

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114395.D
 Acq On : 18 May 2019 17:04
 Operator : JU/SJ
 Sample : K2869-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:10:35 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 10 15:56:46 2019
 Response via : Initial Calibration

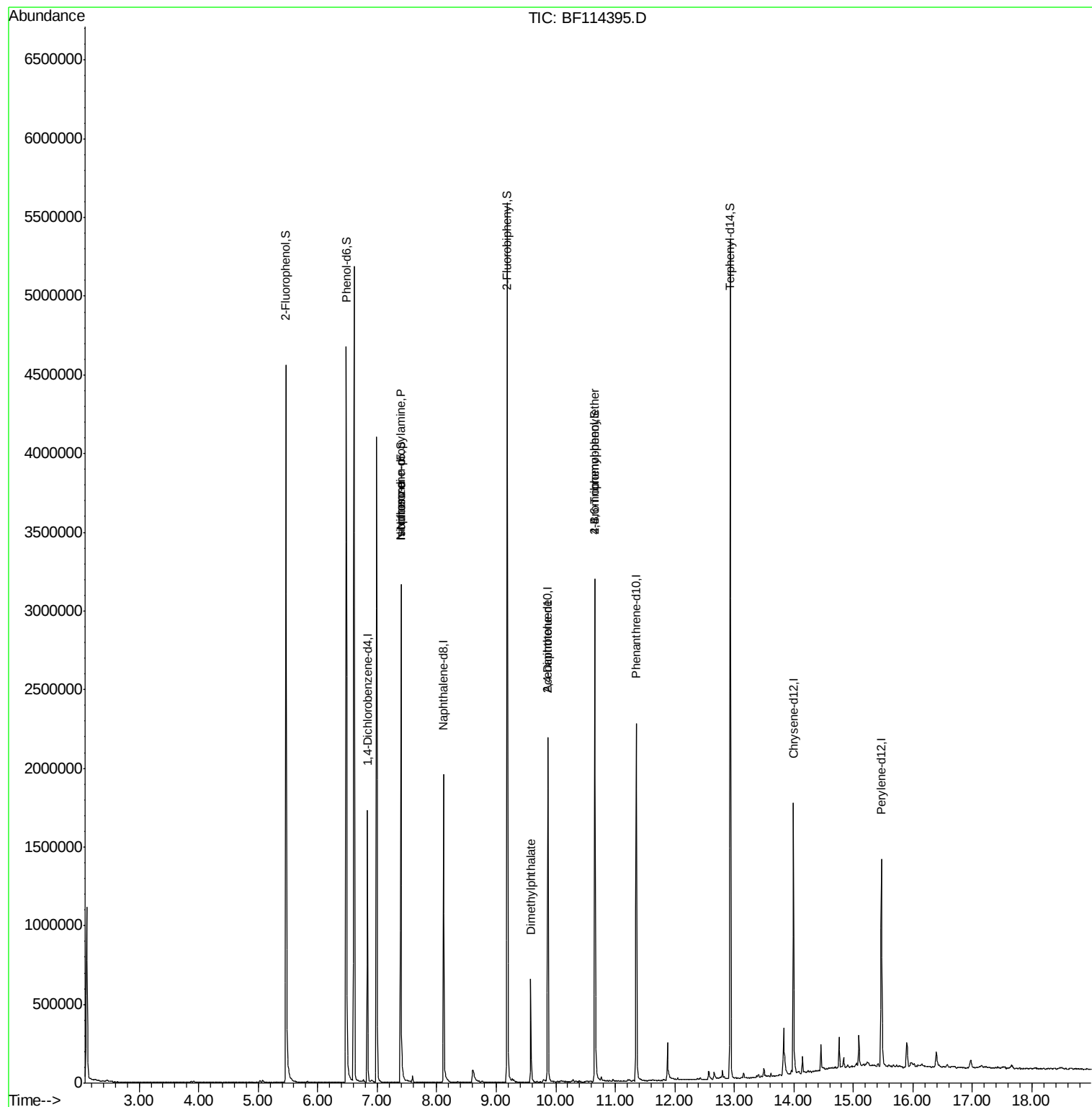
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	247835	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	937446	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	440130	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	895996	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	606457	20.00	ng	-0.03
87) Perylene-d12	15.47	264	581862	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1302918	84.60	ng	-0.01
7) Phenol-d6	6.48	99	1691888	92.89	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1028329	61.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	390395	85.80	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1820652	62.57	ng	-0.02
79) Terphenyl-d14	12.93	244	1851210	62.93	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	139552	12.087	ng	# 75
25) Isophorone	7.40	82	1028316	33.193	ng	# 64
50) Dimethylphthalate	9.58	163	285911	8.849	ng	100
57) 2,4-Dinitrotoluene	9.87	165	56281	5.786	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	25418	2.577	ng	# 1

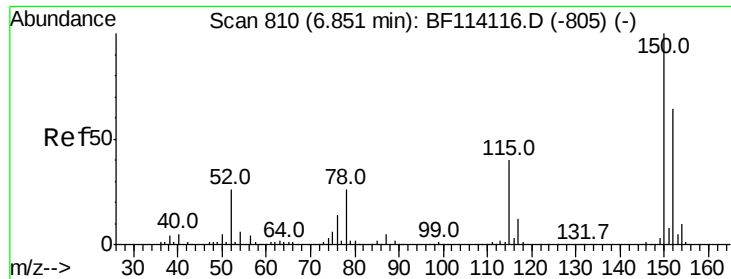
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 10 15:56:46 2019
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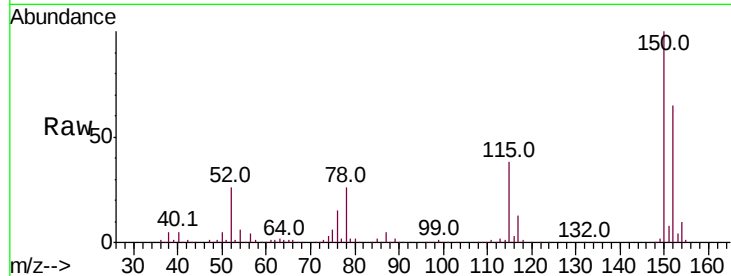


#1

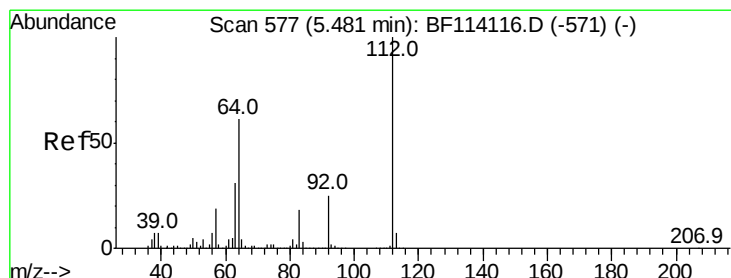
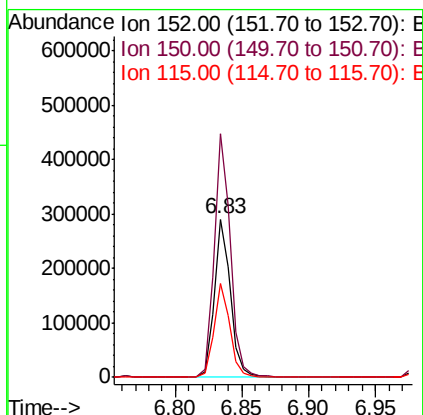
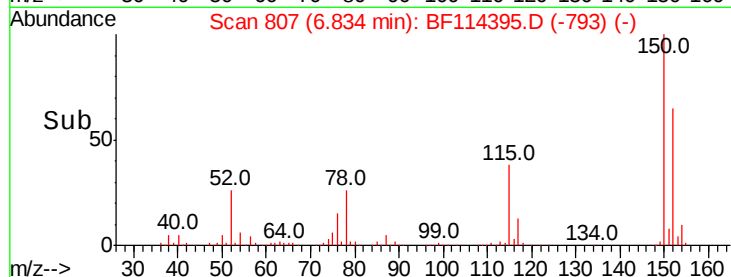
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114395.D
Acq: 18 May 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	58.9	49.1	73.7



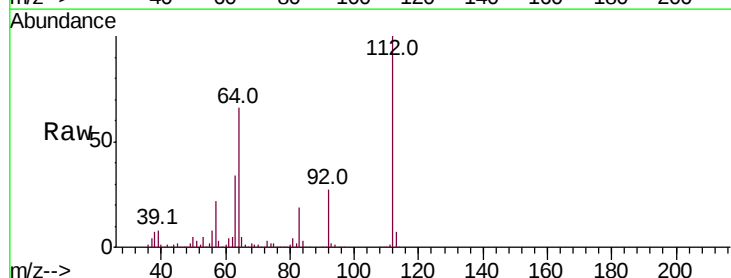
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



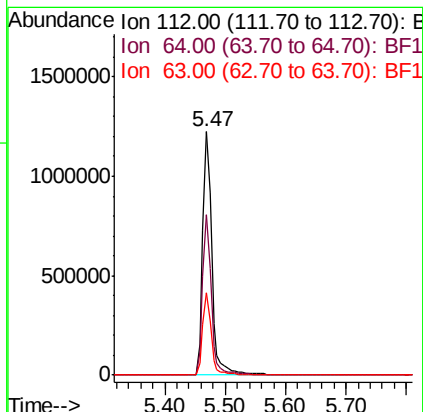
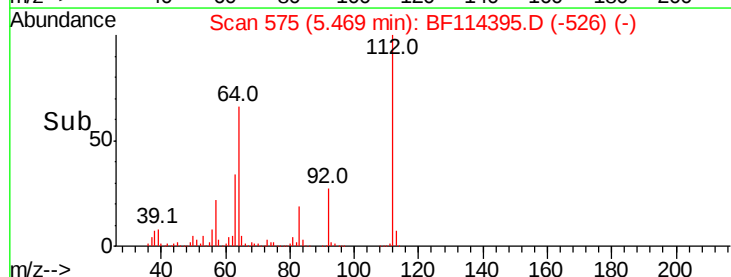
#5

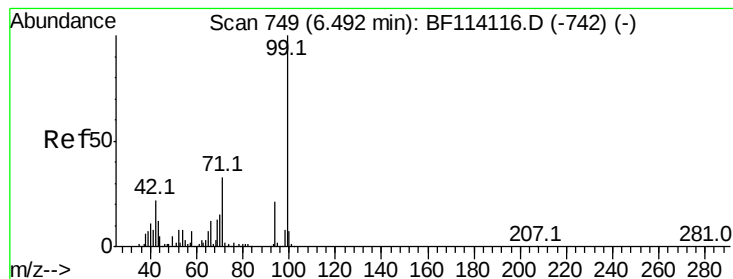
2-Fluorophenol
Concen: 84.602 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF114395.D
Acq: 18 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	49.0	73.6
63	33.9	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: 92.886 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Instrument :

BNA_F

ClientSampleId :

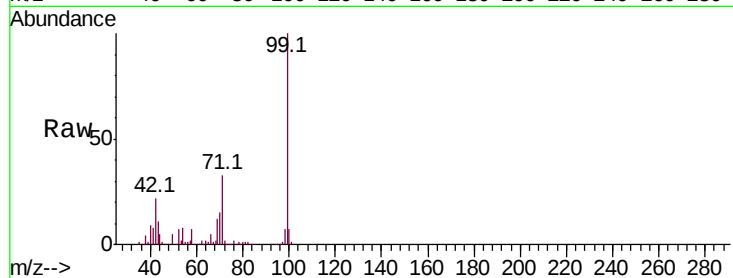
Tot Ion: 99 Resp: 1691888

Ion Ratio Lower Upper

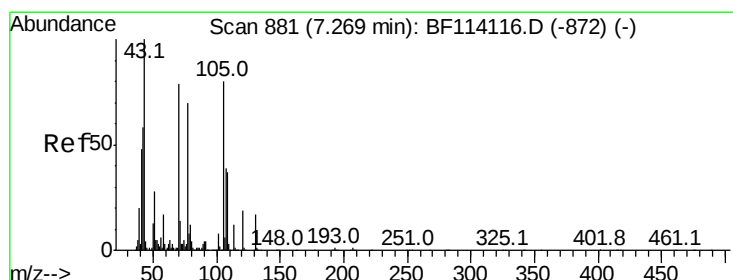
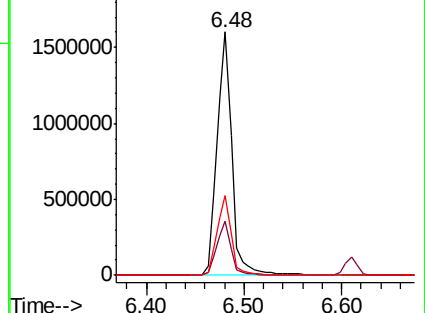
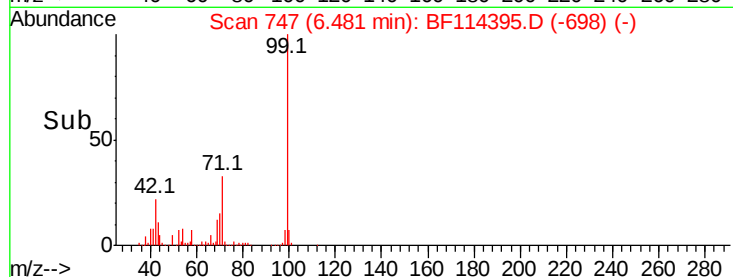
99 100

42 22.3 17.9 26.9

71 32.6 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: 12.087 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Tgt Ion: 70 Resp: 139552

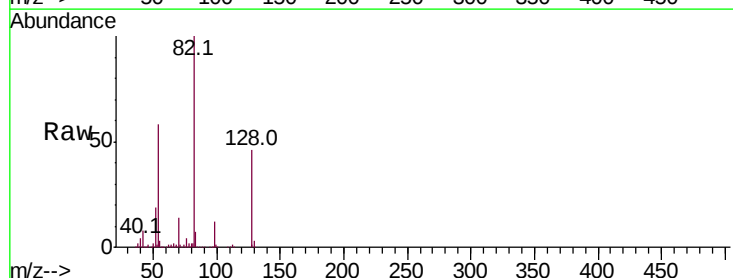
Ion Ratio Lower Upper

70 100

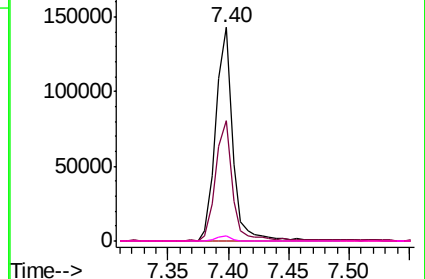
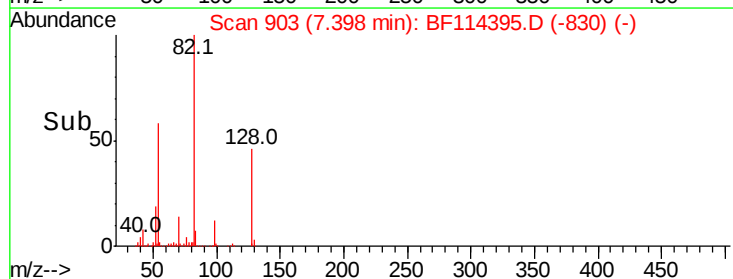
42 56.4 58.6 87.8#

101 0.0 7.8 11.8#

130 2.2 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: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 937446

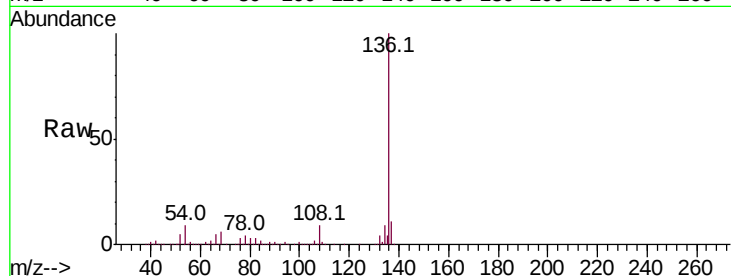
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.4 7.8 11.8

68 6.2 5.1 7.7

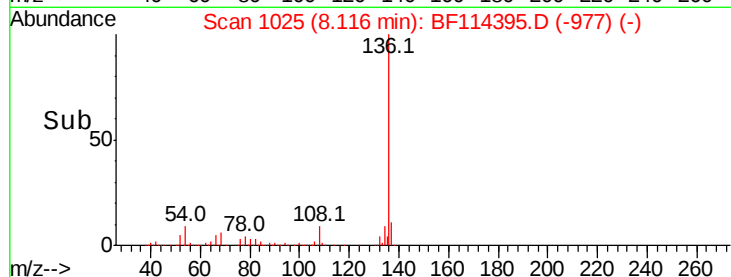


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

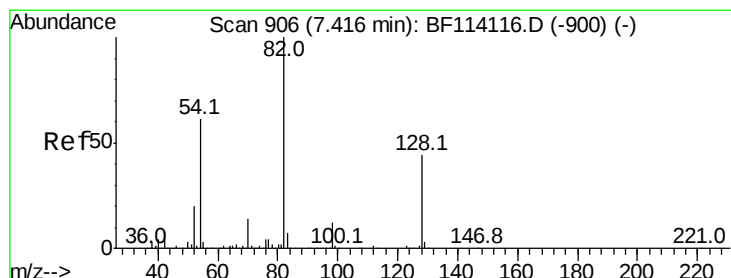
8.12

1000000

500000

0

Time--> 8.00 8.10 8.20 8.30



#23

Nitrobenzene-d5

Concen: 61.561 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

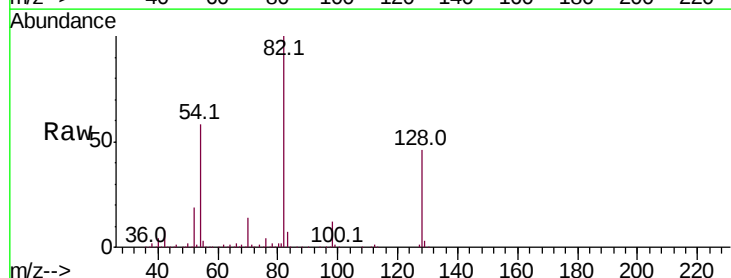
Tgt Ion: 82 Resp: 1028329

Ion Ratio Lower Upper

82 100

128 45.6 35.5 53.3

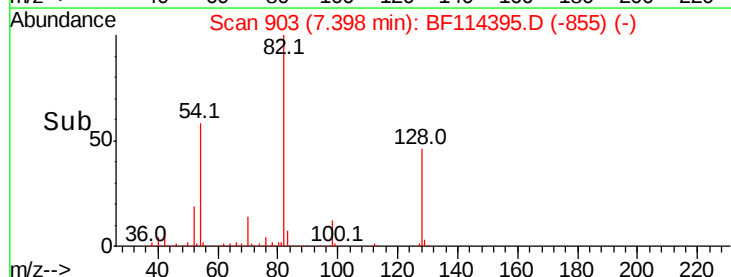
54 58.0 48.5 72.7



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



Abundance

7.40

1000000

500000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#25

Isophorone

Concen: 33.193 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Instrument :

BNA_F

ClientSampleId :

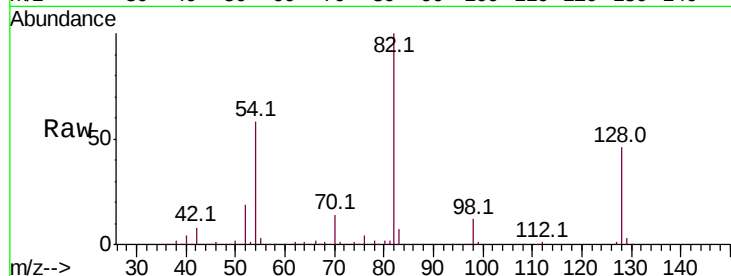
Tot Ion: 82 Resp: 1028316

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

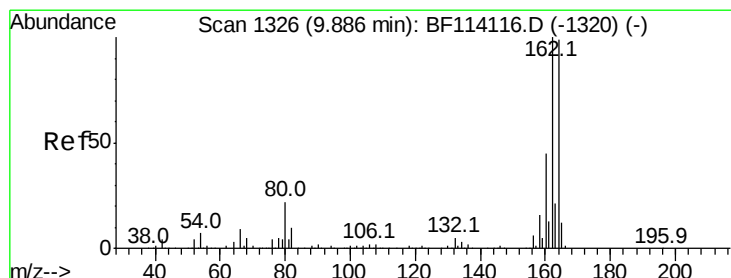
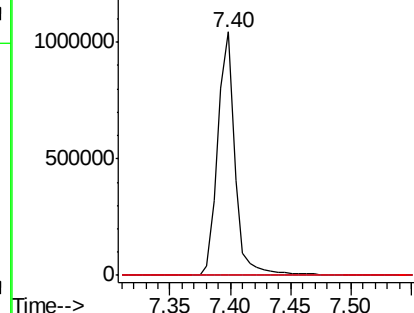
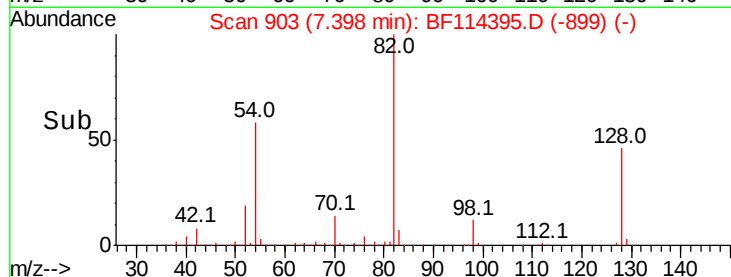
138 0.0 14.8 22.2#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

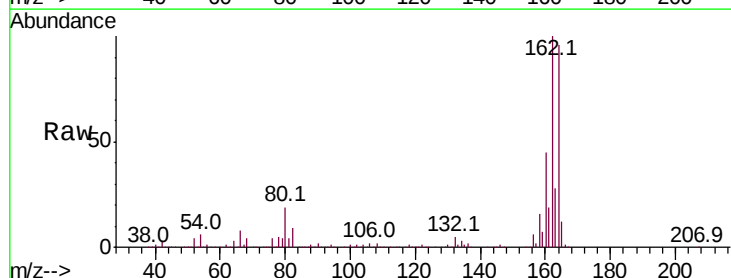
Tgt Ion:164 Resp: 440130

Ion Ratio Lower Upper

164 100

162 103.8 80.6 120.8

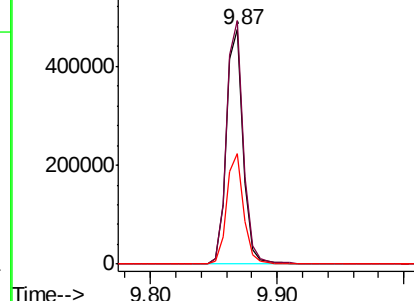
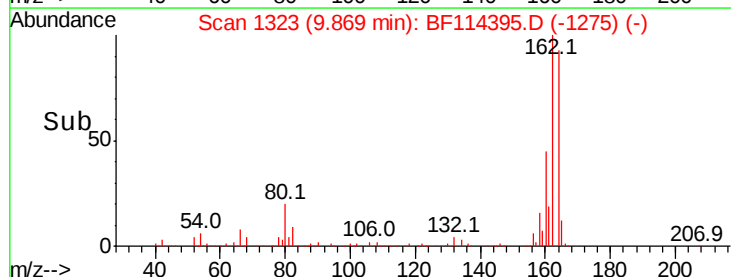
160 46.8 36.5 54.7

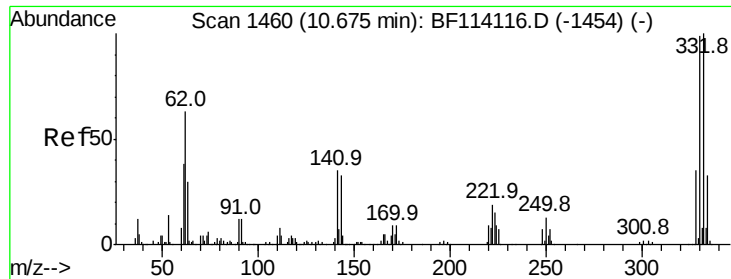


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

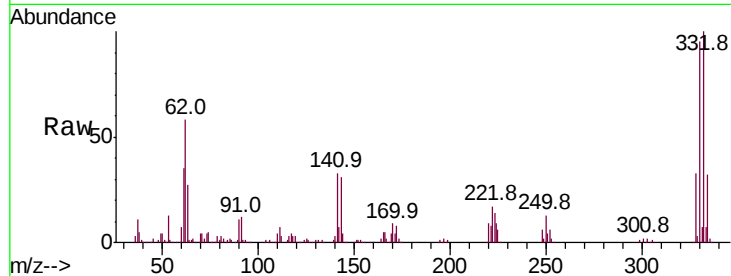




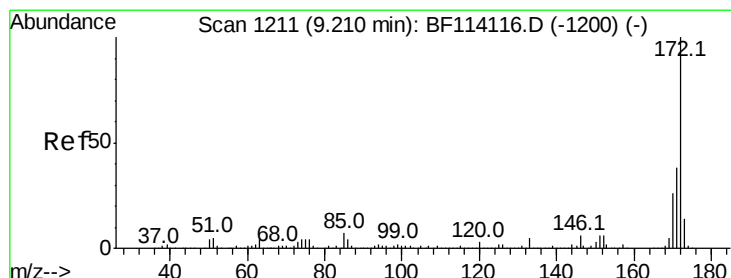
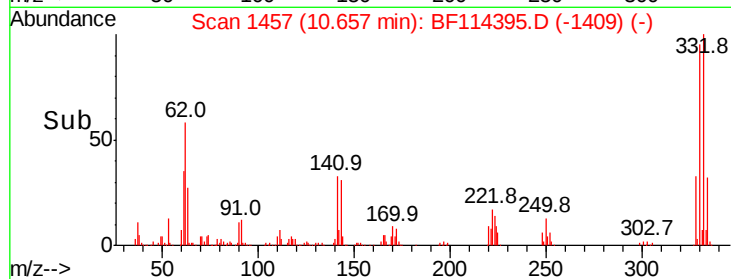
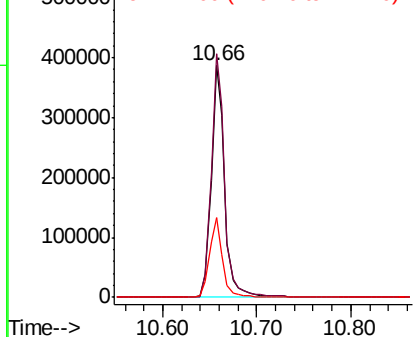
#42
 2,4,6-Tribromophenol
 Concen: 85.797 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114395.D
 Acq: 18 May 2019 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.5	81.4	122.2
141	33.4	26.6	40.0

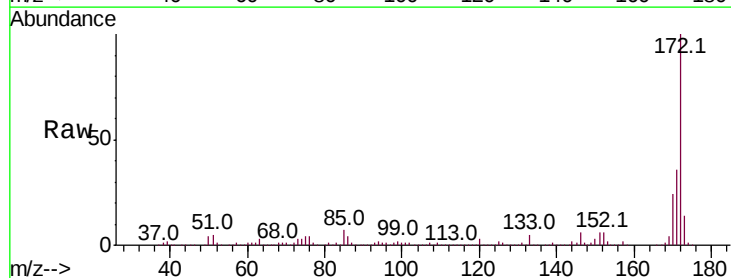


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

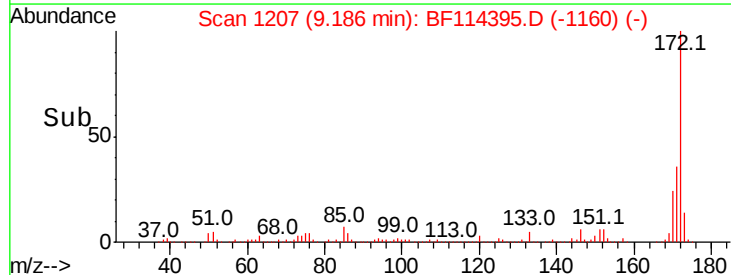
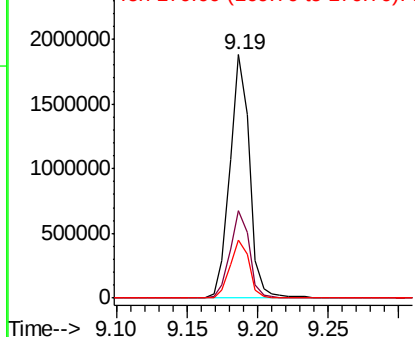


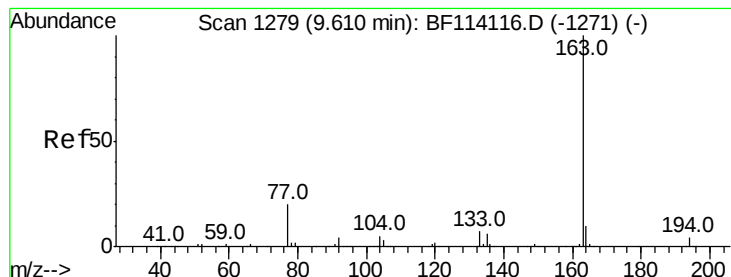
#45
 2-Fluorobiphenyl
 Concen: 62.573 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114395.D
 Acq: 18 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.7	46.1
170	23.9	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





#50

Dimethylphthalate

Concen: 8.849 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Instrument :

BNA_F

ClientSampleId :

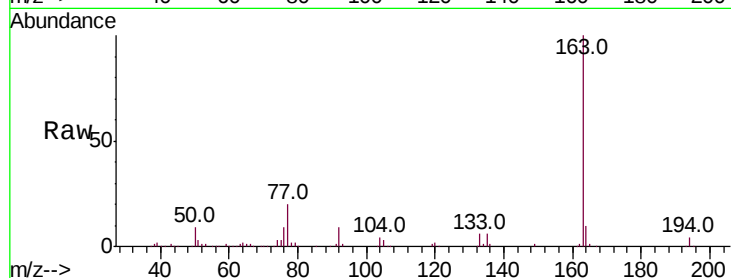
Tot Ion:163 Resp: 285911

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

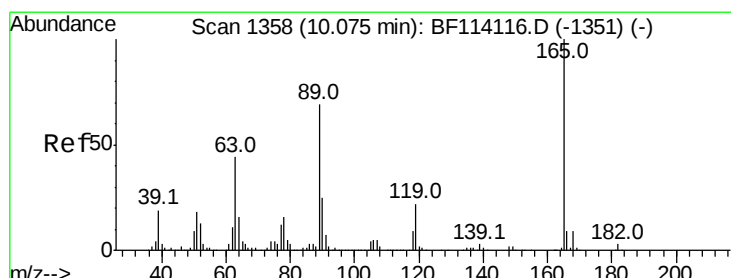
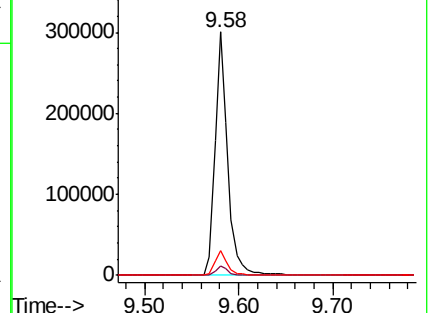
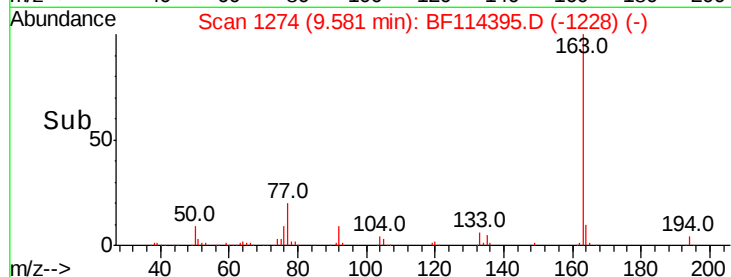
164 10.2 8.2 12.2



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: 5.786 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Tgt Ion:165 Resp: 56281

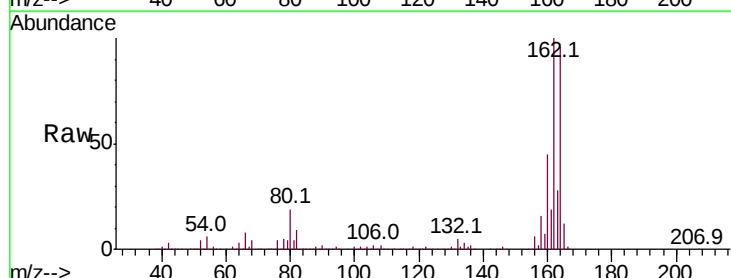
Ion Ratio Lower Upper

165 100

63 1.8 35.5 53.3#

89 1.3 55.2 82.8#

182 0.0 2.2 3.2#

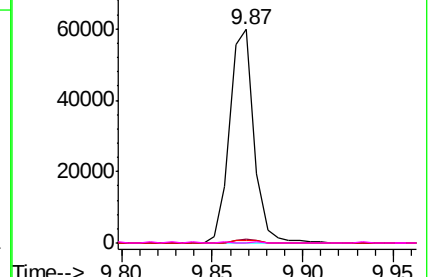
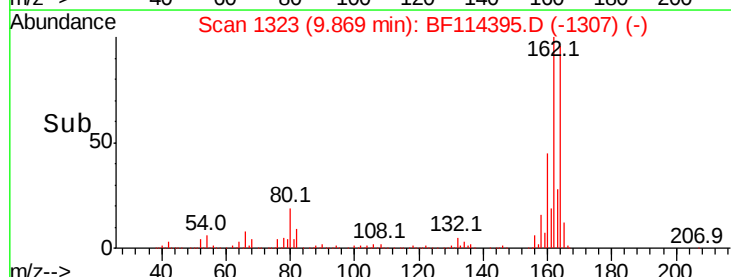


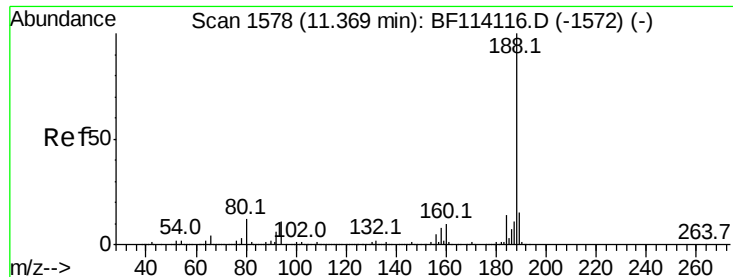
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

Instrument :

BNA_F

ClientSampleId :

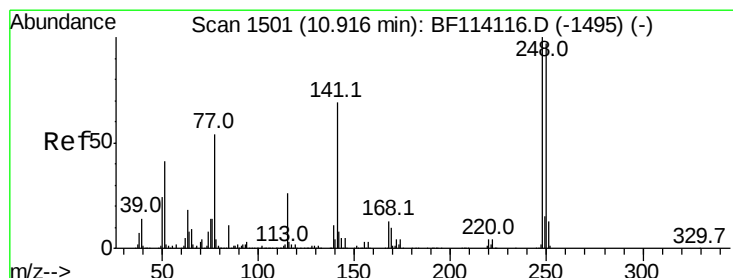
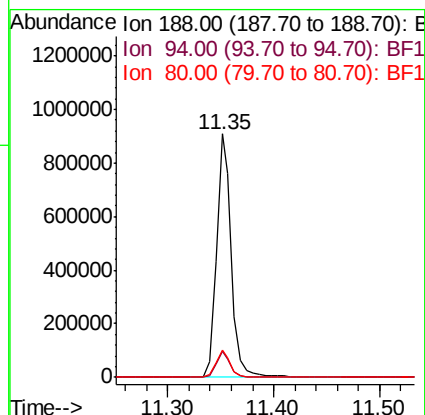
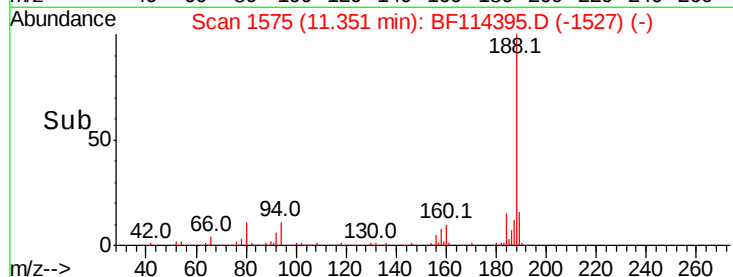
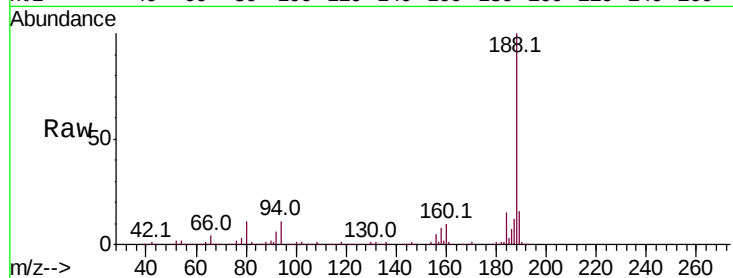
Tot Ion:188 Resp: 895996

Ion Ratio Lower Upper

188 100

94 10.9 8.4 12.6

80 11.5 9.2 13.8



#67

4-Bromophenyl-phenylether

Concen: 2.577 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.26 min

Lab File: BF114395.D

Acq: 18 May 2019 17:04

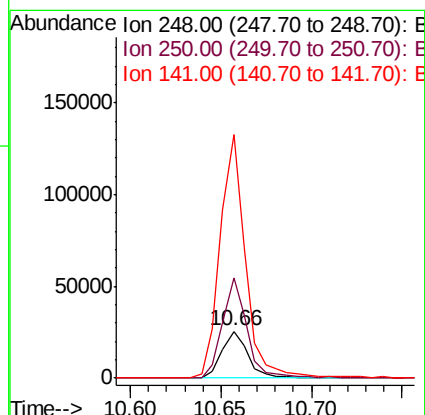
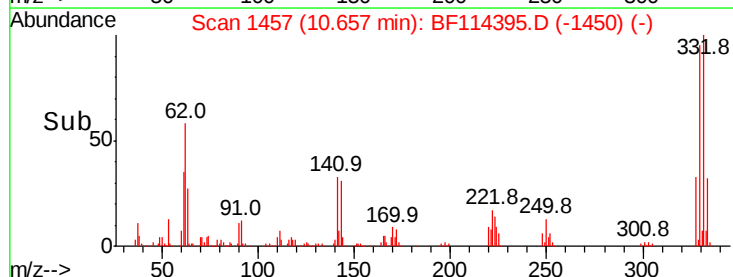
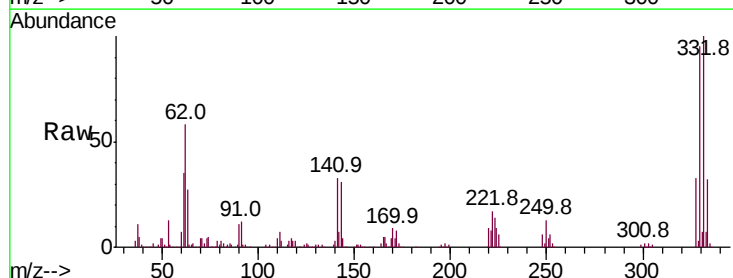
Tgt Ion:248 Resp: 25418

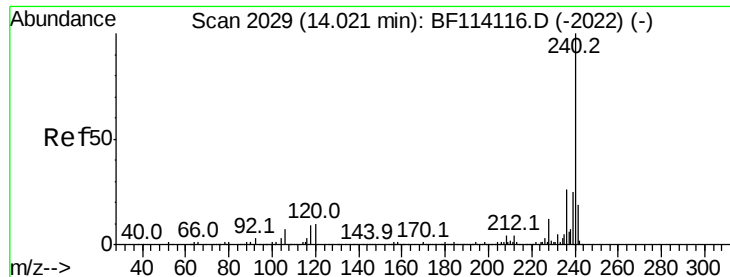
Ion Ratio Lower Upper

248 100

250 212.7 77.4 116.2#

141 517.2 55.6 83.4#

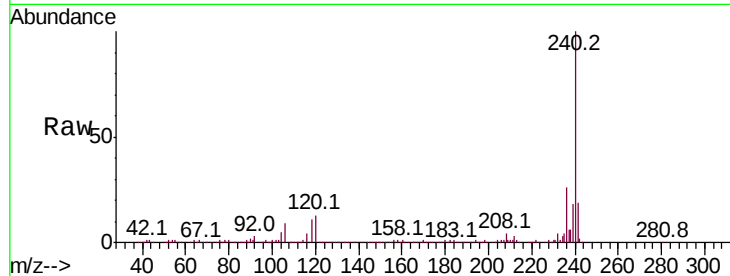




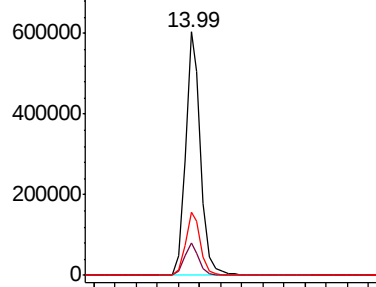
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.03 min
 Lab File: BF114395.D
 Acq: 18 May 2019 17:04

Instrument :
 BNA_F
 ClientSampleId :

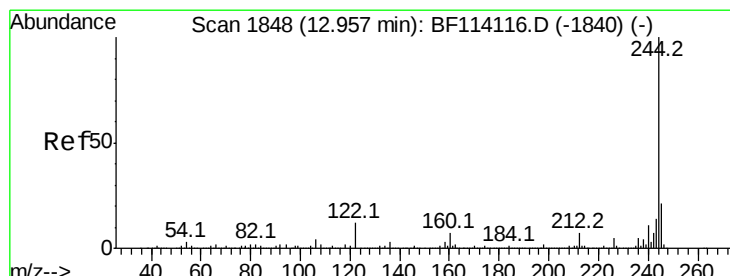
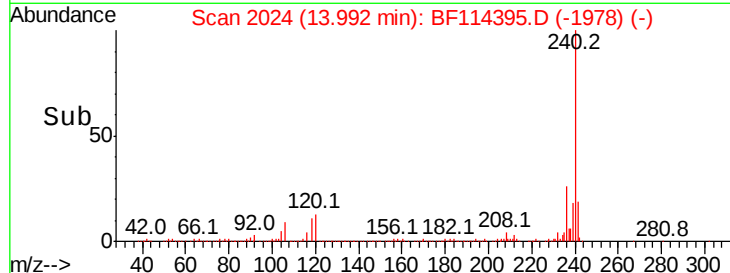
Tot Ion:240 Resp: 606457
 Ion Ratio Lower Upper
 240 100
 120 13.2 8.3 12.5#
 236 26.1 20.8 31.2



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

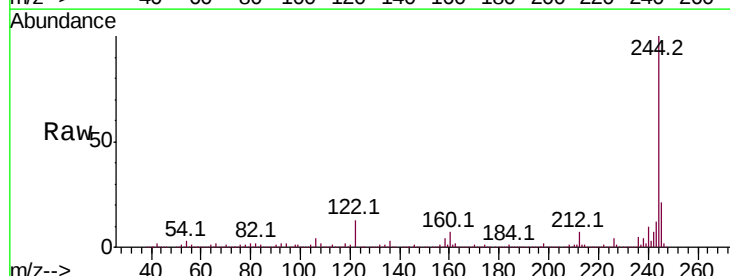


Time--> 13.90 14.00 14.10

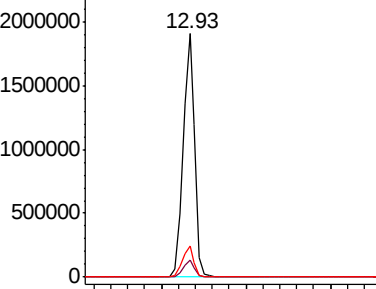


#79
 Terphenyl-d14
 Concen: 62.925 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF114395.D
 Acq: 18 May 2019 17:04

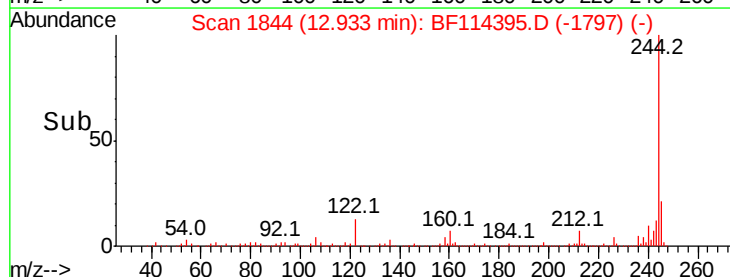
Tgt Ion:244 Resp: 1851210
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 12.7 9.4 14.2

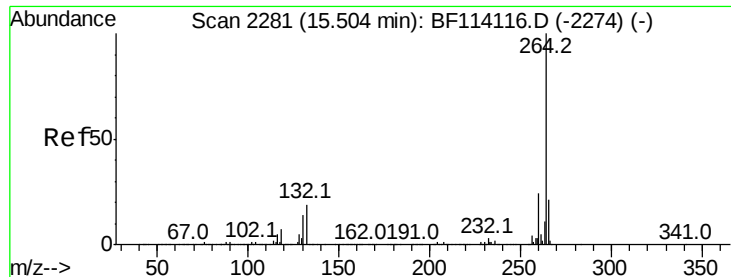


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00 13.10





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114395.D
Acq: 18 May 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.5	16.9	25.3

