

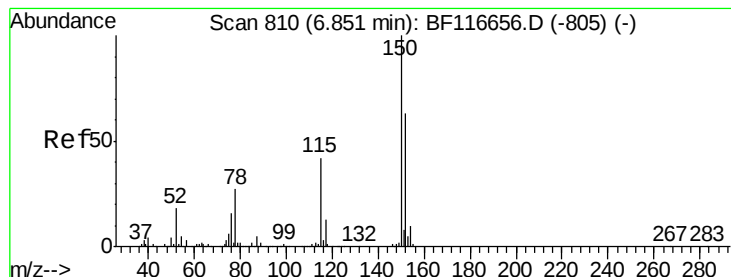
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116769.D
 Acq On : 3 Sep 2019 13:50
 Operator : HP/JU
 Sample : K4514-15
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 03 14:38:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	92669	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	363322	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	185210	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	319380	20.00	ng	0.00
76) Chrysene-d12	13.99	240	285693	20.00	ng	0.00
87) Perylene-d12	15.44	264	295505	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	555033	97.03	ng	0.00
7) Phenol-d6	6.47	99	781670	104.07	ng	0.00
23) Nitrobenzene-d5	7.40	82	469663	73.80	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	157826	127.47	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	737014	67.13	ng	-0.01
79) Terphenyl-d14	12.94	244	771289	49.94	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	30418	3.657	ng	90
19) n-Nitroso-di-n-propylamine	7.40	70	61712	12.478	ng	# 71
25) Isophorone	7.40	82	469659	36.418	ng	# 66
50) Dimethylphthalate	9.59	163	180705	14.132	ng	96
57) 2,4-Dinitrotoluene	9.88	165	23705	7.946	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	217	7.607	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	10293	3.172	ng	# 1

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

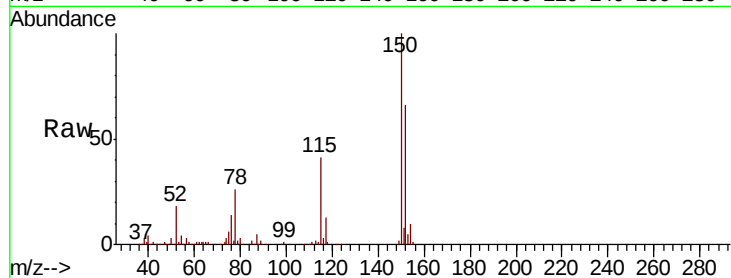


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	124.4	186.6
115	61.2	49.9	74.9

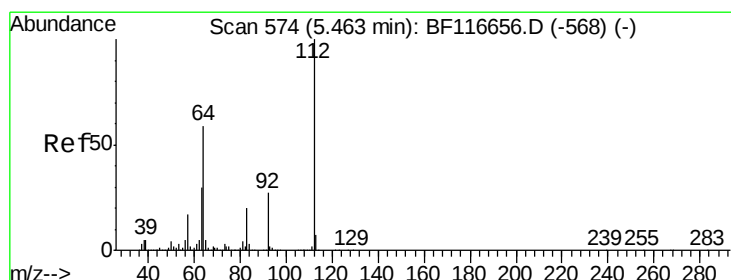
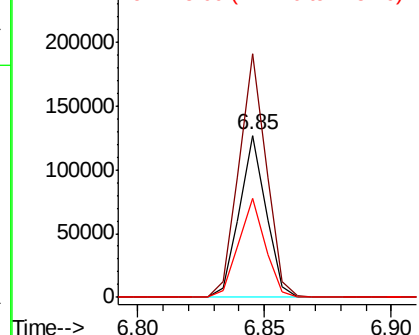
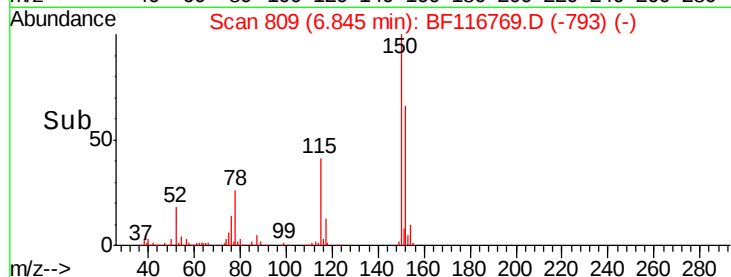


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

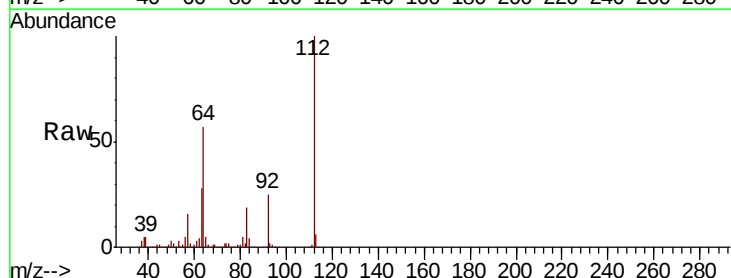
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.032 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.1	70.7
63	28.1	24.9	37.3

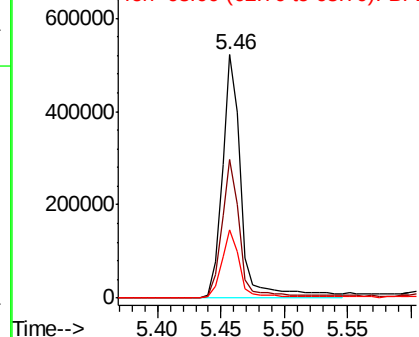
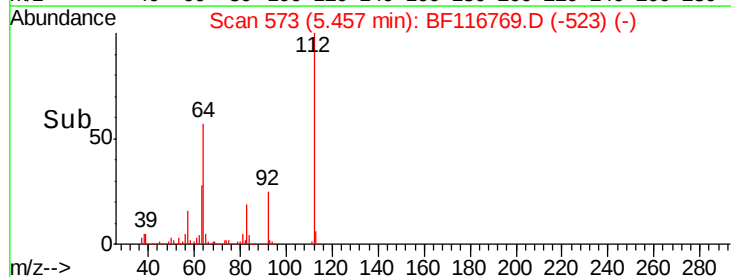


Abundance

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: 104.068 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

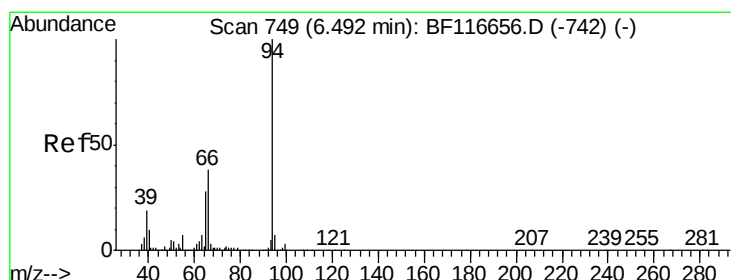
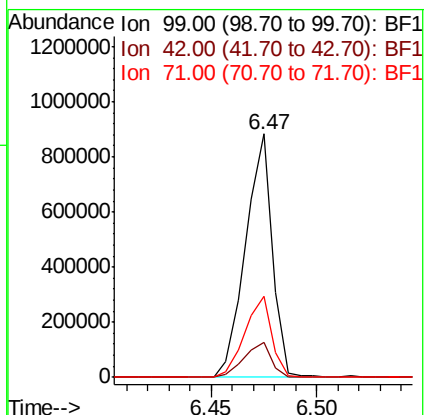
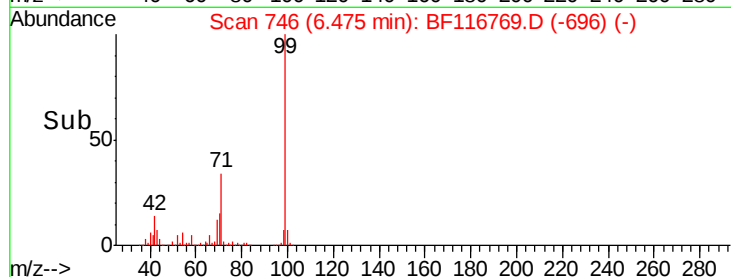
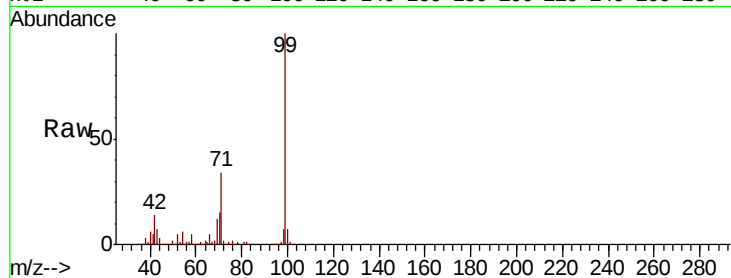
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 781670

Ion	Ratio	Lower	Upper
99	100		
42	14.3	13.7	20.5
71	33.5	30.8	46.2



#10

Phenol

Concen: 3.657 ng

RT: 6.49 min Scan# 748

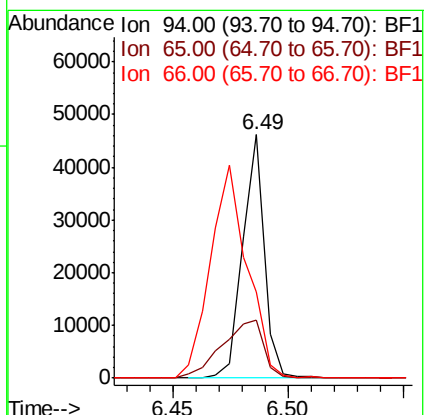
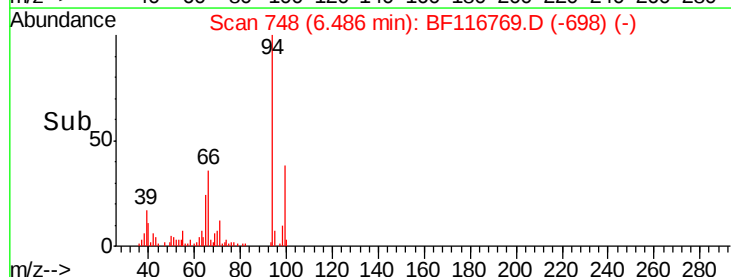
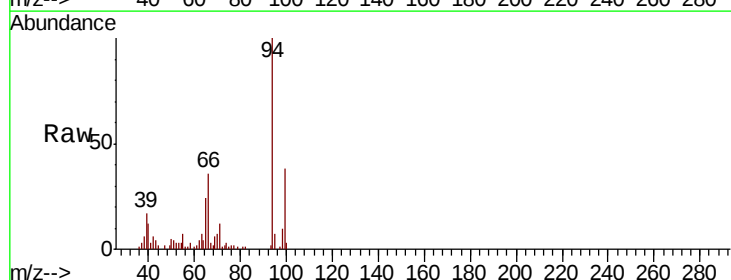
Delta R.T. -0.01 min

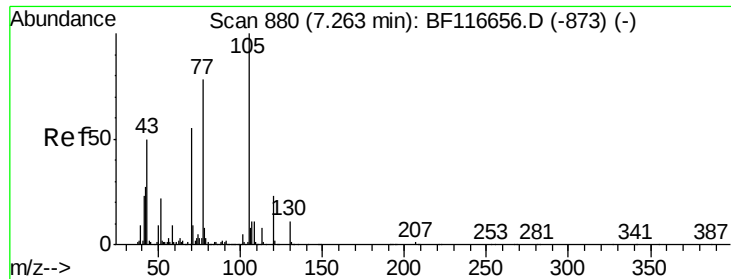
Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

Tgt Ion: 94 Resp: 30418

Ion	Ratio	Lower	Upper
94	100		
65	23.8	10.8	50.8
66	35.7	21.1	61.1

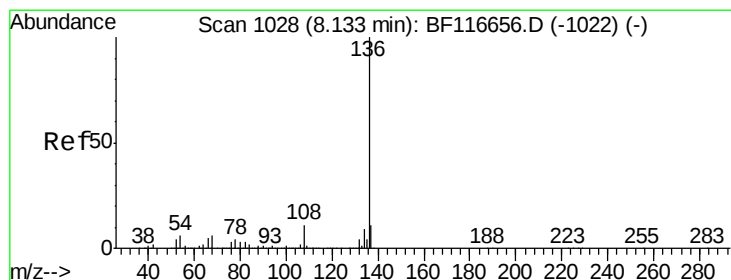
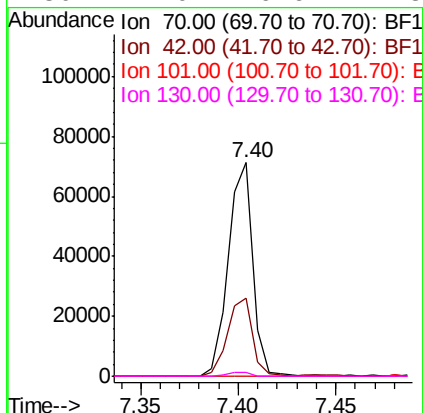
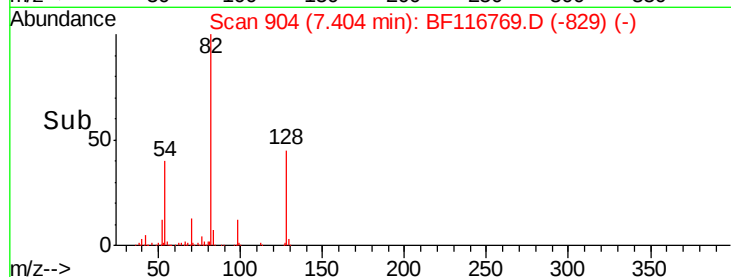
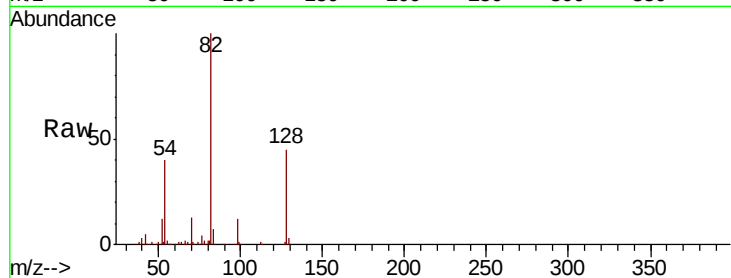




#19
n-Nitroso-di-n-propylamine
Concen: 12.478 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

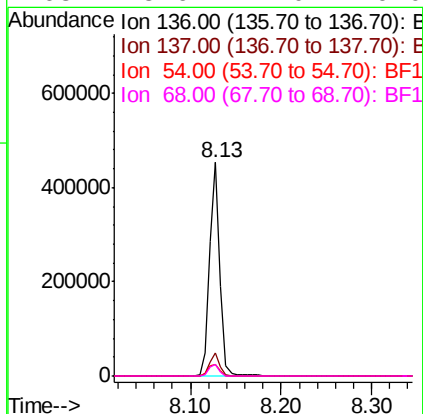
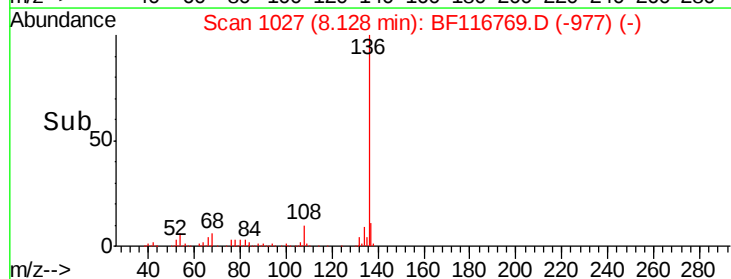
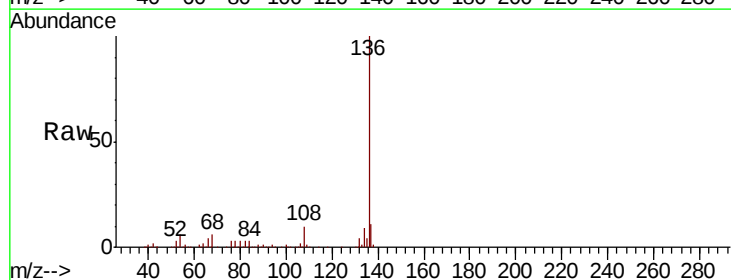
Instrument :
BNA_F
ClientSampleId :

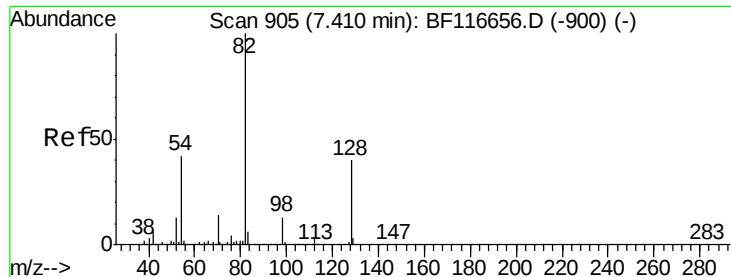
Tot Ion	Ratio	Lower	Upper
70	100		
42	36.3	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.7	4.8	7.2
68	5.6	4.0	6.0





#23

Nitrobenzene-d5

Concen: 73.796 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

Instrument :

BNA_F

ClientSampleId :

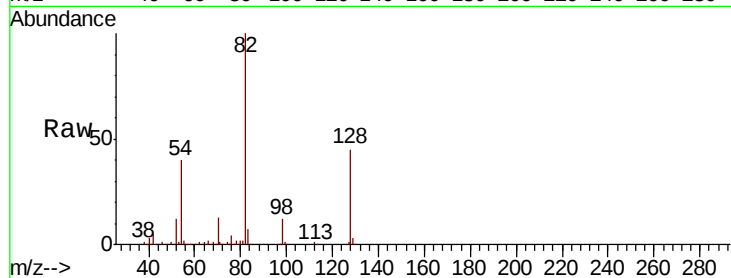
Tot Ion: 82 Resp: 469663

Ion Ratio Lower Upper

82 100

128 44.9 32.8 49.2

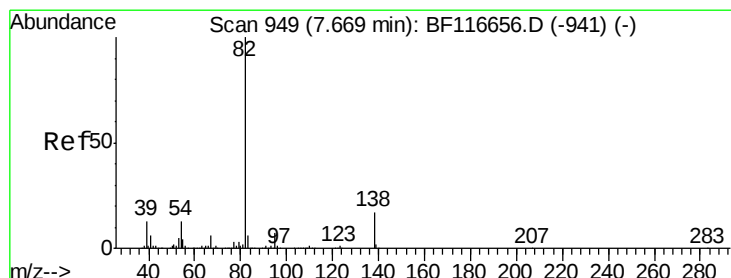
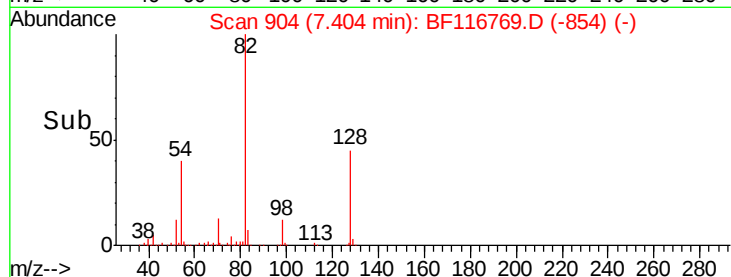
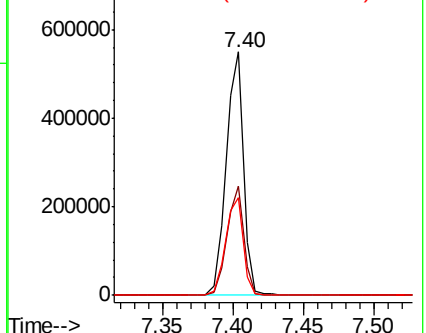
54 40.4 36.9 55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 36.418 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

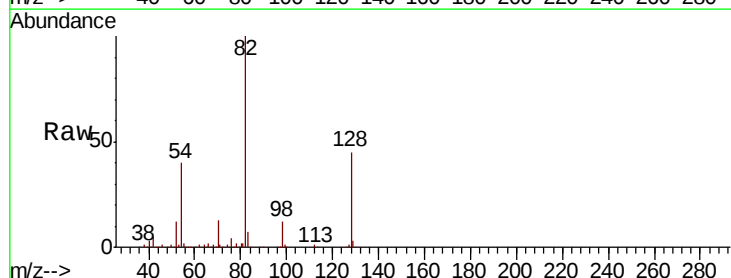
Tgt Ion: 82 Resp: 469659

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

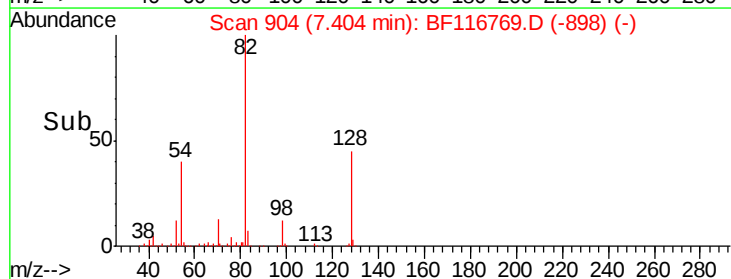
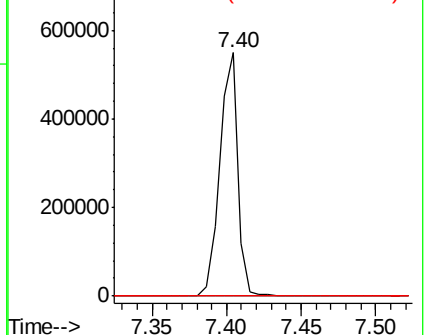
138 0.0 13.5 20.3#

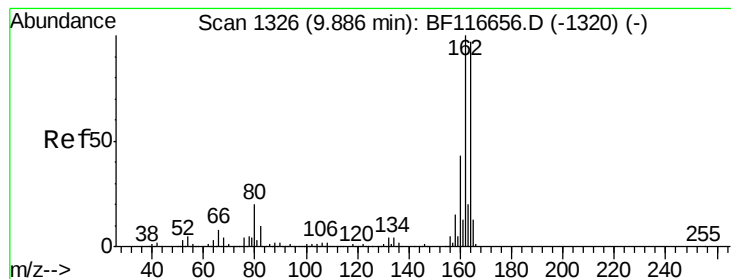


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

Instrument :

BNA_F

ClientSampleId :

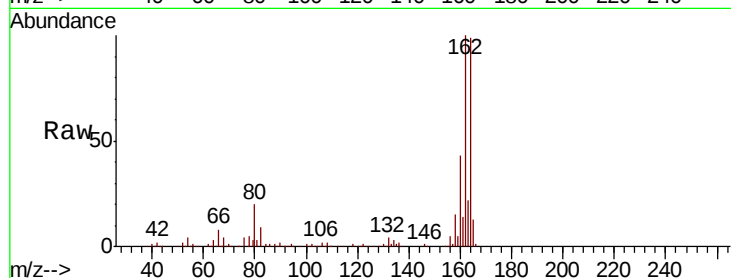
Tot Ion:164 Resp: 185210

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

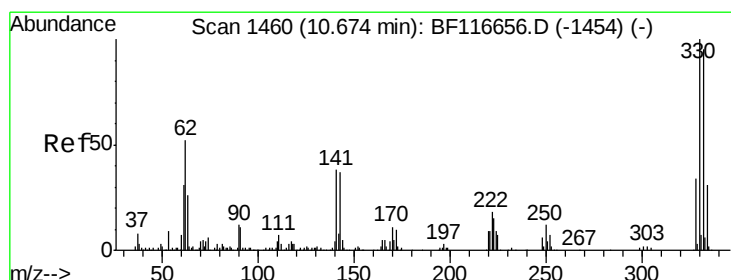
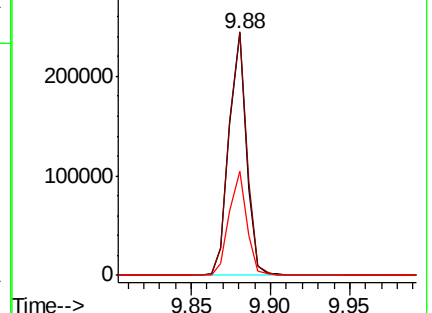
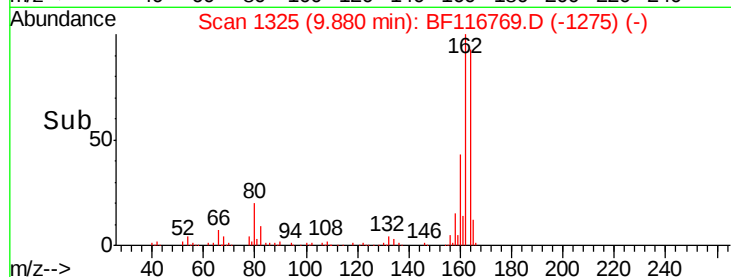
160 43.1 35.4 53.2



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: 127.467 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

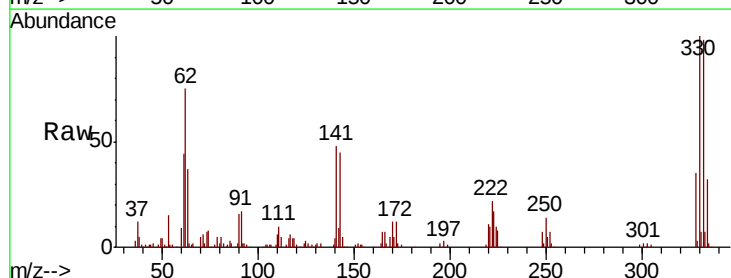
Tgt Ion:330 Resp: 157826

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

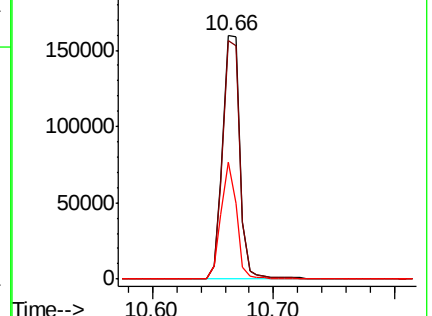
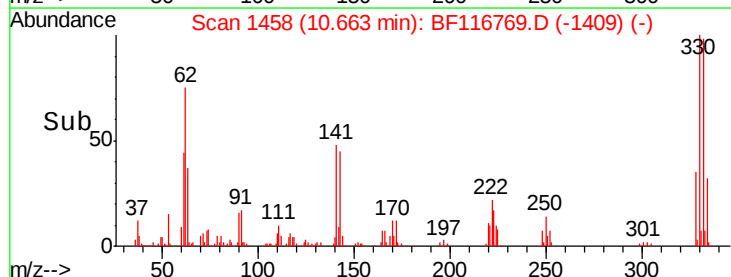
141 42.6 31.4 47.2

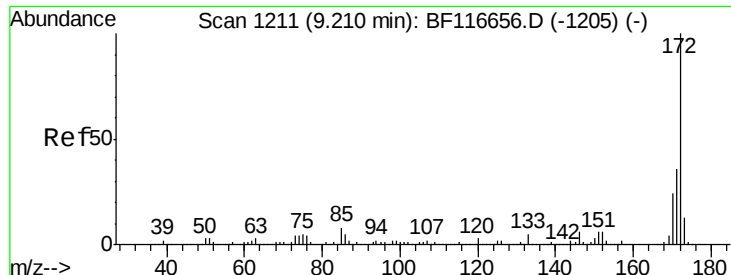


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

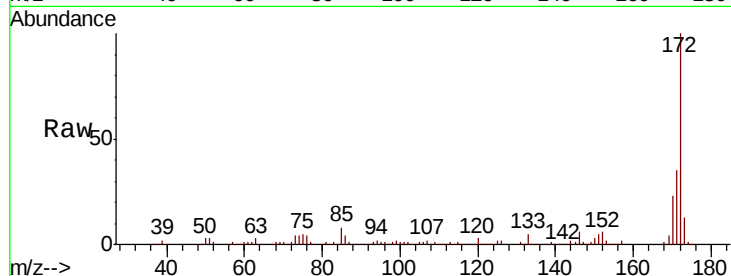




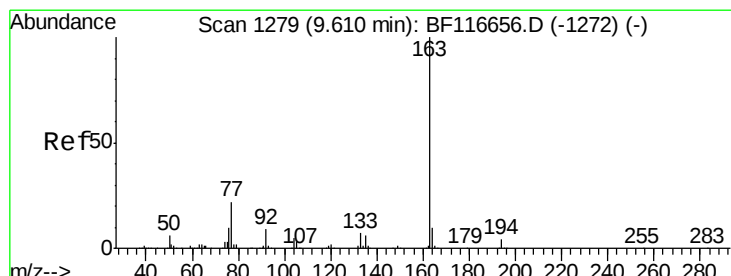
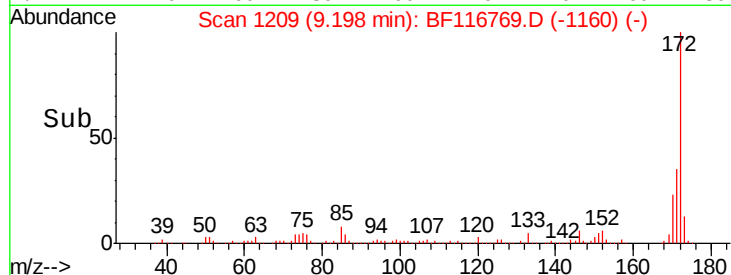
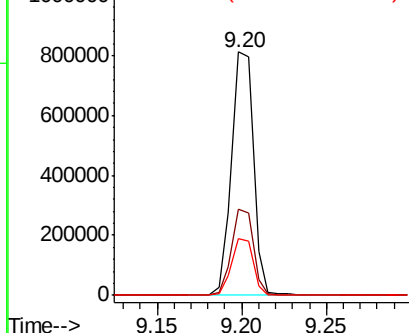
#45
 2-Fluorobiphenyl
 Concen: 67.127 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116769.D
 Acq: 3 Sep 2019 13:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 737014
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.8 41.6
 170 23.3 18.9 28.3

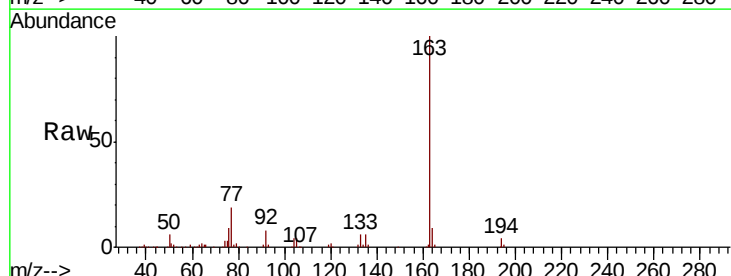


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

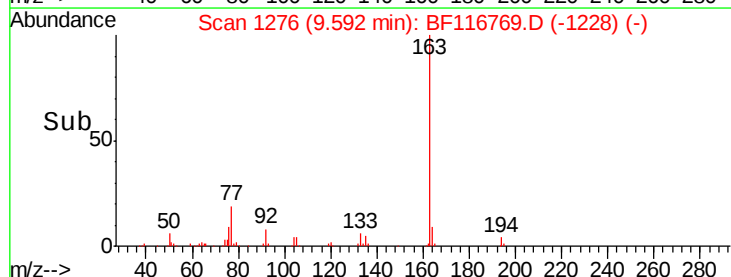
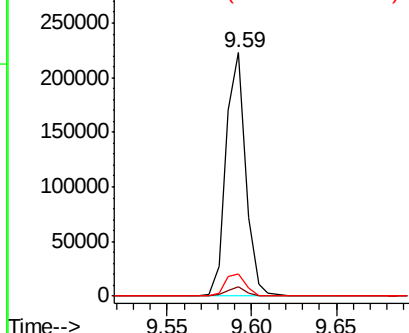


#50
 Dimethylphthalate
 Concen: 14.132 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116769.D
 Acq: 3 Sep 2019 13:50

Tgt Ion:163 Resp: 180705
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.8 4.2
 164 8.9 8.6 12.8



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: 7.946 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23705

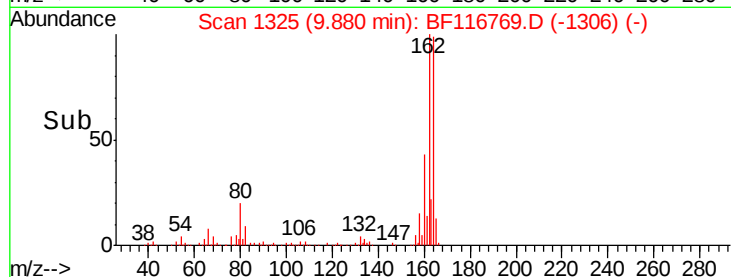
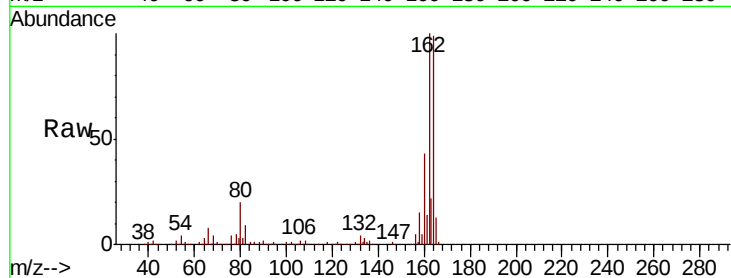
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.9 62.6 94.0#

182 0.0 2.1 3.1#

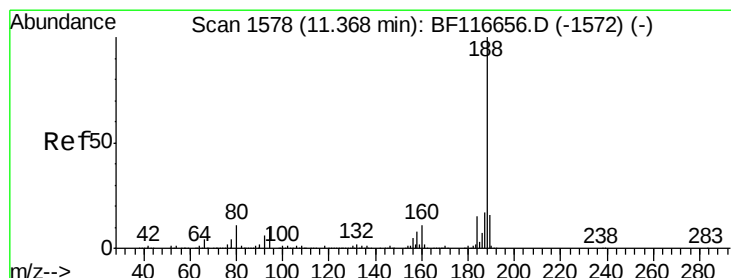
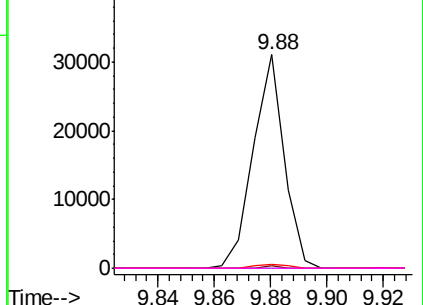


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1577

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

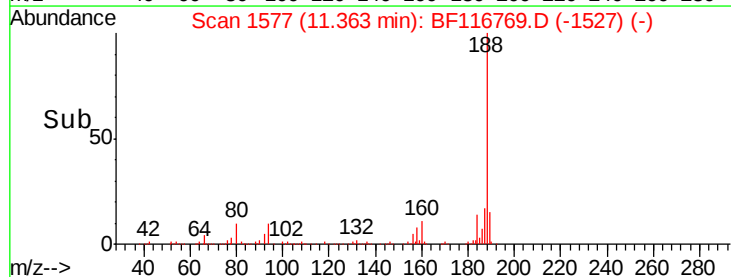
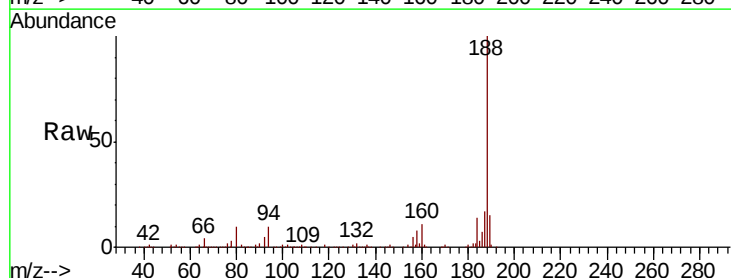
Tgt Ion:188 Resp: 319380

Ion Ratio Lower Upper

188 100

94 10.3 7.3 10.9

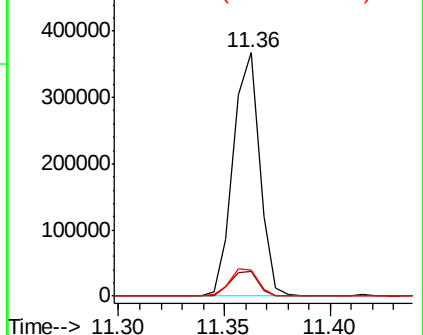
80 10.5 8.4 12.6

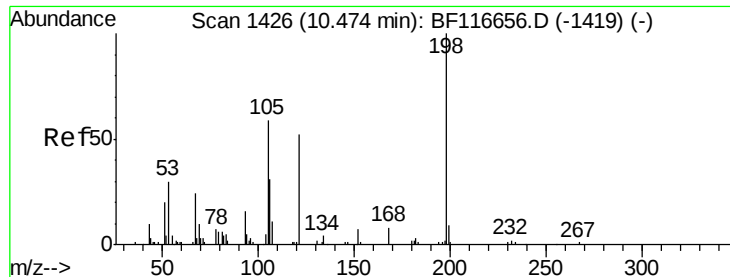


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

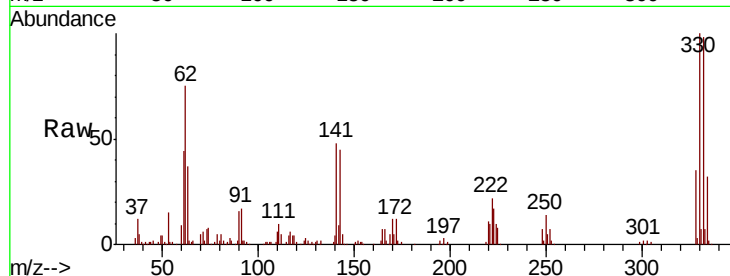




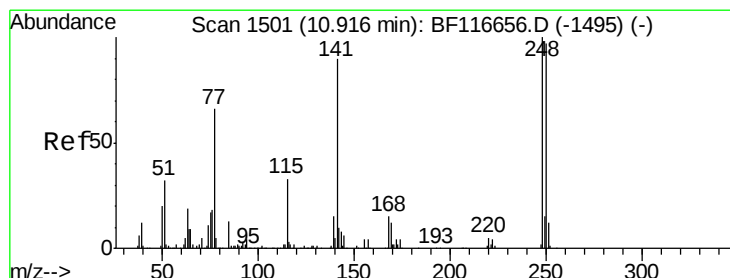
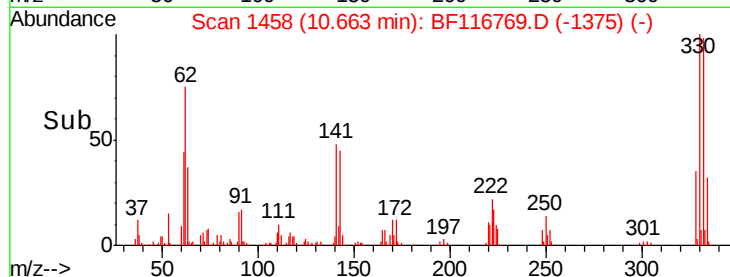
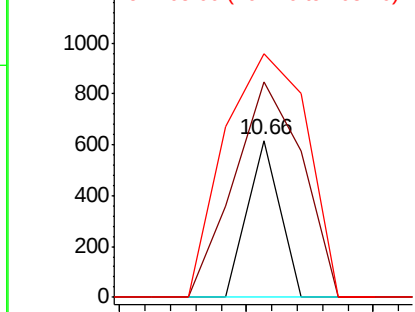
#65
4,6-Dinitro-2-methylphenol
Concen: 7.607 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 217
Ion Ratio Lower Upper
198 100
51 137.3 18.4 58.4#
105 155.5 22.9 62.9#

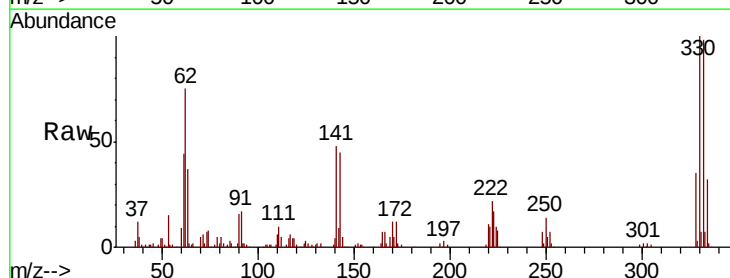


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

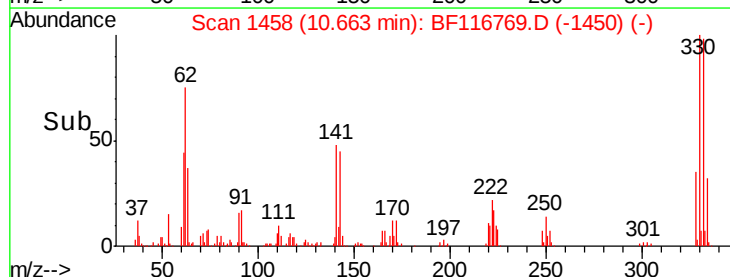
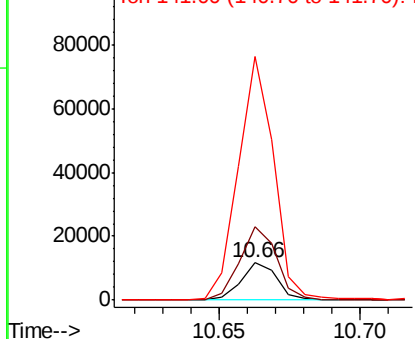


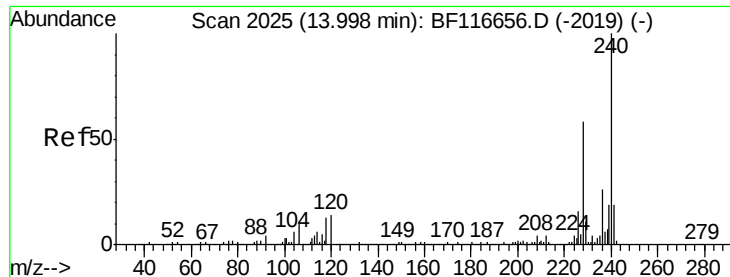
#67
4-Bromophenyl-phenylether
Concen: 3.172 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

Tgt Ion:248 Resp: 10293
Ion Ratio Lower Upper
248 100
250 195.7 77.8 116.8#
141 654.7 75.9 113.9#



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

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

Instrument :

BNA_F

ClientSampleId :

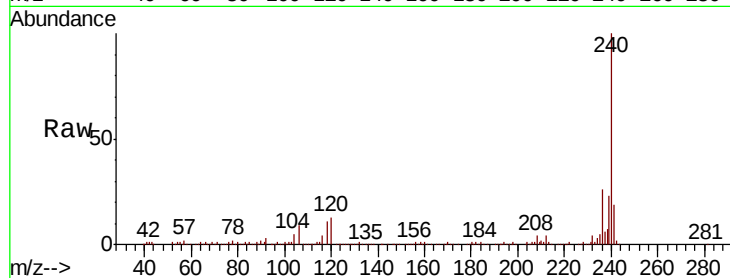
Tot Ion:240 Resp: 285693

Ion Ratio Lower Upper

240 100

120 12.9 9.1 13.7

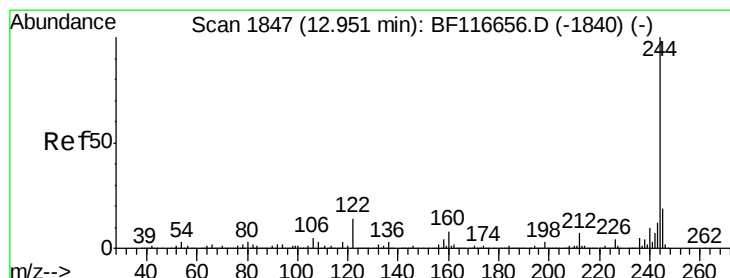
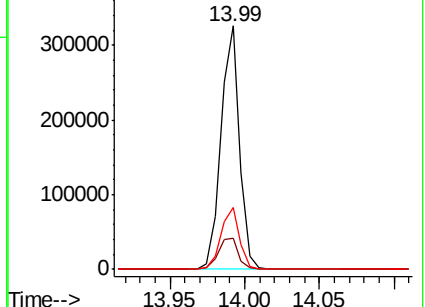
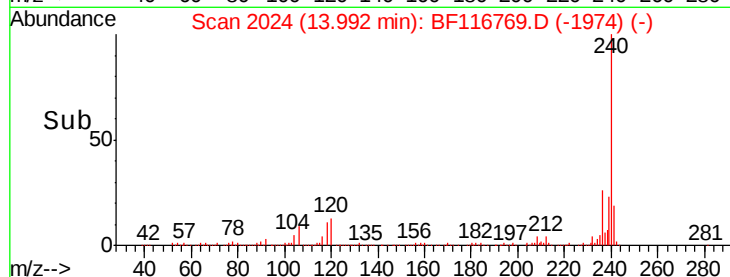
236 25.5 21.1 31.7



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: 49.943 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116769.D

Acq: 3 Sep 2019 13:50

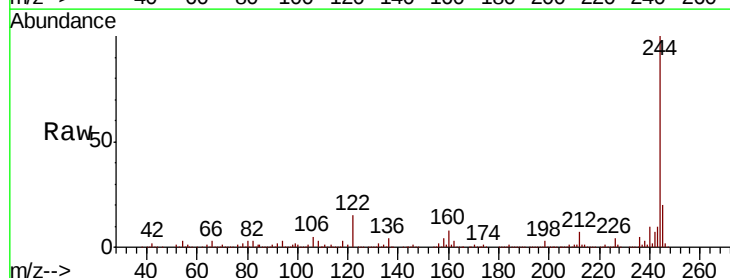
Tgt Ion:244 Resp: 771289

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

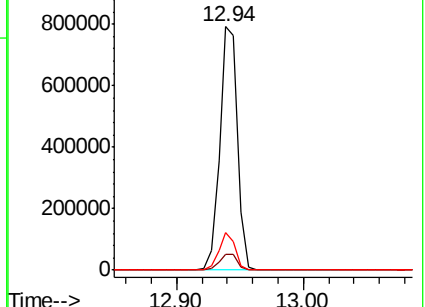
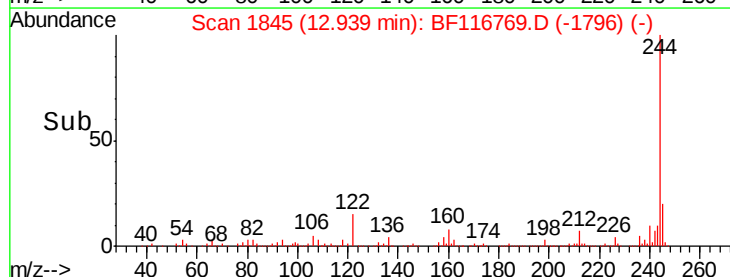
122 15.5 10.2 15.4#

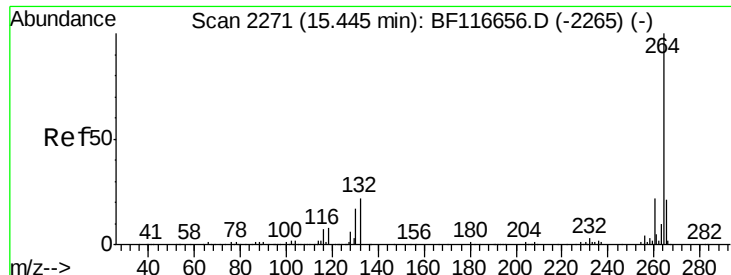


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

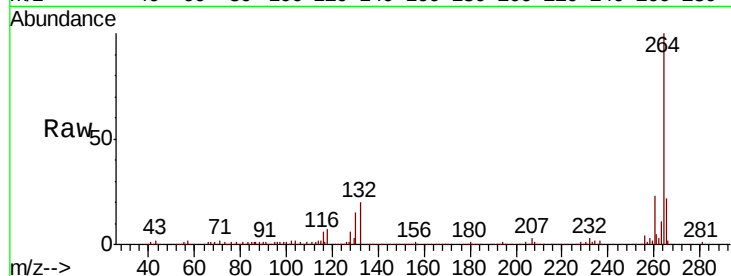




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116769.D
Acq: 3 Sep 2019 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	22.1	16.5	24.7



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

