

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116985.D
 Acq On : 12 Sep 2019 11:37
 Operator : HP/JU
 Sample : PB122992BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 15:32:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

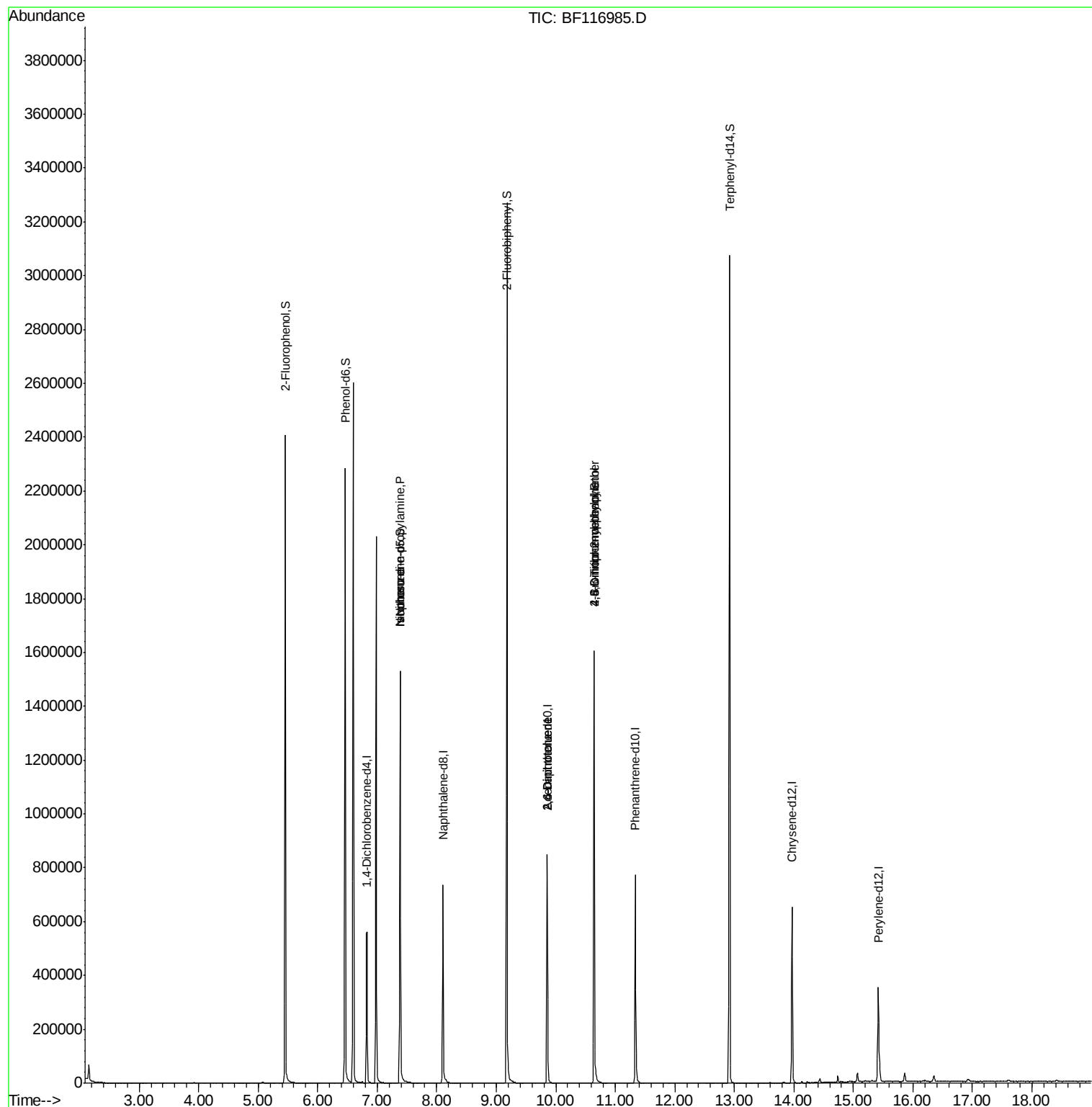
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	95476	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	374898	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	200944	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	327290	20.00	ng	0.00
76) Chrysene-d12	13.97	240	222542	20.00	ng	0.00
87) Perylene-d12	15.42	264	183796	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	701481	119.03	ng	0.02
7) Phenol-d6	6.46	99	931829	120.41	ng	0.00
23) Nitrobenzene-d5	7.39	82	592746	90.26	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	200871	149.53	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	1054708	88.54	ng	0.00
79) Terphenyl-d14	12.92	244	996182	82.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	78869	15.479	ng	# 78
25) Isophorone	7.39	82	592741	44.543	ng	# 66
51) 2,6-Dinitrotoluene	9.86	165	24907	9.410	ng	# 28
57) 2,4-Dinitrotoluene	9.86	165	24907	7.696	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	315	7.672	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	12830	3.859	ng	# 1

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

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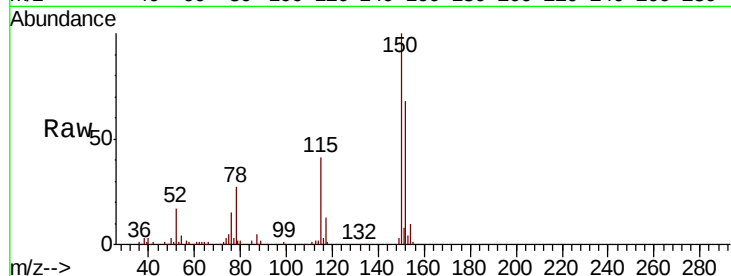


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF116985.D
Acq: 12 Sep 2019 11:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.5	126.2	189.2
115	61.0	50.2	75.2

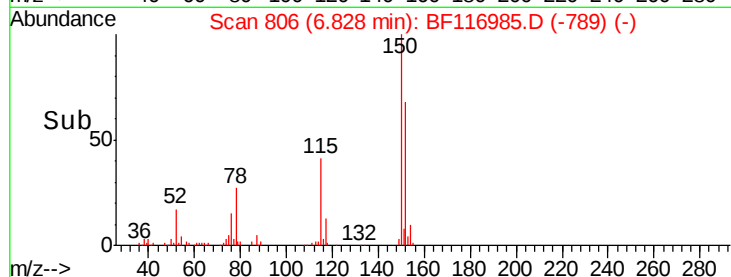
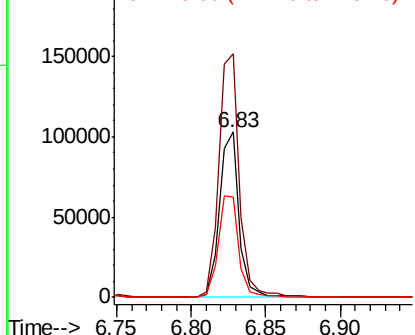


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

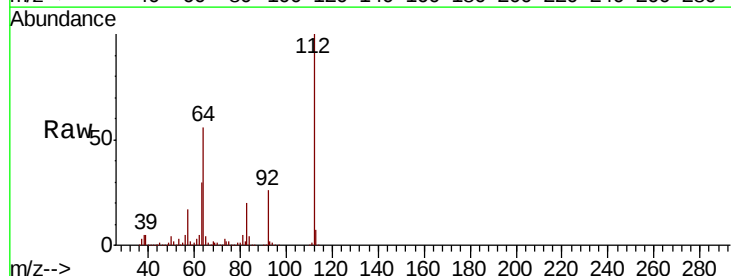
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.029 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF116985.D
Acq: 12 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.1	70.7
63	30.3	25.4	38.0

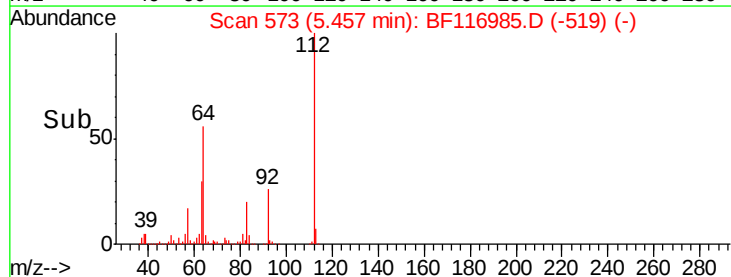
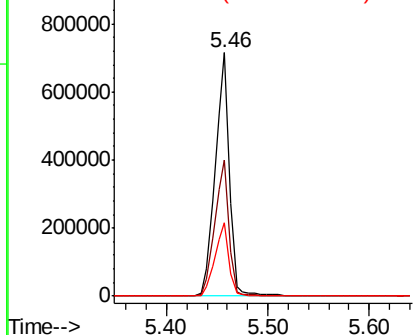


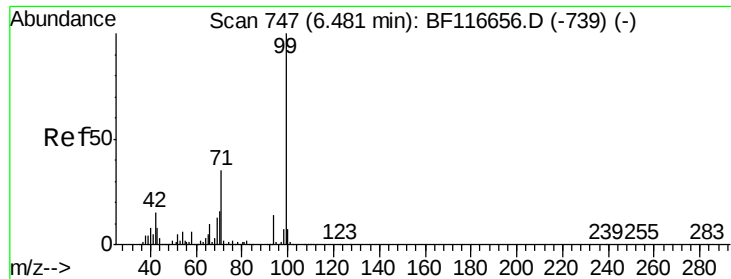
Abundance

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: 120.412 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

Instrument :

BNA_F

ClientSampled :

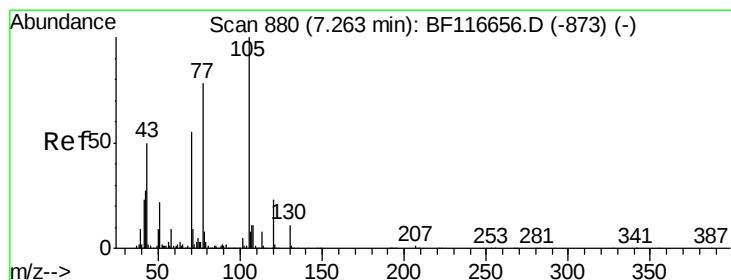
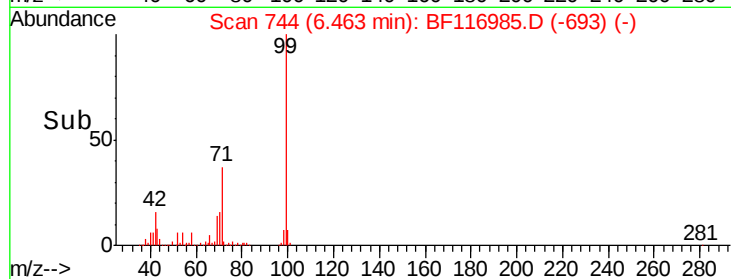
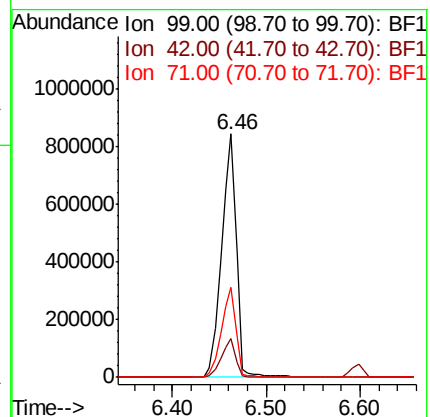
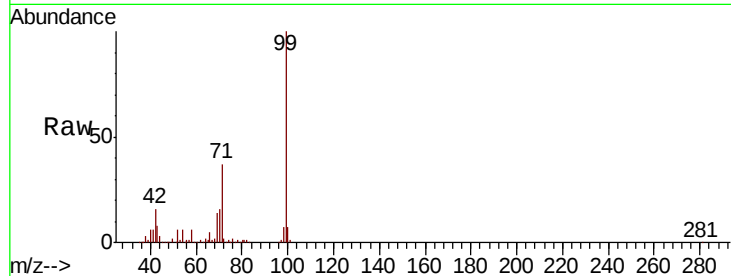
Tot Ion: 99 Resp: 931829

Ion Ratio Lower Upper

99 100

42 16.0 12.0 18.0

71 36.8 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.479 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

Tgt Ion: 70 Resp: 78869

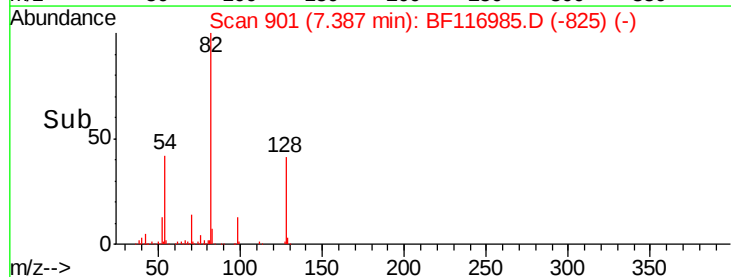
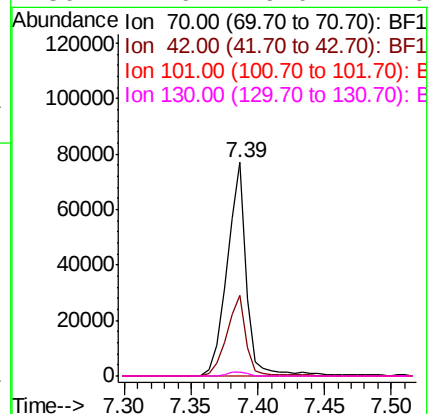
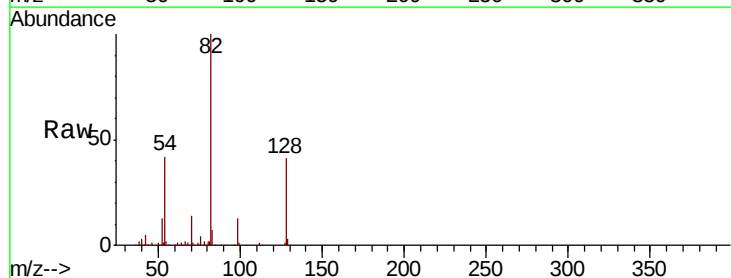
Ion Ratio Lower Upper

70 100

42 37.5 37.0 55.4

101 0.0 7.4 11.2#

130 1.9 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 374898

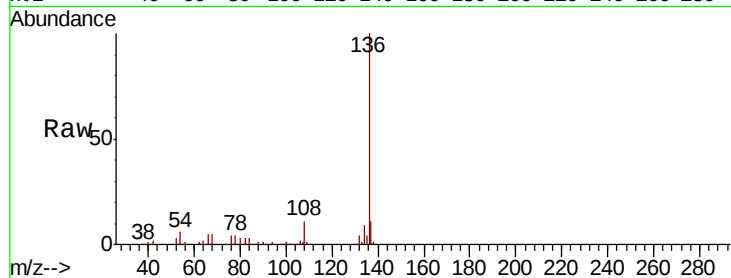
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 5.7 3.8 5.8

68 5.1 3.6 5.4

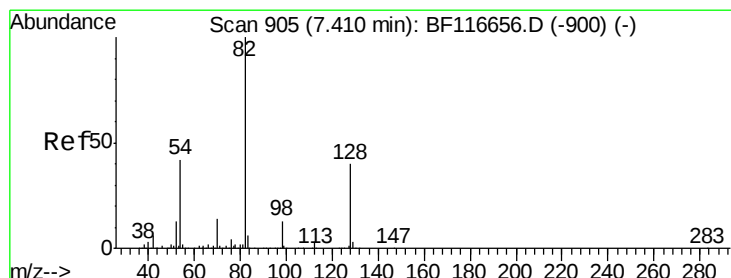
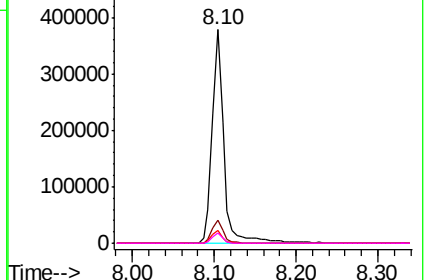
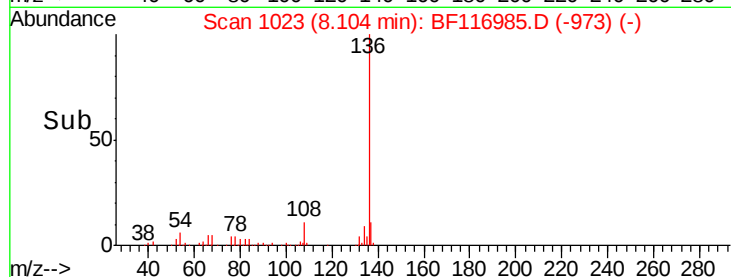


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.260 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

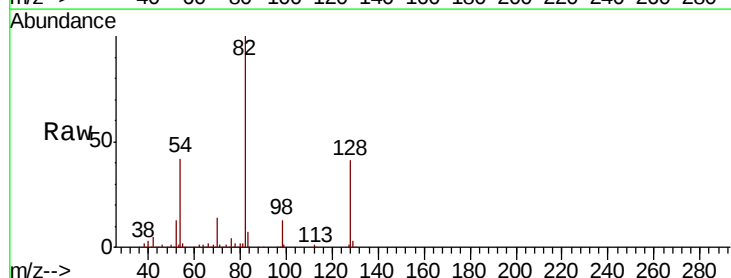
Tgt Ion: 82 Resp: 592746

Ion Ratio Lower Upper

82 100

128 41.5 35.0 52.4

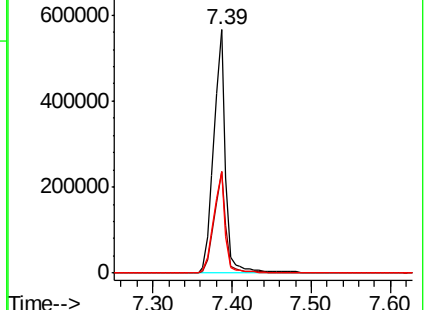
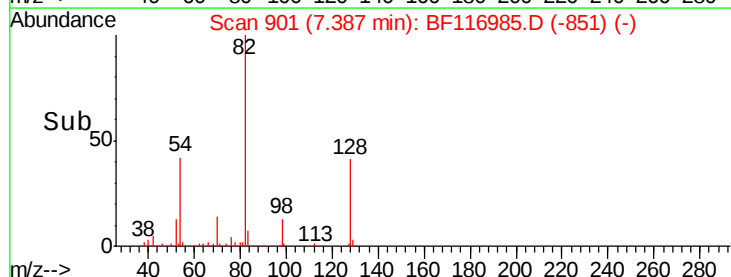
54 41.7 32.6 48.8



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: 44.543 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

Instrument :

BNA_F

ClientSampleId :

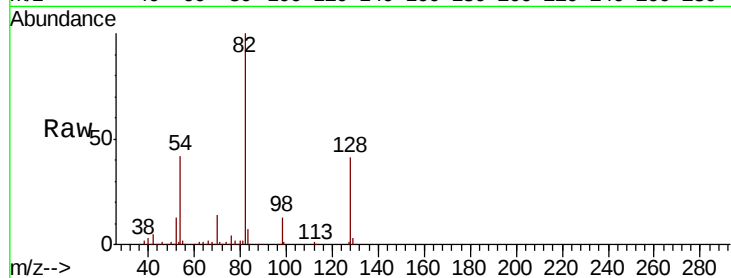
Tot Ion: 82 Resp: 592741

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

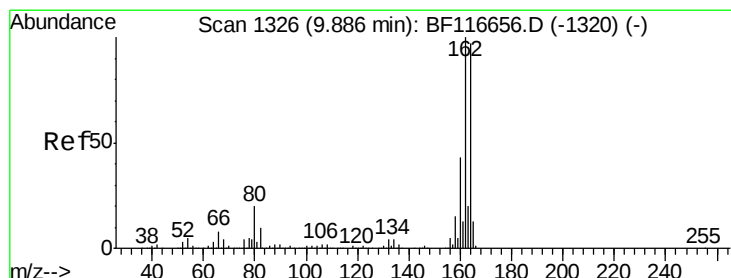
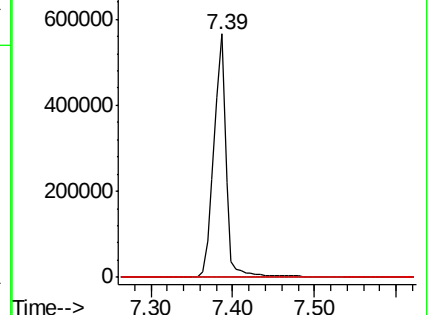
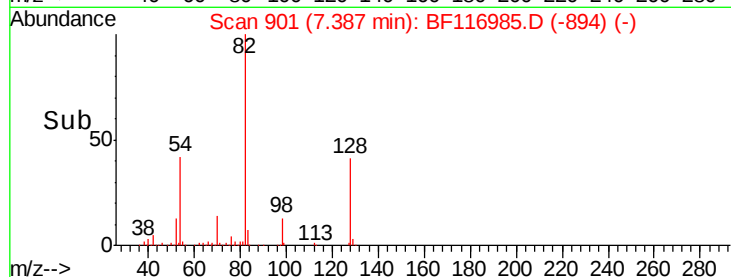
138 0.0 13.4 20.2#



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: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

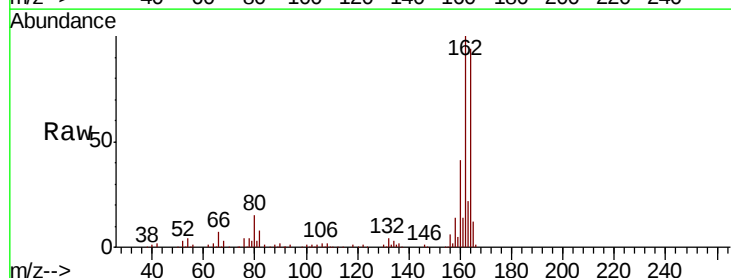
Tgt Ion: 164 Resp: 200944

Ion Ratio Lower Upper

164 100

162 106.1 81.8 122.6

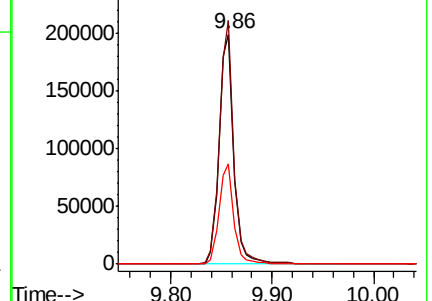
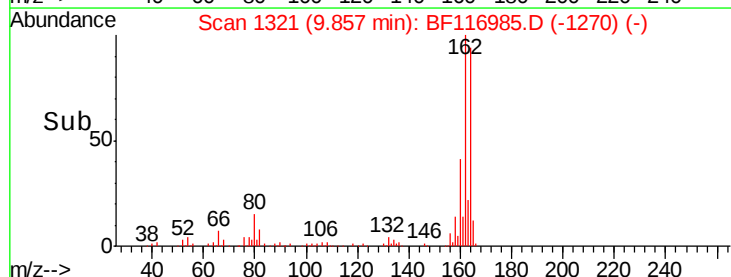
160 43.8 35.7 53.5

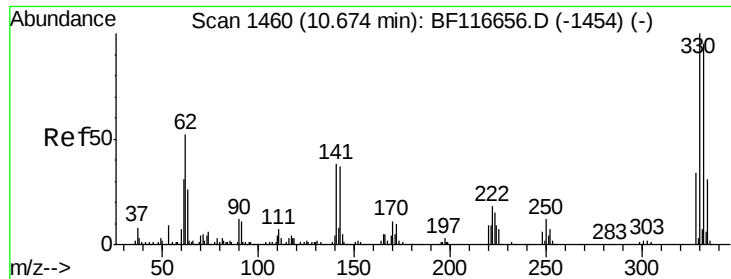


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 149.530 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

Instrument :

BNA_F

ClientSampled :

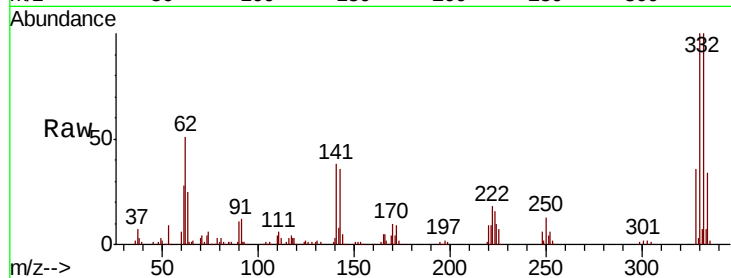
Tot Ion:330 Resp: 200871

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

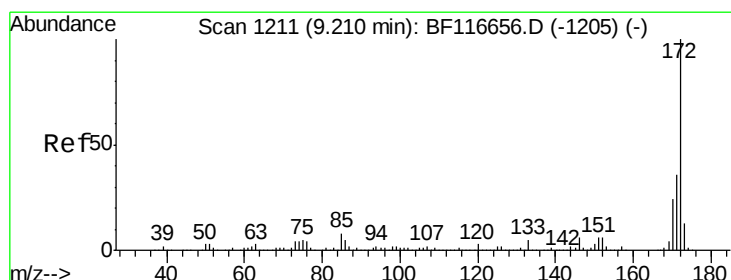
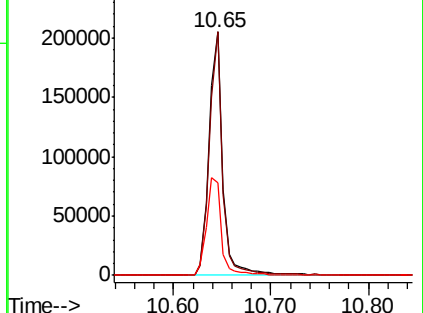
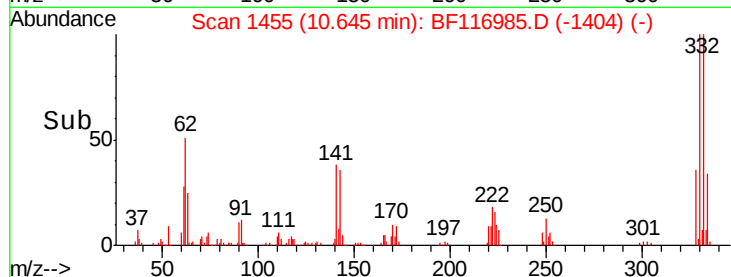
141 43.9 35.6 53.4



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: 88.541 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF116985.D

Acq: 12 Sep 2019 11:37

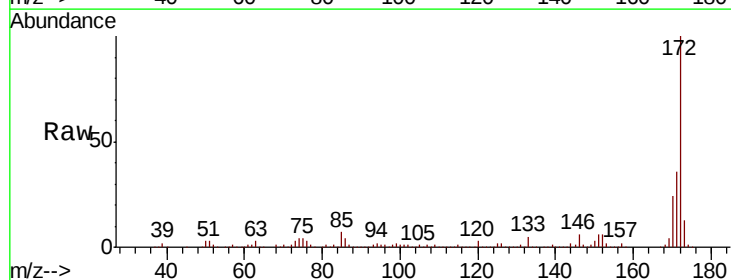
Tgt Ion:172 Resp: 1054708

Ion Ratio Lower Upper

172 100

171 36.1 29.1 43.7

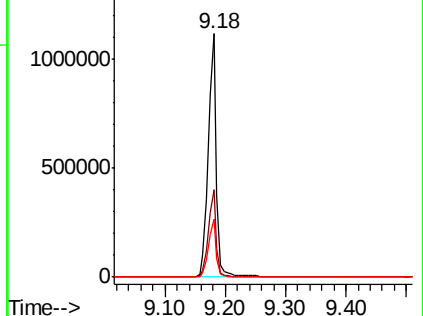
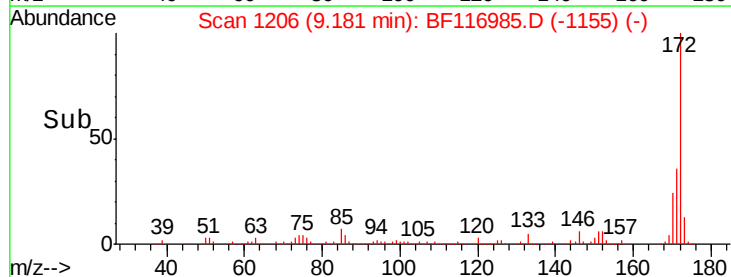
170 23.6 19.2 28.8

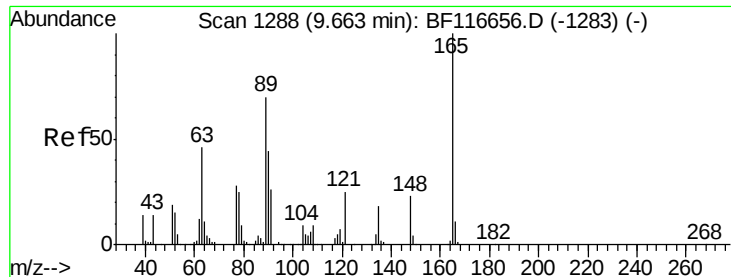


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

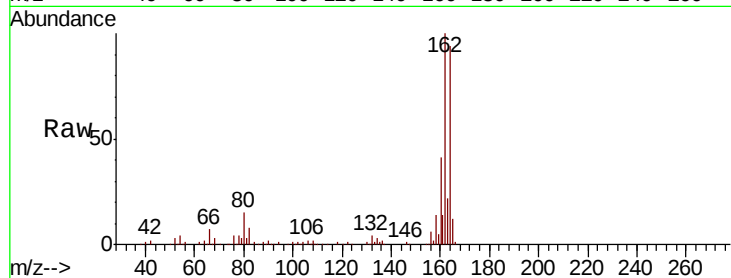




#51
 2,6-Dinitrotoluene
 Concen: 9.410 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.21 min
 Lab File: BF116985.D
 Acq: 12 Sep 2019 11:37

Instrument :
 BNA_F
 ClientSampleId :

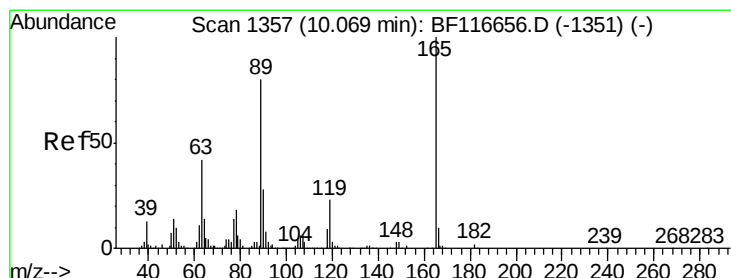
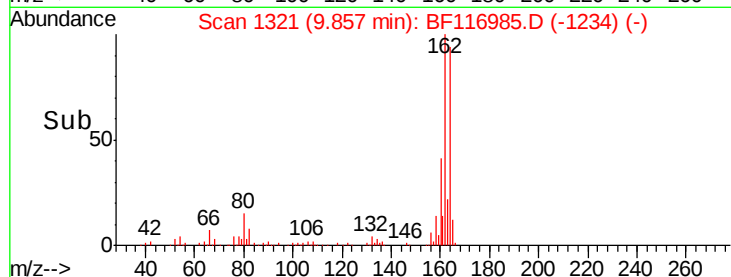
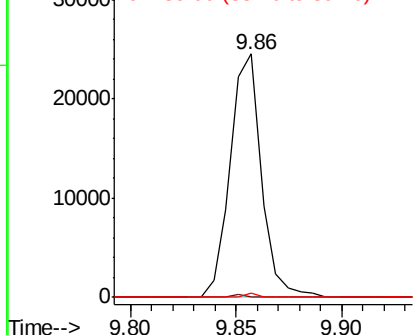
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.0	57.0#
89	1.6	44.1	66.1#



Abundance Ion 165.00 (164.70 to 165.70): E

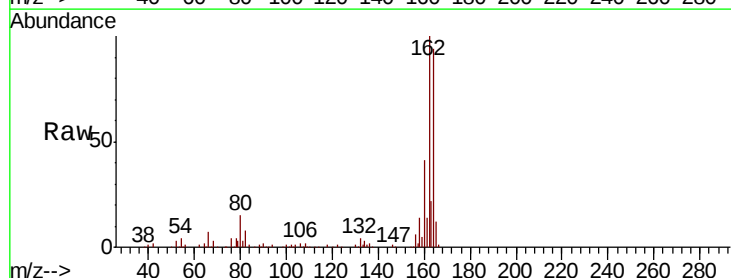
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 7.696 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF116985.D
 Acq: 12 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.2#
89	1.6	66.1	99.1#
182	0.0	1.8	2.8#

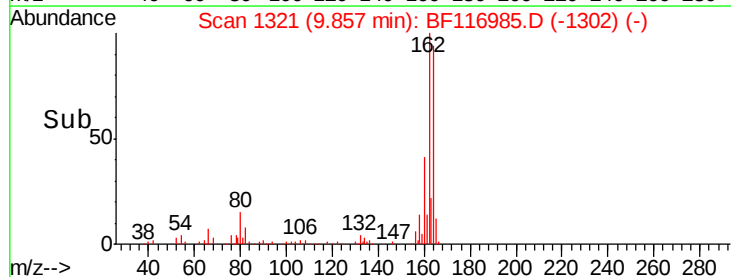
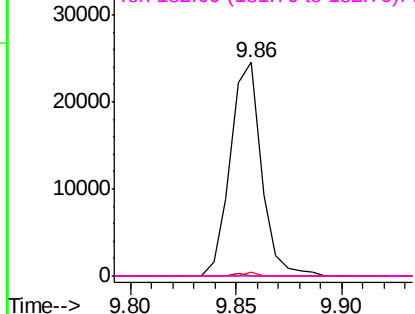


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

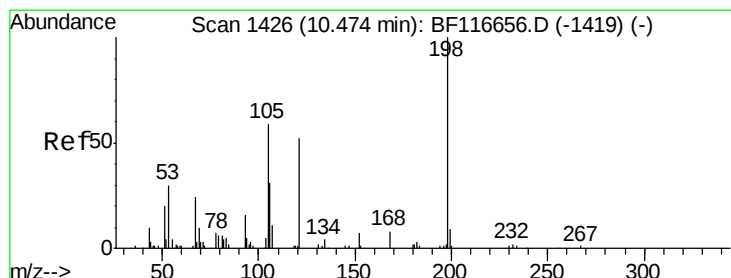
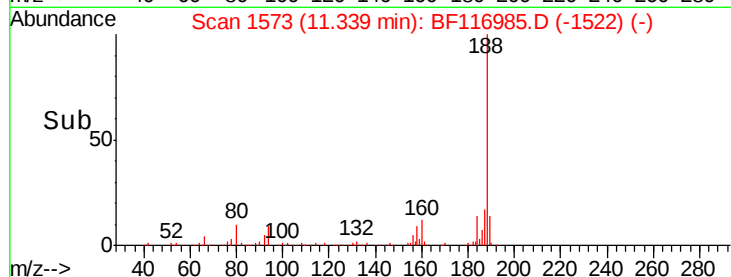
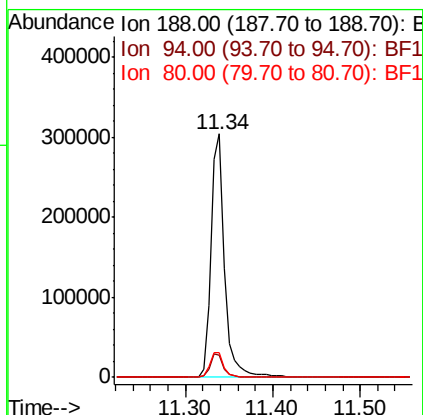
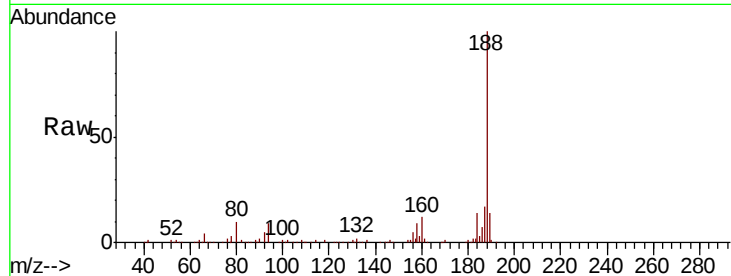




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF116985.D
Acq: 12 Sep 2019 11:37

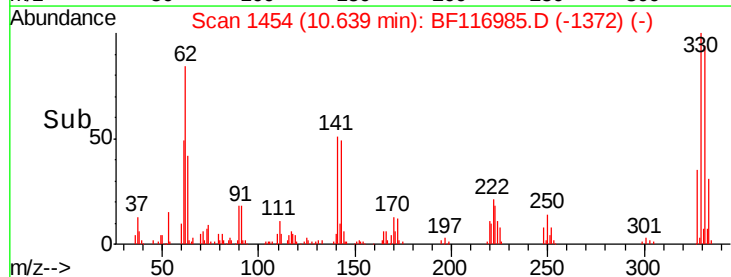
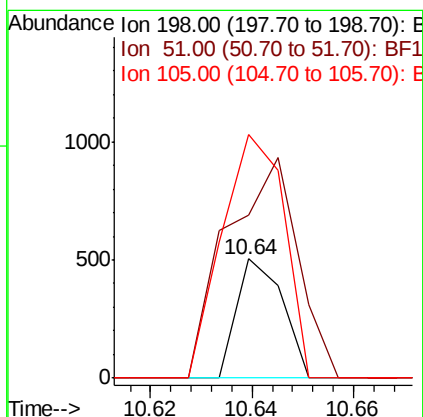
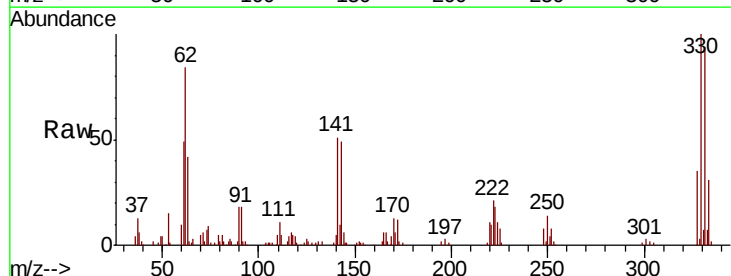
Instrument :
BNA_F
ClientSampleId :

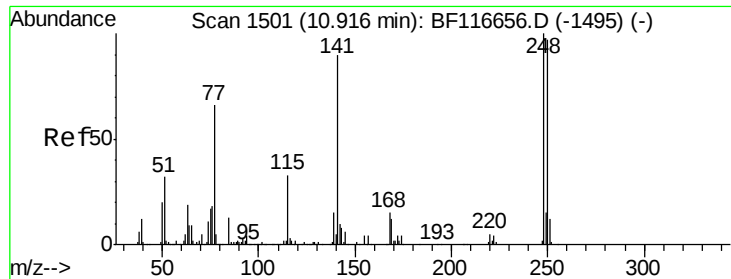
Tot Ion:188 Resp: 327290
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 10.2 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 7.672 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF116985.D
Acq: 12 Sep 2019 11:37

Tgt Ion:198 Resp: 315
Ion Ratio Lower Upper
198 100
51 137.2 26.3 66.3#
105 204.8 40.0 80.0#

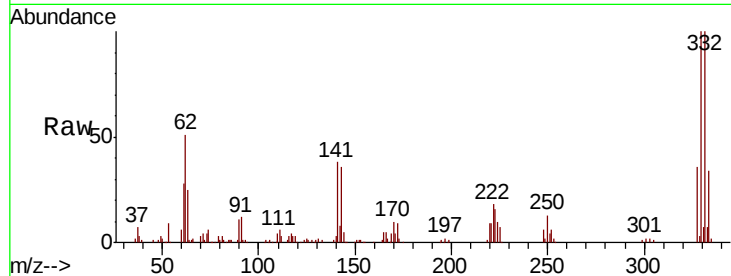




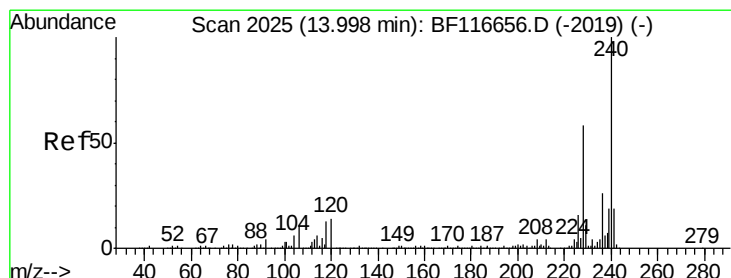
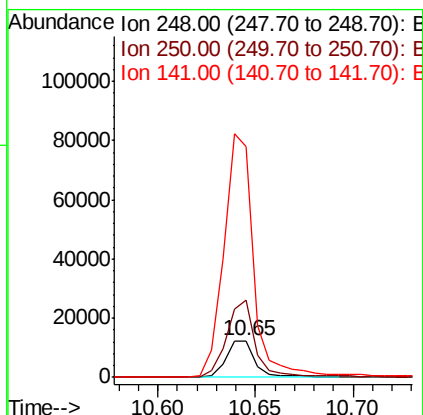
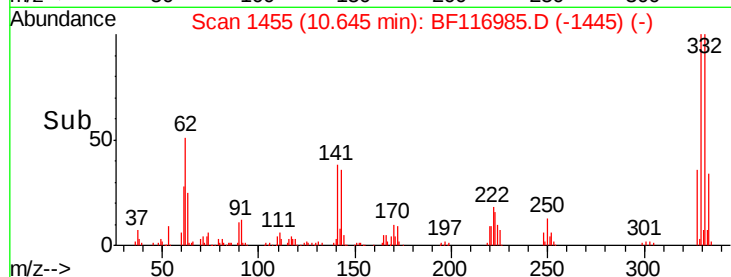
#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF116985.D
Acq: 12 Sep 2019 11:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12830
Ion Ratio Lower Upper
248 100
250 209.3 77.0 115.4#
141 628.7 70.2 105.2#

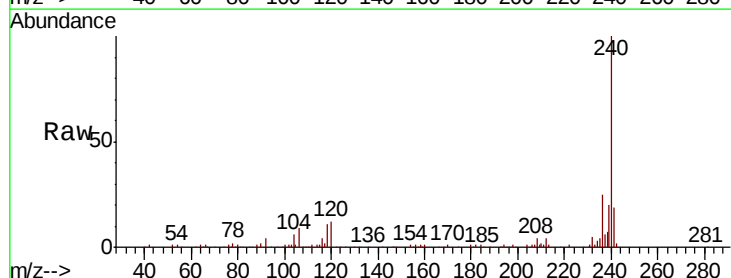


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

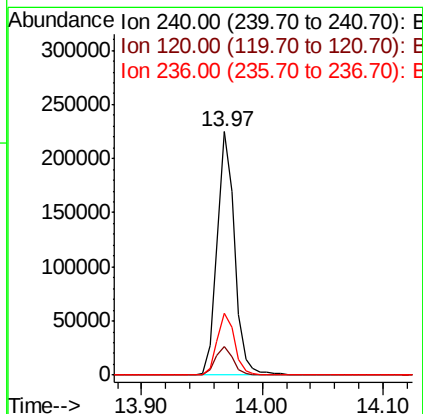
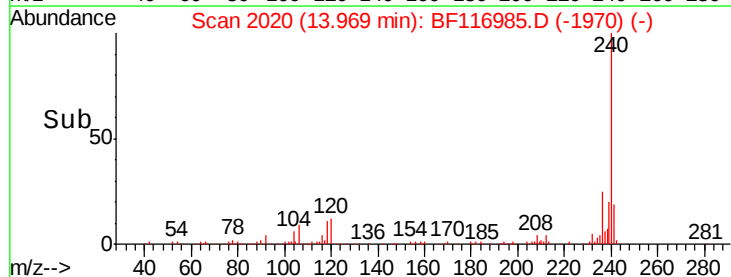


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116985.D
Acq: 12 Sep 2019 11:37

Tgt Ion:240 Resp: 222542
Ion Ratio Lower Upper
240 100
120 11.6 9.1 13.7
236 25.2 20.9 31.3



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

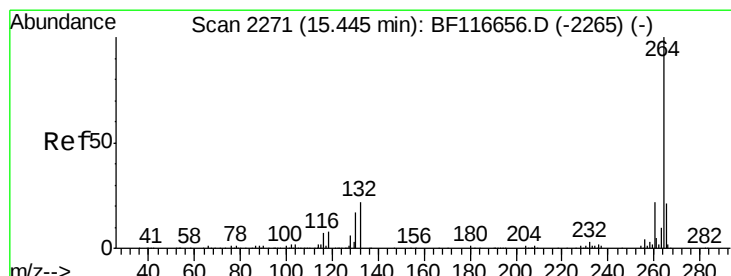
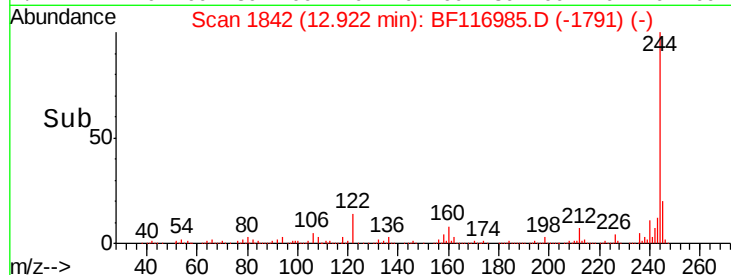
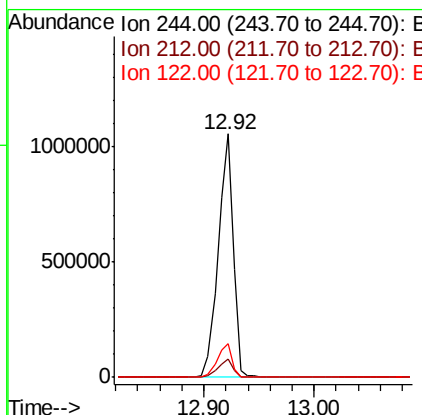
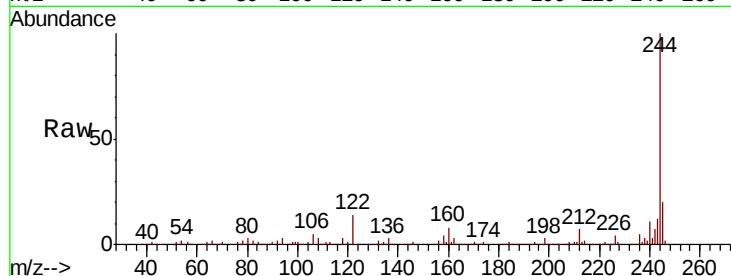




#79
 Terphenyl-d14
 Concen: 82.810 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF116985.D
 Acq: 12 Sep 2019 11:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 996182
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 13.9 11.5 17.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: BF116985.D
 Acq: 12 Sep 2019 11:37

Tgt Ion:264 Resp: 183796
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.0 28.4
 265 22.4 17.9 26.9

