

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116989.D
 Acq On : 12 Sep 2019 13:24
 Operator : HP/JU
 Sample : PB123013BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 14:28:14 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

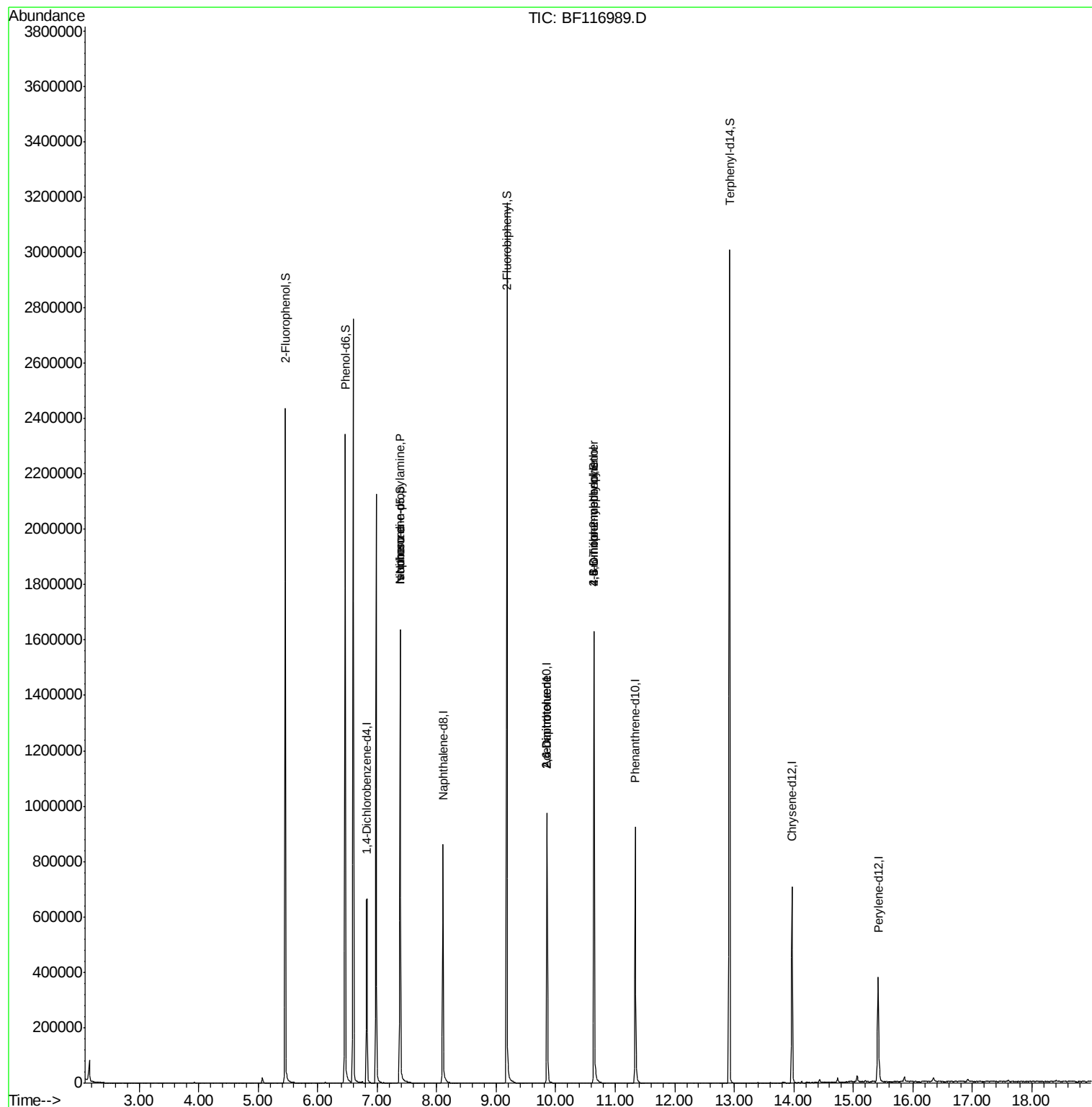
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	108590	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	442612	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	234510	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	385940	20.00	ng	0.00
76) Chrysene-d12	13.97	240	246832	20.00	ng	0.00
87) Perylene-d12	15.42	264	205094	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	722688	107.82	ng	0.02
7) Phenol-d6	6.46	99	967779	109.96	ng	0.00
23) Nitrobenzene-d5	7.39	82	621350	80.14	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	209033	133.33	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	1084250	77.99	ng	0.00
79) Terphenyl-d14	12.92	244	1024160	76.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	81211	14.013	ng	# 78
25) Isophorone	7.39	82	621346	39.549	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	30276	9.801	ng	# 28
57) 2,4-Dinitrotoluene	9.85	165	30276	8.016	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.65	198	373	7.673	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	13285	3.388	ng	# 1

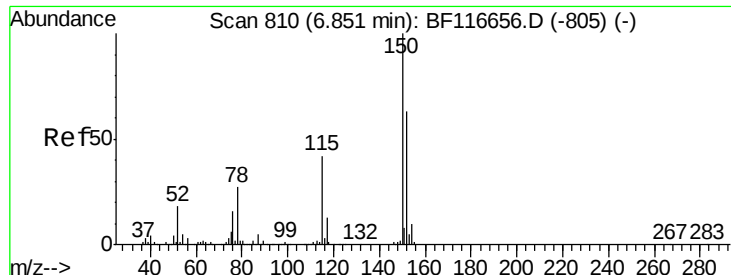
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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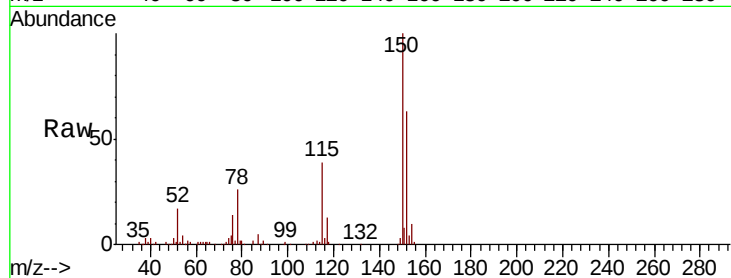


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF116989.D
Acq: 12 Sep 2019 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.2	189.2
115	62.5	50.2	75.2

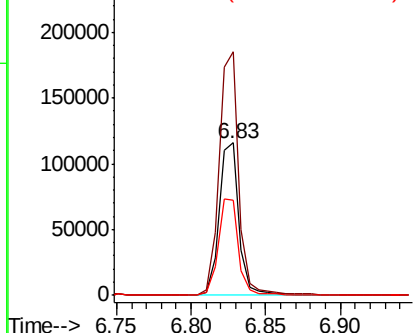
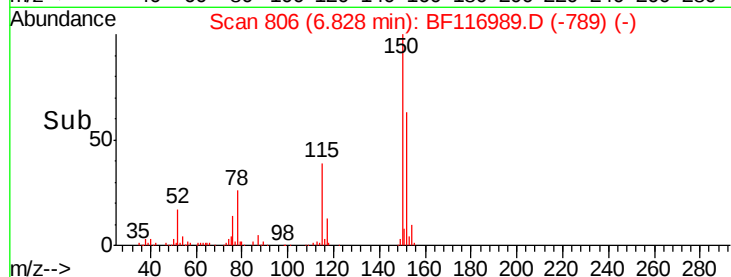


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

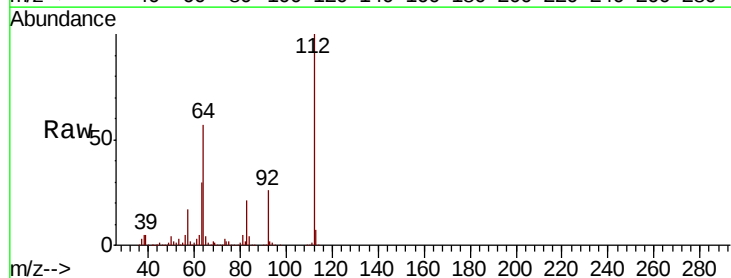
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.818 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF116989.D
Acq: 12 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.1	70.7
63	30.1	25.4	38.0

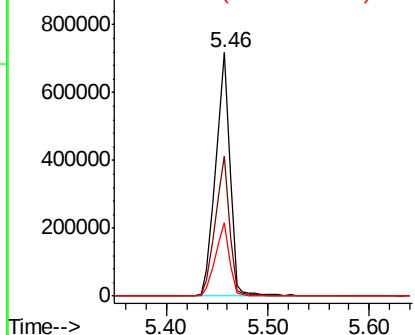
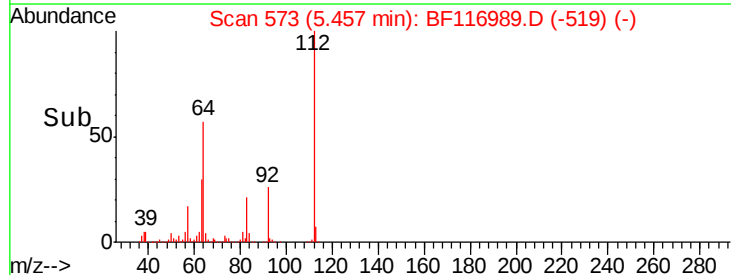


Abundance

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: 109.955 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

Instrument :

BNA_F

ClientSampleId :

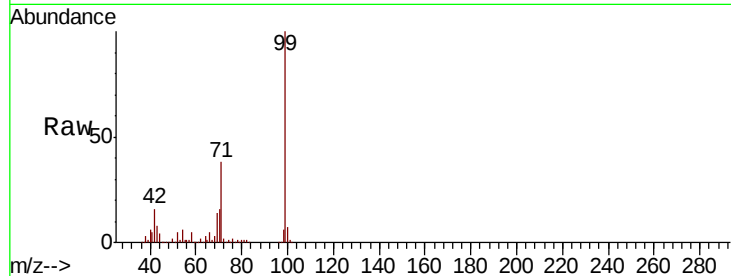
Tot Ion: 99 Resp: 967779

Ion Ratio Lower Upper

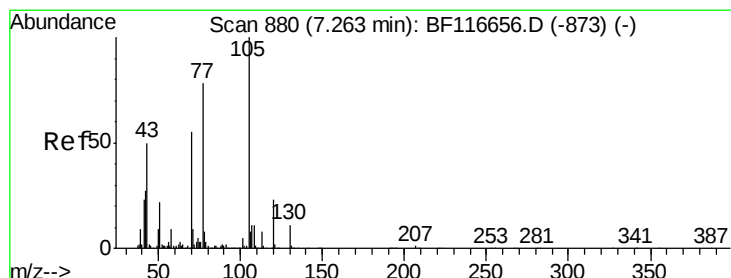
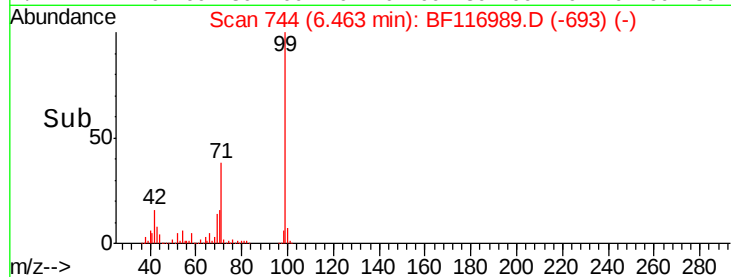
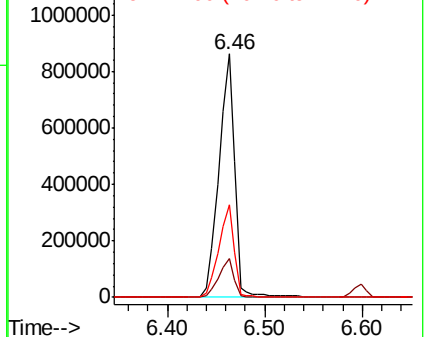
99 100

42 16.0 12.0 18.0

71 38.0 29.7 44.5



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: 14.013 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

Tgt Ion: 70 Resp: 81211

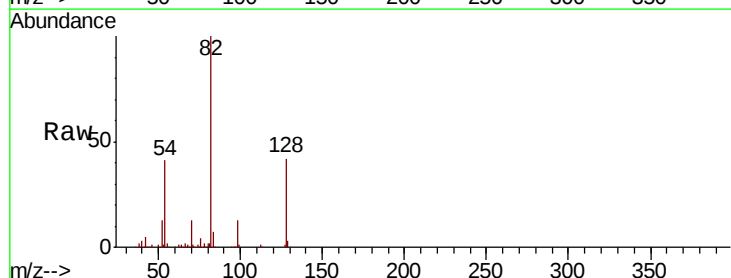
Ion Ratio Lower Upper

70 100

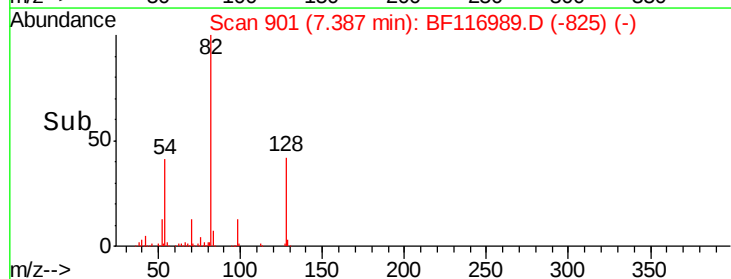
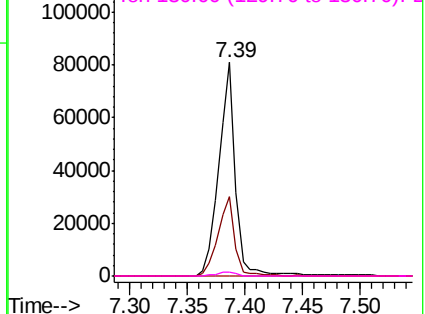
42 37.3 37.0 55.4

101 0.0 7.4 11.2#

130 2.1 16.0 24.0#



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: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 442612

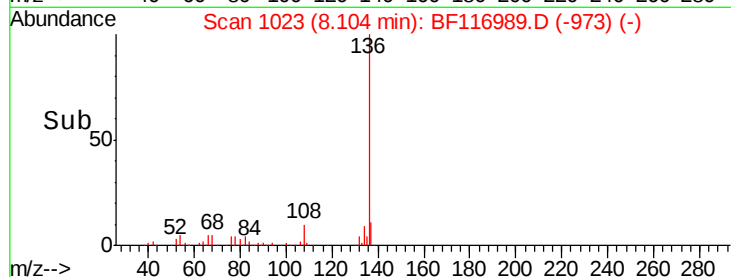
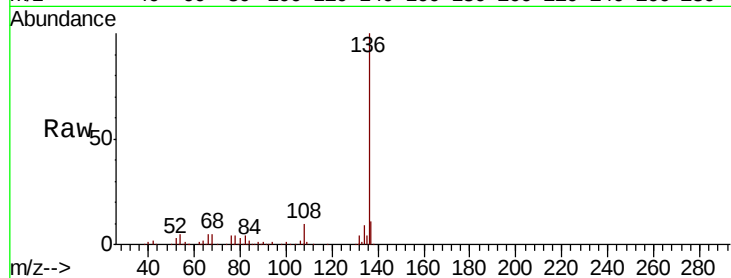
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 5.1 3.8 5.8

68 4.6 3.6 5.4

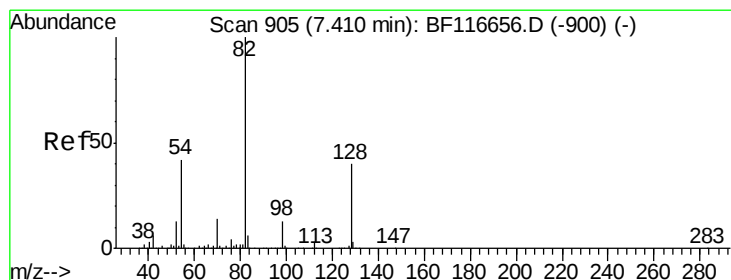
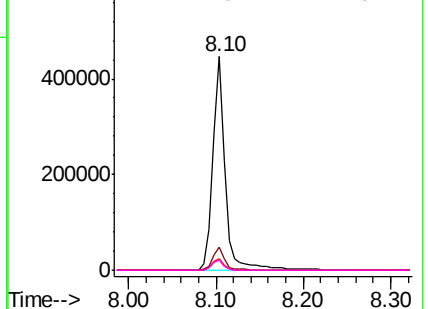


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.141 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

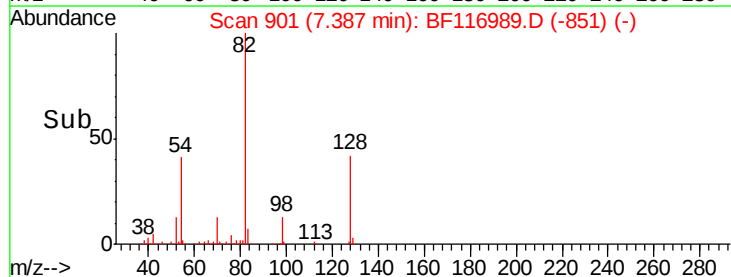
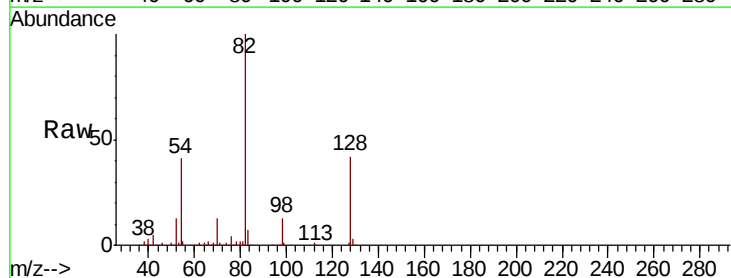
Tgt Ion: 82 Resp: 621350

Ion Ratio Lower Upper

82 100

128 42.0 35.0 52.4

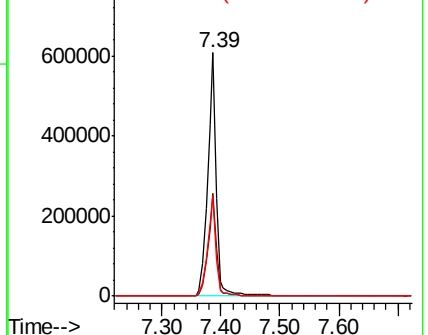
54 41.0 32.6 48.8

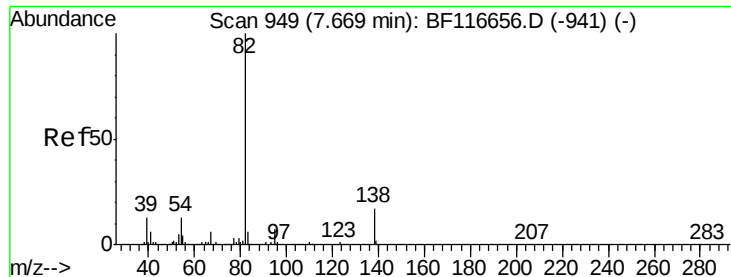


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.549 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

Instrument :

BNA_F

ClientSampleId :

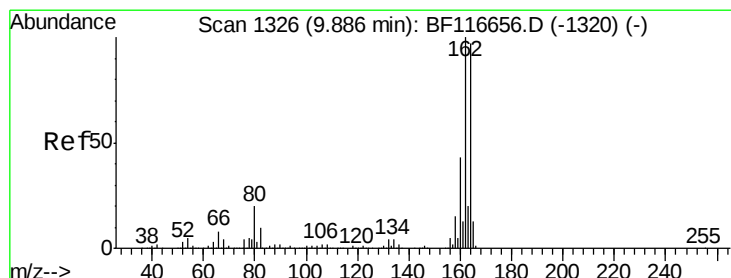
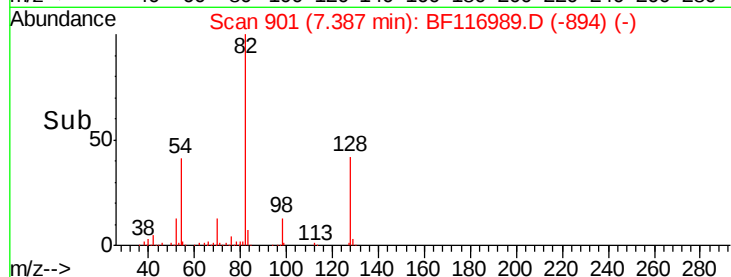
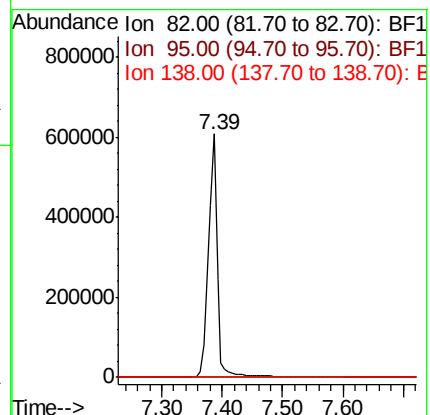
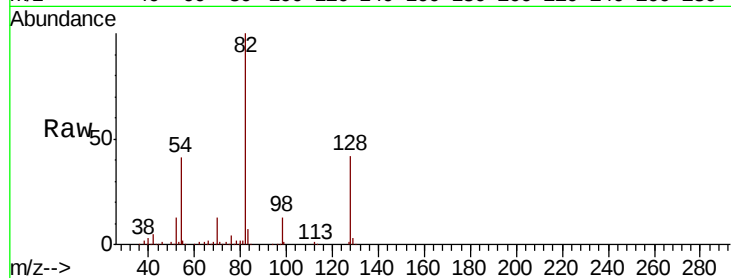
Tot Ion: 82 Resp: 621346

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

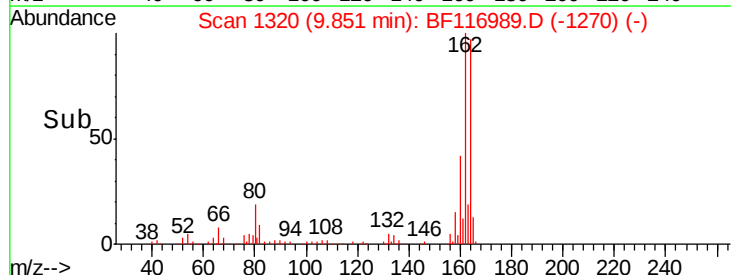
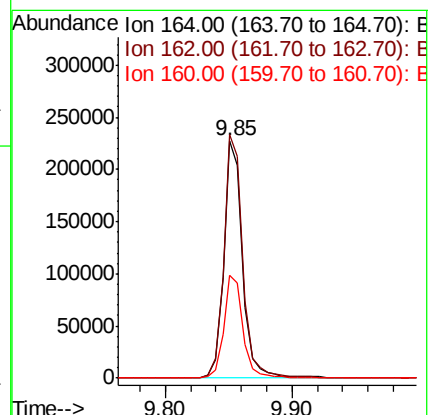
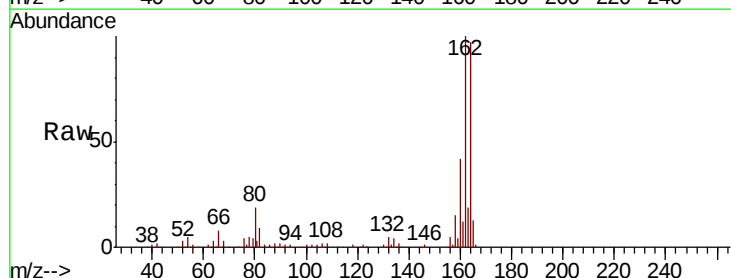
Tgt Ion: 164 Resp: 234510

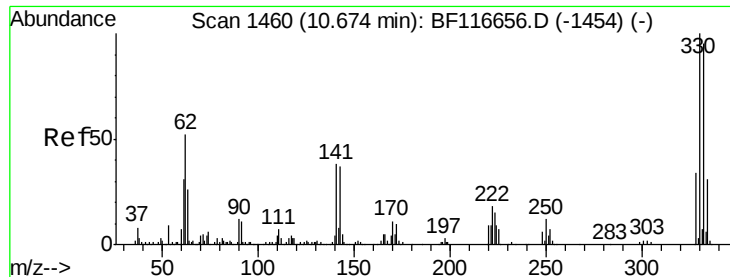
Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.6

160 43.3 35.7 53.5

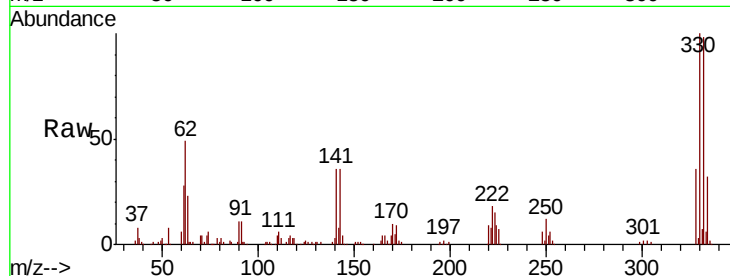




#42
 2,4,6-Tribromophenol
 Concen: 133.333 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF116989.D
 Acq: 12 Sep 2019 13:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	Resp	209033
Ion Ratio	100	Lower	Upper
330	100		
332	98.3	75.9	113.9
141	44.2	35.6	53.4

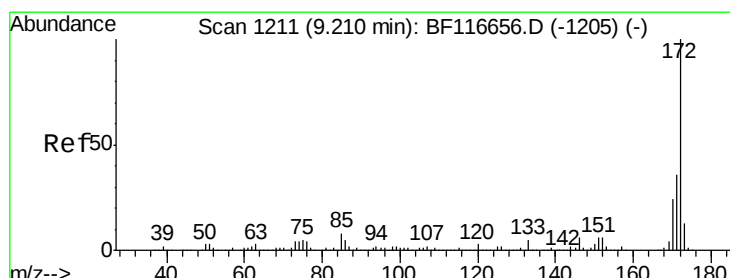
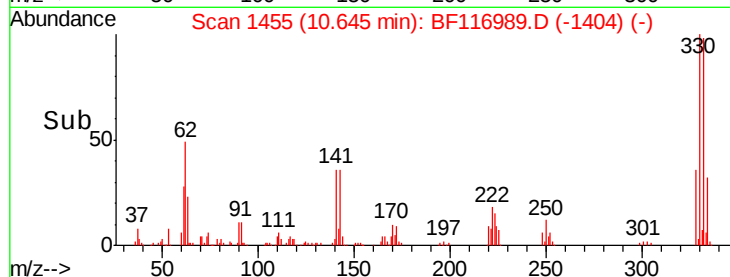
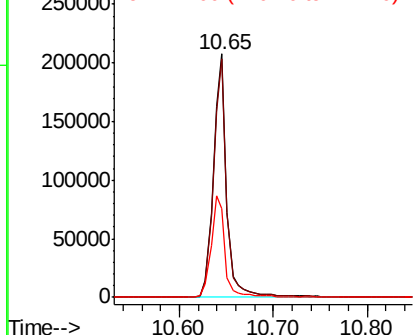


Abundance

Ion 329.80 (329.50 to 330.50): E

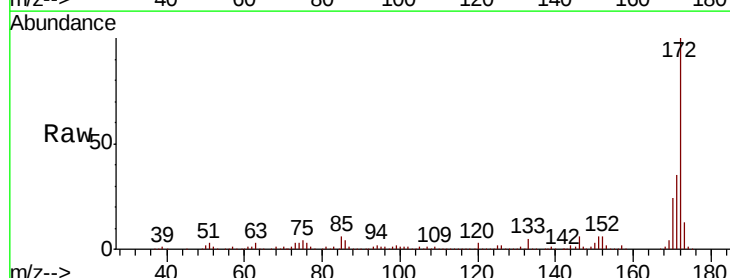
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.993 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BF116989.D
 Acq: 12 Sep 2019 13:24

Tgt Ion	172	Resp	1084250
Ion Ratio	100	Lower	Upper
172	100		
171	34.7	29.1	43.7
170	23.5	19.2	28.8

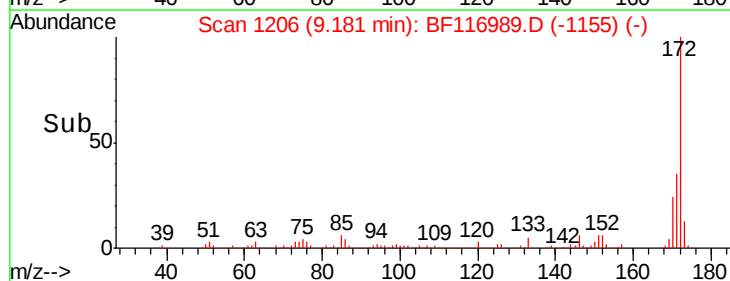
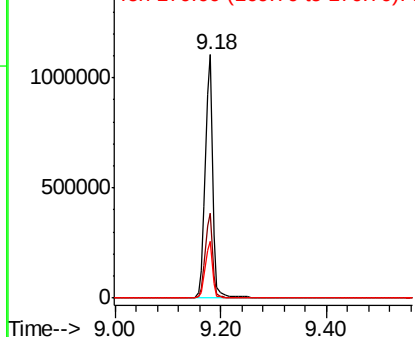


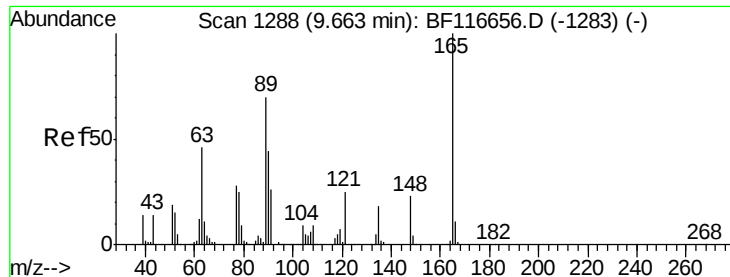
Abundance

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

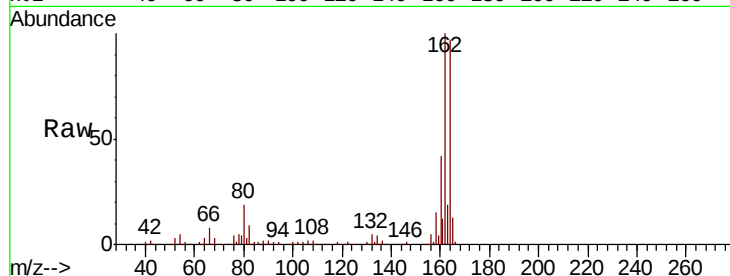




#51
 2,6-Dinitrotoluene
 Concen: 9.801 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF116989.D
 Acq: 12 Sep 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :

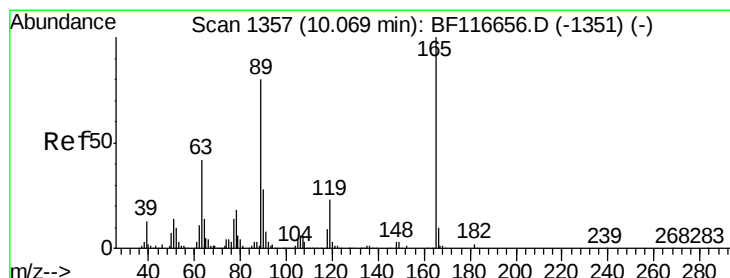
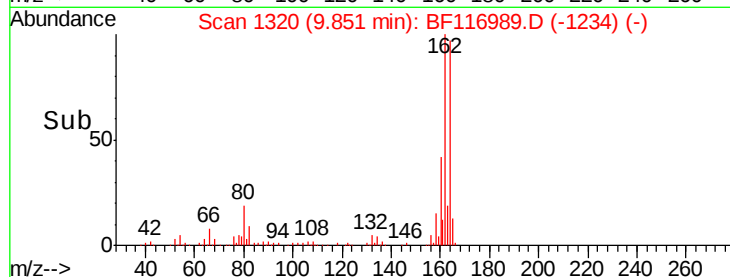
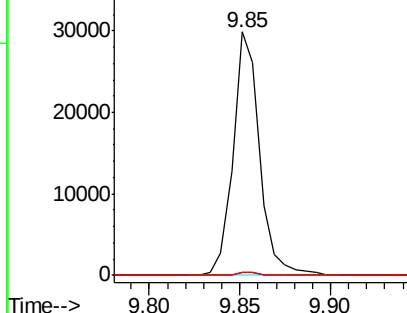
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.0	57.0#
89	1.4	44.1	66.1#



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: 8.016 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF116989.D
 Acq: 12 Sep 2019 13:24

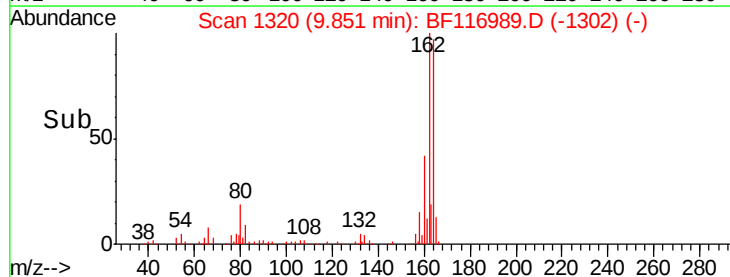
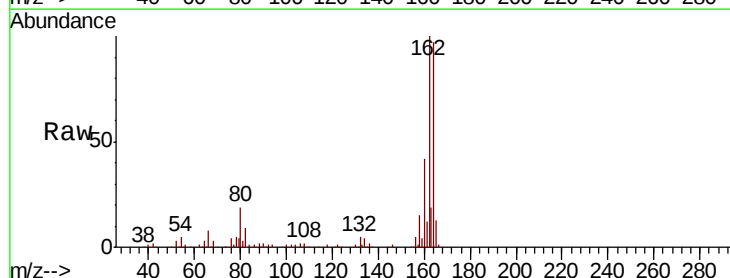
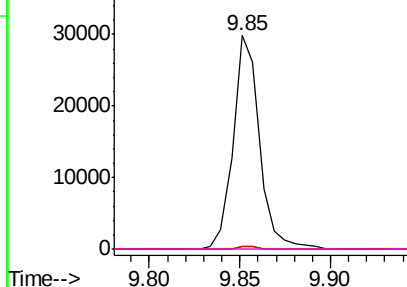
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.2	54.2#
89	1.4	66.1	99.1#
182	0.0	1.8	2.8#

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: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

Instrument :

BNA_F

ClientSampleId :

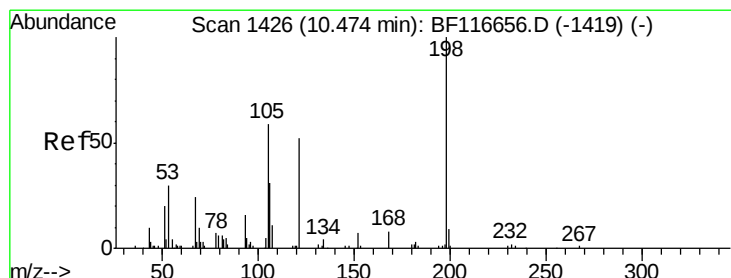
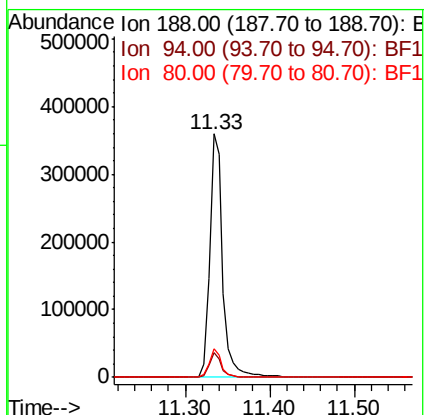
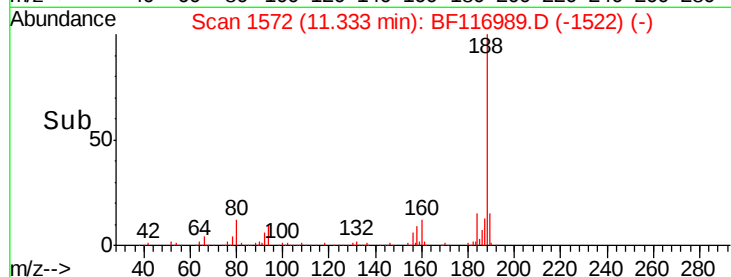
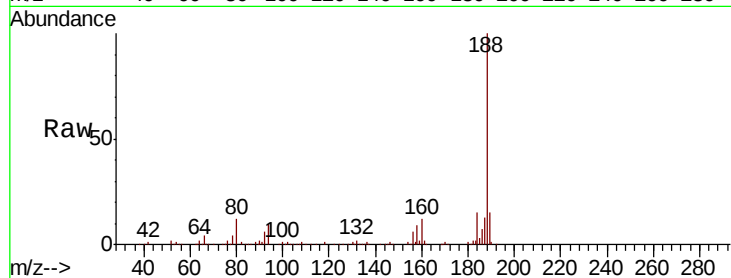
Tot Ion:188 Resp: 385940

Ion Ratio Lower Upper

188 100

94 10.4 7.4 11.2

80 11.6 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 7.673 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF116989.D

Acq: 12 Sep 2019 13:24

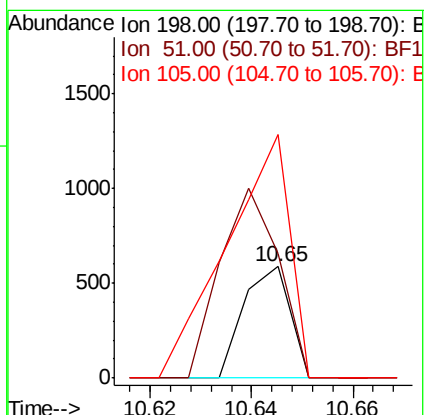
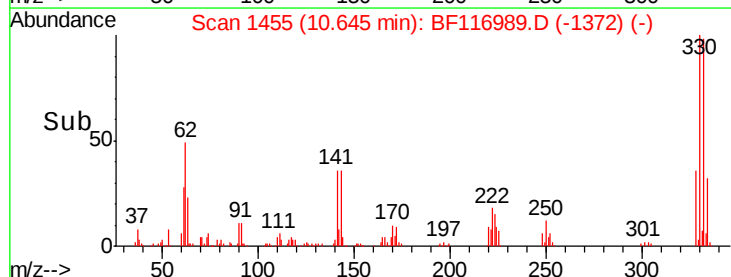
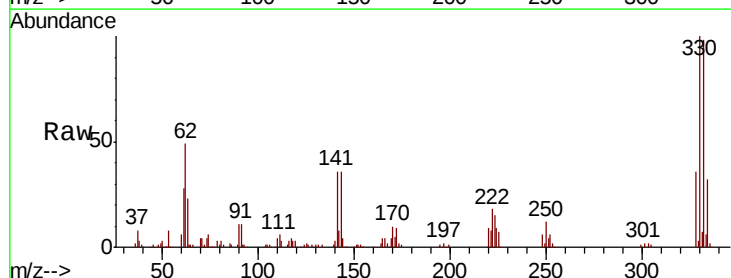
Tgt Ion:198 Resp: 373

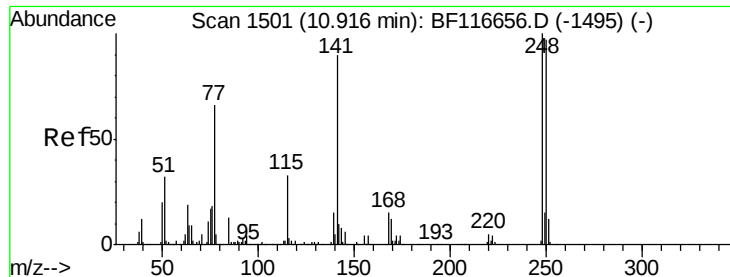
Ion Ratio Lower Upper

198 100

51 111.6 26.3 66.3#

105 218.5 40.0 80.0#

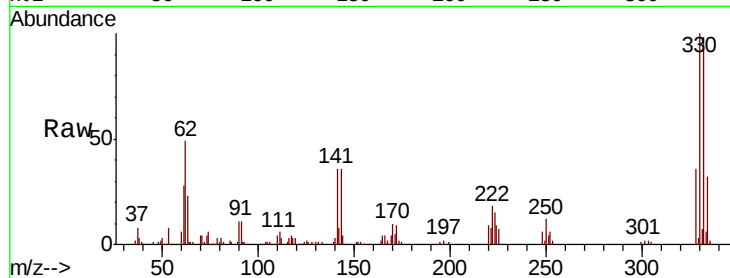




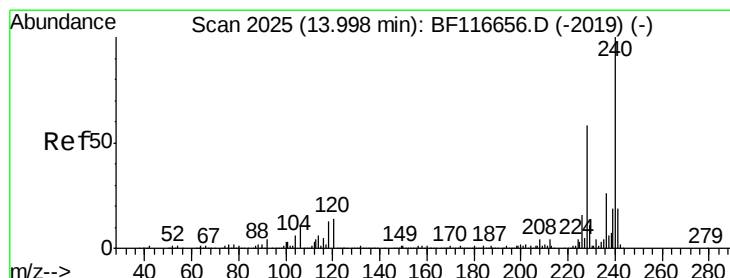
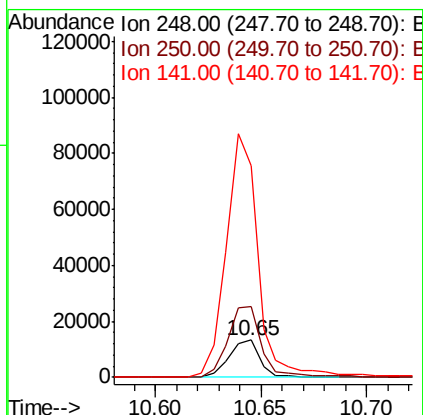
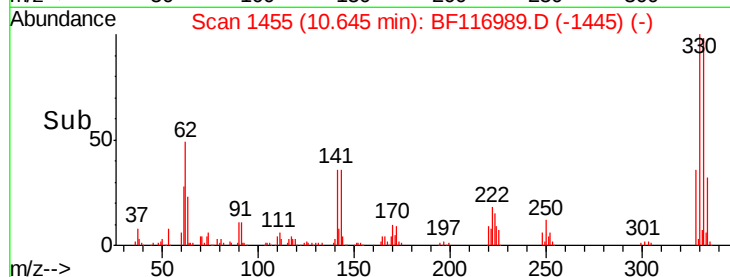
#67
4-Bromophenyl-phenylether
Concen: 3.388 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF116989.D
Acq: 12 Sep 2019 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13285
Ion Ratio Lower Upper
248 100
250 190.6 77.0 115.4#
141 572.3 70.2 105.2#

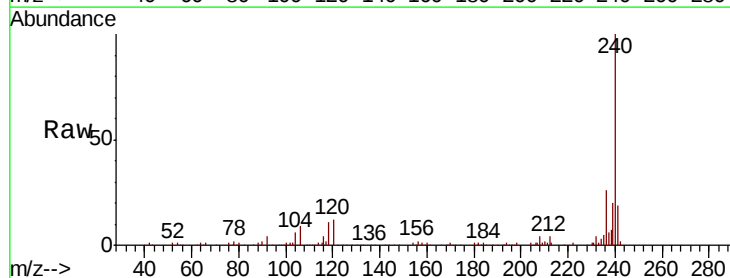


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

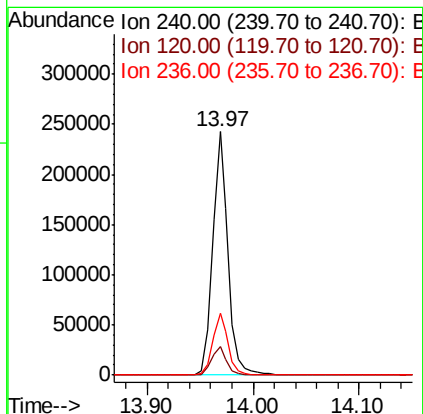
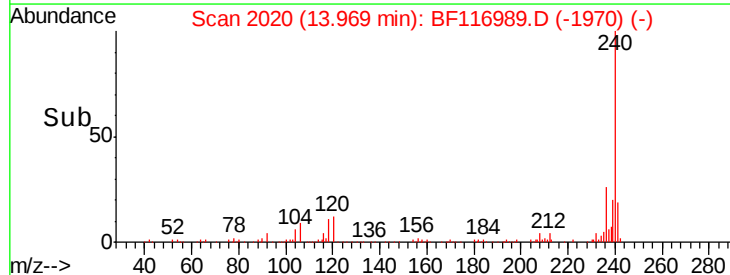


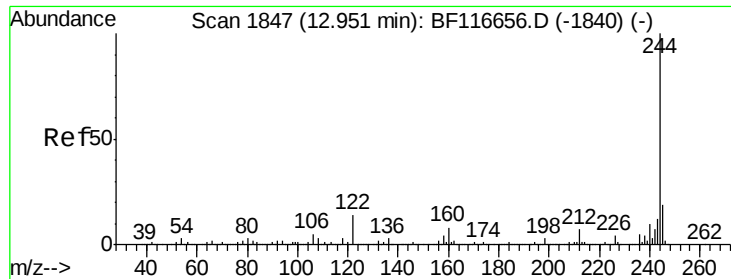
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116989.D
Acq: 12 Sep 2019 13:24

Tgt Ion:240 Resp: 246832
Ion Ratio Lower Upper
240 100
120 11.7 9.1 13.7
236 25.5 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

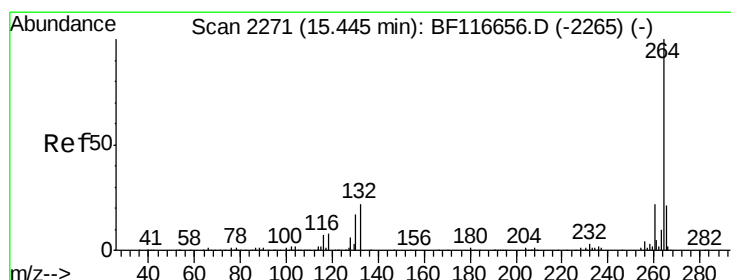
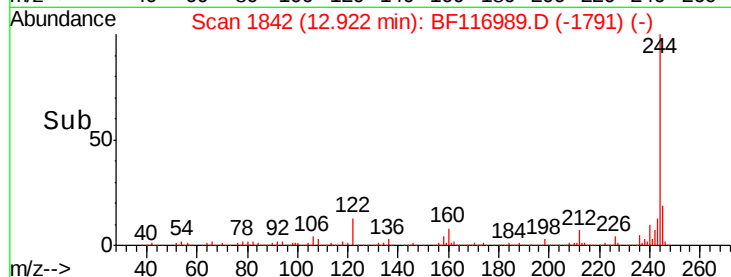
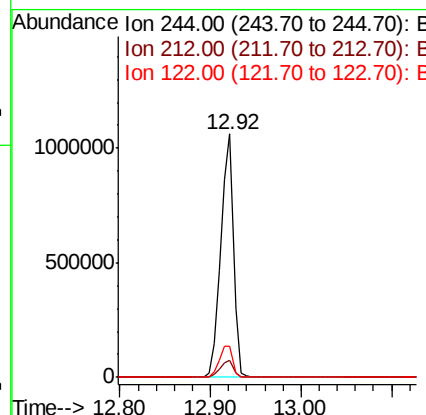
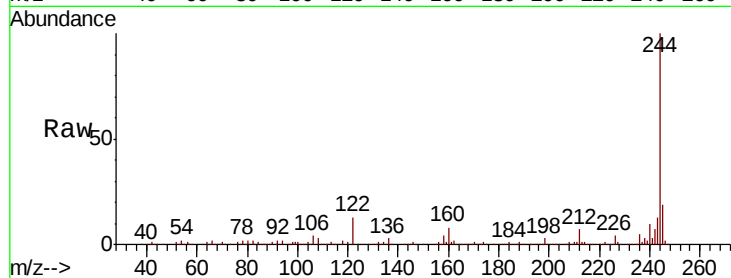




#79
 Terphenyl-d14
 Concen: 76.758 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF116989.D
 Acq: 12 Sep 2019 13:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1024160
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 13.0 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: BF116989.D
 Acq: 12 Sep 2019 13:24

Tgt Ion:264 Resp: 205094
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 22.5 17.9 26.9

