240 Resp: 302933

Ion Ratio Lower Upper

240 100

120 12.2 8.6 13.0

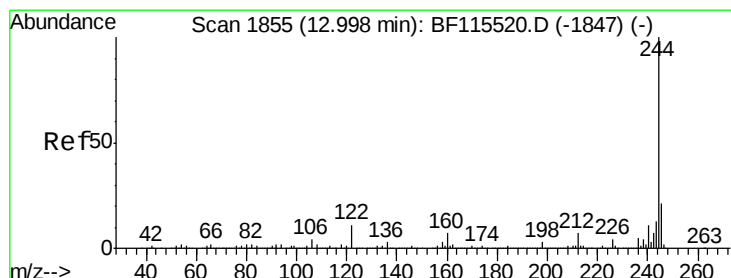
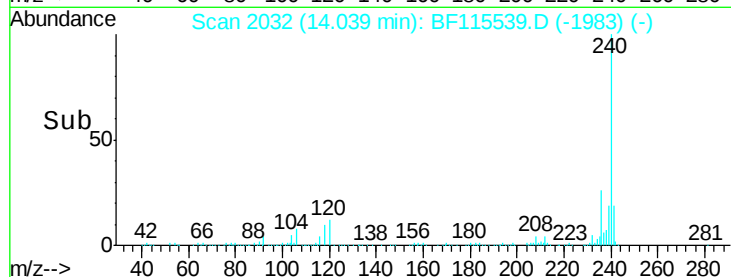
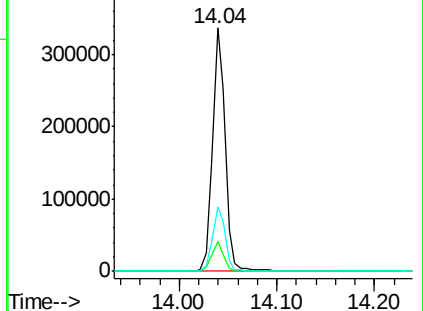
236 26.3 21.3 31.9



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: 83.708 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115539.D

Acq: 12 Jul 2019 21:05

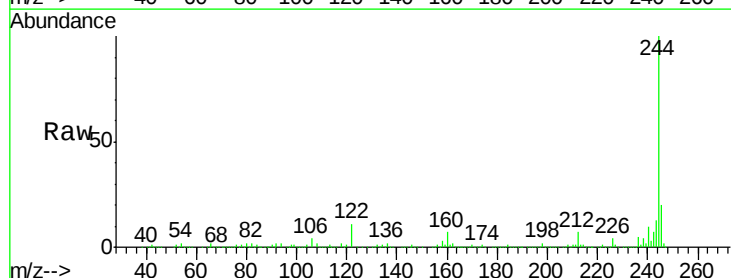
Tgt Ion:244 Resp: 1374282

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

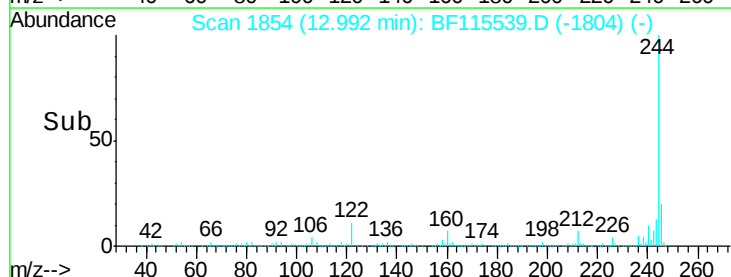
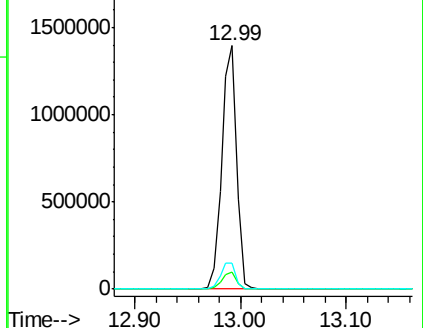
122 10.8 8.6 12.8

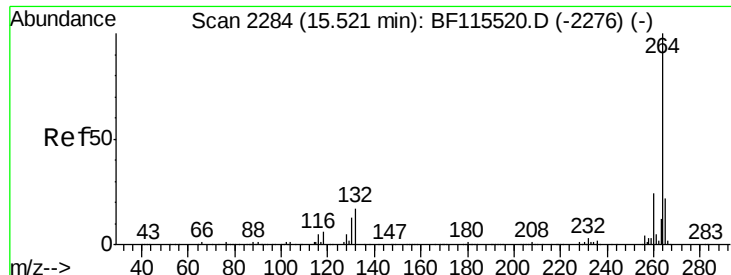


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

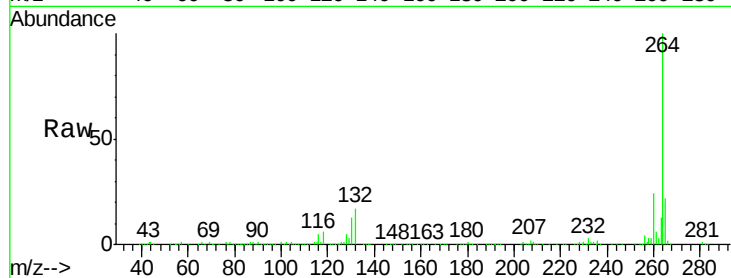




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF115539.D
 Acq: 12 Jul 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	22.2	17.7	26.5



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

