

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052419\
 Data File : BF114598.D
 Acq On : 25 May 2019 5:18
 Operator : JU/SJ
 Sample : K2994-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Quant Time: May 26 23:05:23 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 24 07:23:33 2019
 Response via : Initial Calibration

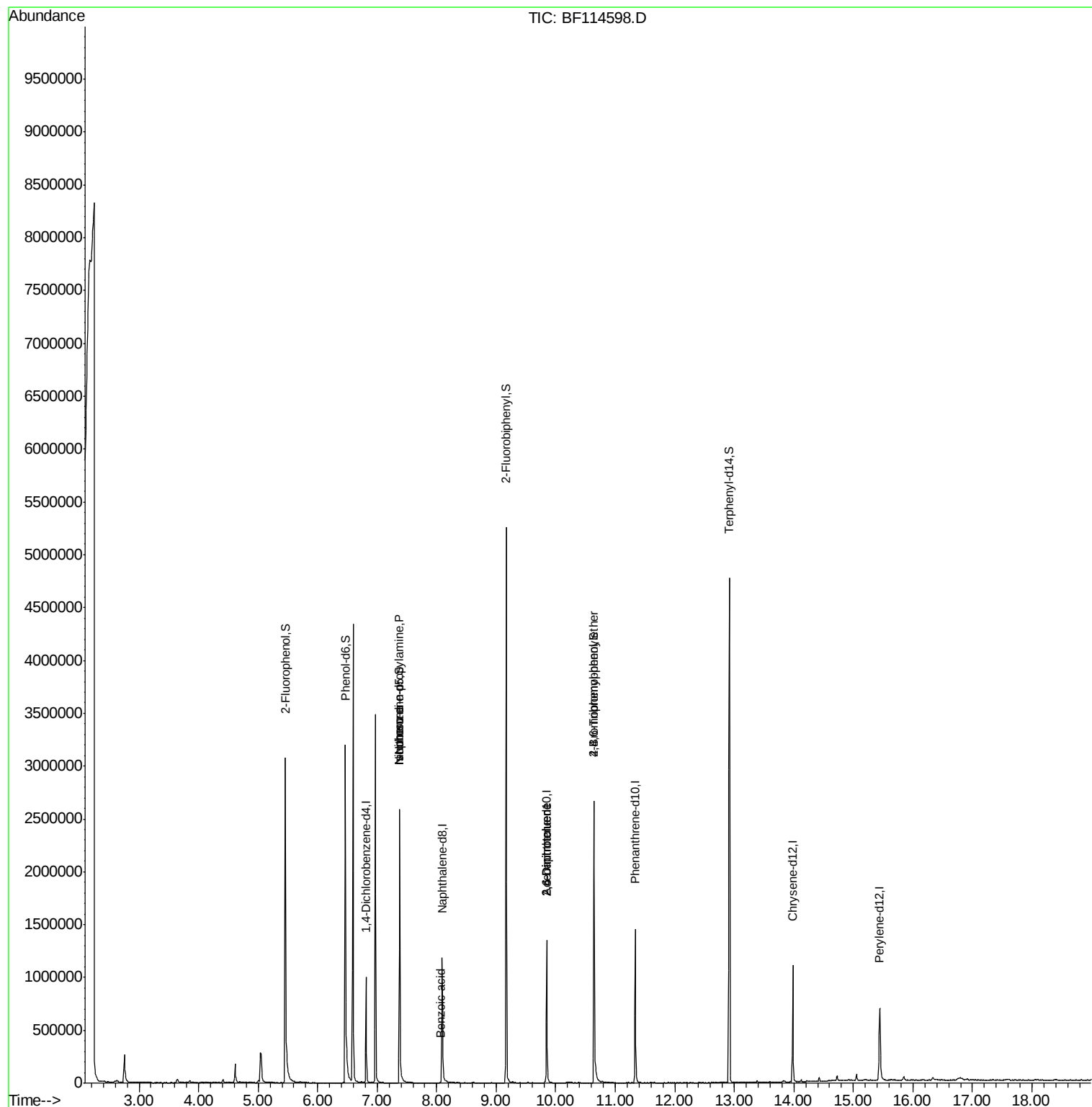
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	152579	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	575363	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	273447	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	569754	20.00	ng	0.00
76) Chrysene-d12	13.98	240	397247	20.00	ng	0.00
87) Perylene-d12	15.44	264	390901	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1051763	110.93	ng	0.01
7) Phenol-d6	6.46	99	1260393	112.40	ng	0.00
23) Nitrobenzene-d5	7.37	82	903134	88.09	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	366039	129.48	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1602820	88.67	ng	0.00
79) Terphenyl-d14	12.92	244	1789453	92.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	118172	16.626	ng	# 78
25) Isophorone	7.37	82	903130	47.498	ng	# 64
32) Benzoic acid	8.06	122	2332	7.372	ng	# 82
51) 2,6-Dinitrotoluene	9.85	165	35568	7.989	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	35568	5.886	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	23724	3.782	ng	# 1

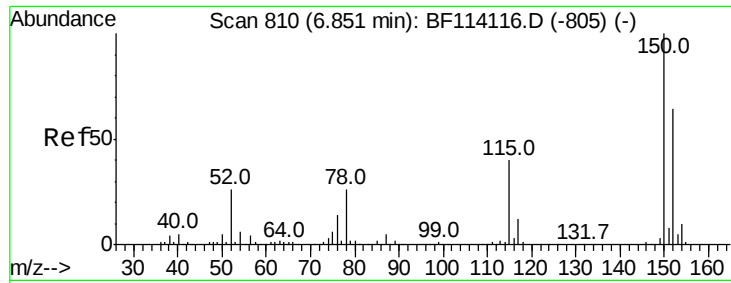
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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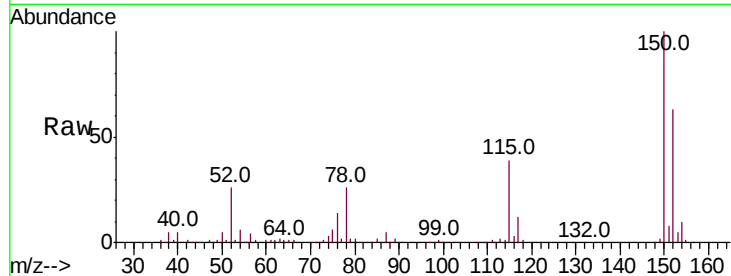


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114598.D
Acq: 25 May 2019 5:18

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.3	186.5
115	61.0	49.1	73.7

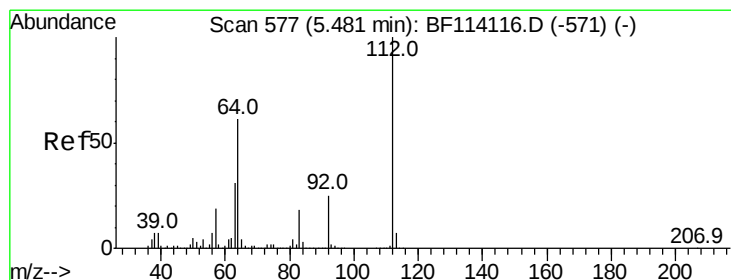
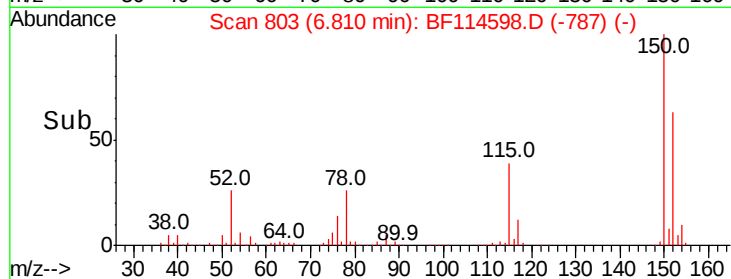
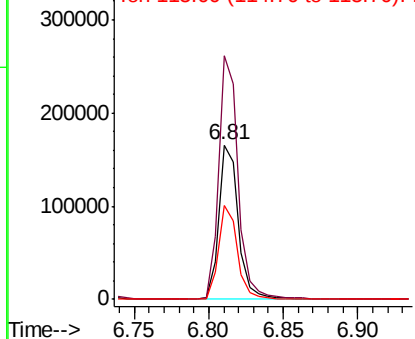


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

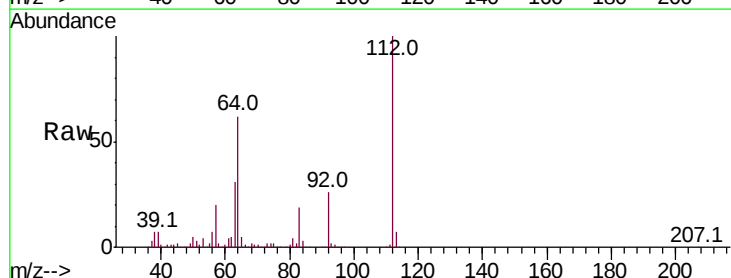
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.930 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF114598.D
Acq: 25 May 2019 5:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.0	73.6
63	31.4	24.6	37.0

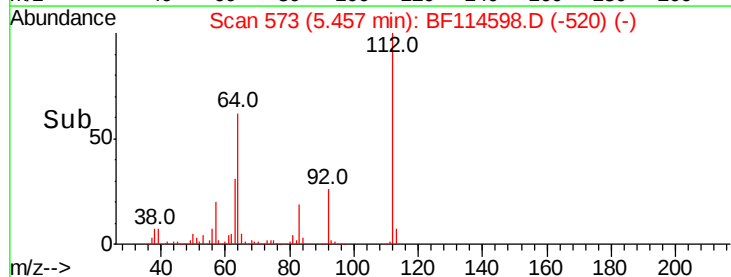
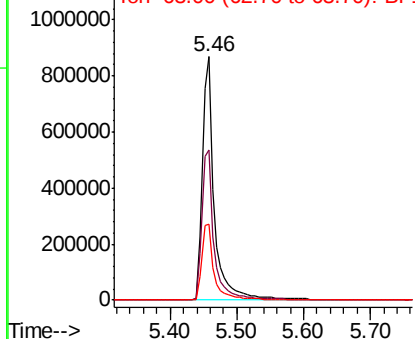


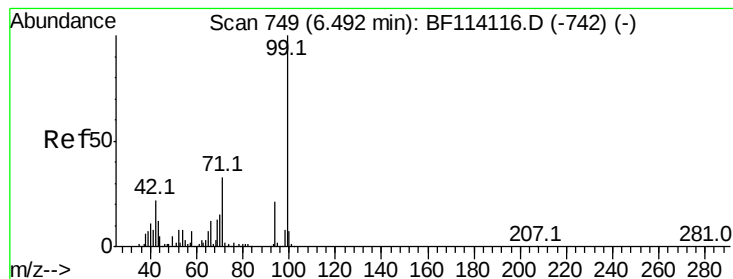
Abundance

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: 112.396 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

Instrument :

BNA_F

ClientSampleId :

TP-8-S

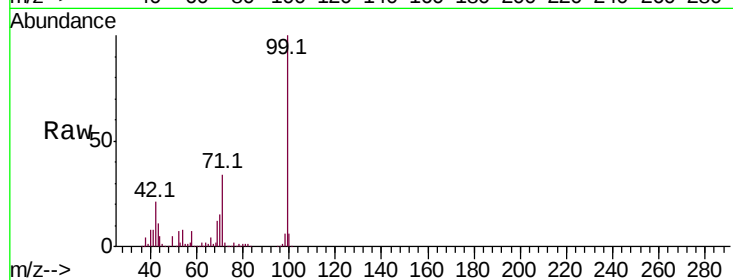
Tot Ion: 99 Resp: 1260393

Ion Ratio Lower Upper

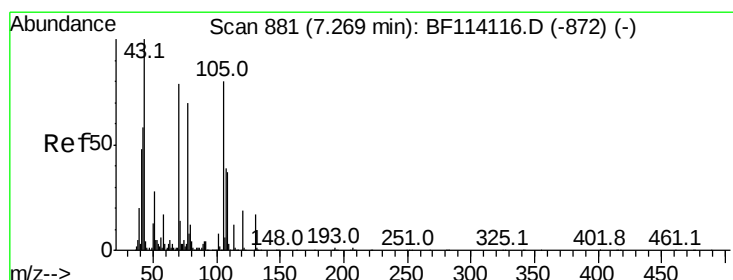
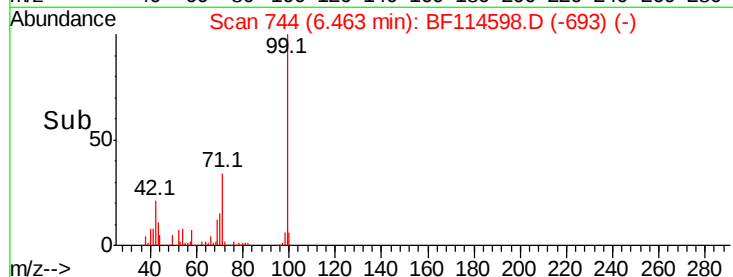
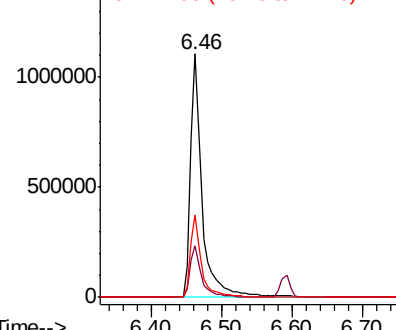
99 100

42 21.4 17.9 26.9

71 33.6 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
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: 16.626 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

Tgt Ion: 70 Resp: 118172

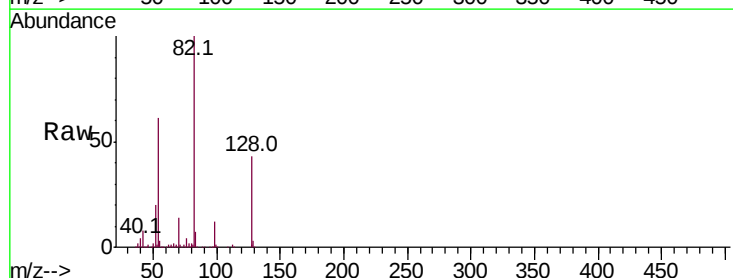
Ion Ratio Lower Upper

70 100

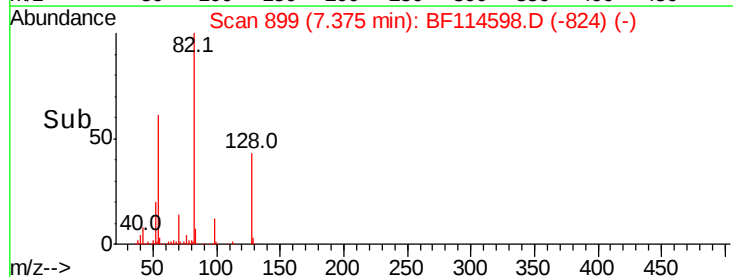
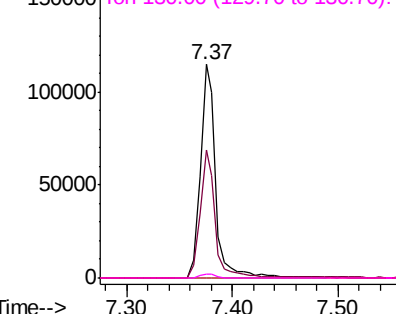
42 60.1 58.6 87.8

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#



Abundance Ion 70.00 (69.70 to 70.70): BF1
150000
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

Instrument :

BNA_F

ClientSampleId :

TP-8-S

Tot Ion:136 Resp: 575363

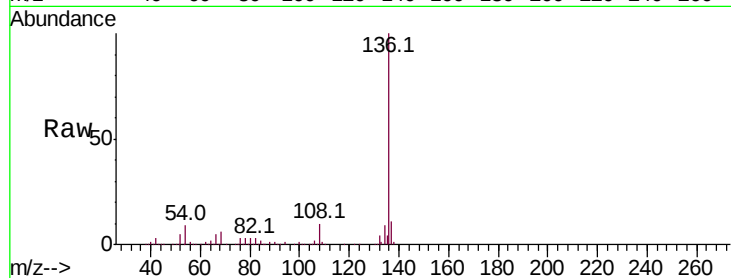
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 9.0 7.8 11.8

68 5.6 5.1 7.7

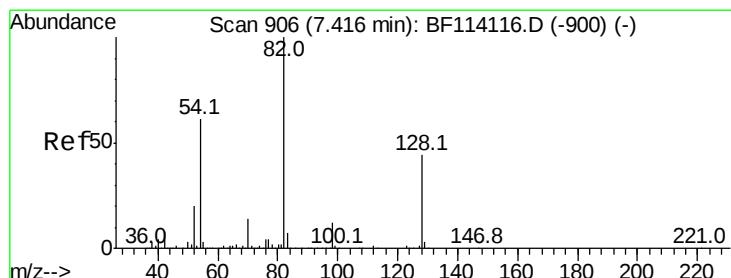
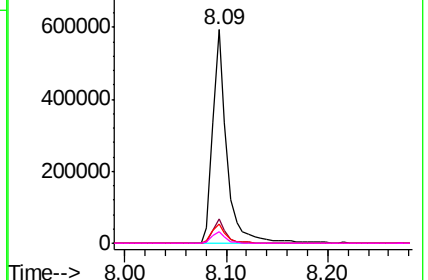
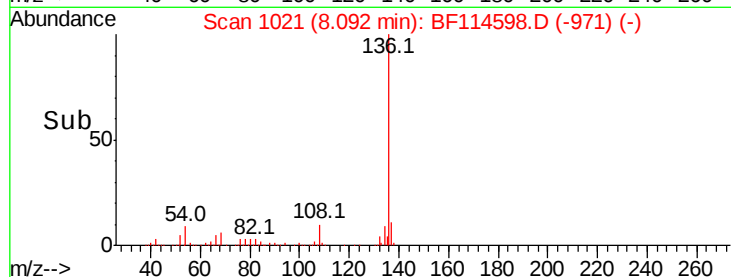


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 88.090 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

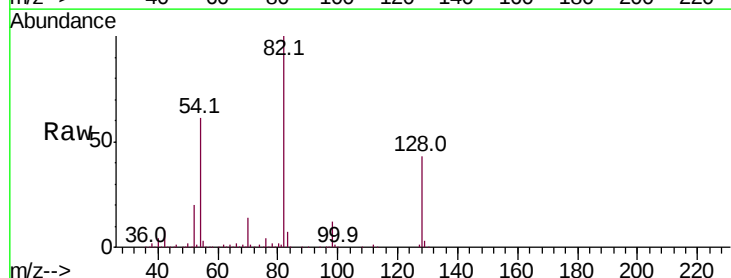
Tgt Ion: 82 Resp: 903134

Ion Ratio Lower Upper

82 100

128 43.4 35.5 53.3

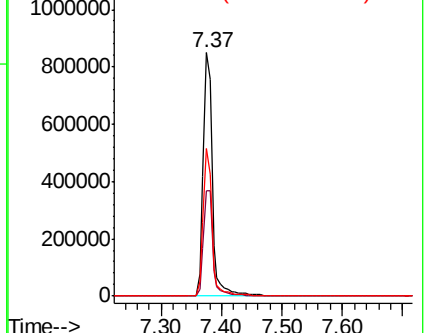
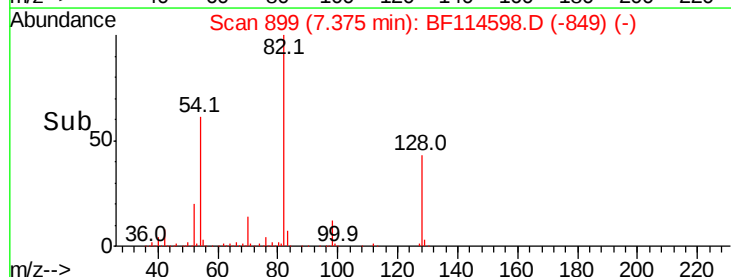
54 60.6 48.5 72.7



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





#25

Isophorone

Concen: 47.498 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

Instrument :

BNA_F

ClientSampleId :

TP-8-S

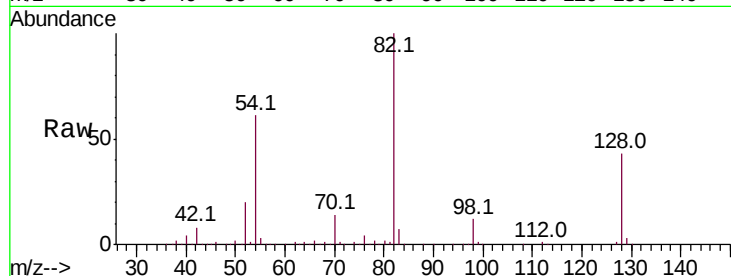
Tot Ion: 82 Resp: 903130

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

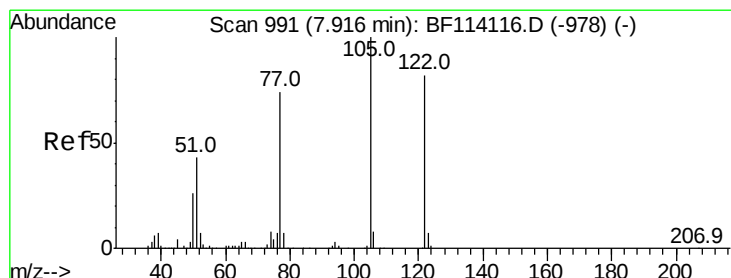
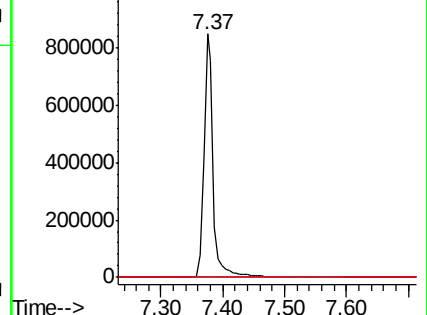
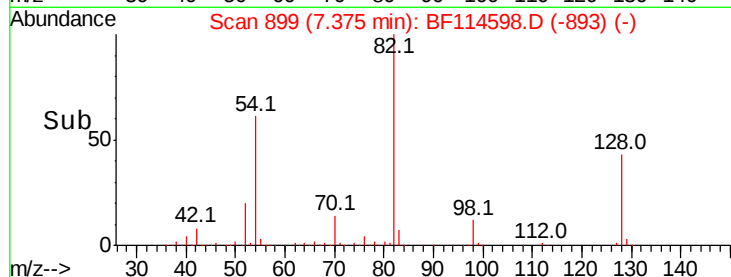
138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 7.372 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.15 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

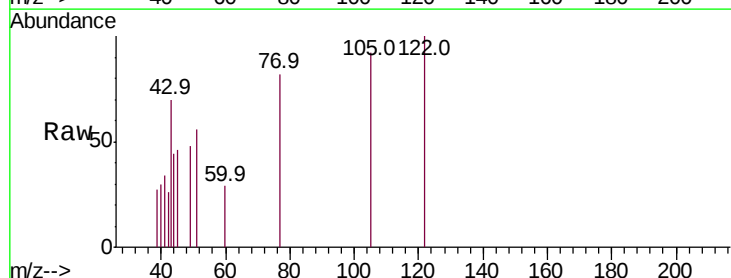
Tgt Ion:122 Resp: 2332

Ion Ratio Lower Upper

122 100

105 91.7 99.9 139.9#

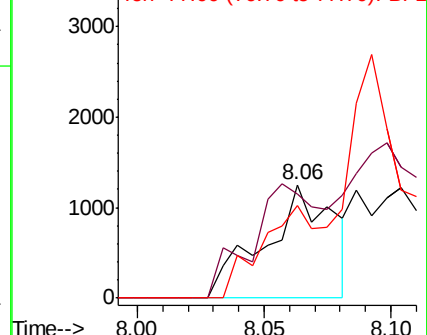
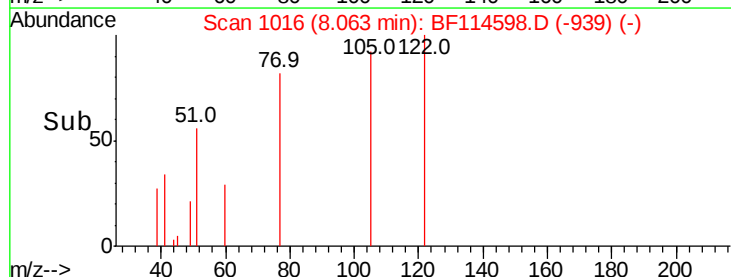
77 81.7 69.4 109.4

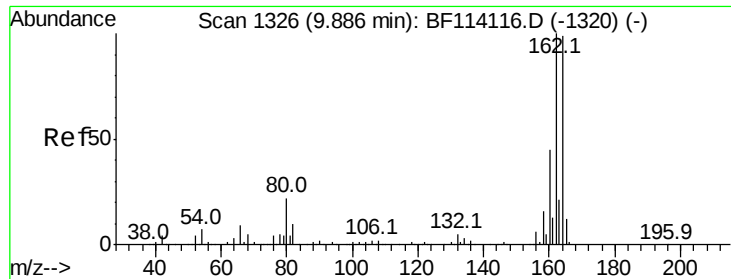


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

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BNA_F

ClientSampleId :

TP-8-S

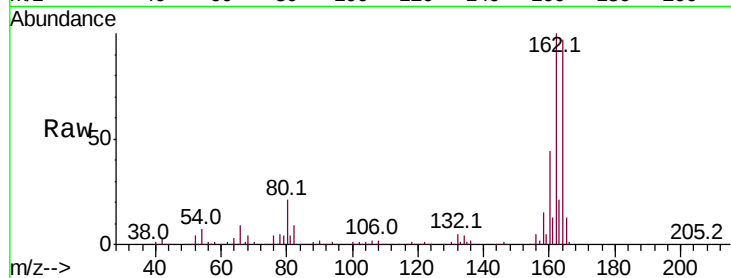
Tot Ion:164 Resp: 273447

Ion Ratio Lower Upper

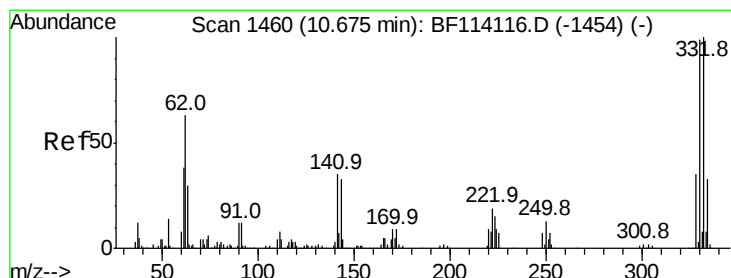
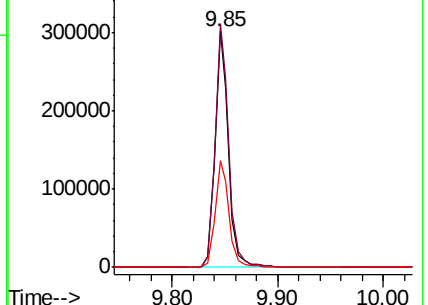
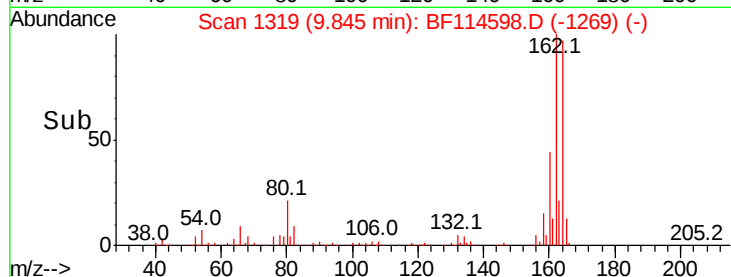
164 100

162 103.3 80.6 120.8

160 45.3 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: 129.480 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF114598.D

Acq: 25 May 2019 5:18

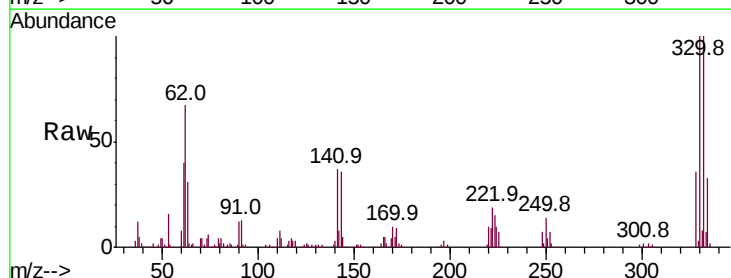
Tgt Ion:330 Resp: 366039

Ion Ratio Lower Upper

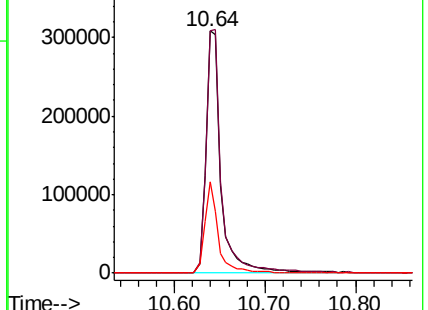
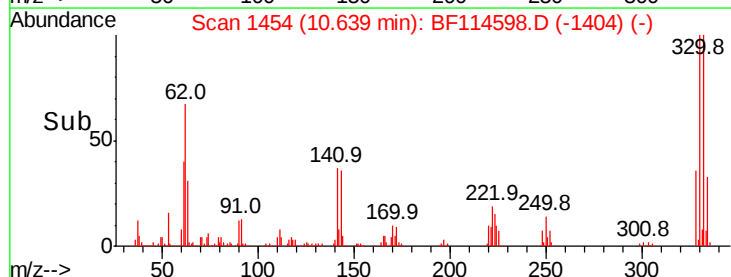
330 100

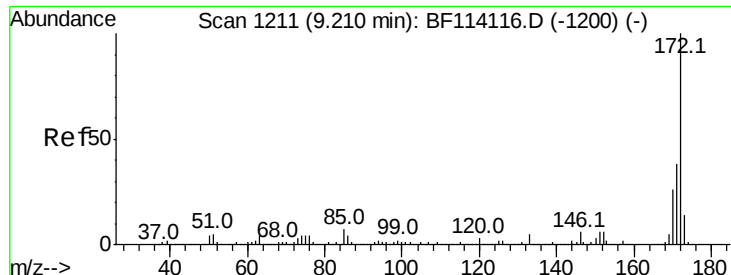
332 102.1 81.4 122.2

141 33.8 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

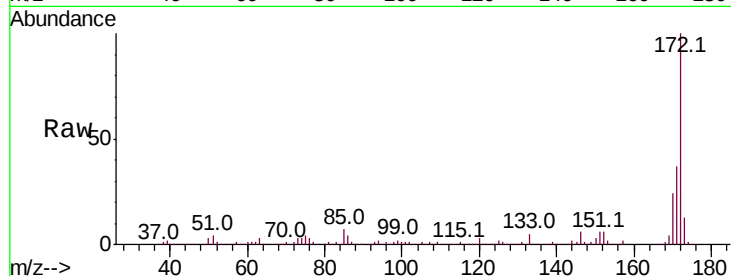




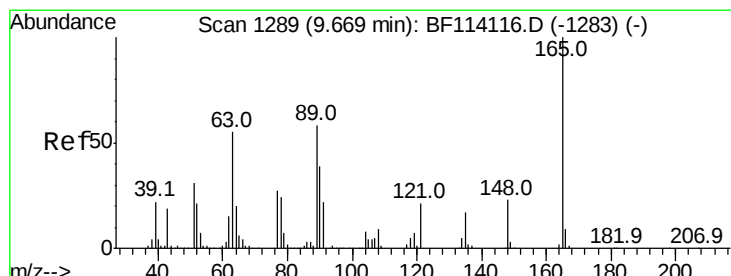
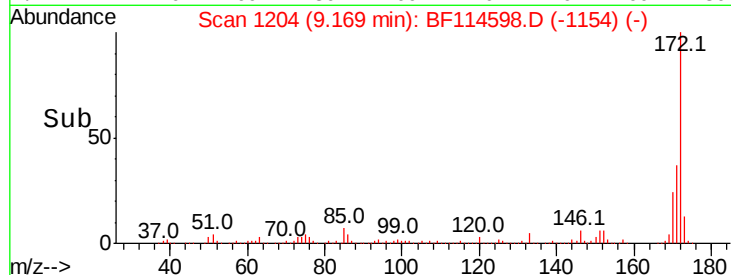
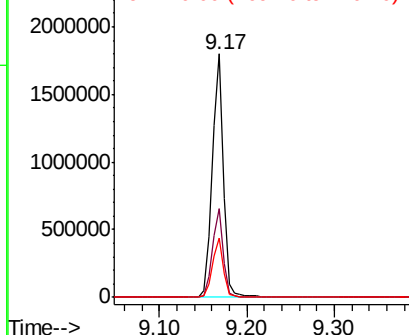
#45
 2-Fluorobiphenyl
 Concen: 88.665 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Instrument :
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 TP-8-S

Tot Ion:172 Resp: 1602820
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.7 46.1
 170 24.3 20.5 30.7

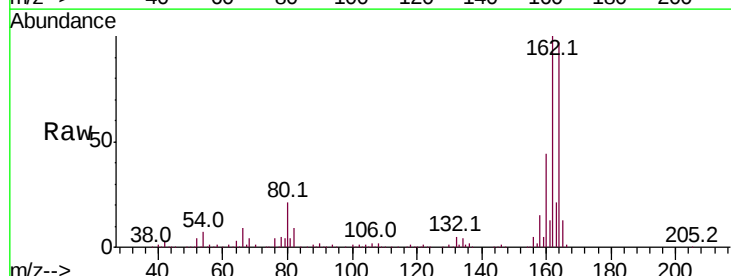


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

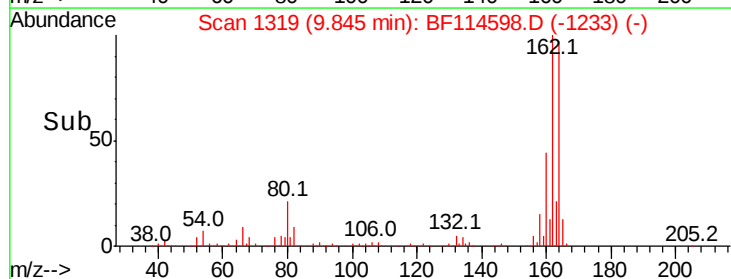
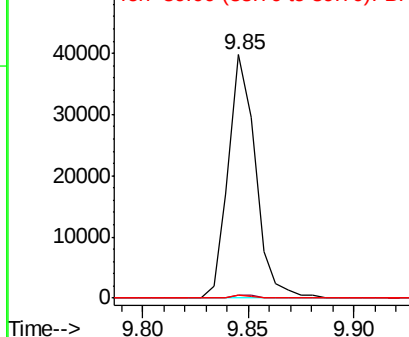


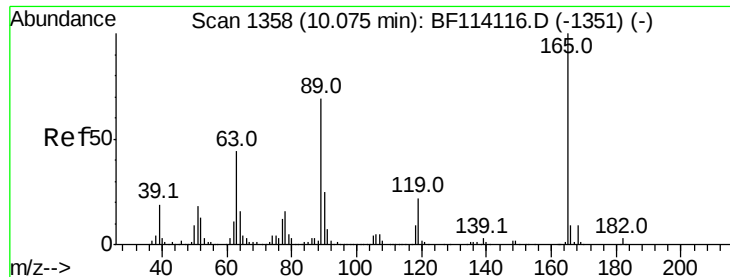
#51
 2,6-Dinitrotoluene
 Concen: 7.989 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Tgt Ion:165 Resp: 35568
 Ion Ratio Lower Upper
 165 100
 63 1.0 50.2 75.4#
 89 1.2 46.6 69.8#



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

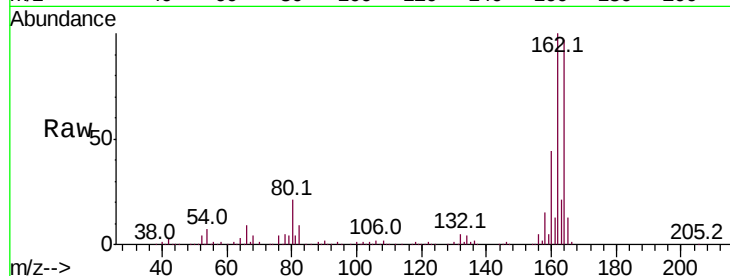




#57
 2,4-Dinitrotoluene
 Concen: 5.886 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.5	53.3#
89	1.2	55.2	82.8#
182	0.0	2.2	3.2#

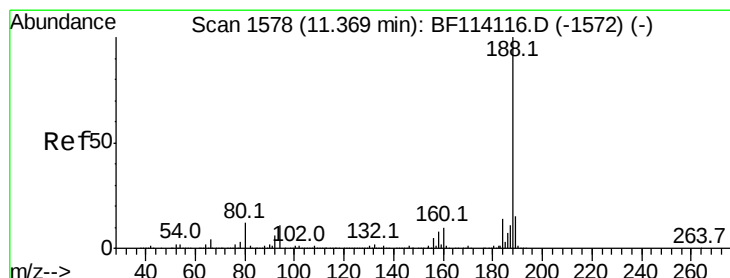
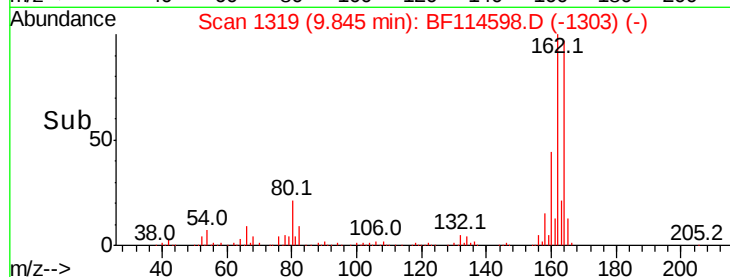
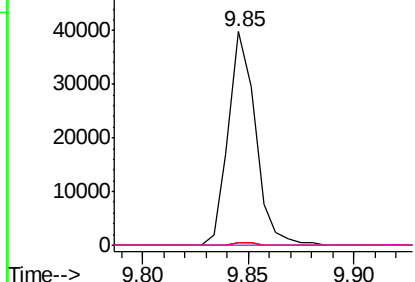


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

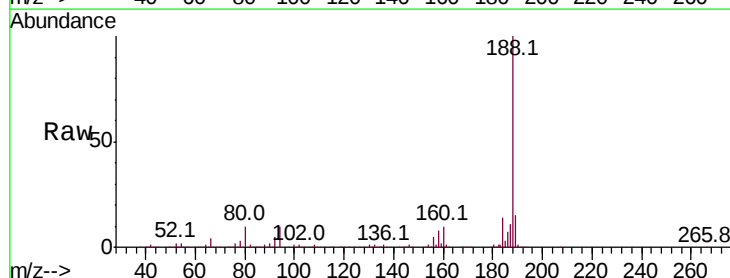
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

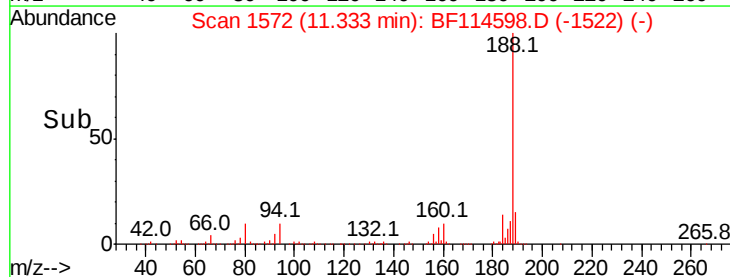
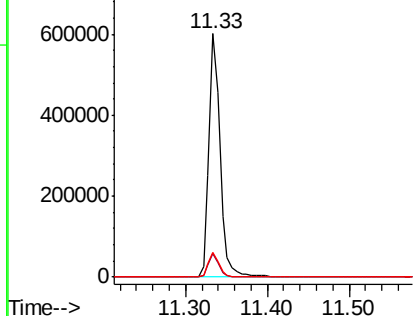
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.4	12.6
80	10.2	9.2	13.8

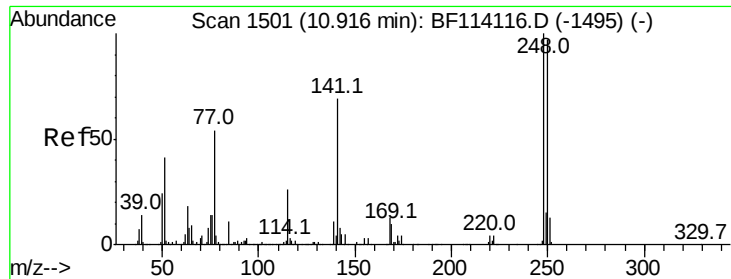


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

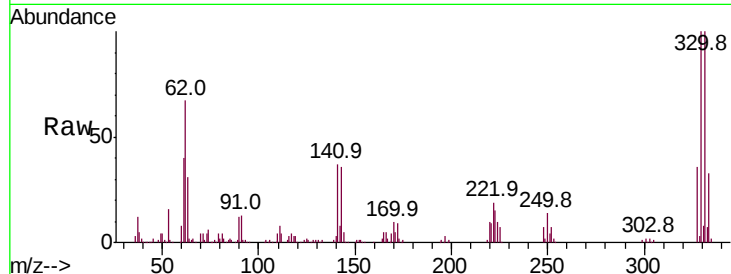




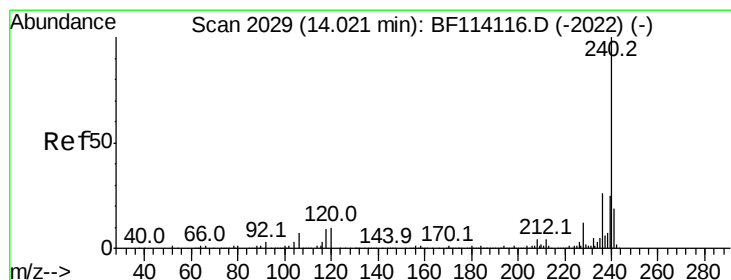
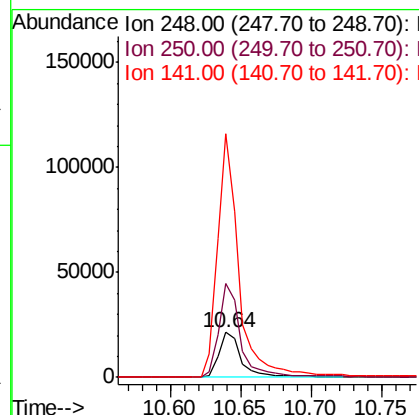
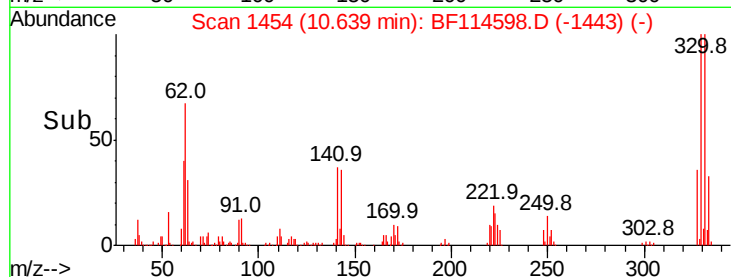
#67
 4-Bromophenyl-phenylether
 Concen: 3.782 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Instrument :
 BNA_F
 ClientSampled :
 TP-8-S

Tot Ion:248 Resp: 23724
 Ion Ratio Lower Upper
 248 100
 250 208.9 77.4 116.2#
 141 544.6 55.6 83.4#

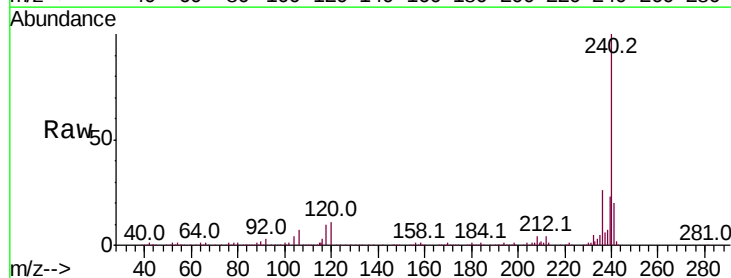


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

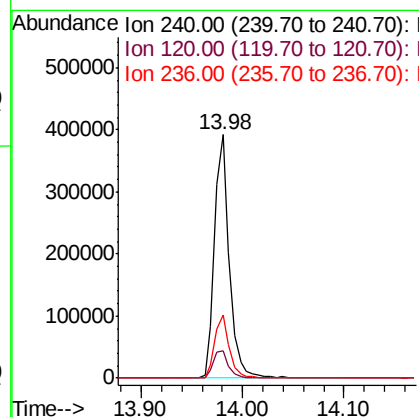
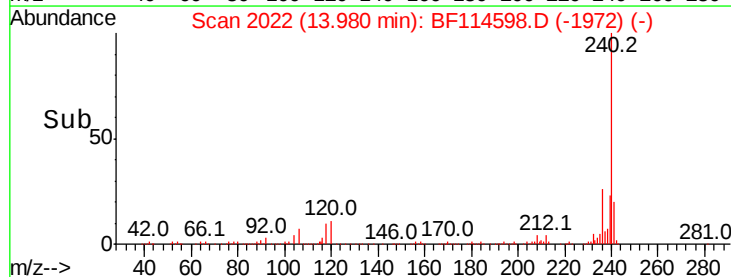


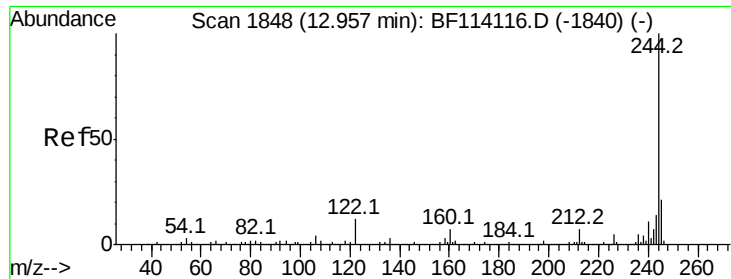
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Tgt Ion:240 Resp: 397247
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.3 12.5
 236 26.2 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

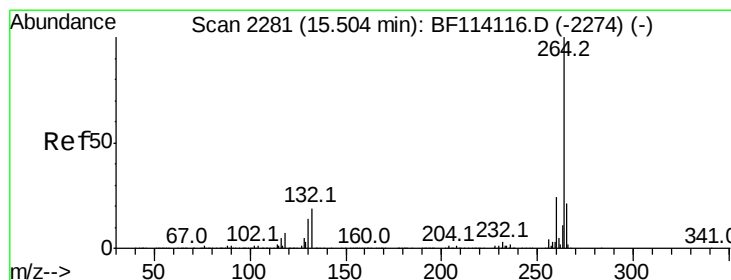
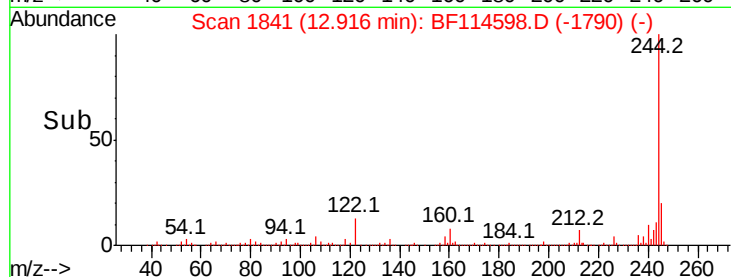
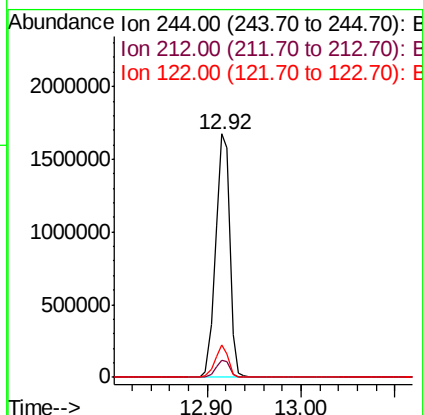
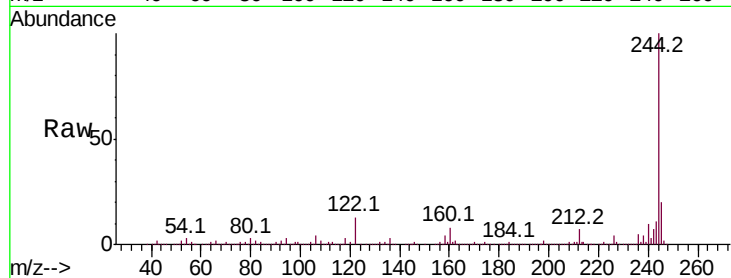




#79
 Terphenyl-d14
 Concen: 92.860 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Tot Ion:244 Resp: 1789453
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 13.2 9.4 14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF114598.D
 Acq: 25 May 2019 5:18

Tgt Ion:264 Resp: 390901
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.4 29.0
 265 20.9 16.9 25.3

