

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116114.D
 Acq On : 9 Aug 2019 15:39
 Operator : HP/JU
 Sample : K4148-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 02:13:27 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

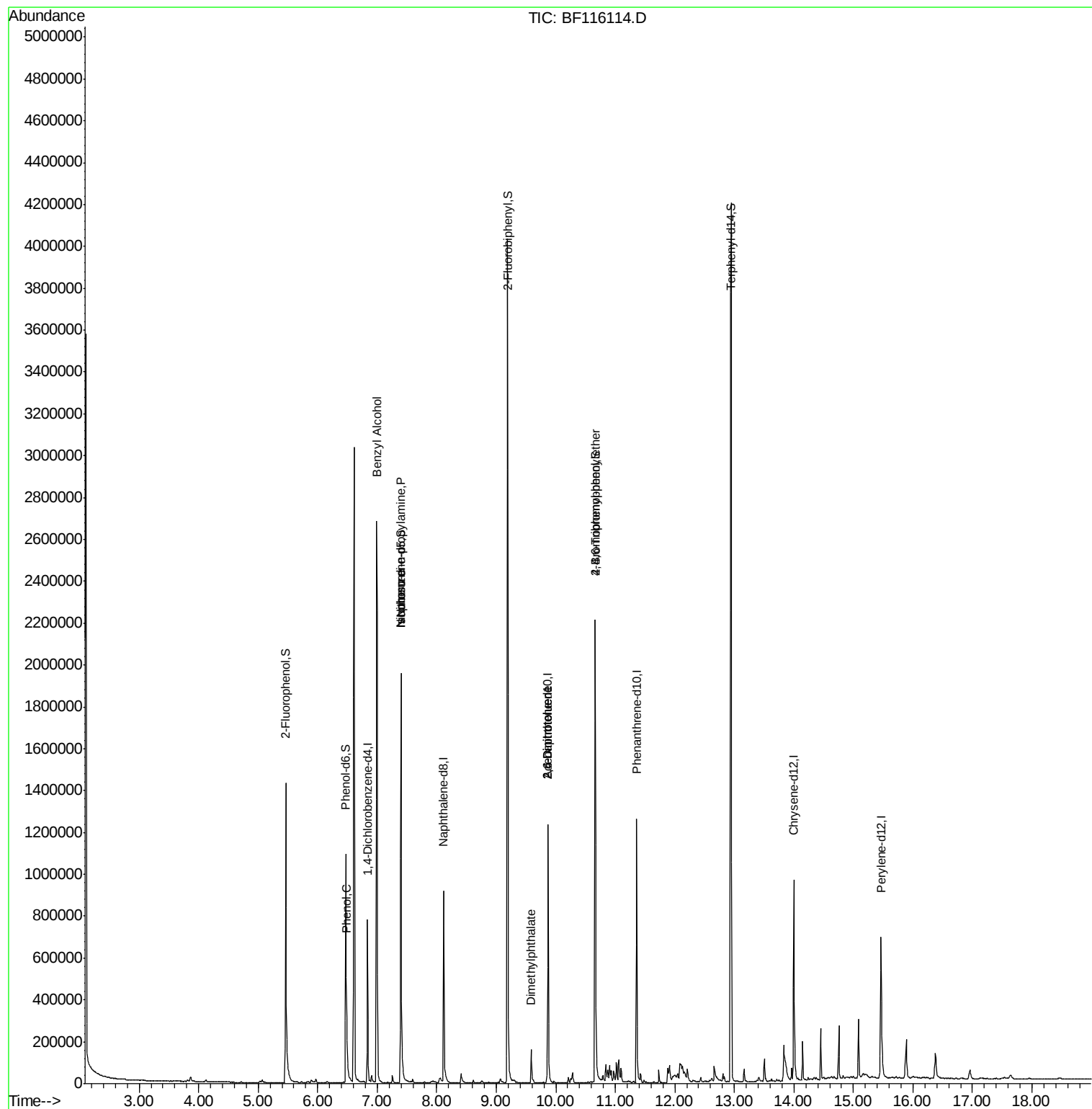
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	122937	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	477370	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	258973	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	483327	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	366197	20.00	ng	-0.01
87) Perylene-d12	15.47	264	298372	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	504975	68.76	ng	0.00
7) Phenol-d6	6.47	99	480234	51.83	ng	-0.02
23) Nitrobenzene-d5	7.40	82	758552	91.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	312524	124.47	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1279922	92.57	ng	-0.01
79) Terphenyl-d14	12.94	244	1573904	90.57	ng	0.00
Target Compounds						
10) Phenol	6.49	94	48055	4.404	ng	88
15) Benzyl Alcohol	6.99	79	14151	2.013	ng	# 48
19) n-Nitroso-di-n-propylamine	7.40	70	100703	17.540	ng	# 80
25) Isophorone	7.40	82	758547	47.968	ng	# 65
50) Dimethylphthalate	9.59	163	83592	4.741	ng	99
51) 2,6-Dinitrotoluene	9.87	165	32944	8.597	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32944	6.457	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	19373	3.744	ng	# 1

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

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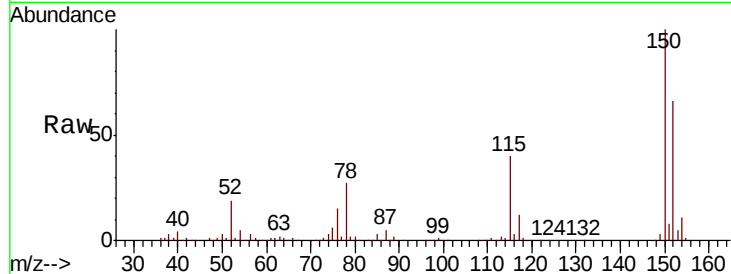


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116114.D
Acq: 9 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.2	189.2
115	60.1	49.9	74.9

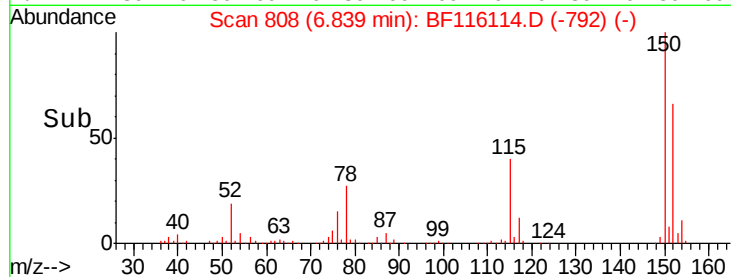
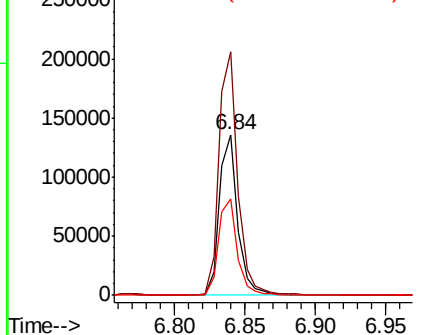


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

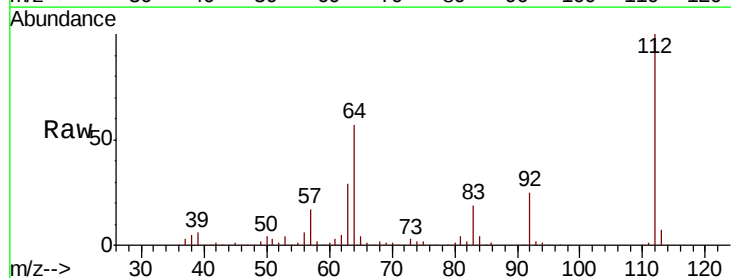
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.764 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116114.D
Acq: 9 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.2
63	29.4	23.7	35.5

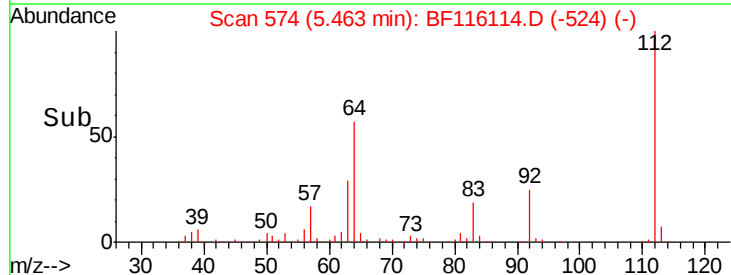
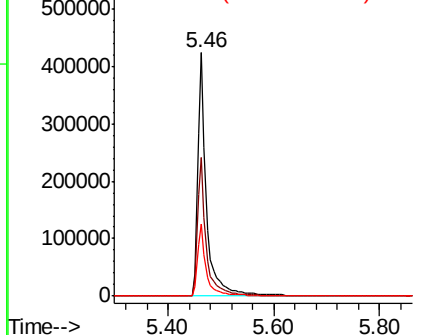


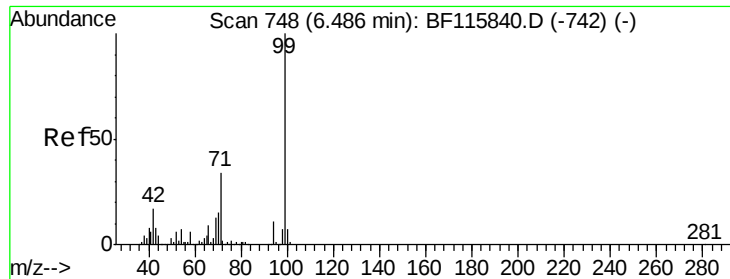
Abundance

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: 51.832 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

Instrument :

BNA_F

ClientSampleId :

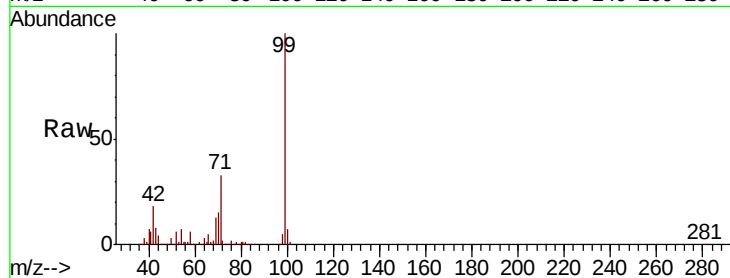
Tot Ion: 99 Resp: 480234

Ion Ratio Lower Upper

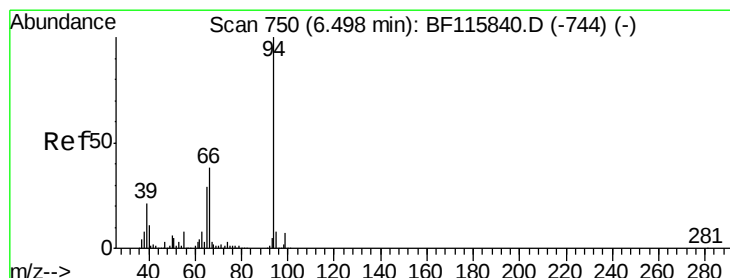
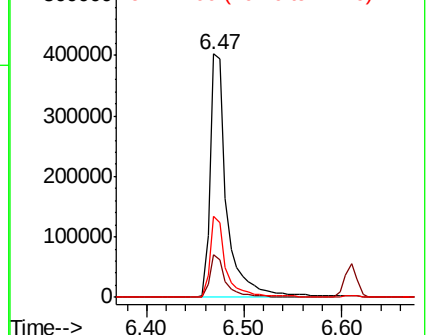
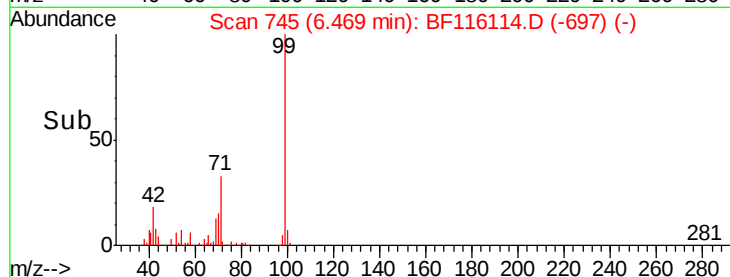
99 100

42 17.6 13.8 20.8

71 33.3 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



#10

Phenol

Concen: 4.404 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

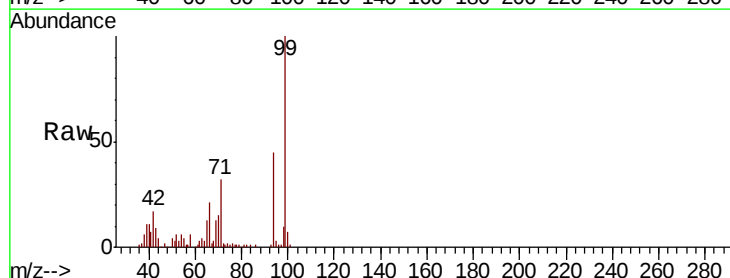
Tgt Ion: 94 Resp: 48055

Ion Ratio Lower Upper

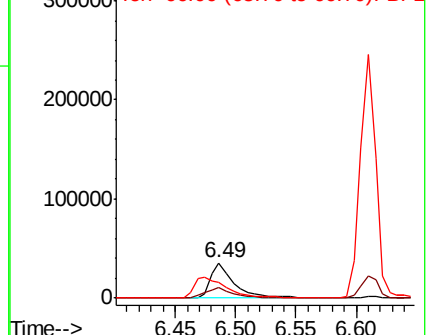
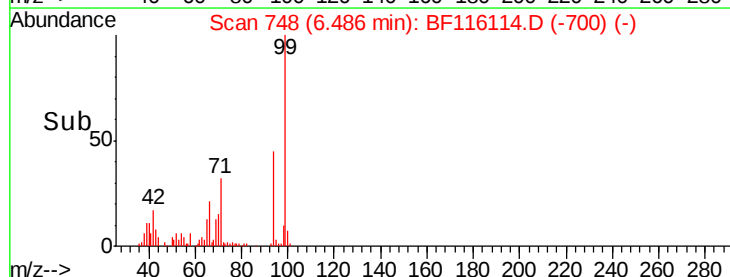
94 100

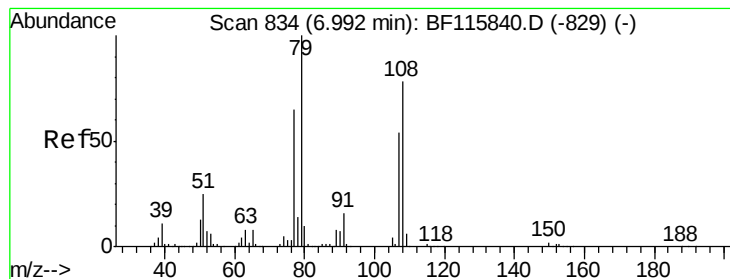
65 28.5 16.8 56.8

66 46.0 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.013 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

Instrument :

BNA_F

ClientSampleId :

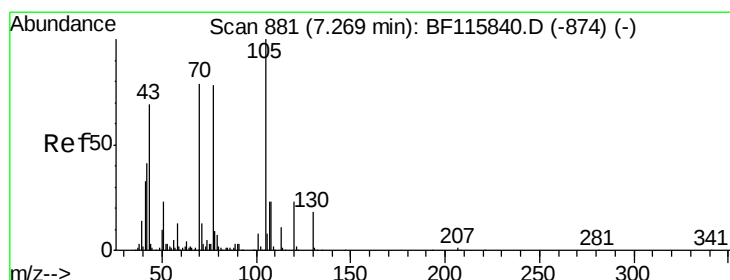
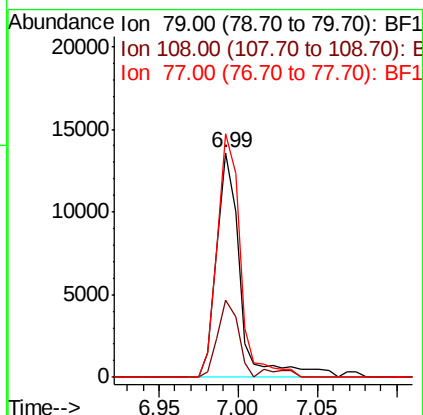
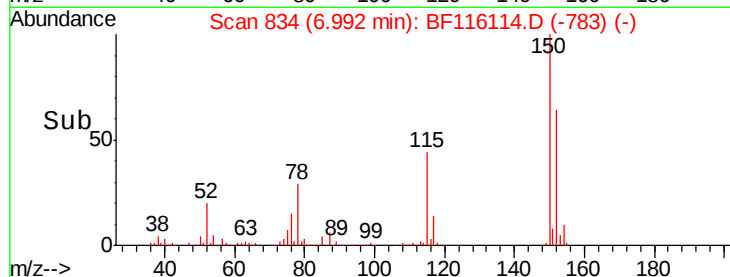
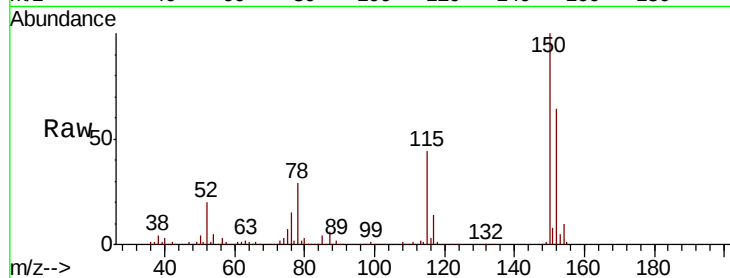
Tot Ion: 79 Resp: 14151

Ion Ratio Lower Upper

79 100

108 34.3 62.7 94.1#

77 108.3 52.2 78.2#



#19

n-Nitroso-di-n-propylamine

Concen: 17.540 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

Tgt Ion: 70 Resp: 100703

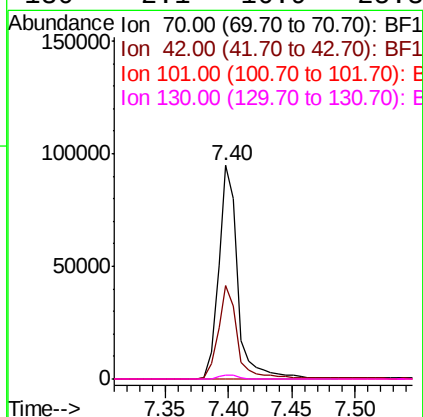
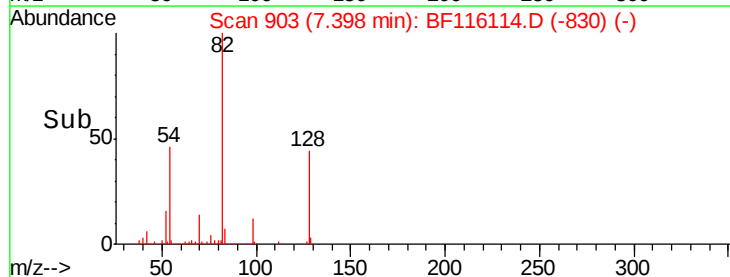
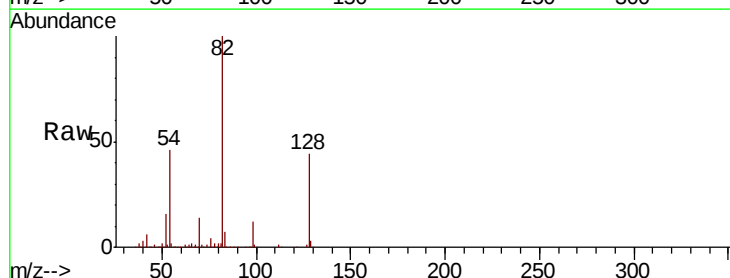
Ion Ratio Lower Upper

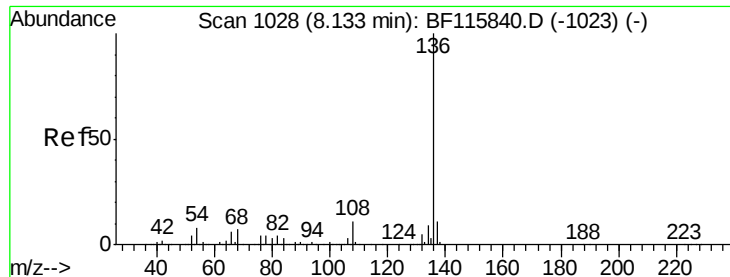
70 100

42 43.9 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 477370

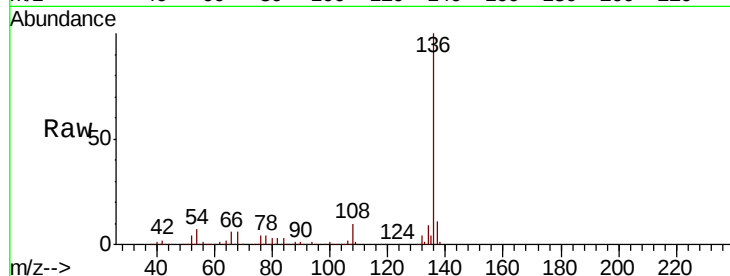
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.4 5.8 8.6

68 6.4 5.2 7.8

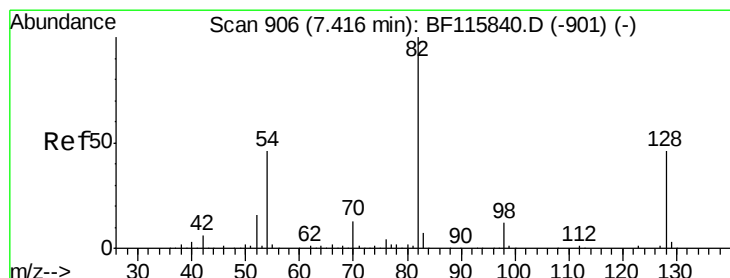
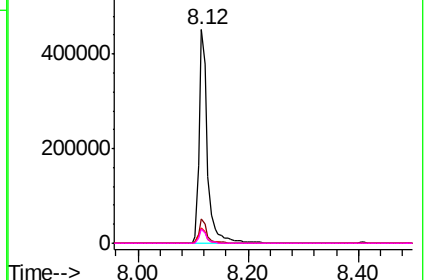
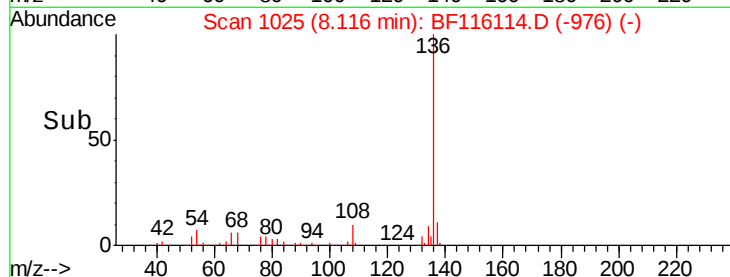


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 91.723 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

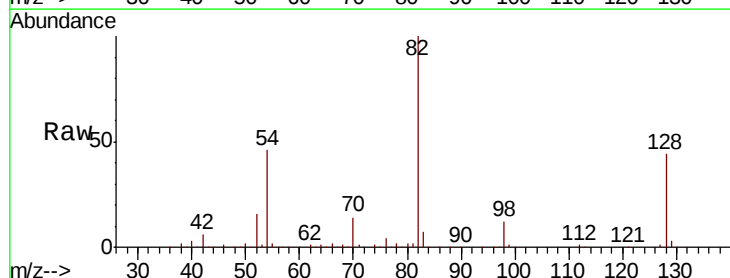
Tgt Ion: 82 Resp: 758552

Ion Ratio Lower Upper

82 100

128 44.1 36.5 54.7

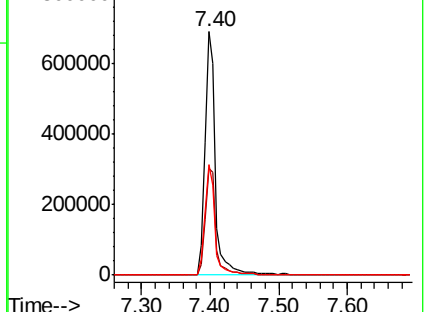
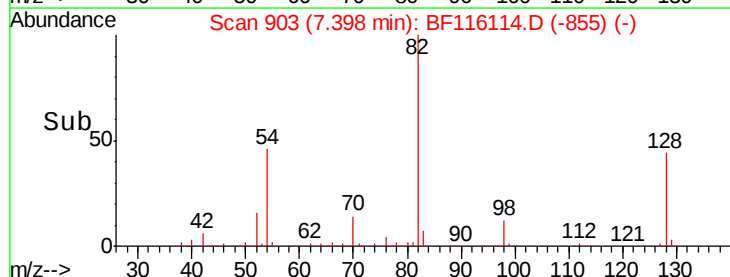
54 45.6 36.0 54.0

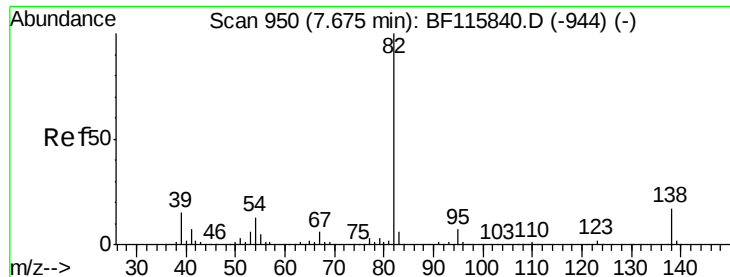


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.968 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

Instrument :

BNA_F

ClientSampled :

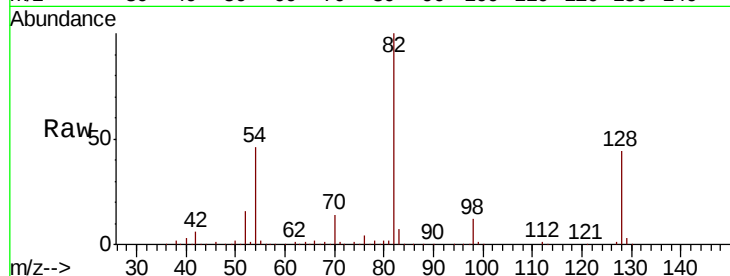
Tot Ion: 82 Resp: 758547

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

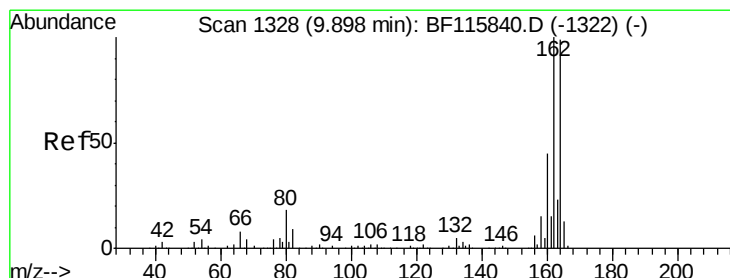
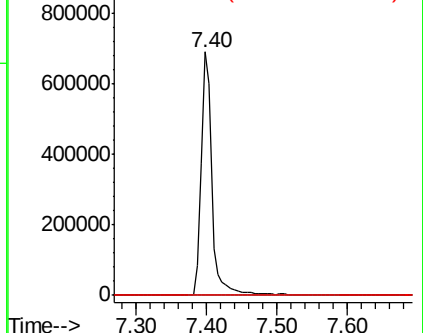
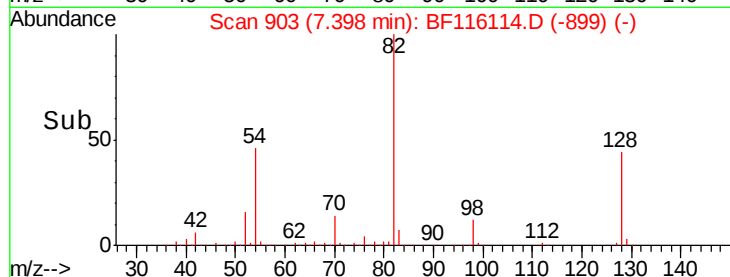
138 0.0 14.5 21.7#



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: BF116114.D

Acq: 9 Aug 2019 15:39

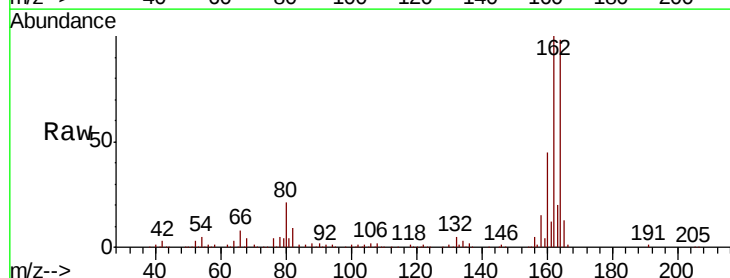
Tgt Ion:164 Resp: 258973

Ion Ratio Lower Upper

164 100

162 102.0 82.6 124.0

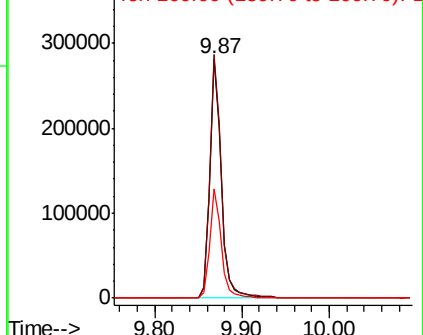
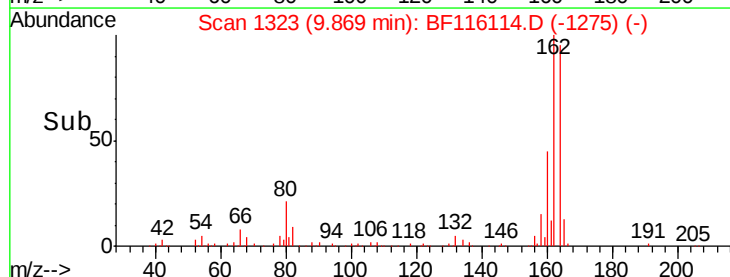
160 45.6 37.6 56.4

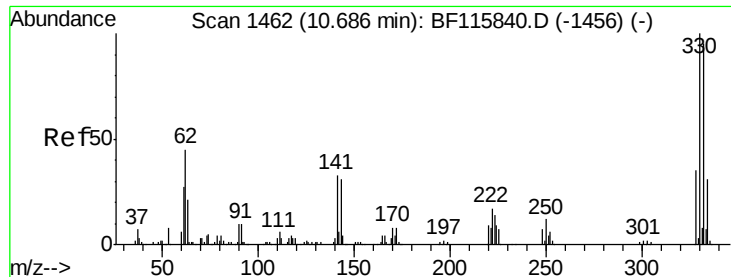


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

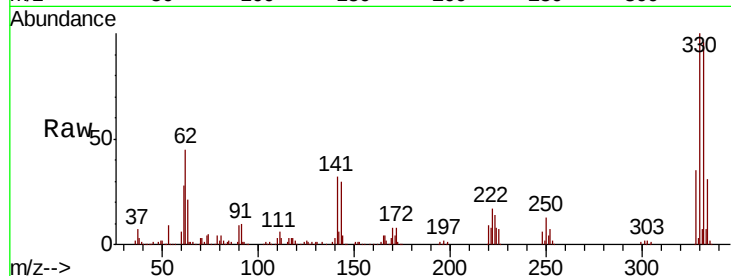




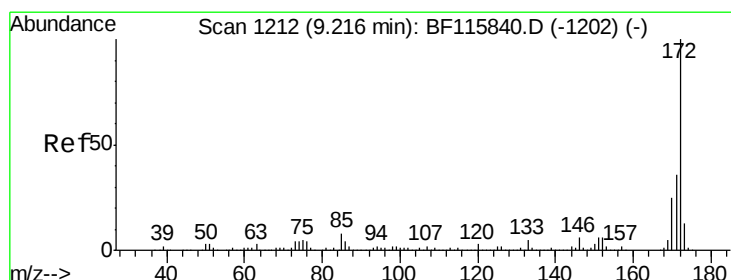
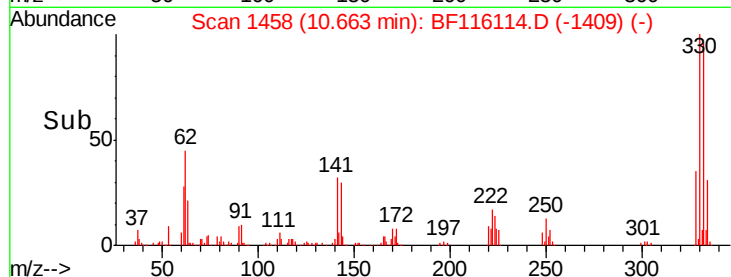
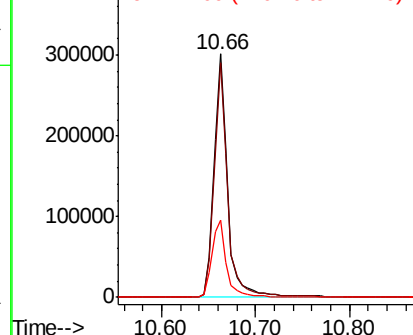
#42
 2,4,6-Tribromophenol
 Concen: 124.471 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116114.D
 Acq: 9 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 312524
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.8 115.2
 141 34.0 26.3 39.5

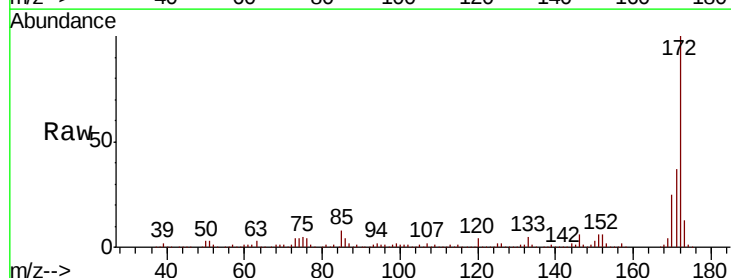


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

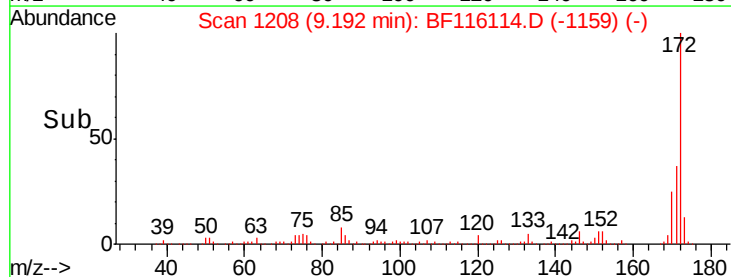
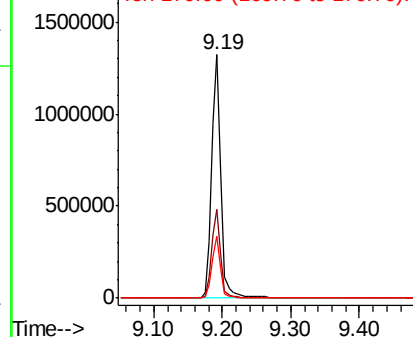


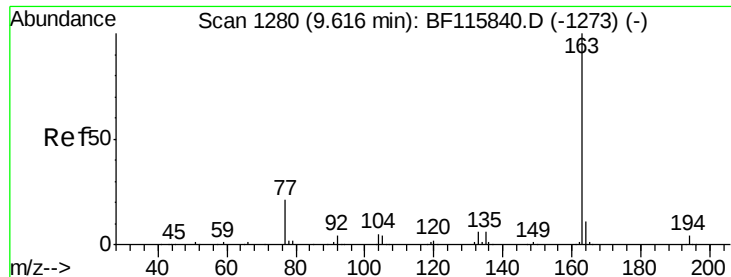
#45
 2-Fluorobiphenyl
 Concen: 92.573 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116114.D
 Acq: 9 Aug 2019 15:39

Tgt Ion:172 Resp: 1279922
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 25.3 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

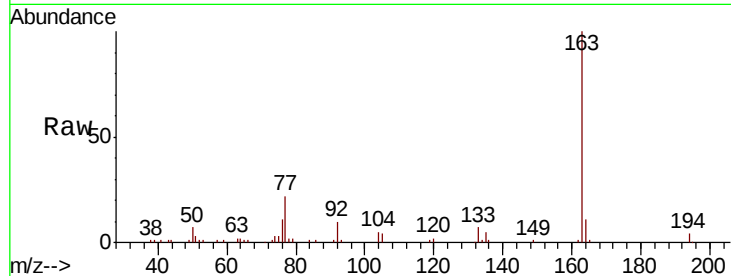




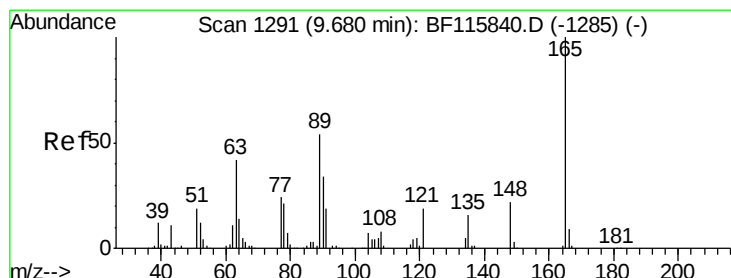
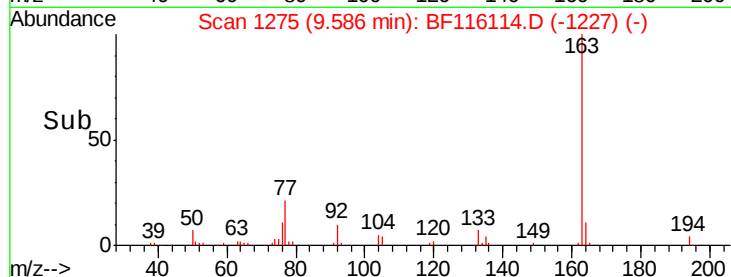
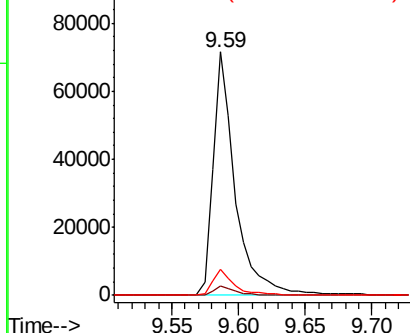
#50
Dimethylphthalate
Concen: 4.741 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116114.D
Acq: 9 Aug 2019 15:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.8	8.4	12.6

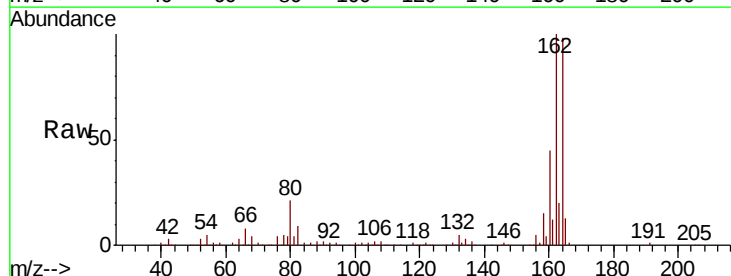


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

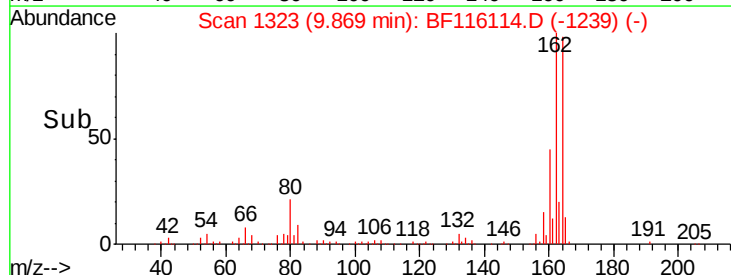
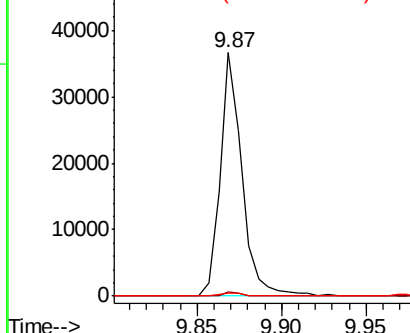


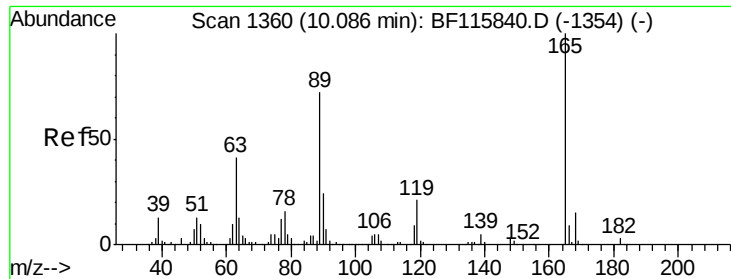
#51
2,6-Dinitrotoluene
Concen: 8.597 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.19 min
Lab File: BF116114.D
Acq: 9 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	38.2	57.2#
89	1.1	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

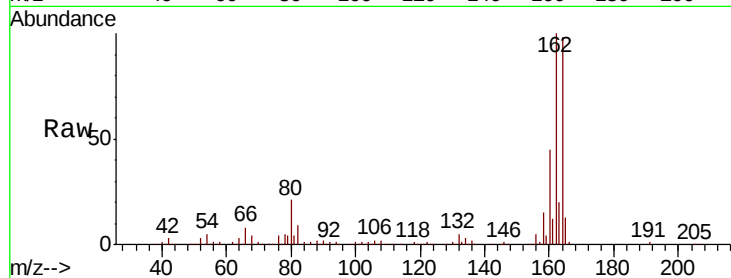




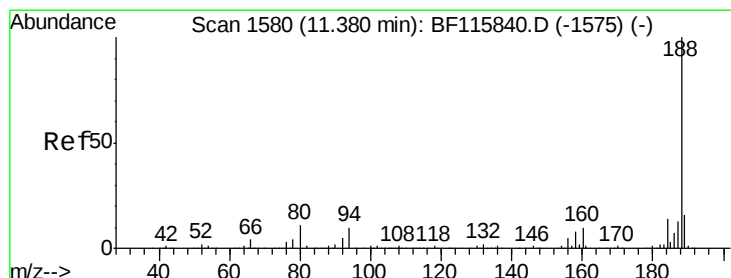
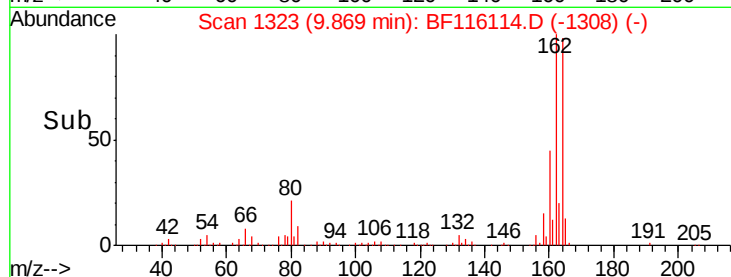
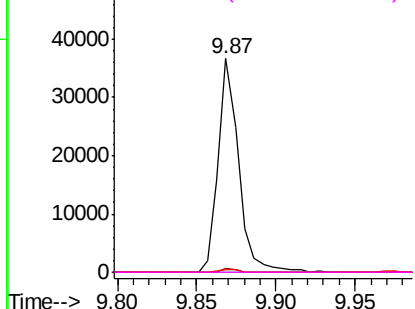
#57
 2,4-Dinitrotoluene
 Concen: 6.457 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116114.D
 Acq: 9 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 32944
 Ion Ratio Lower Upper
 165 100
 63 1.6 39.6 59.4#
 89 1.1 62.2 93.2#
 182 0.0 2.1 3.1#

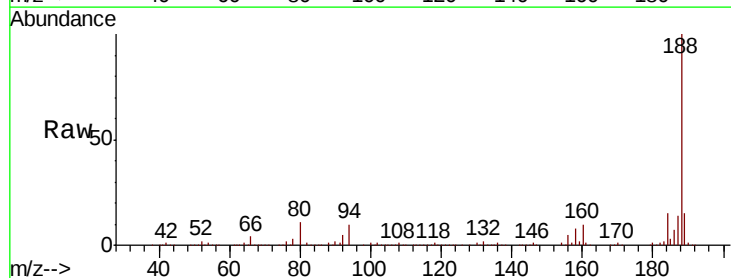


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

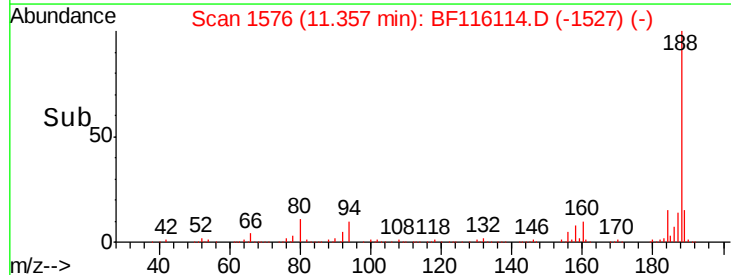
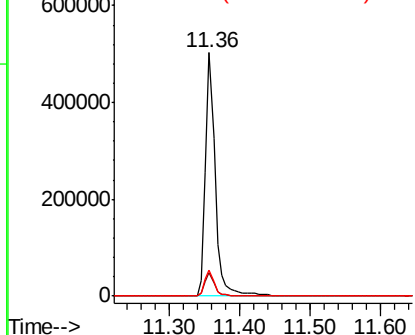


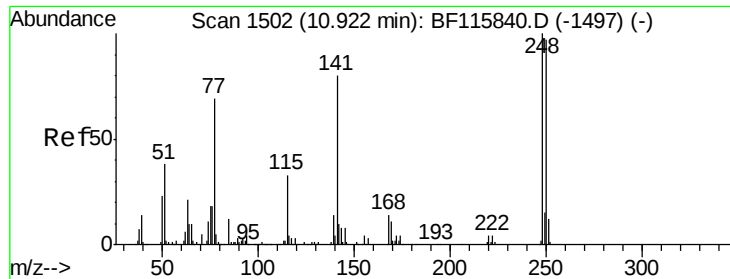
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116114.D
 Acq: 9 Aug 2019 15:39

Tgt Ion:188 Resp: 483327
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.1 12.1
 80 10.9 8.7 13.1



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

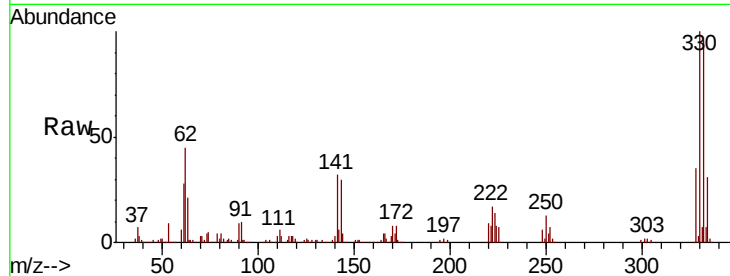




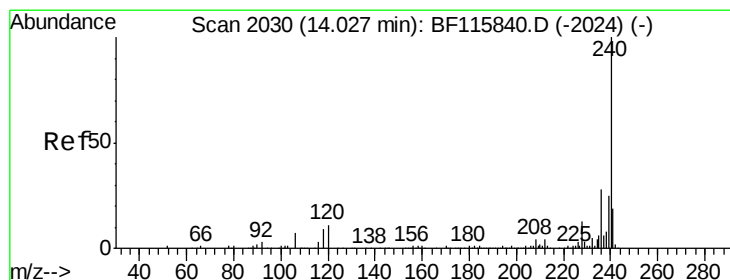
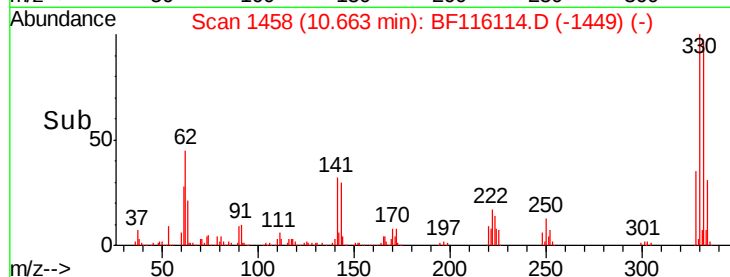
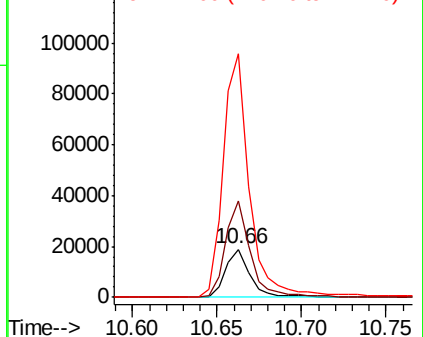
#67
 4-Bromophenyl-phenylether
 Concen: 3.744 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116114.D
 Acq: 9 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 19373
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.4 116.2#
 141 503.9 56.8 85.2#

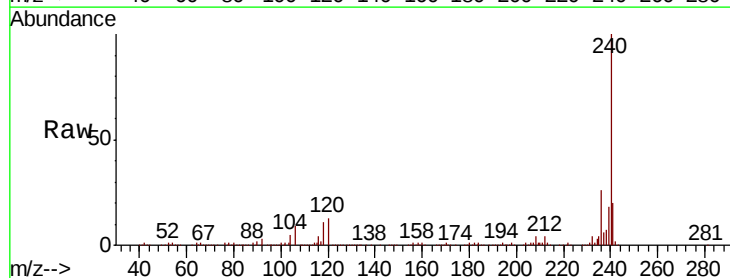


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

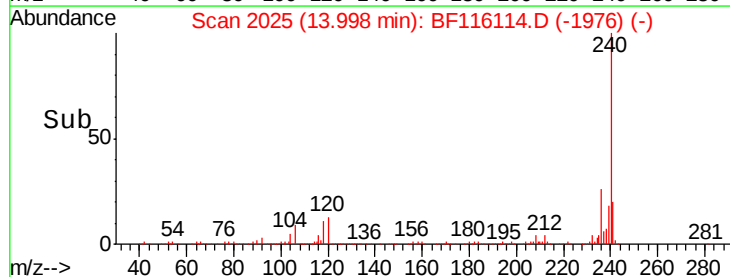
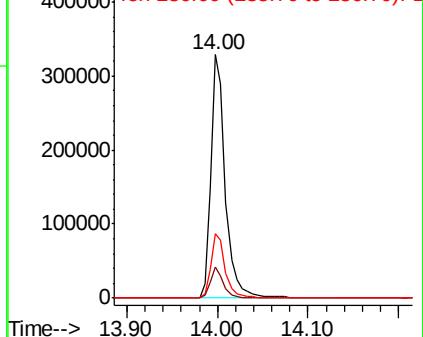


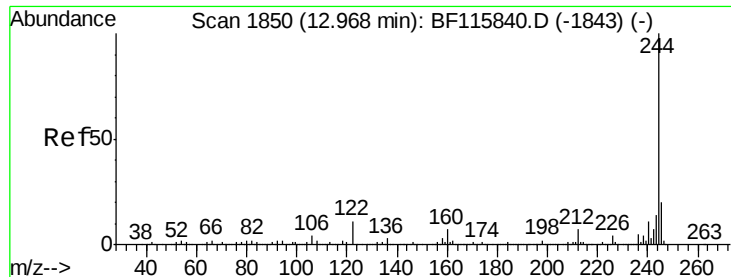
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116114.D
 Acq: 9 Aug 2019 15:39

Tgt Ion:240 Resp: 366197
 Ion Ratio Lower Upper
 240 100
 120 12.6 10.7 16.1
 236 26.5 22.2 33.2



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: 90.565 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

Instrument :

BNA_F

ClientSampleId :

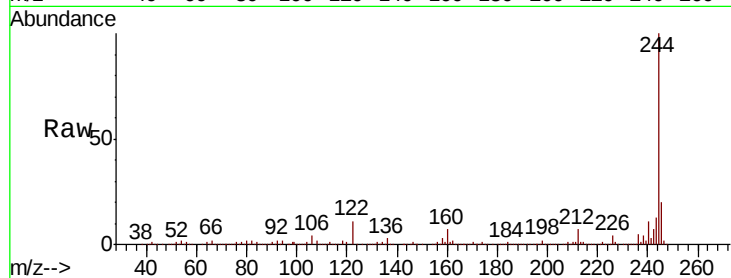
Tot Ion:244 Resp: 1573904

Ion Ratio Lower Upper

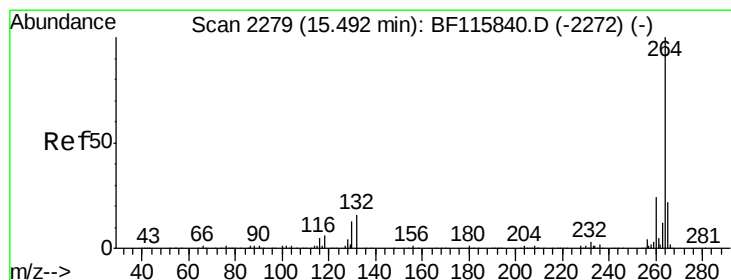
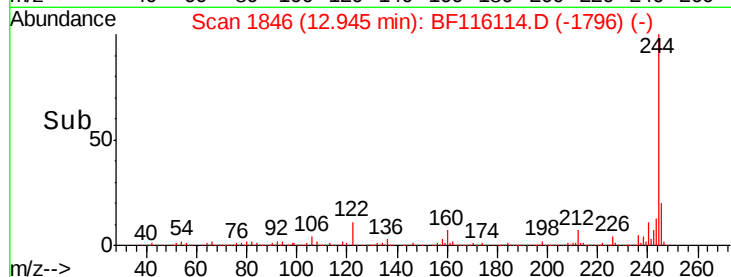
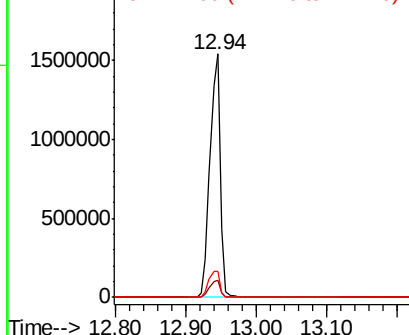
244 100

212 6.9 5.8 8.8

122 10.7 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116114.D

Acq: 9 Aug 2019 15:39

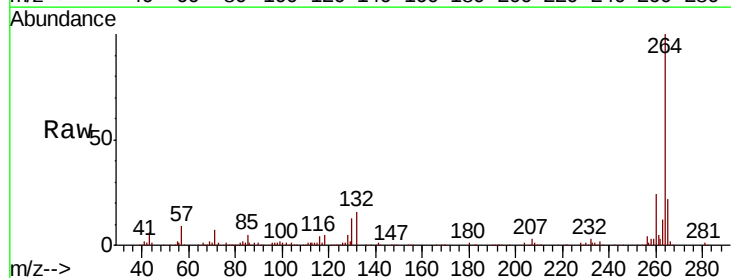
Tgt Ion:264 Resp: 298372

Ion Ratio Lower Upper

264 100

260 24.1 19.7 29.5

265 22.3 17.4 26.0



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

