

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116137.D
 Acq On : 10 Aug 2019 2:37
 Operator : HP/JU
 Sample : K3613-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 06:53:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

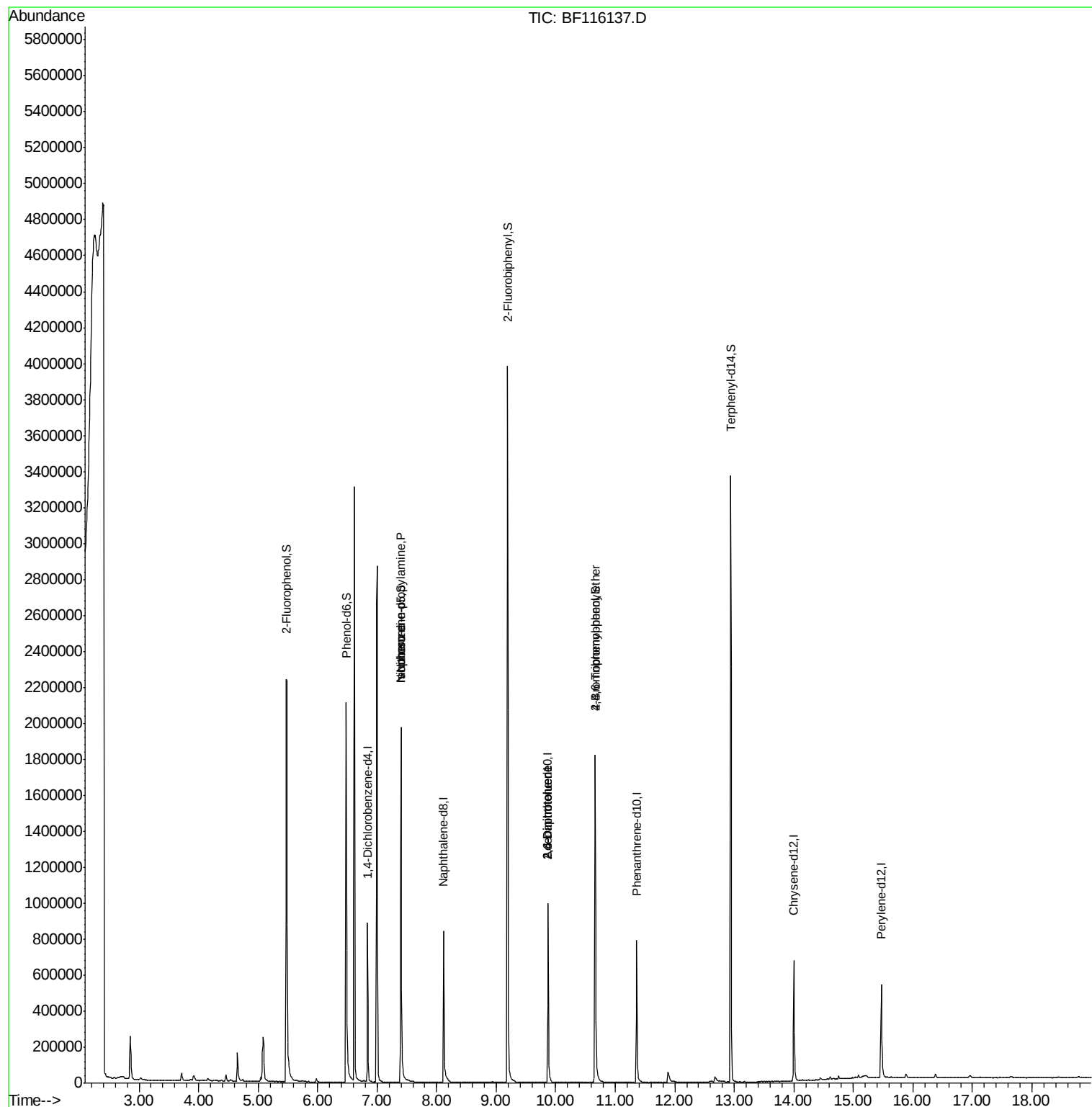
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	124861	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	463193	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	227510	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	343608	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	265445	20.00	ng	-0.01
87) Perylene-d12	15.47	264	301065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	811336	108.78	ng	0.01
7) Phenol-d6	6.48	99	917611	97.51	ng	0.00
23) Nitrobenzene-d5	7.40	82	786002	97.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	264075	119.72	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1362077	112.14	ng	-0.01
79) Terphenyl-d14	12.94	244	1193398	94.73	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	105840	18.150	ng	# 78
25) Isophorone	7.40	82	786094	51.232	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	28726	8.533	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	28726	6.409	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	16299	4.431	ng	# 1

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

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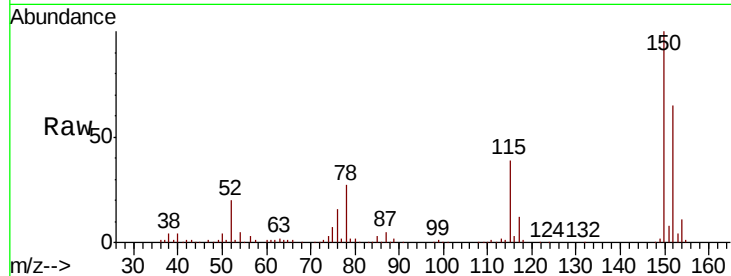


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116137.D
Acq: 10 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	60.6	49.9	74.9

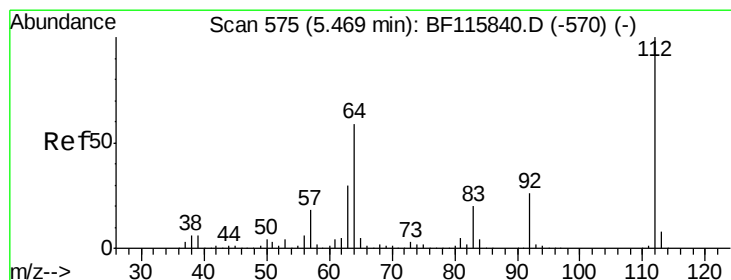
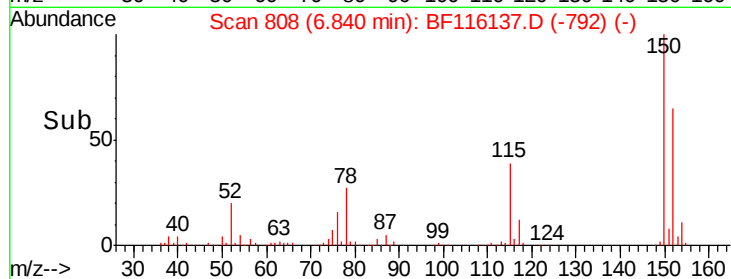
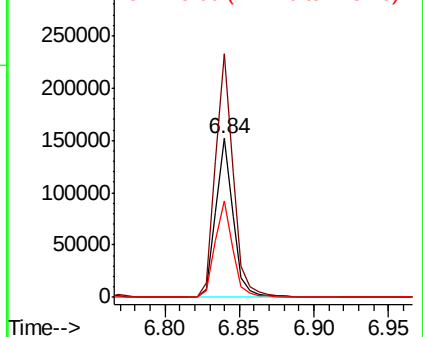


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

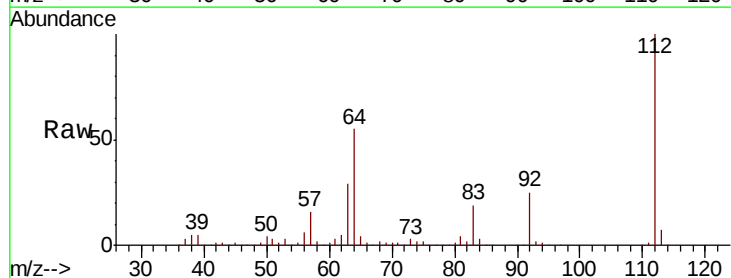
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.779 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116137.D
Acq: 10 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.4	68.2
63	28.6	23.7	35.5

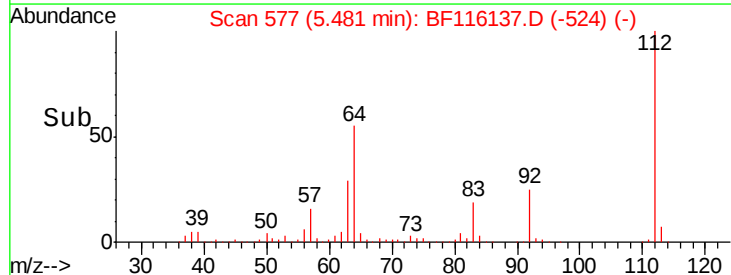
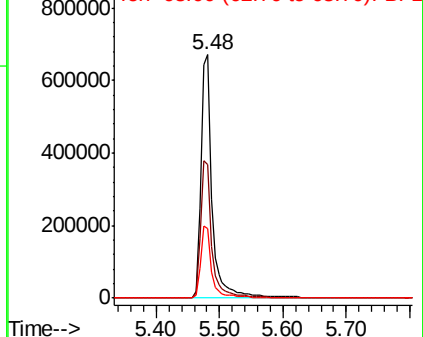


Abundance

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: 97.511 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

Instrument :

BNA_F

ClientSampled :

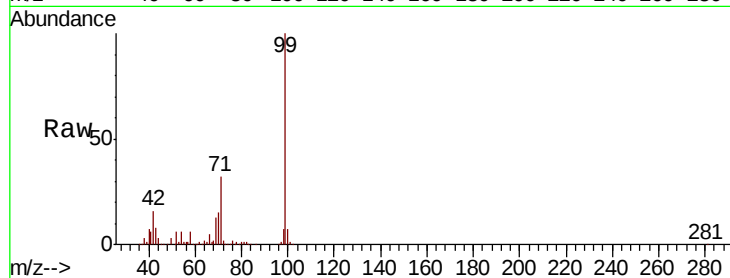
Tot Ion: 99 Resp: 917611

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.8

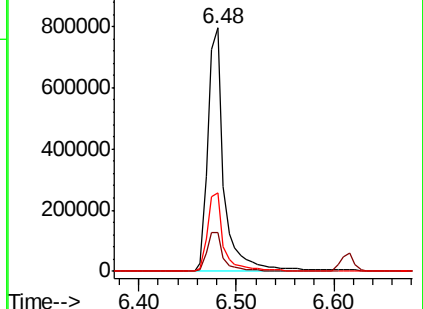
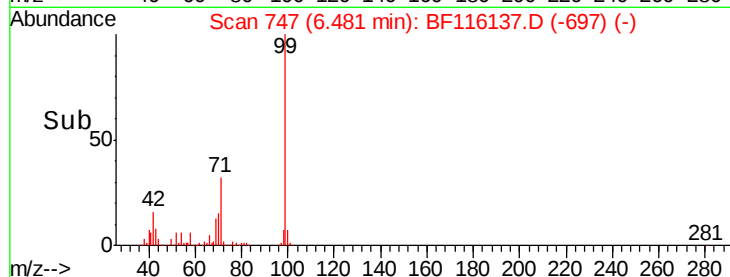
71 32.0 27.3 40.9



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: 18.150 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

Tgt Ion: 70 Resp: 105840

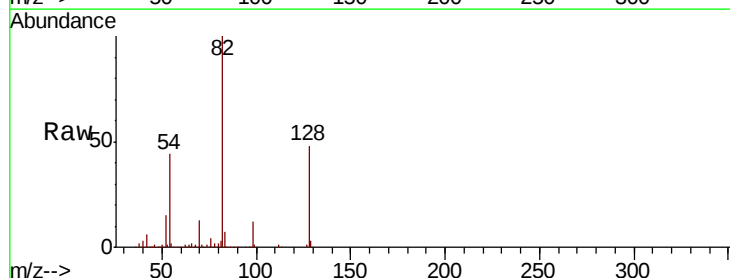
Ion Ratio Lower Upper

70 100

42 41.1 40.9 61.3

101 0.0 7.9 11.9#

130 2.5 16.9 25.3#

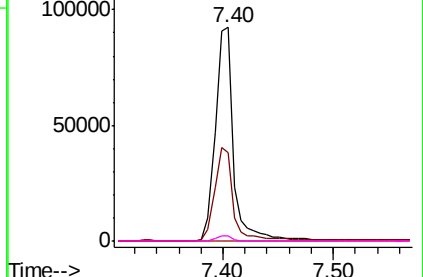
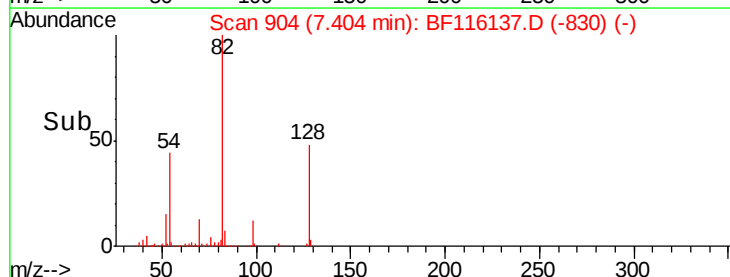


Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.01 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 463193

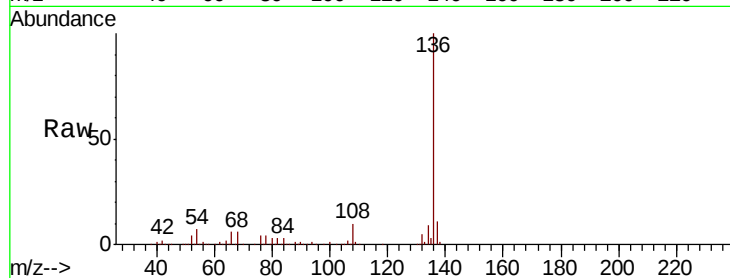
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.4 5.8 8.6

68 6.4 5.2 7.8

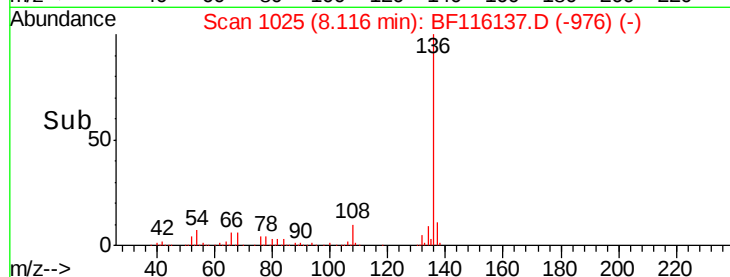


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->

8.12

400000

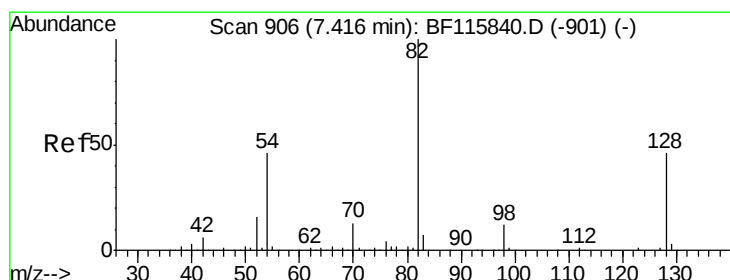
300000

200000

100000

0

8.00 8.10 8.20 8.30 8.40



#23

Nitrobenzene-d5

Concen: 97.952 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

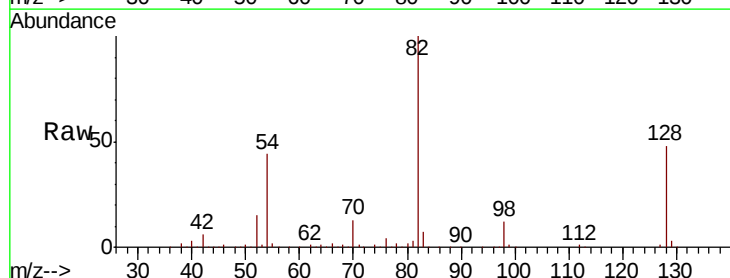
Tgt Ion: 82 Resp: 786002

Ion Ratio Lower Upper

82 100

128 48.1 36.5 54.7

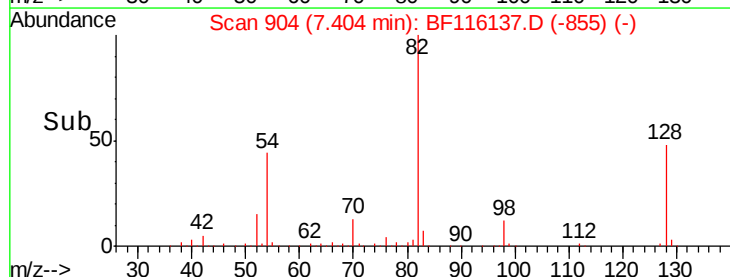
54 43.8 36.0 54.0



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



Time-->

7.40

800000

600000

400000

200000

0

7.40 7.50



#25

Isophorone

Concen: 51.232 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

Instrument :

BNA_F

ClientSampled :

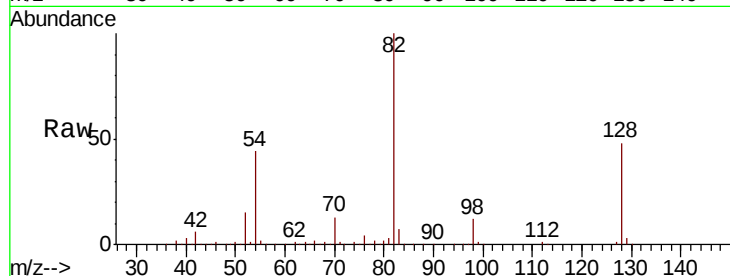
Tot Ion: 82 Resp: 786094

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

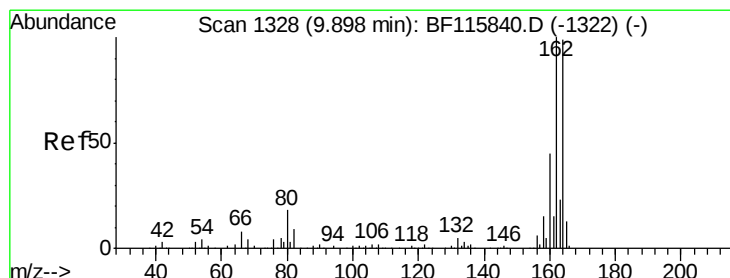
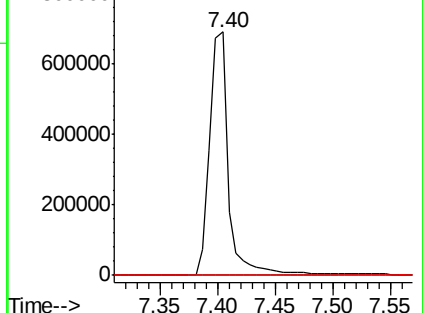
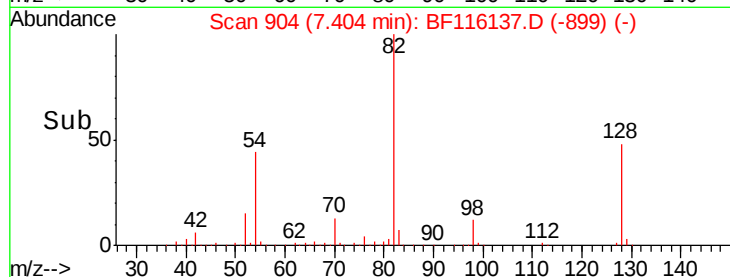
138 0.0 14.5 21.7#



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: BF116137.D

Acq: 10 Aug 2019 2:37

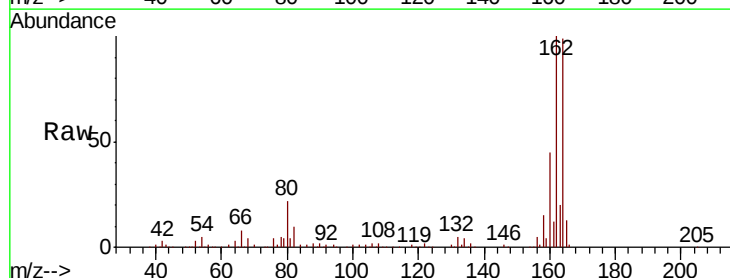
Tgt Ion:164 Resp: 227510

Ion Ratio Lower Upper

164 100

162 101.0 82.6 124.0

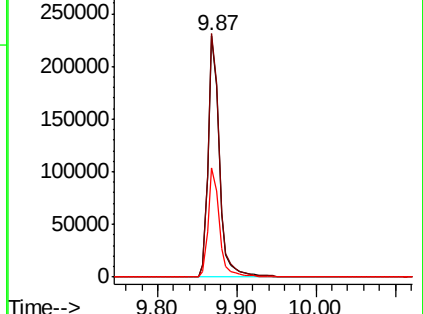
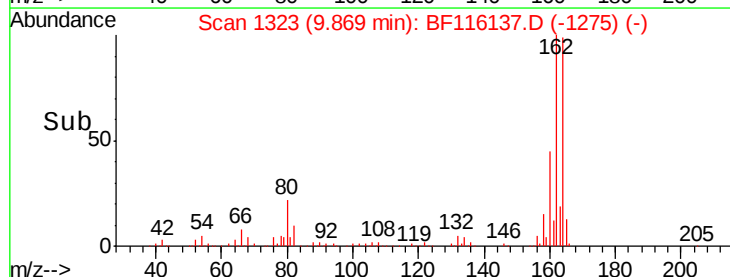
160 45.1 37.6 56.4



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: 119.720 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

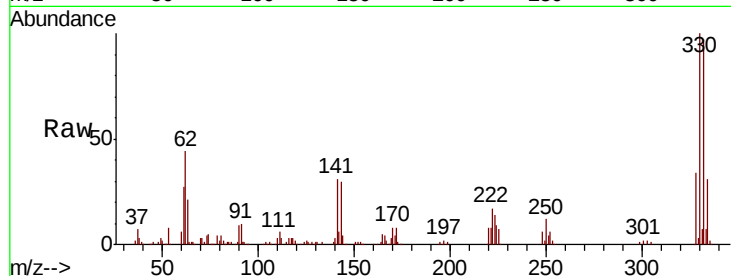
Tot Ion:330 Resp: 264075

Ion Ratio Lower Upper

330 100

332 97.3 76.8 115.2

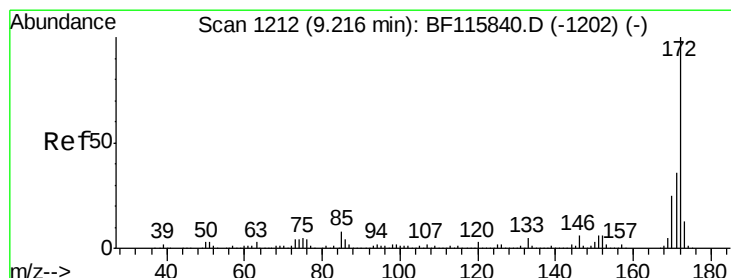
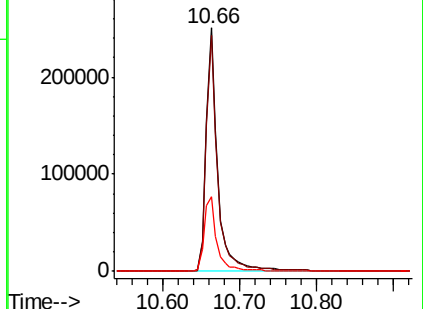
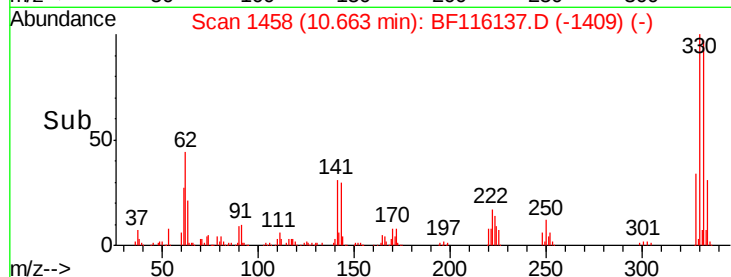
141 33.9 26.3 39.5



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: 112.139 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116137.D

Acq: 10 Aug 2019 2:37

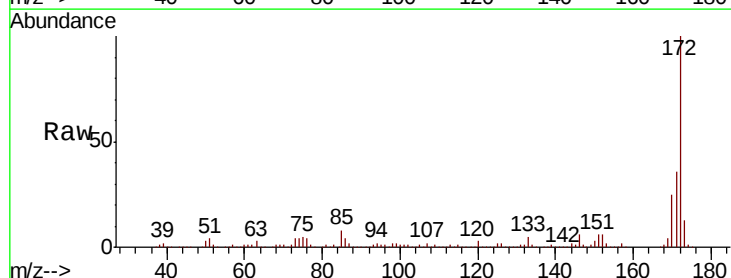
Tgt Ion:172 Resp: 1362077

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

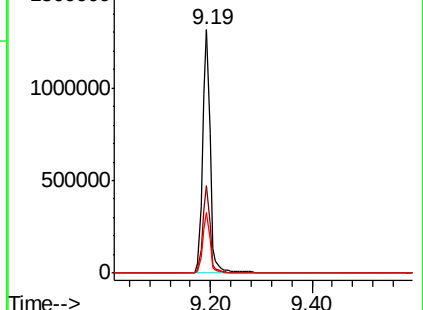
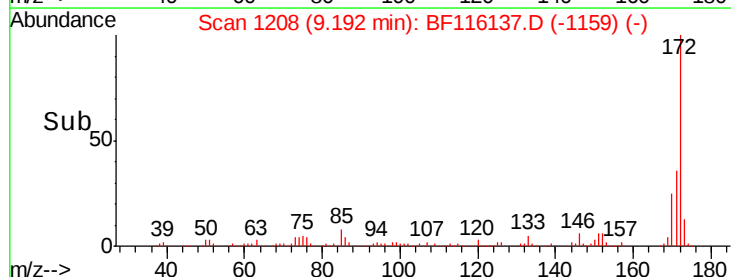
170 24.8 20.1 30.1

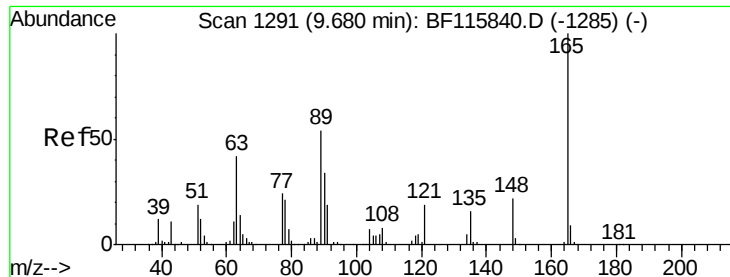


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

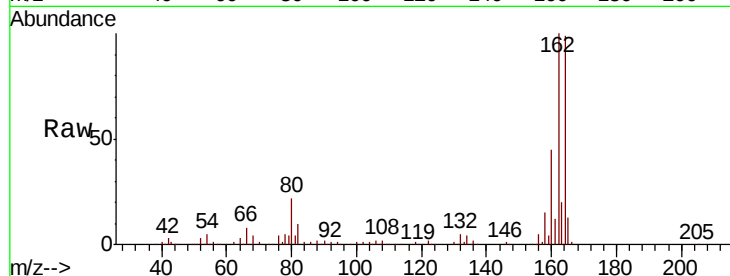




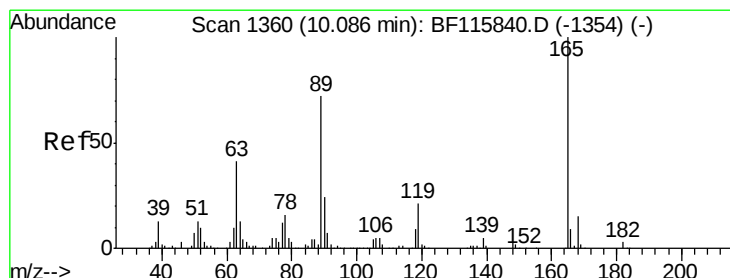
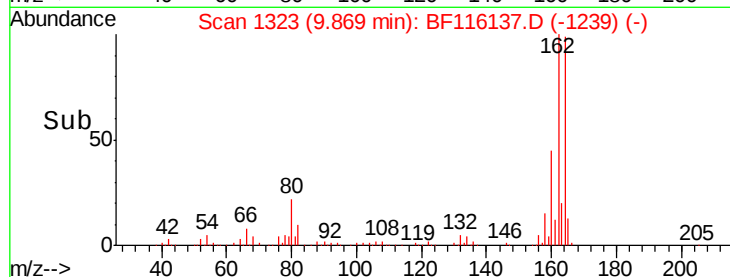
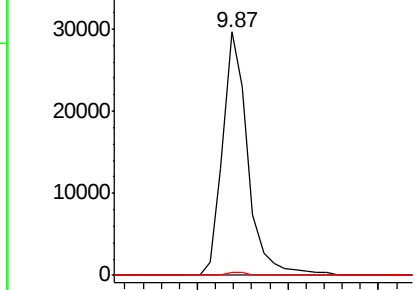
#51
 2,6-Dinitrotoluene
 Concen: 8.533 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116137.D
 Acq: 10 Aug 2019 2:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.2	57.2#
89	1.2	42.9	64.3#

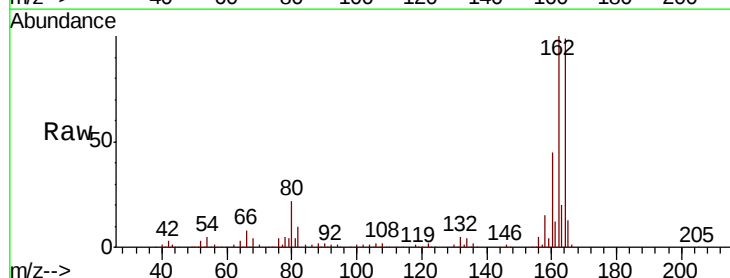


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

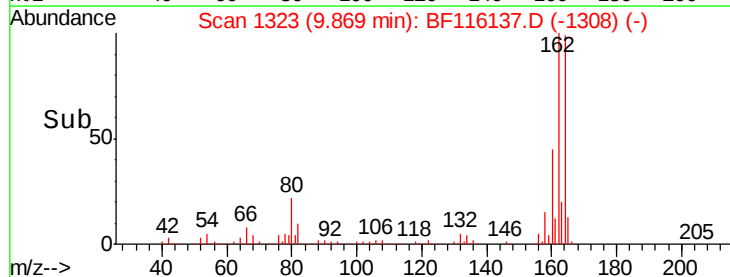
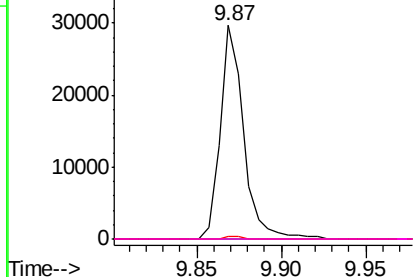


#57
 2,4-Dinitrotoluene
 Concen: 6.409 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116137.D
 Acq: 10 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.6	59.4#
89	1.2	62.2	93.2#
182	0.0	2.1	3.1#



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

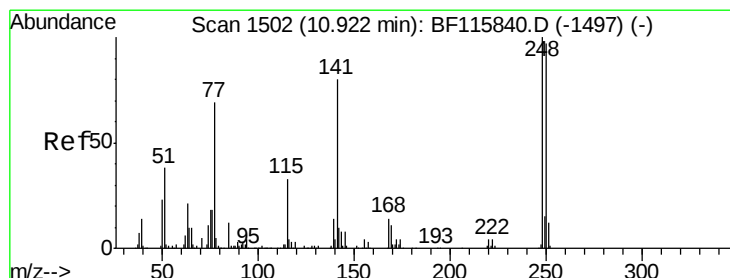
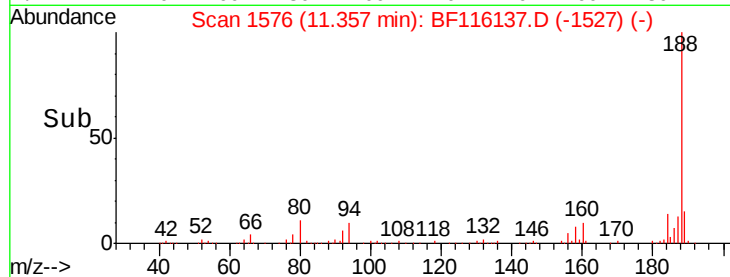
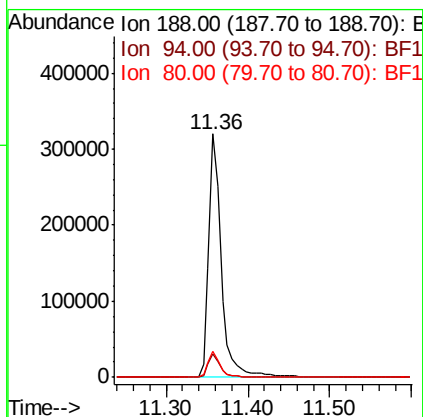
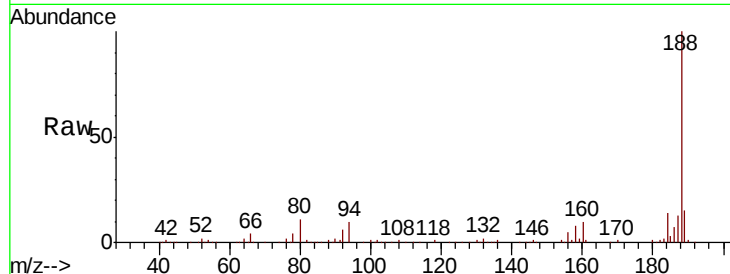




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116137.D
 Acq: 10 Aug 2019 2:37

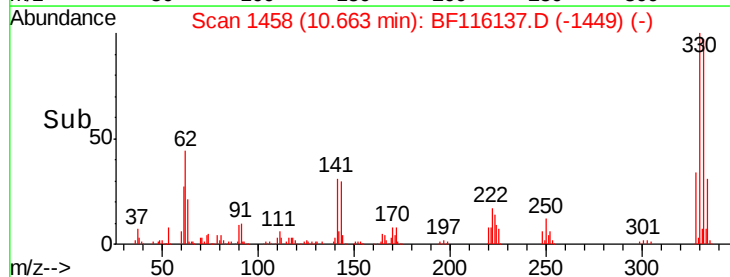
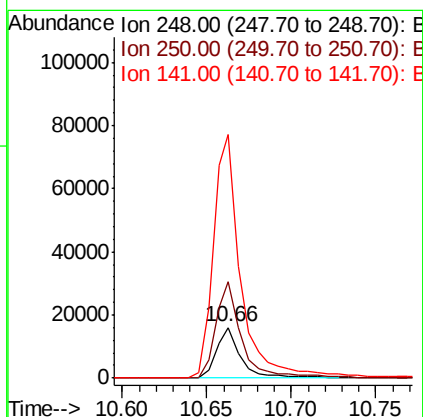
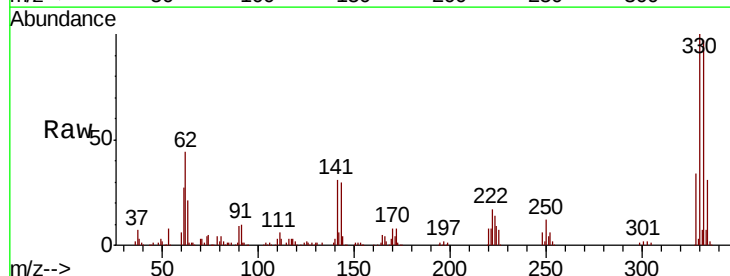
Instrument :
 BNA_F
 ClientSampleId :

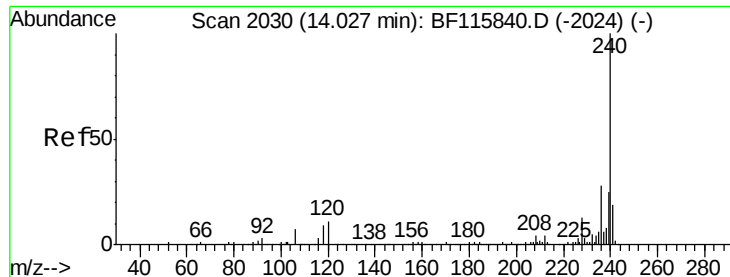
Tot Ion:188 Resp: 343608
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.1 12.1
 80 10.7 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.431 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116137.D
 Acq: 10 Aug 2019 2:37

Tgt Ion:248 Resp: 16299
 Ion Ratio Lower Upper
 248 100
 250 190.6 77.4 116.2#
 141 479.9 56.8 85.2#

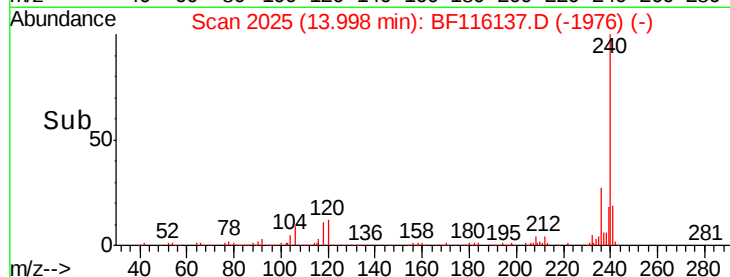
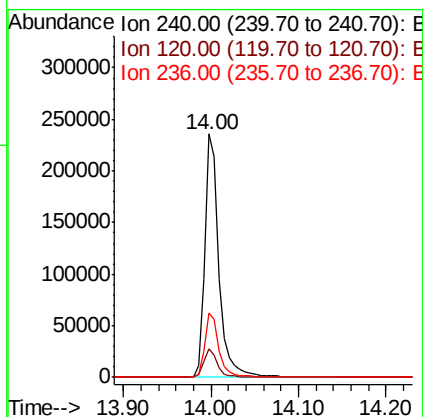
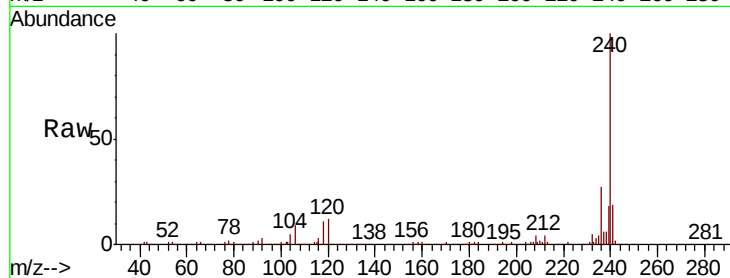




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116137.D
Acq: 10 Aug 2019 2:37

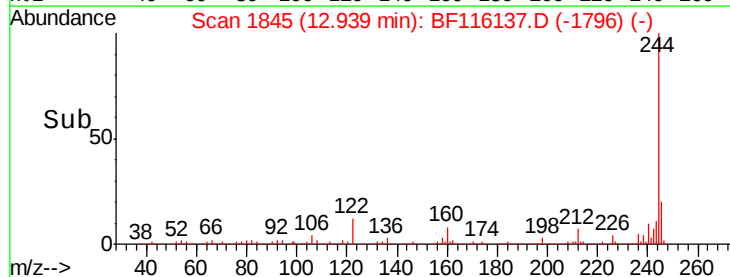
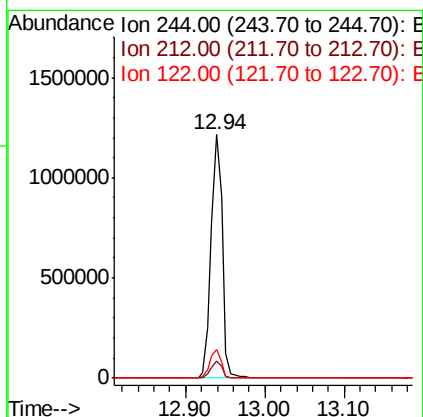
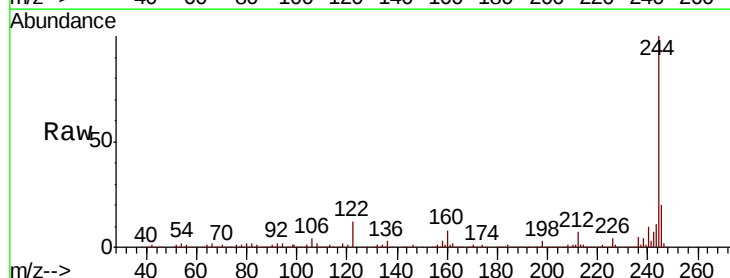
Instrument :
BNA_F
ClientSampleId :

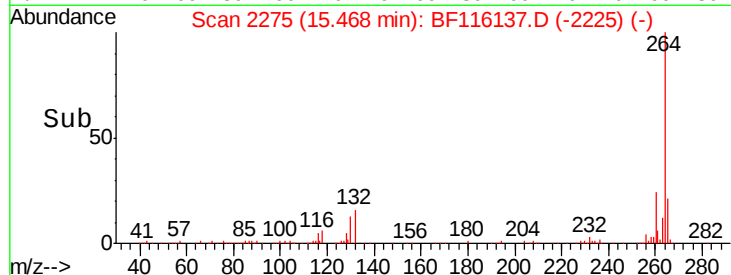
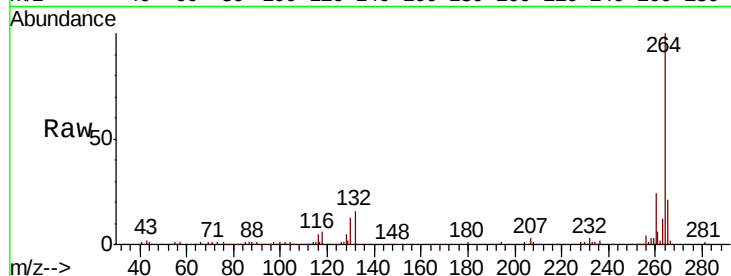
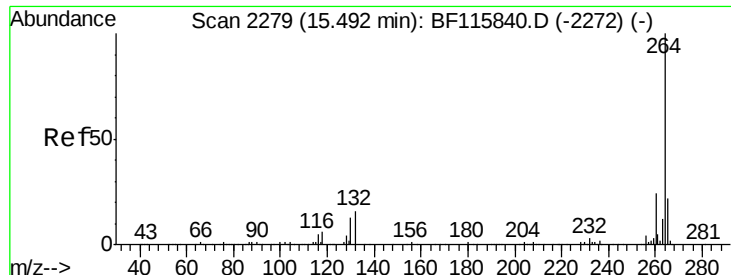
Tot Ion:240 Resp: 265445
Ion Ratio Lower Upper
240 100
120 11.9 10.7 16.1
236 26.6 22.2 33.2



#79
Terphenyl-d14
Concen: 94.735 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116137.D
Acq: 10 Aug 2019 2:37

Tgt Ion:244 Resp: 1193398
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 11.9 9.0 13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116137.D
 Acq: 10 Aug 2019 2:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	301065
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.3	17.4	26.0

