

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\
 Data File : BF114604.D
 Acq On : 25 May 2019 15:27
 Operator : JU/SJ
 Sample : PB119810BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 23:42:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

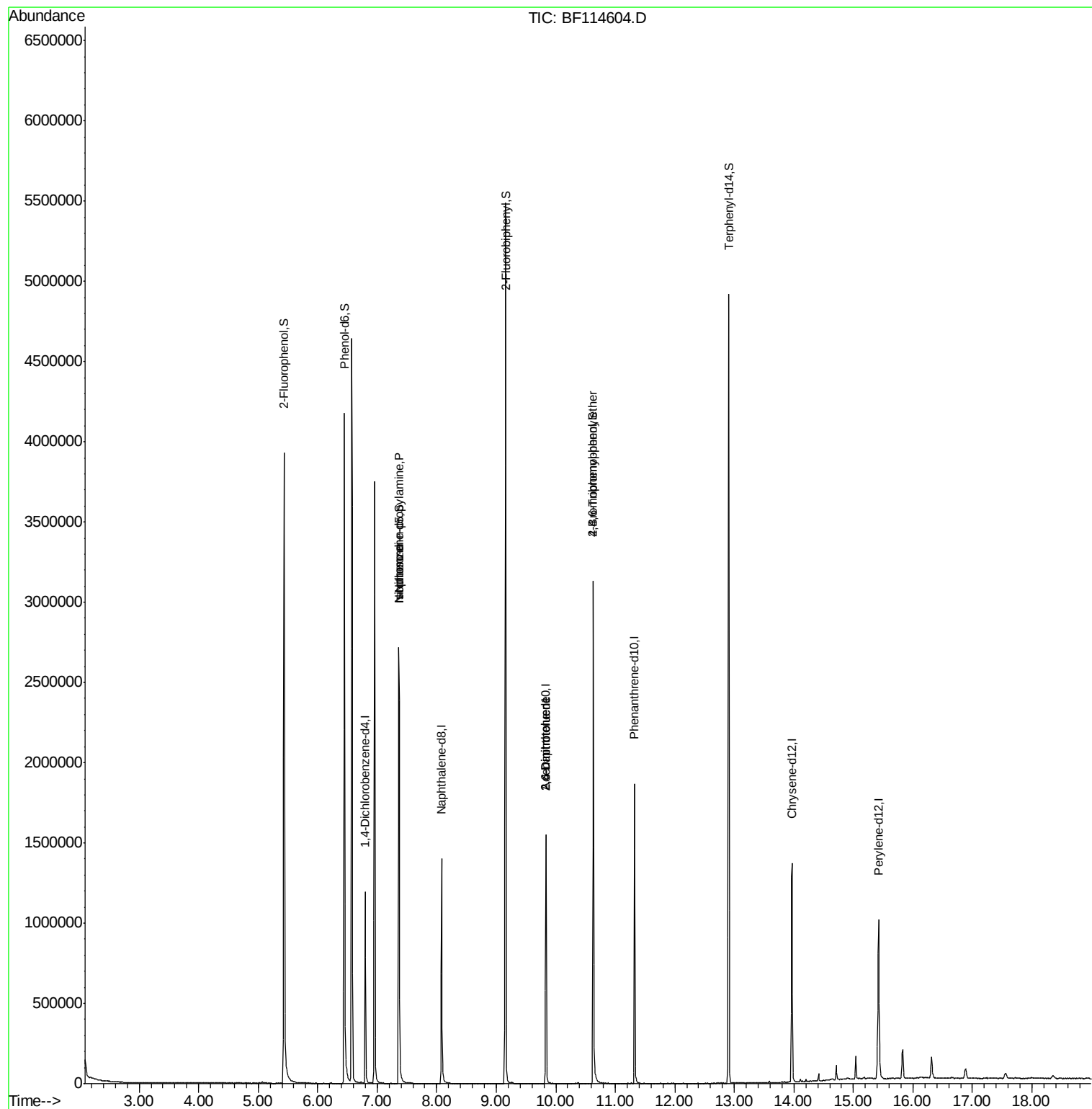
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	179863	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	690348	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	339027	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	690216	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	487847	20.00	ng	-0.02
87) Perylene-d12	15.42	264	473639	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1215809	108.78	ng	-0.01
7) Phenol-d6	6.45	99	1574621	119.12	ng	-0.01
23) Nitrobenzene-d5	7.36	82	973497	79.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	407032	116.13	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1808600	80.70	ng	-0.02
79) Terphenyl-d14	12.91	244	1874225	79.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	129859	15.498	ng	# 76
25) Isophorone	7.36	82	973490	42.671	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	41213	7.466	ng	# 21
57) 2,4-Dinitrotoluene	9.83	165	41213	5.501	ng	# 24
67) 4-Bromophenyl-phenylether	10.63	248	25641	3.374	ng	# 1

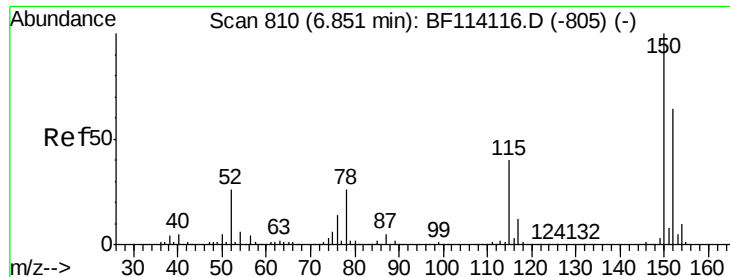
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 24 07:23:33 2019
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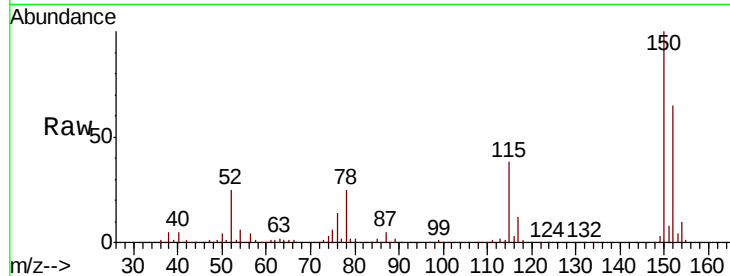


#1

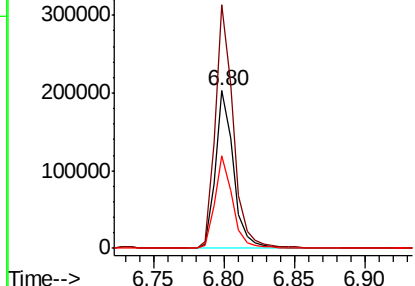
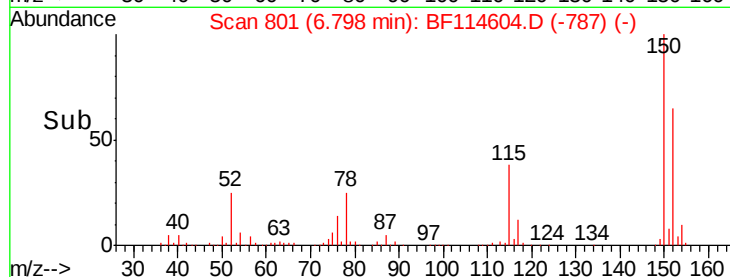
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF114604.D
 Acq: 25 May 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 179863
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.3 186.5
 115 59.2 49.1 73.7



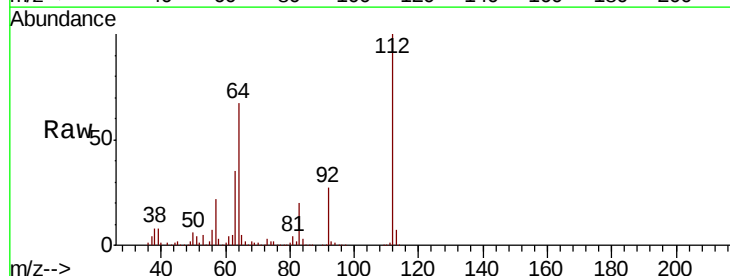
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



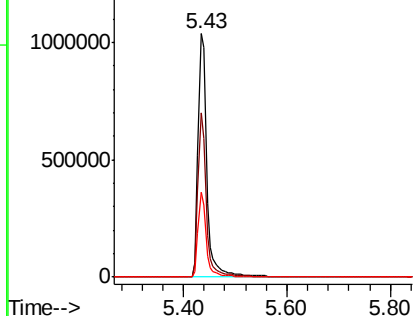
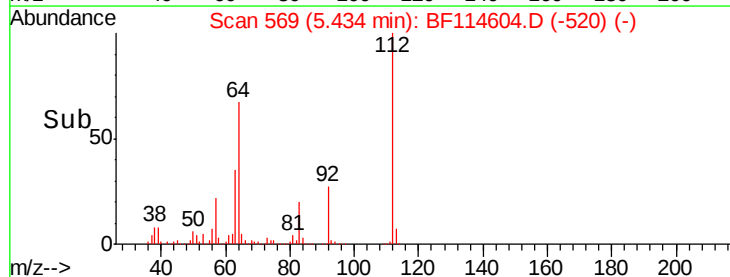
#5

2-Fluorophenol
 Concen: 108.780 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF114604.D
 Acq: 25 May 2019 15:27

Tgt Ion:112 Resp: 1215809
 Ion Ratio Lower Upper
 112 100
 64 67.3 49.0 73.6
 63 34.7 24.6 37.0



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: 119.117 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Instrument :

BNA_F

ClientSampleId :

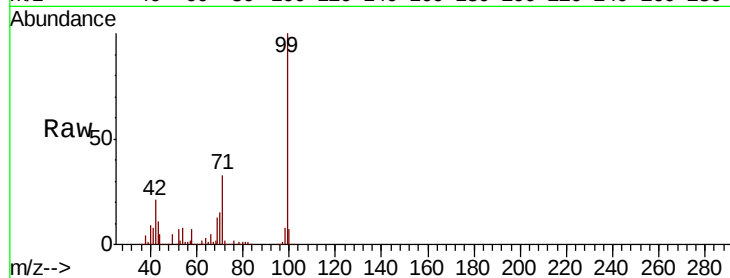
Tot Ion: 99 Resp: 1574621

Ion Ratio Lower Upper

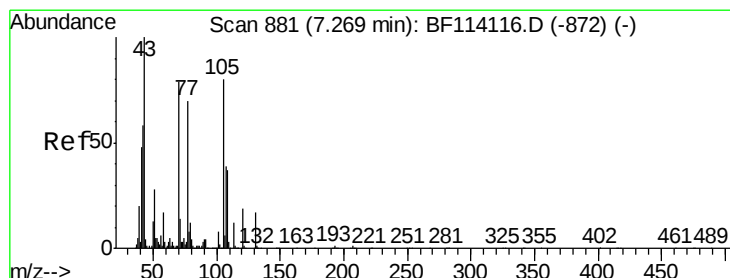
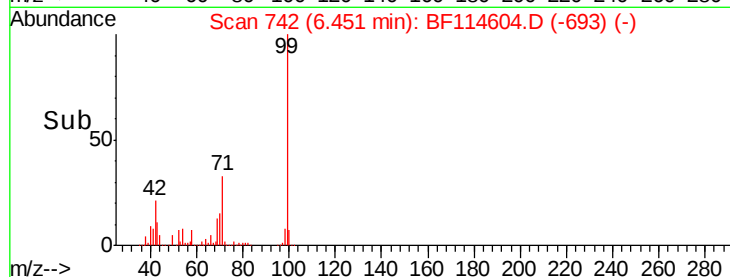
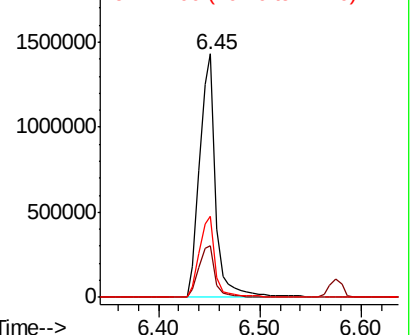
99 100

42 21.4 17.9 26.9

71 33.5 26.2 39.2



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: 15.498 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Tgt Ion: 70 Resp: 129859

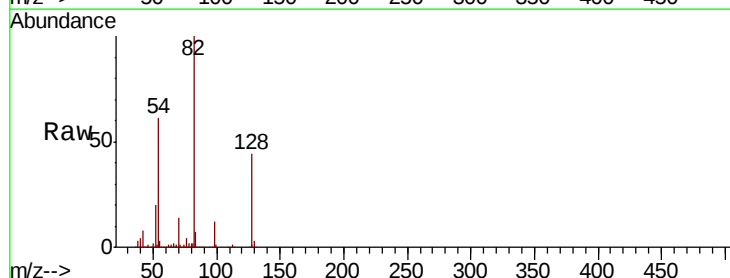
Ion Ratio Lower Upper

70 100

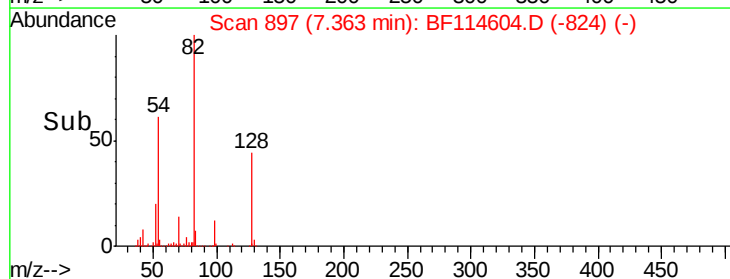
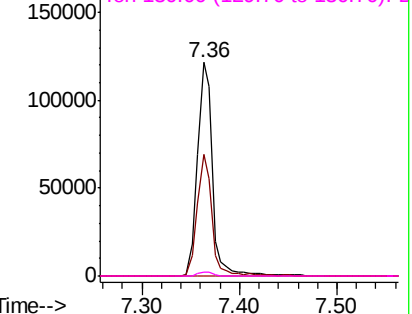
42 57.2 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#



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: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 690348

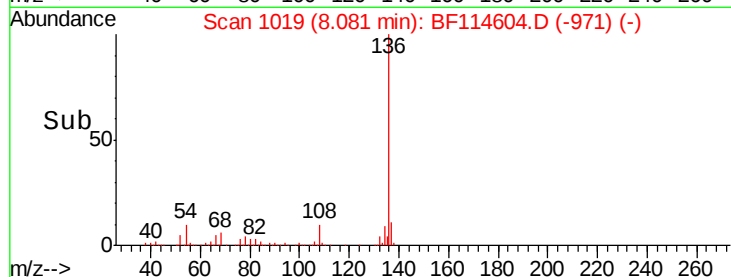
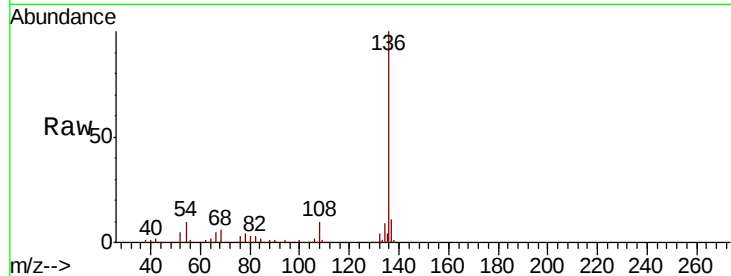
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.6 7.8 11.8

68 5.6 5.1 7.7

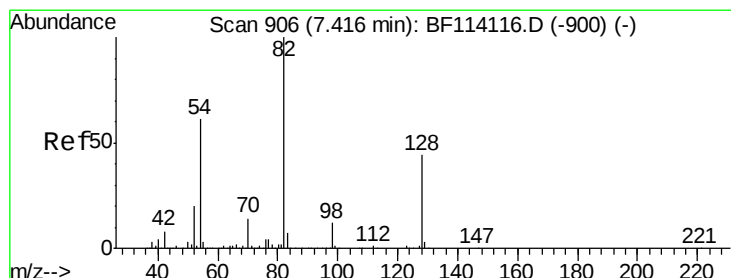
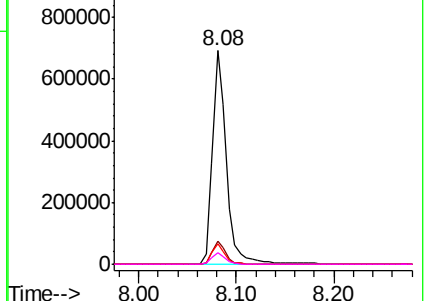


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.138 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

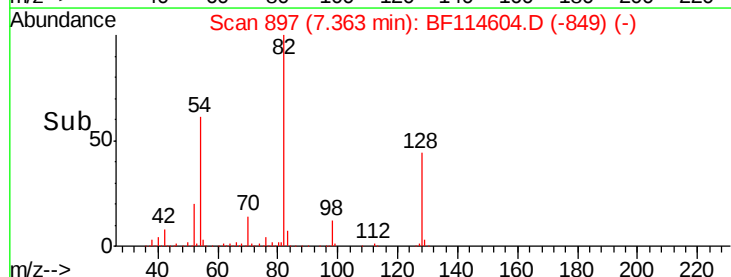
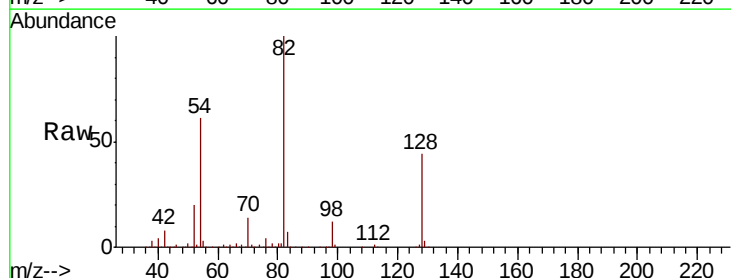
Tgt Ion: 82 Resp: 973497

Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

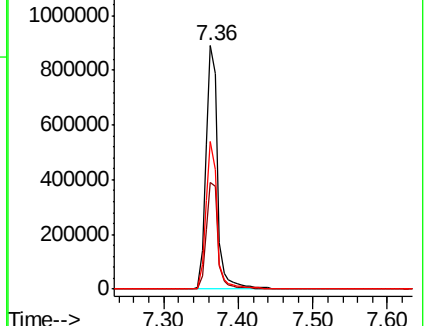
54 60.8 48.5 72.7



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: 42.671 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Instrument :

BNA_F

ClientSampleId :

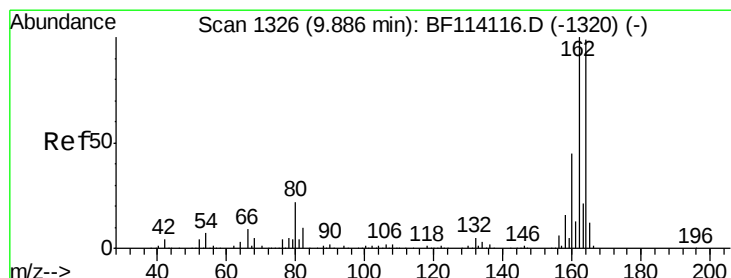
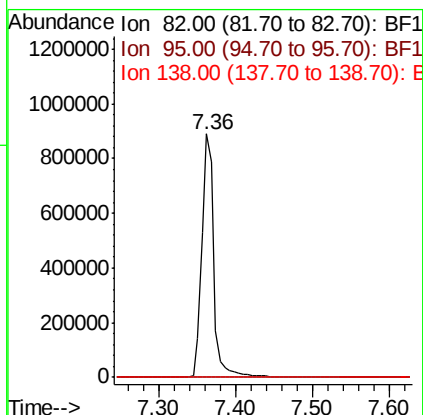
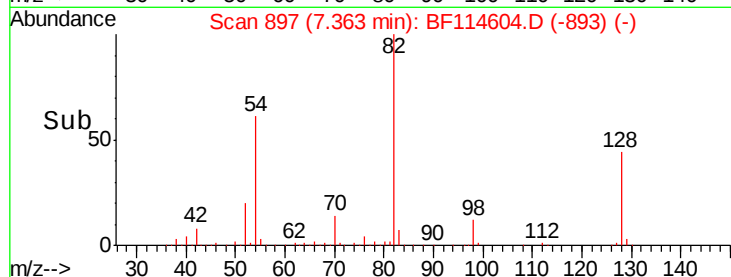
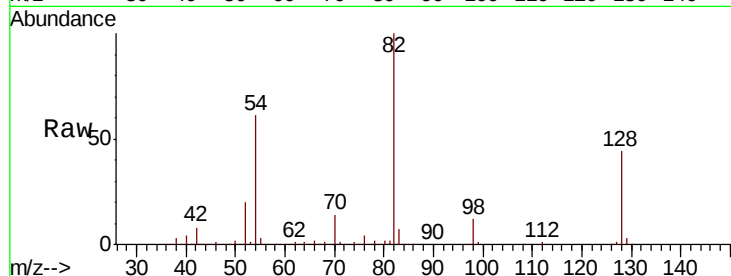
Tot Ion: 82 Resp: 973490

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

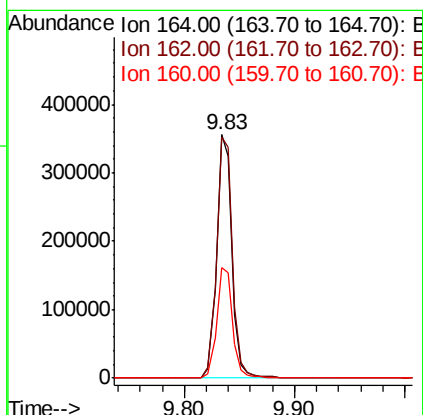
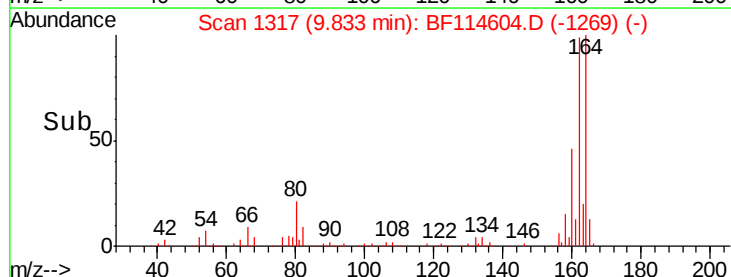
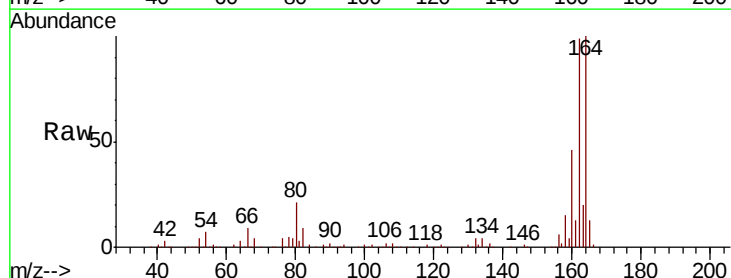
Tgt Ion: 164 Resp: 339027

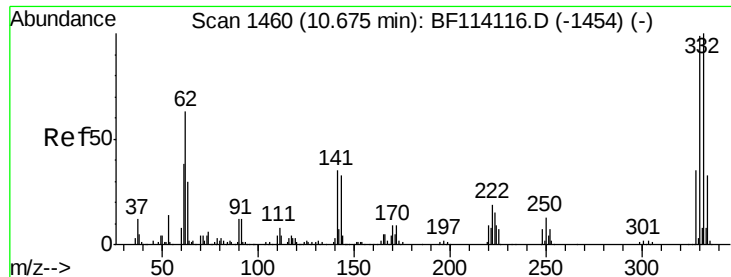
Ion Ratio Lower Upper

164 100

162 99.2 80.6 120.8

160 45.5 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 116.130 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Instrument :

BNA_F

ClientSampleId :

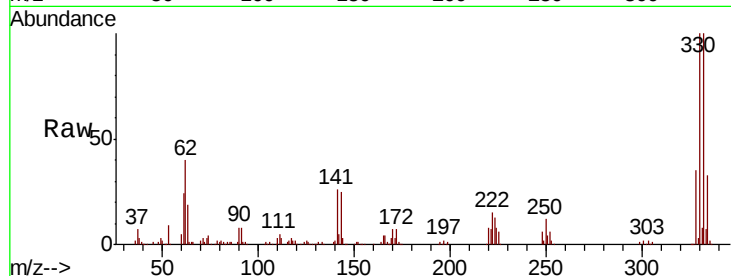
Tot Ion:330 Resp: 407032

Ion Ratio Lower Upper

330 100

332 101.0 81.4 122.2

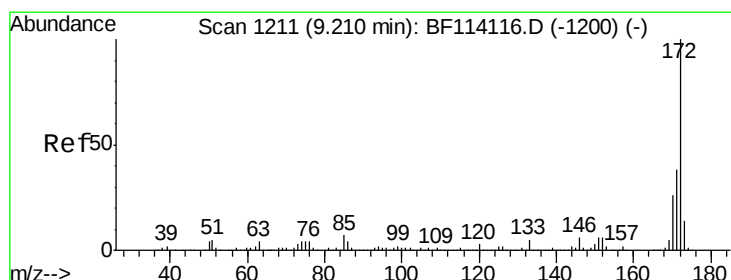
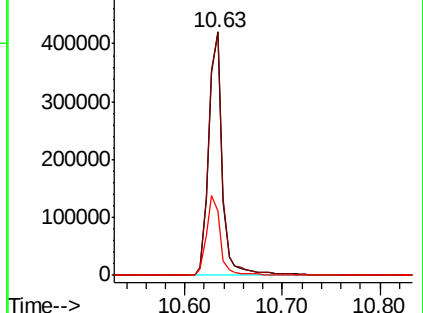
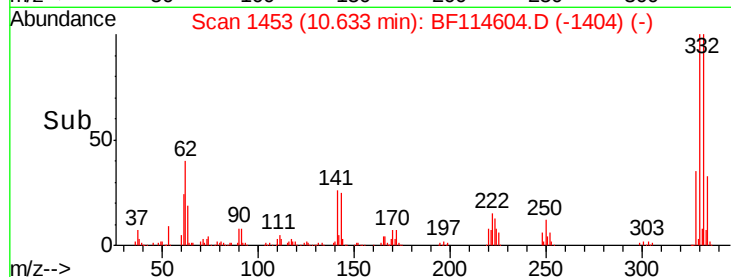
141 33.6 26.6 40.0



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: 80.696 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

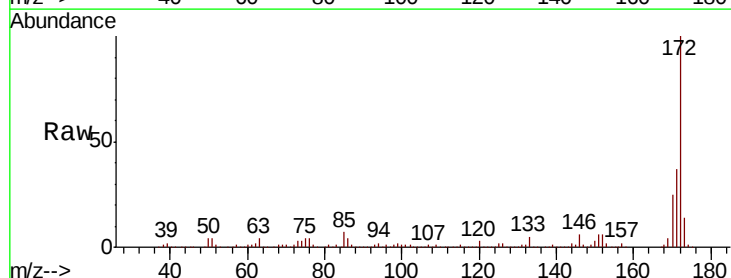
Tgt Ion:172 Resp: 1808600

Ion Ratio Lower Upper

172 100

171 36.7 30.7 46.1

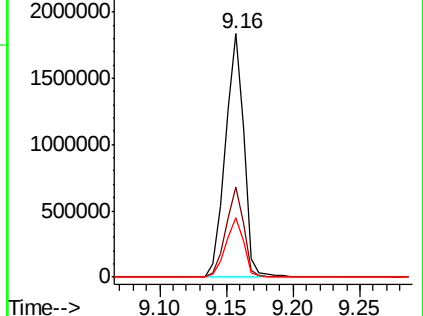
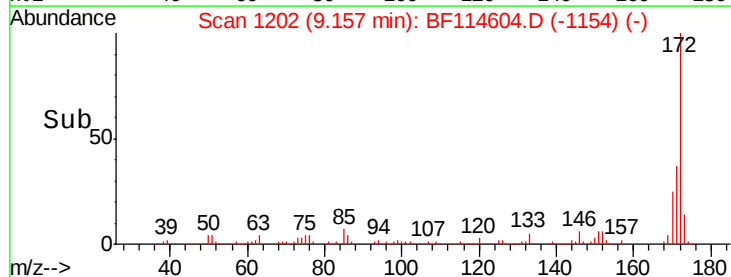
170 24.6 20.5 30.7

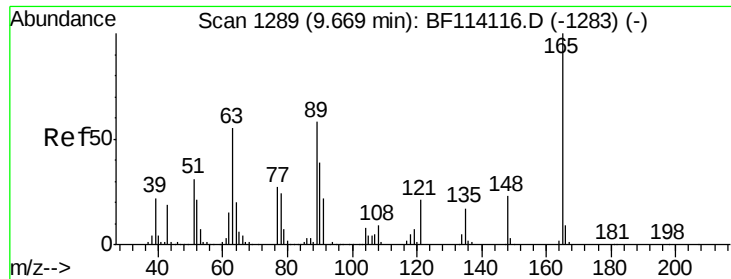


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.466 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.19 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Instrument :

BNA_F

ClientSampleId :

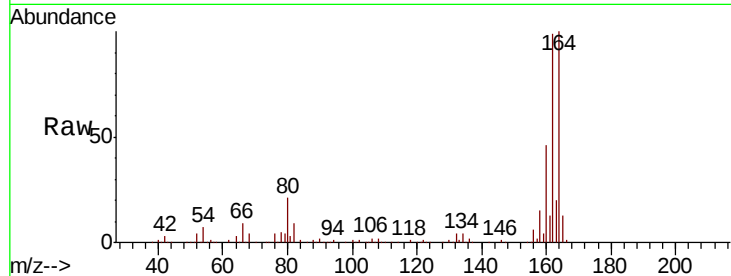
Tot Ion:165 Resp: 41213

Ion Ratio Lower Upper

165 100

63 0.0 50.2 75.4#

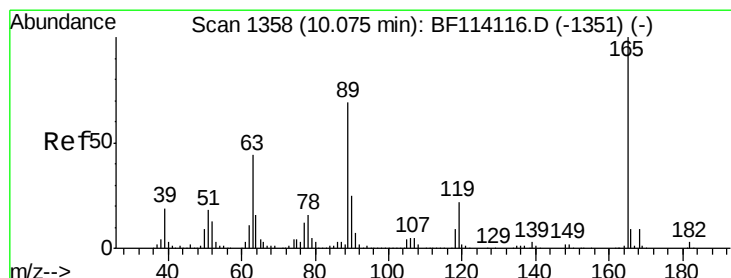
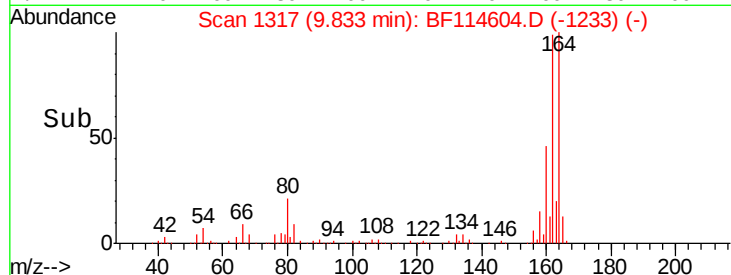
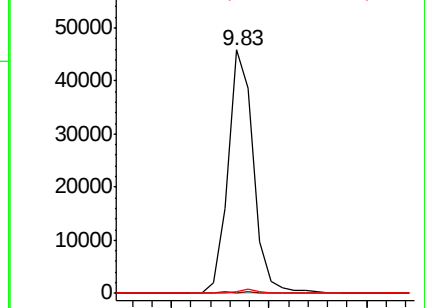
89 0.9 46.6 69.8#



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: 5.501 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Tgt Ion:165 Resp: 41213

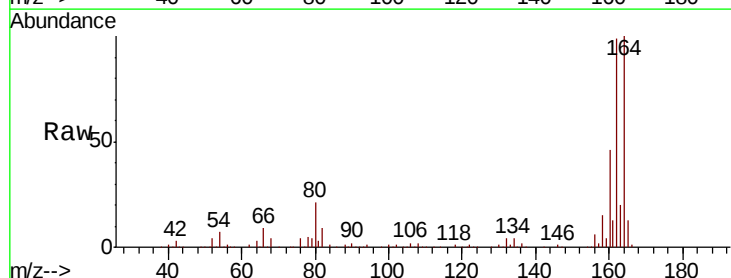
Ion Ratio Lower Upper

165 100

63 0.0 35.5 53.3#

89 0.9 55.2 82.8#

182 0.0 2.2 3.2#

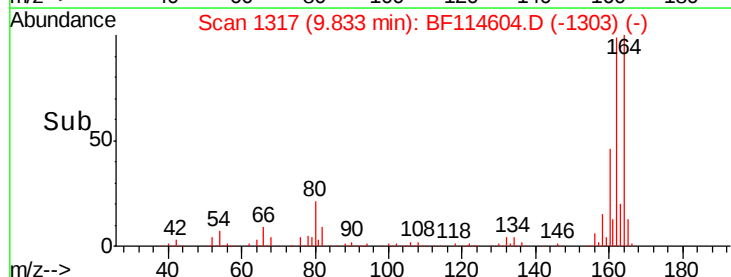
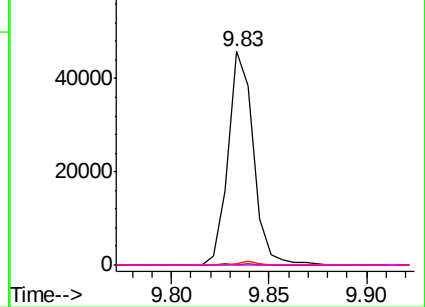


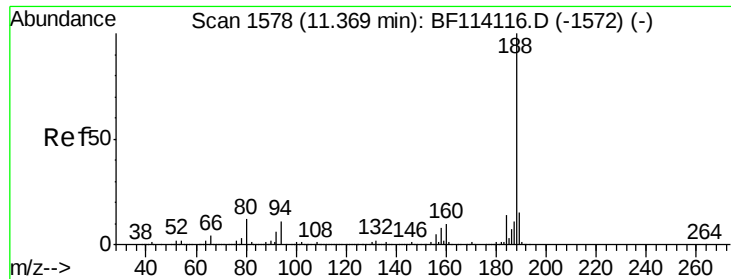
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

Instrument :

BNA_F

ClientSampleId :

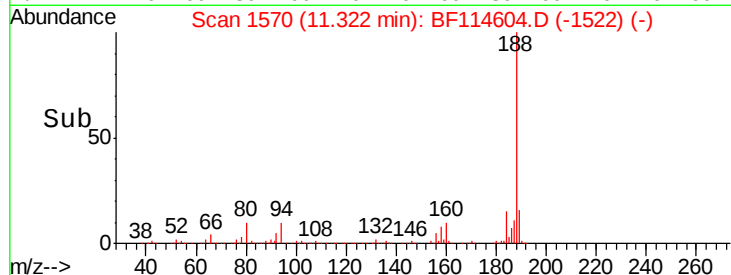
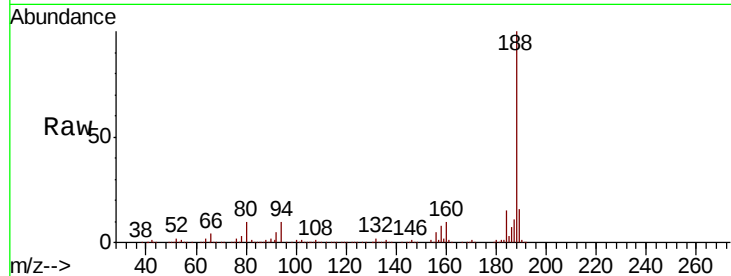
Tot Ion:188 Resp: 690216

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.4	12.6
80	10.3	9.2	13.8

188 100

94 9.9 8.4 12.6

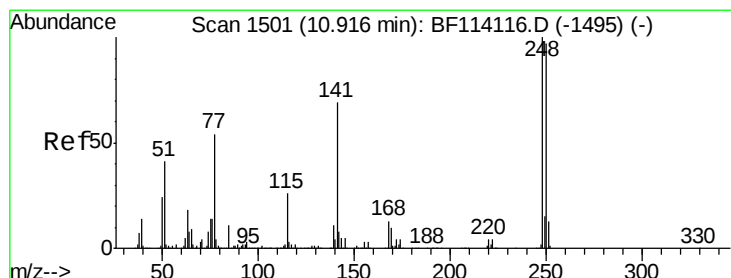
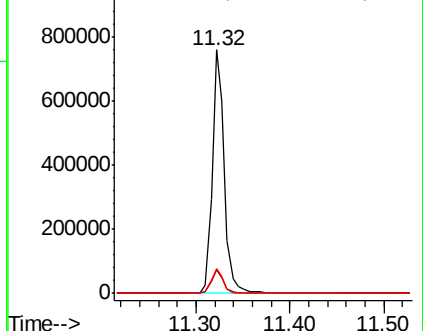
80 10.3 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.374 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF114604.D

Acq: 25 May 2019 15:27

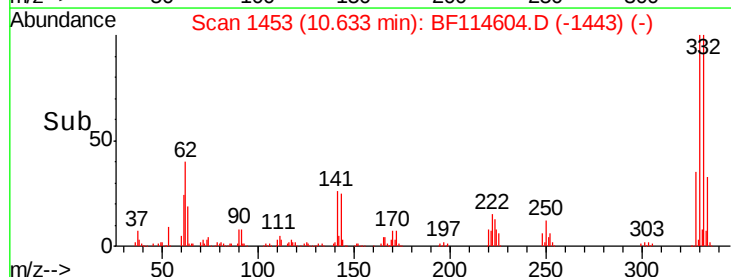
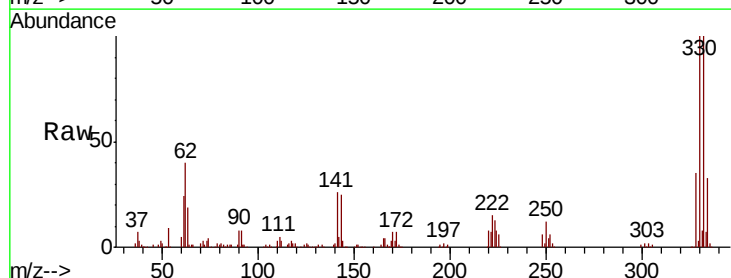
Tgt Ion:248 Resp: 25641

Ion	Ratio	Lower	Upper
248	100		
250	200.9	77.4	116.2#
141	444.0	55.6	83.4#

248 100

250 200.9 77.4 116.2#

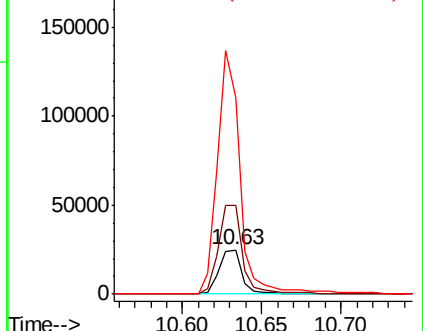
141 444.0 55.6 83.4#

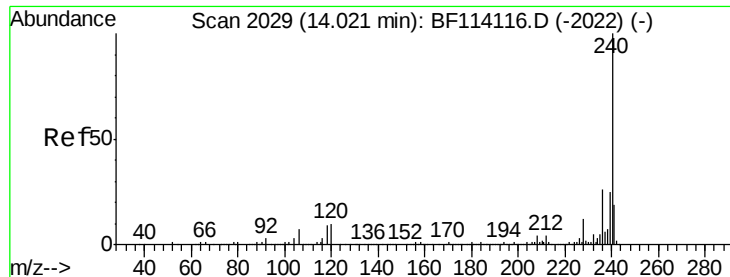


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

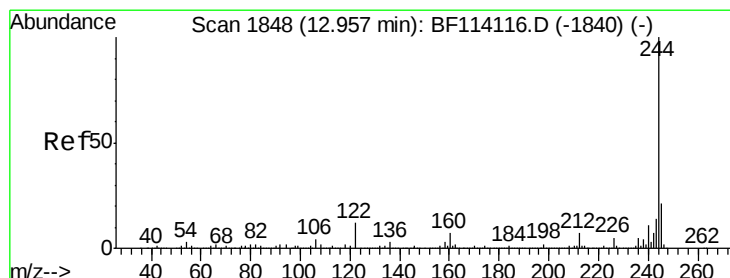
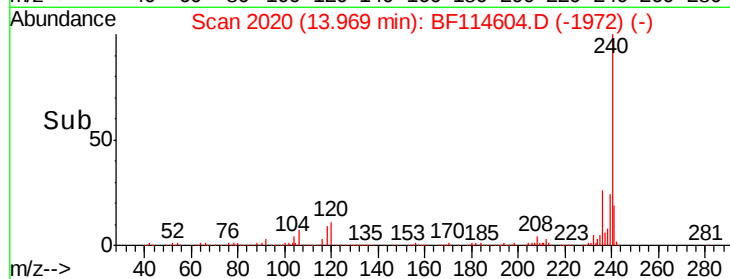
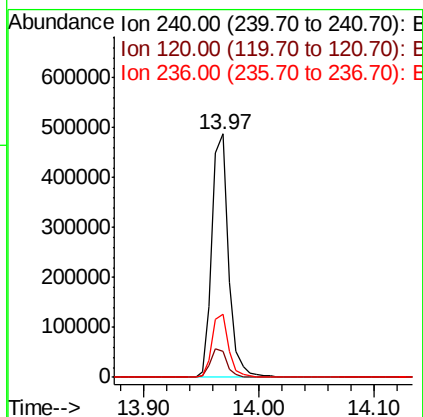
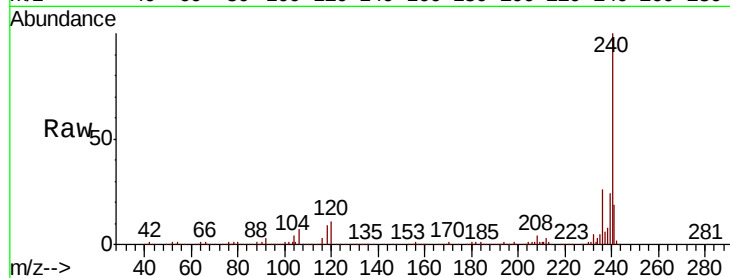




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF114604.D
 Acq: 25 May 2019 15:27

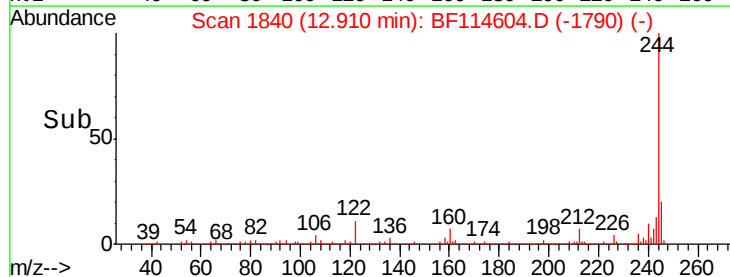
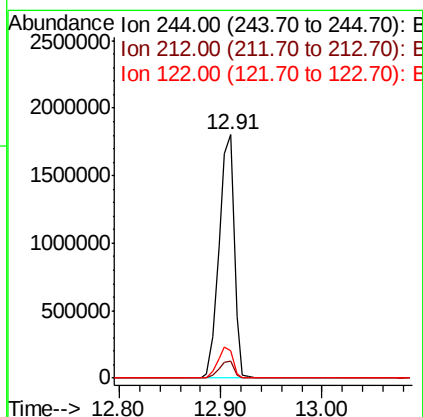
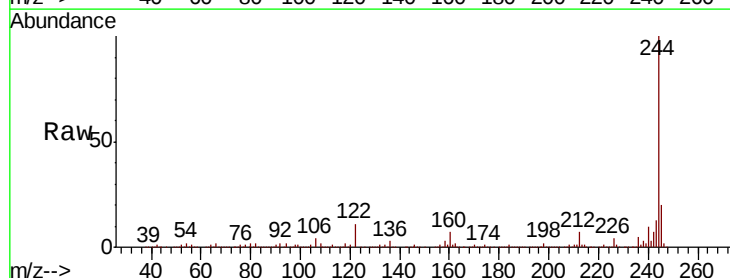
Instrument :
 BNA_F
 ClientSampleId :

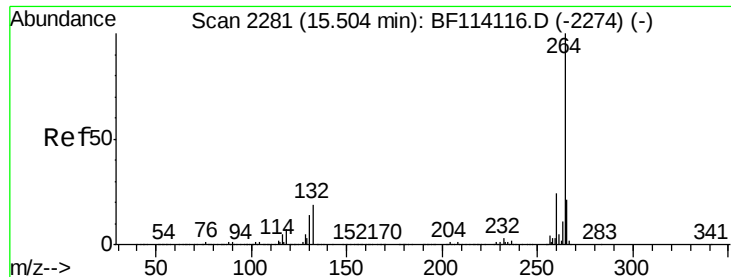
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	26.0	20.8	31.2



#79
 Terphenyl-d14
 Concen: 79.197 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF114604.D
 Acq: 25 May 2019 15:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	11.2	9.4	14.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.03 min
 Lab File: BF114604.D
 Acq: 25 May 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.9	16.9	25.3

