

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116248.D
 Acq On : 13 Aug 2019 23:29
 Operator : HP/JU
 Sample : K4319-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 14 01:48:44 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

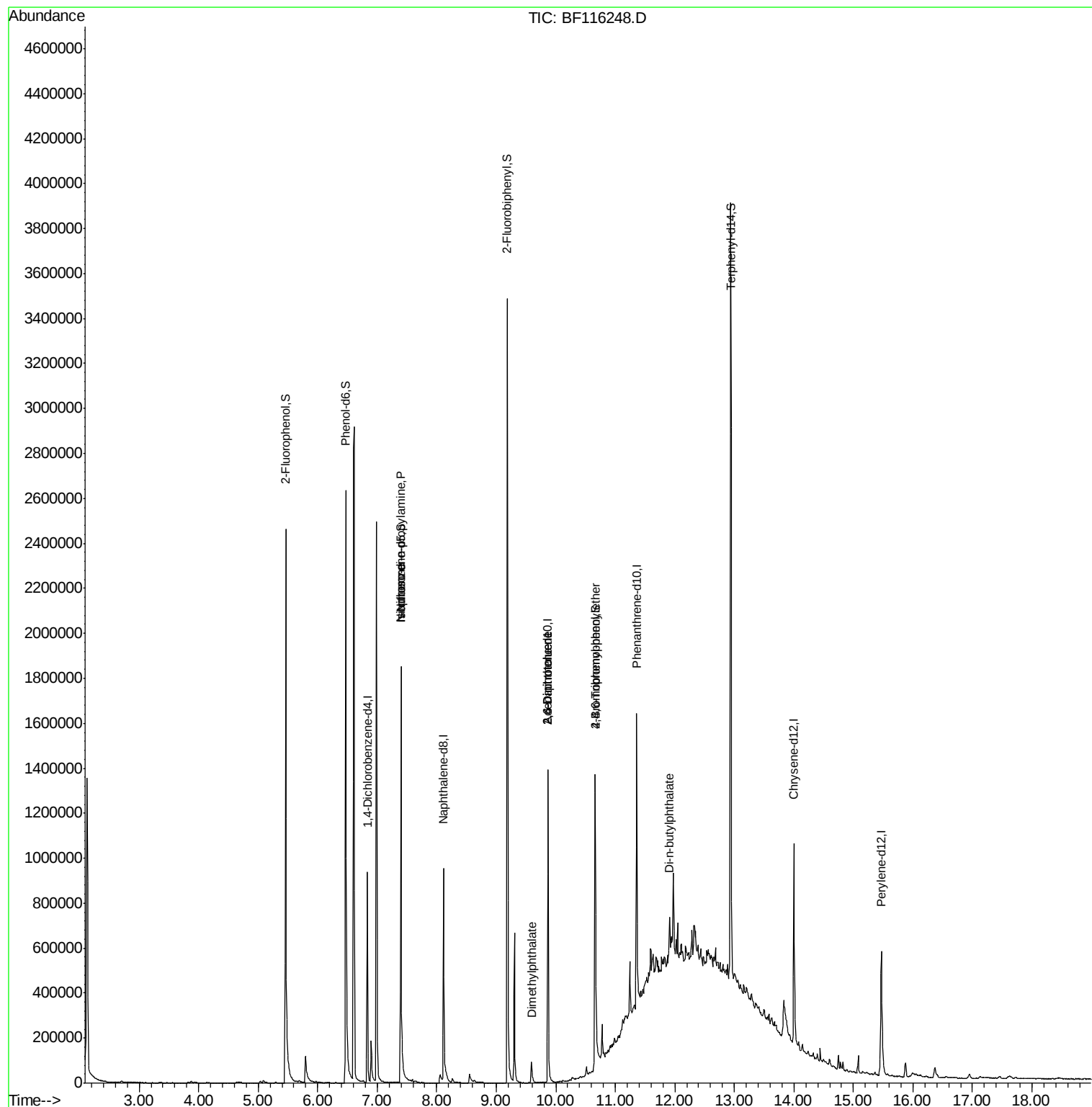
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	142671	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	571778	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	303927	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	534661	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	363886	20.00	ng	0.00
87) Perylene-d12	15.47	264	360986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	846135	99.28	ng	0.00
7) Phenol-d6	6.47	99	1111238	103.35	ng	-0.01
23) Nitrobenzene-d5	7.40	82	714140	72.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	237674	80.66	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1258599	77.57	ng	-0.02
79) Terphenyl-d14	12.94	244	1330075	77.02	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	97265	14.598	ng	# 79
25) Isophorone	7.40	82	714136	37.703	ng	# 65
50) Dimethylphthalate	9.59	163	70450	3.404	ng	# 98
51) 2,6-Dinitrotoluene	9.87	165	38053	8.462	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	38166	6.374	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	14143	2.471	ng	# 1
74) Di-n-butylphthalate	11.91	149	125345	4.281	ng	# 99

(#) = 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# 807

Delta R.T. -0.01 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

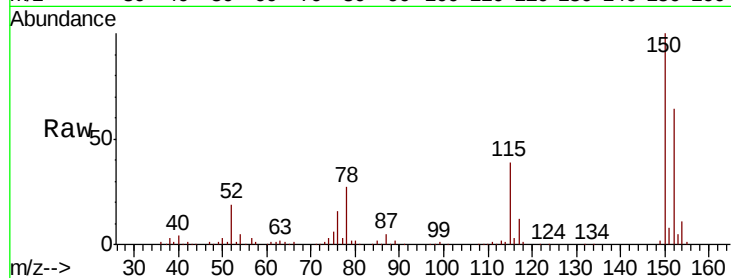
Tot Ion:152 Resp: 142671

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

115 60.9 49.9 74.9

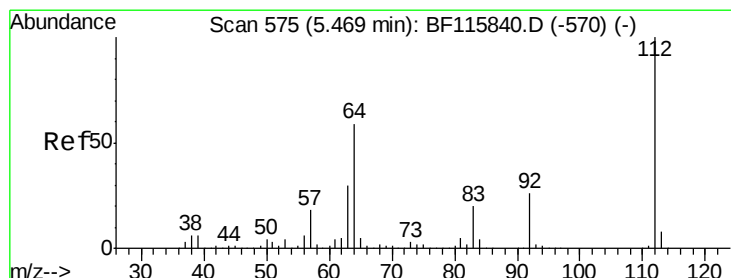
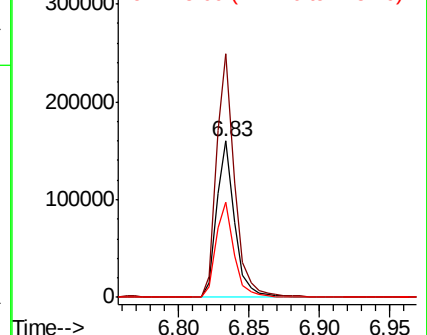
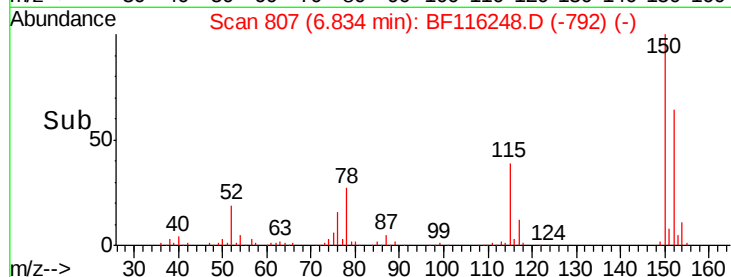


Abundance

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: 99.283 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

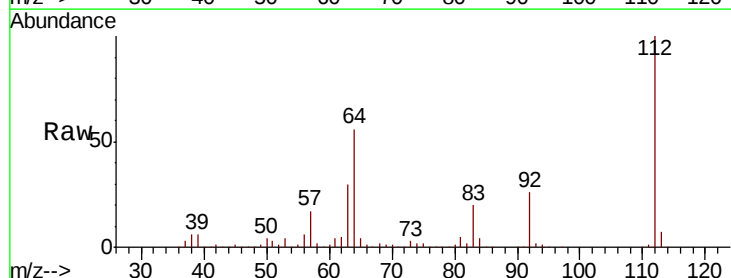
Tgt Ion:112 Resp: 846135

Ion Ratio Lower Upper

112 100

64 56.4 45.4 68.2

63 29.5 23.7 35.5

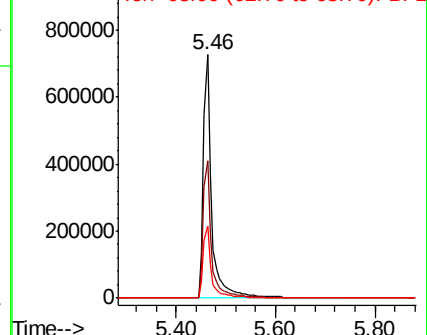
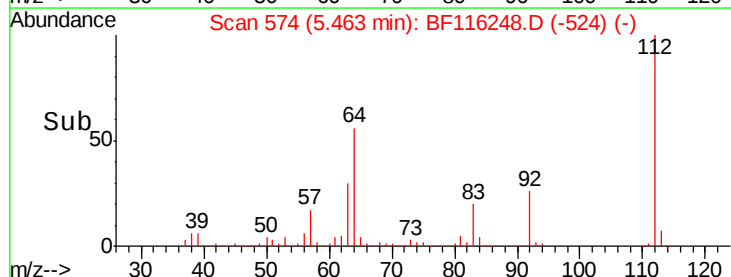


Abundance

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: 103.346 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

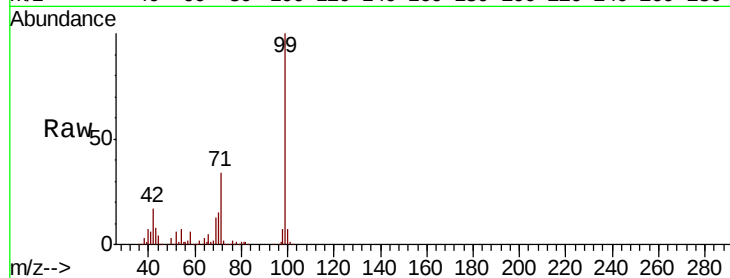
Tot Ion: 99 Resp: 1111238

Ion Ratio Lower Upper

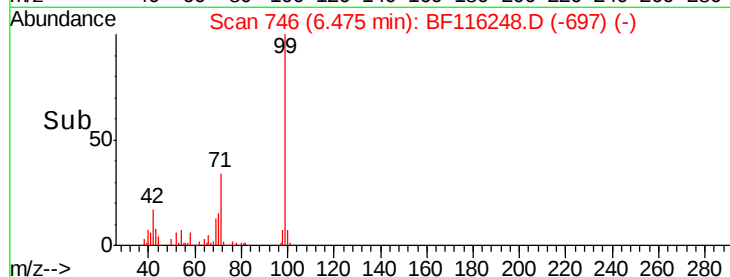
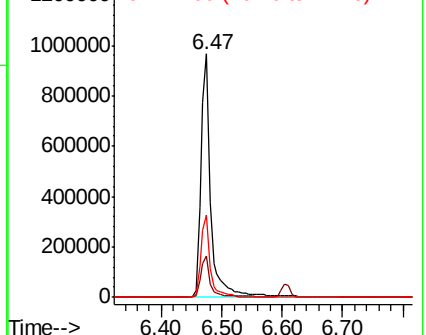
99 100

42 16.9 13.8 20.8

71 33.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.598 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

Tgt Ion: 70 Resp: 97265

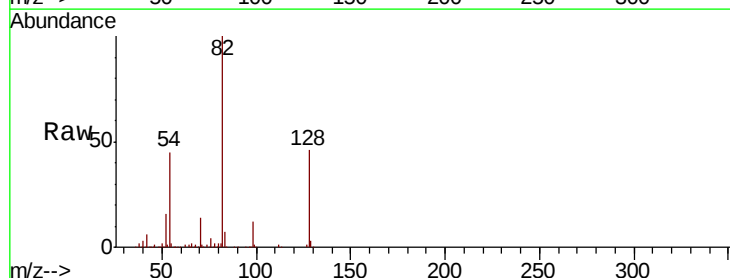
Ion Ratio Lower Upper

70 100

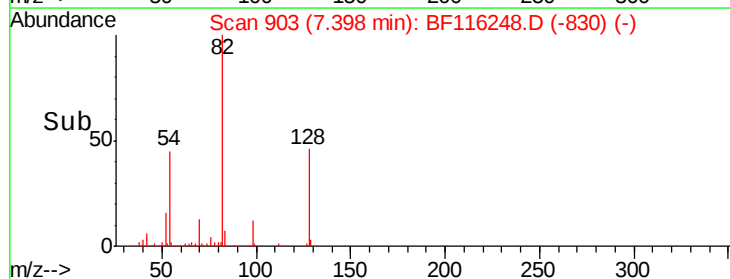
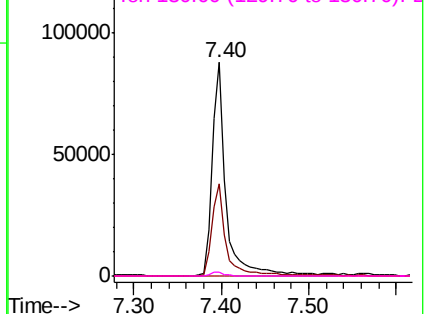
42 43.4 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 571778

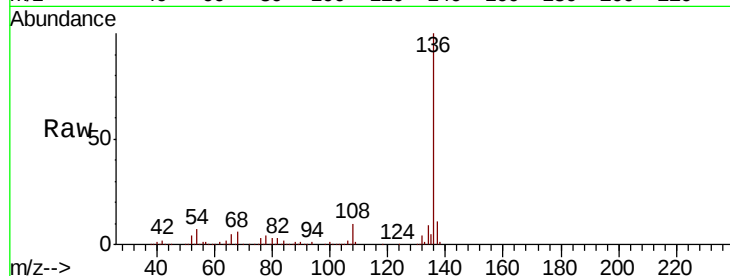
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 5.8 8.6

68 6.0 5.2 7.8

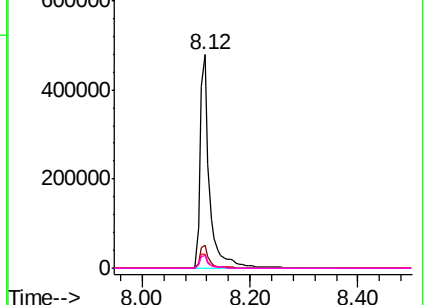
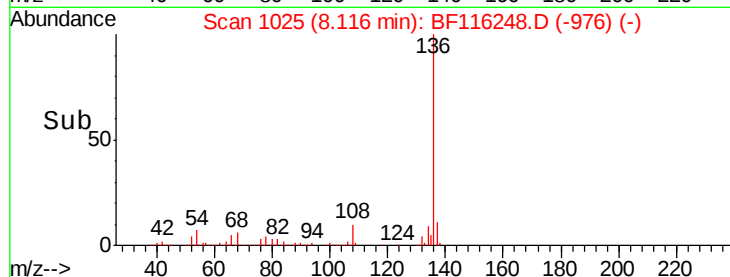


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.095 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

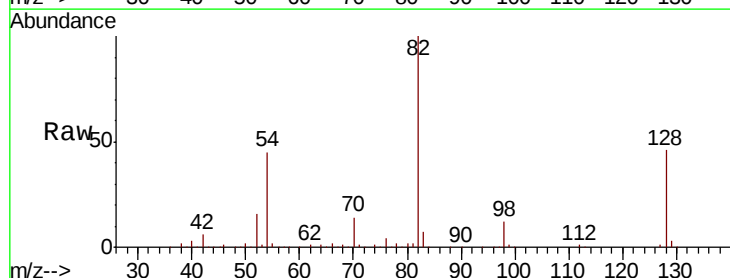
Tgt Ion: 82 Resp: 714140

Ion Ratio Lower Upper

82 100

128 46.2 36.5 54.7

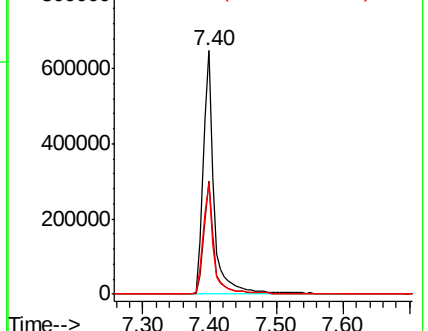
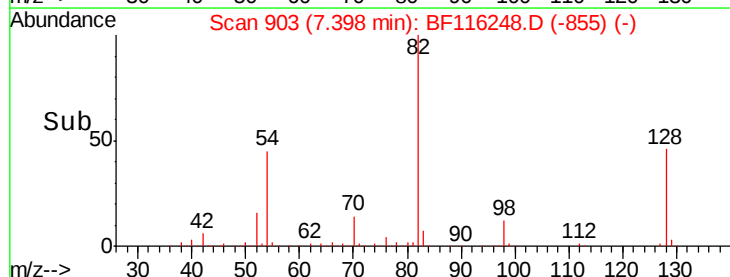
54 45.3 36.0 54.0

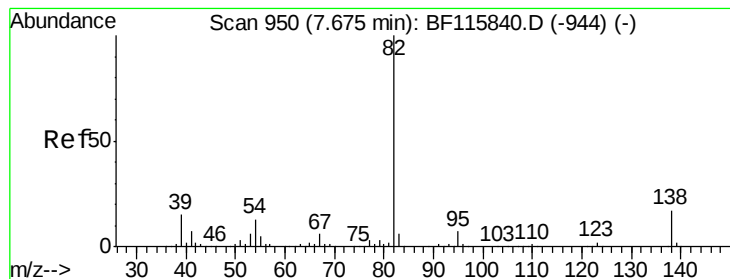


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.703 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

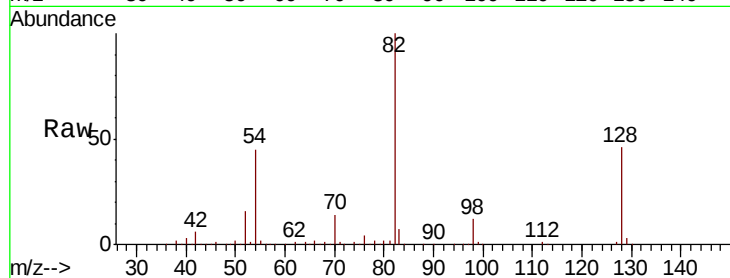
Tot Ion: 82 Resp: 714136

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#

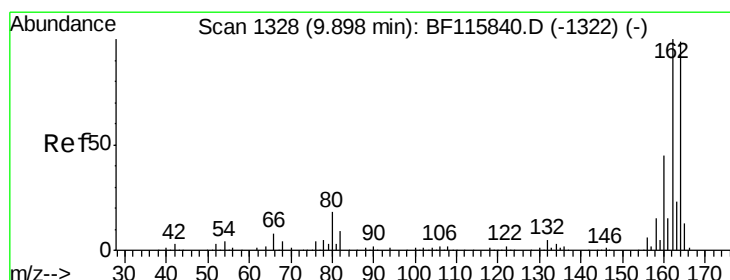
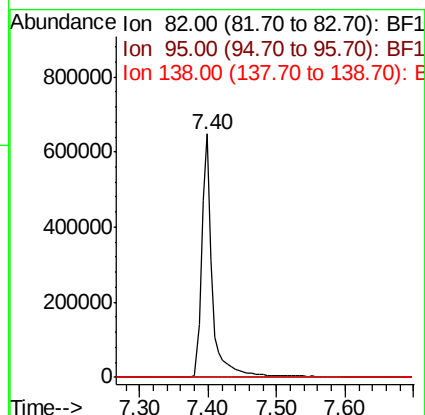
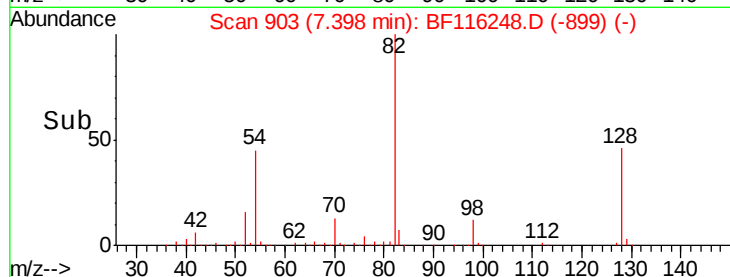


Abundance Ion 82.00 (81.70 to 82.70): BF115840.D (-944) (-)

Ion 95.00 (94.70 to 95.70): BF115840.D (-944) (-)

Ion 138.00 (137.70 to 138.70): BF115840.D (-944) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

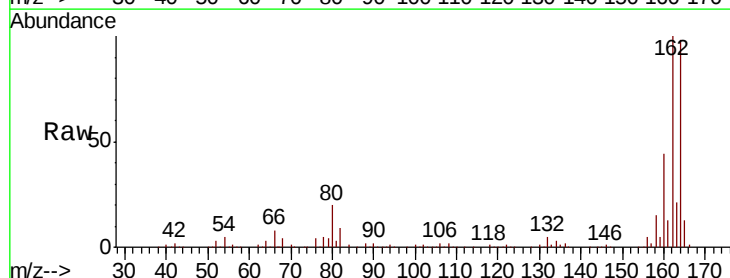
Tgt Ion:164 Resp: 303927

Ion Ratio Lower Upper

164 100

162 101.8 82.6 124.0

160 45.3 37.6 56.4

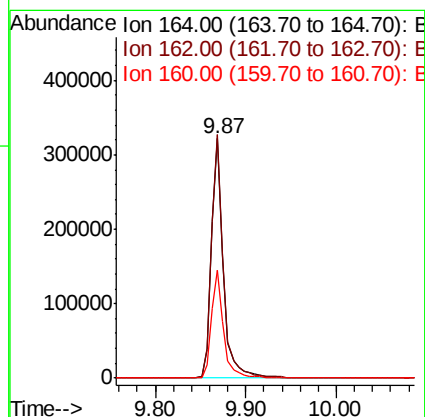
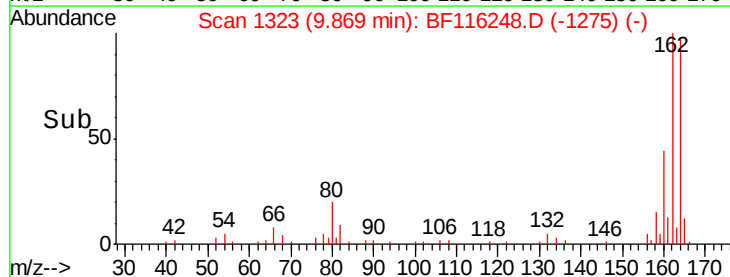


Abundance Ion 164.00 (163.70 to 164.70): BF115840.D (-1322) (-)

Ion 162.00 (161.70 to 162.70): BF115840.D (-1322) (-)

Ion 160.00 (159.70 to 160.70): BF115840.D (-1322) (-)

Time-->





#42

2,4,6-Tribromophenol

Concen: 80.659 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

Instrument :

BNA_F

ClientSampled :

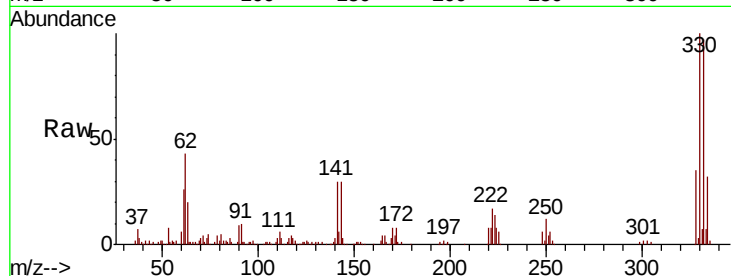
Tot Ion:330 Resp: 237674

Ion Ratio Lower Upper

330 100

332 97.2 76.8 115.2

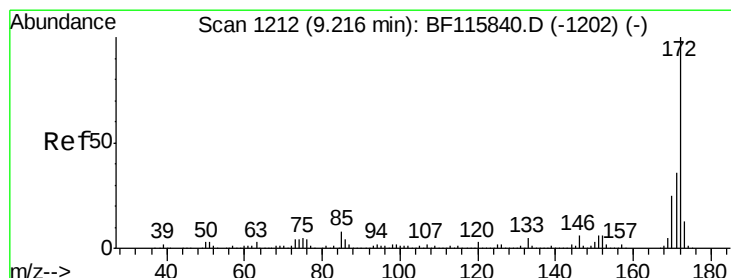
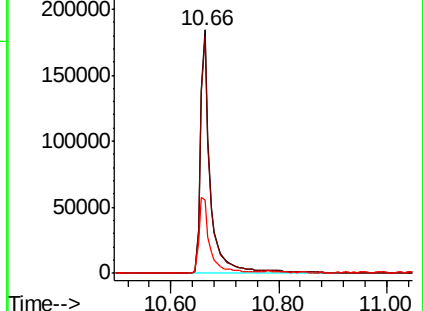
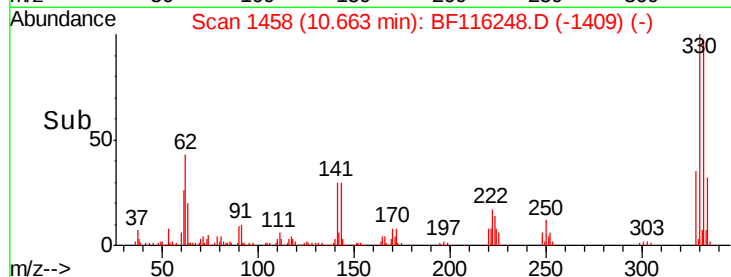
141 34.0 26.3 39.5



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: 77.566 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF116248.D

Acq: 13 Aug 2019 23:29

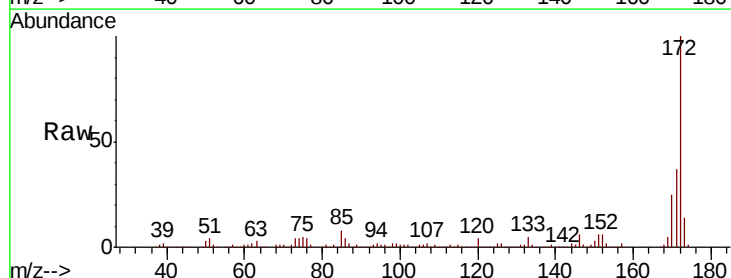
Tgt Ion:172 Resp: 1258599

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

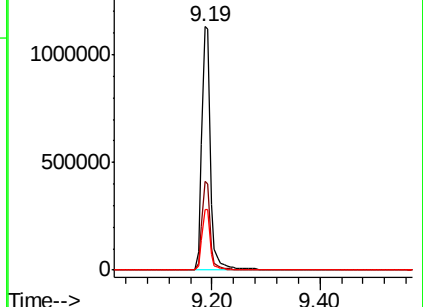
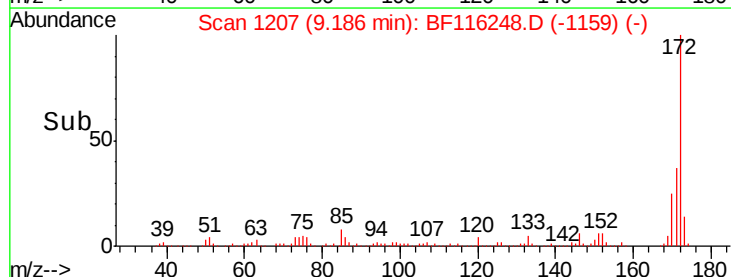
170 25.1 20.1 30.1

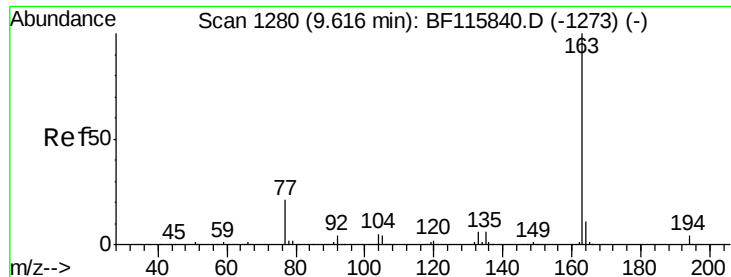


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

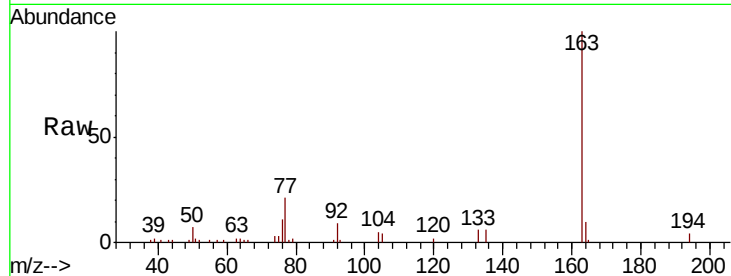




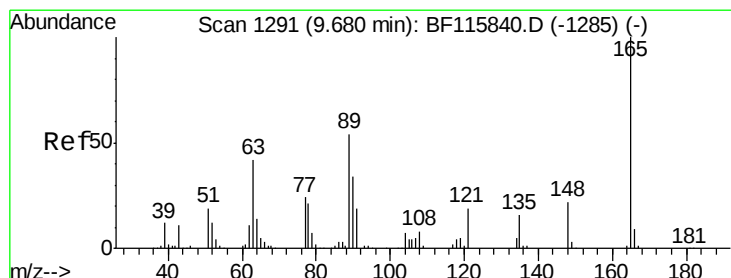
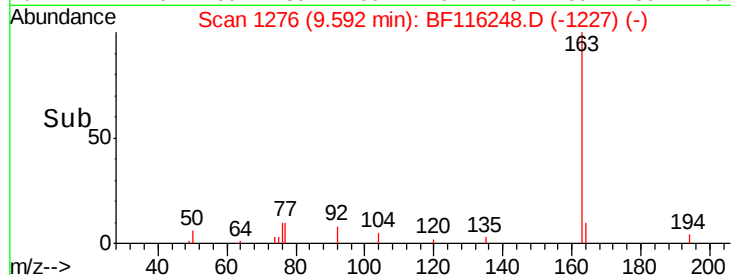
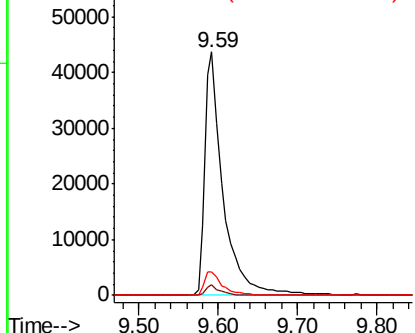
#50
 Dimethylphthalate
 Concen: 3.404 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163	Resp:	70450
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.0 4.6
164	9.7	8.4 12.6

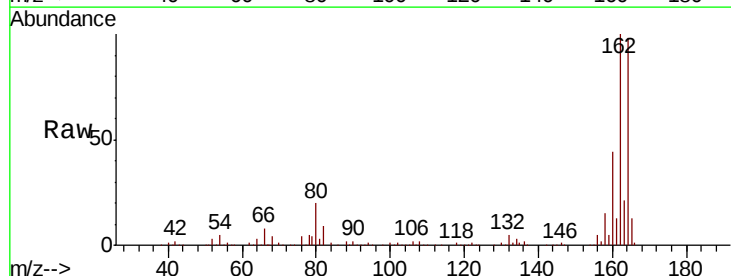


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

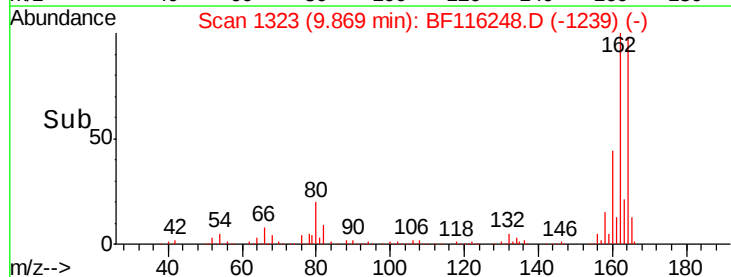
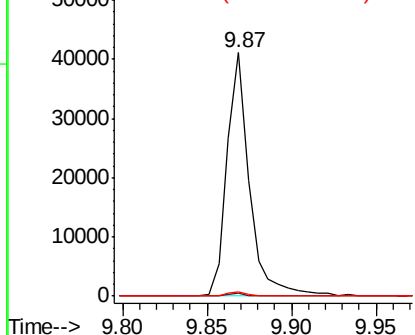


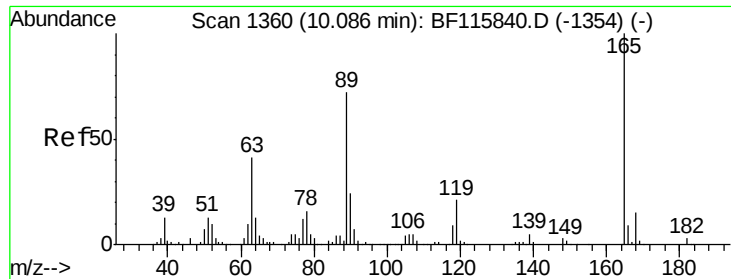
#51
 2,6-Dinitrotoluene
 Concen: 8.462 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Tgt Ion:165	Resp:	38053
Ion Ratio	Lower	Upper
165	100	
63	1.0	38.2 57.2#
89	1.6	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

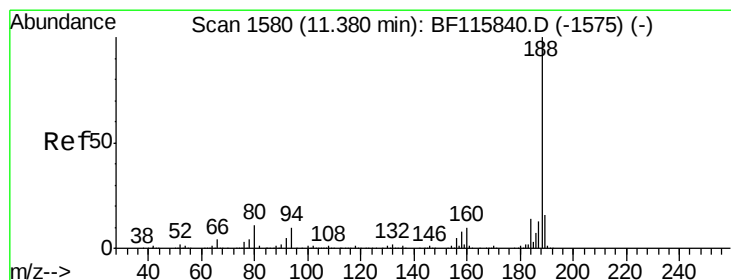
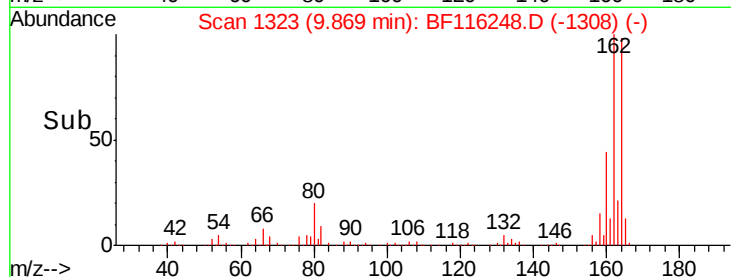
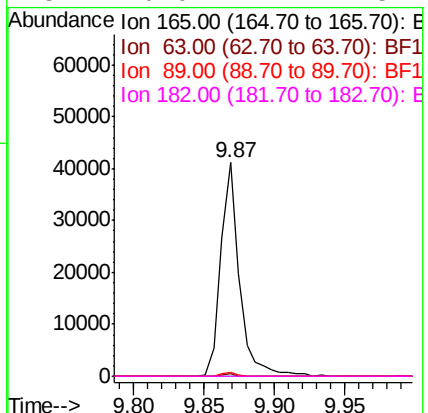
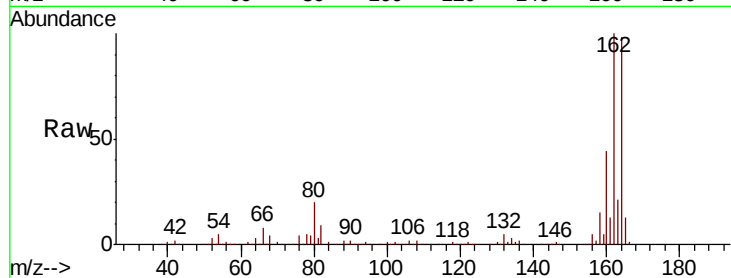




#57
 2,4-Dinitrotoluene
 Concen: 6.374 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

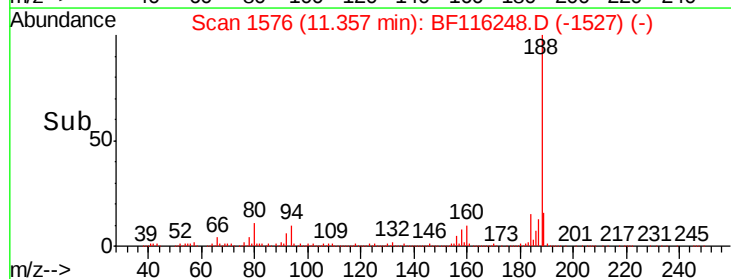
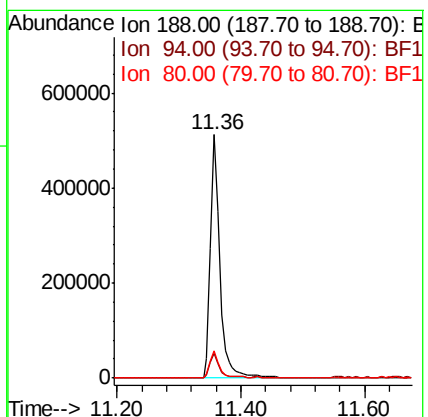
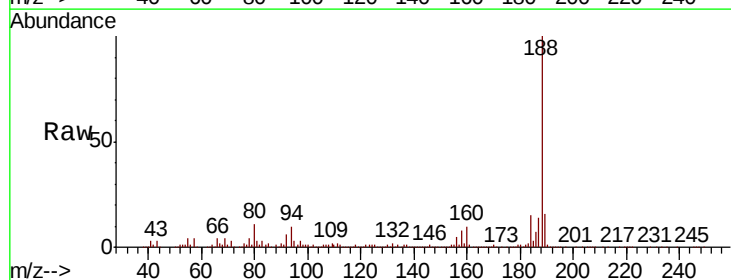
Instrument :
 BNA_F
 ClientSampleId :

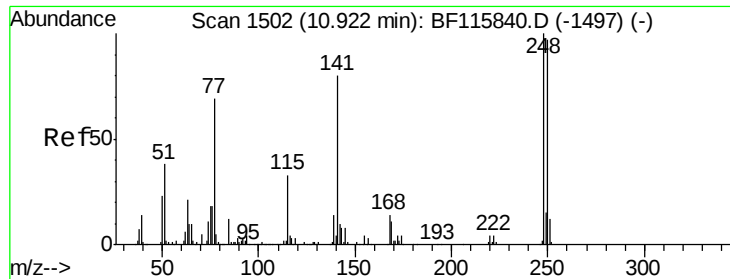
Tot Ion:165	Resp:	38166
Ion Ratio	Lower	Upper
165	100	
63	1.0	39.6 59.4#
89	1.6	62.2 93.2#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Tgt Ion:188	Resp:	534661
Ion Ratio	Lower	Upper
188	100	
94	10.1	8.1 12.1
80	11.3	8.7 13.1

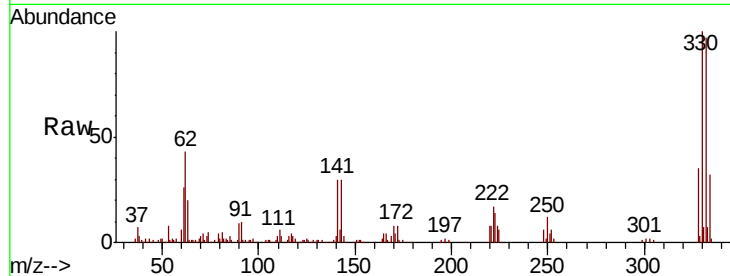




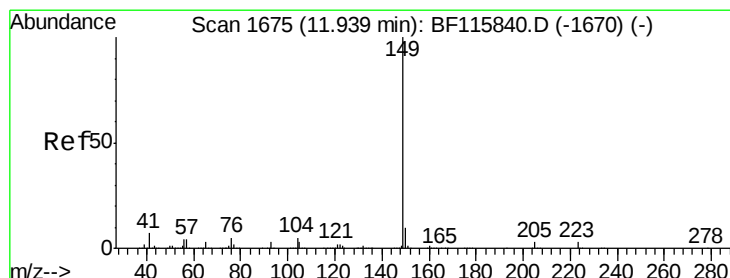
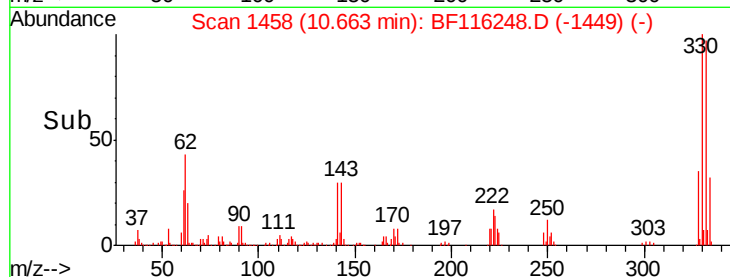
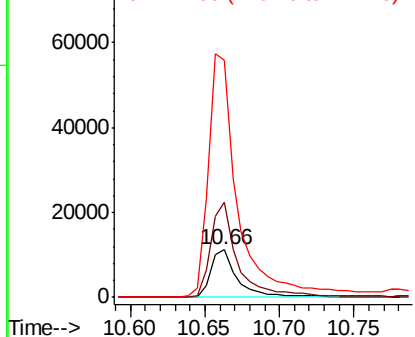
#67
 4-Bromophenyl-phenylether
 Concen: 2.471 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14143
 Ion Ratio Lower Upper
 248 100
 250 199.6 77.4 116.2#
 141 498.3 56.8 85.2#

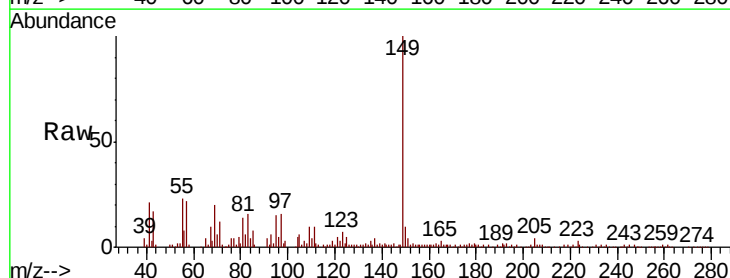


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

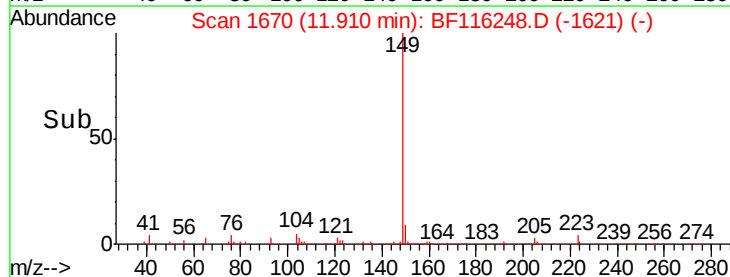
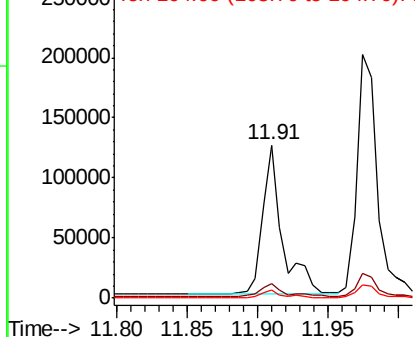


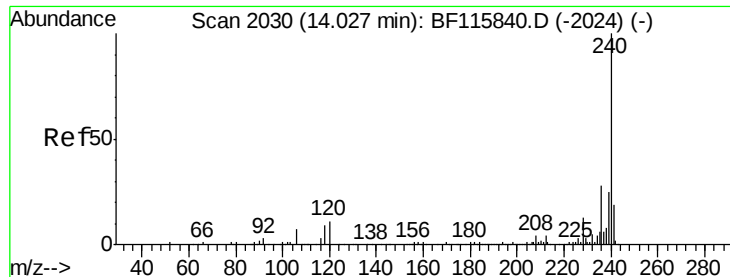
#74
 Di-n-butylphthalate
 Concen: 4.281 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Tgt Ion:149 Resp: 125345
 Ion Ratio Lower Upper
 149 100
 150 9.9 8.0 12.0
 104 5.1 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

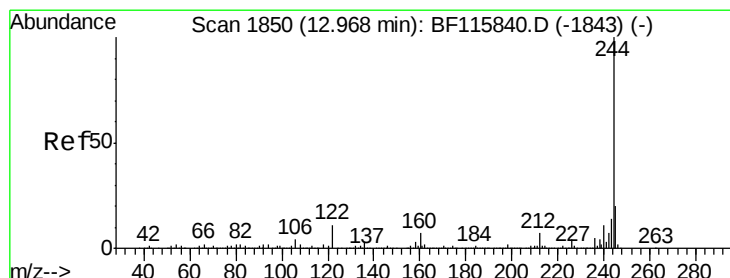
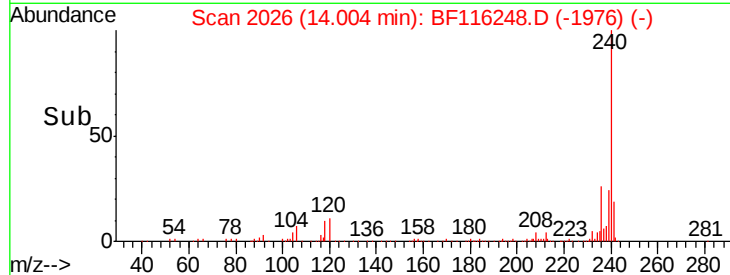
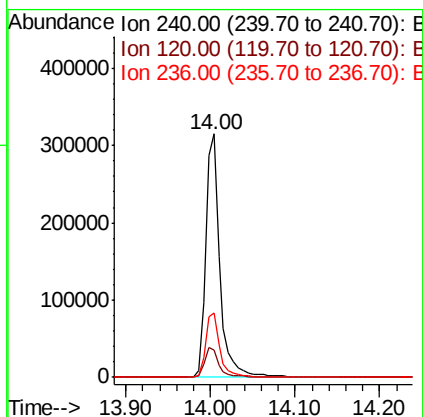
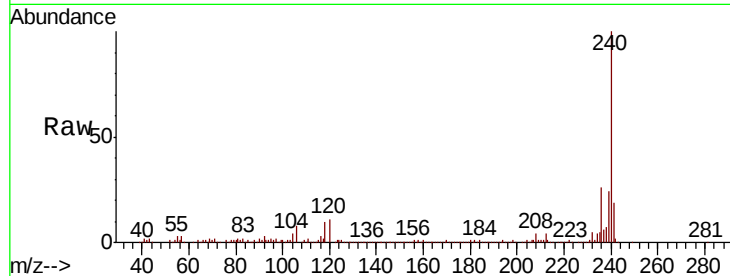




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

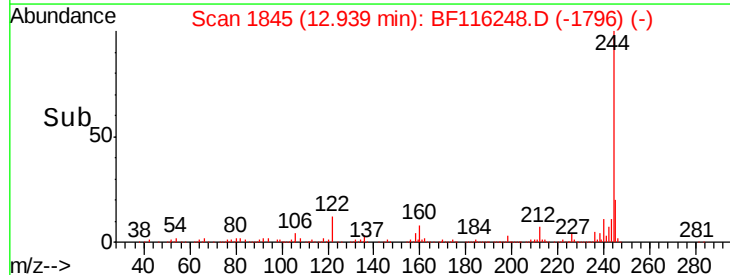
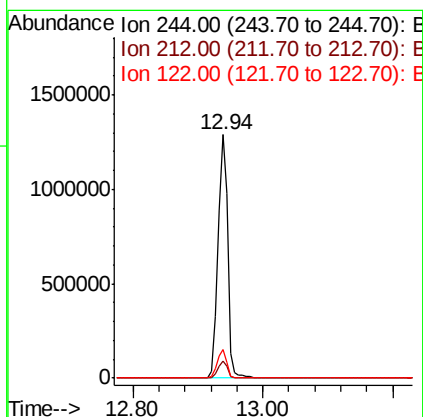
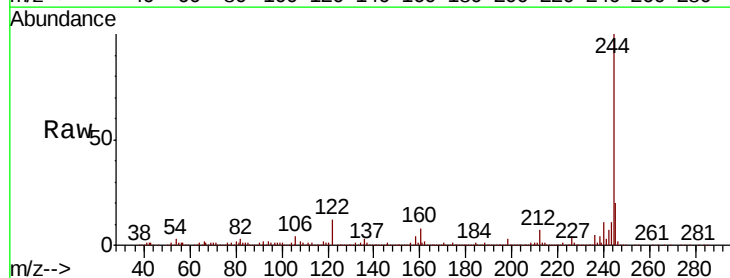
Instrument :
 BNA_F
 ClientSampleId :

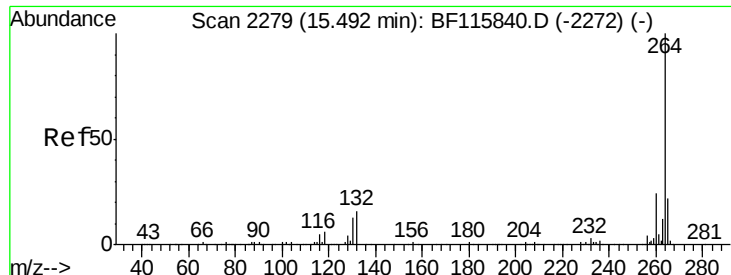
Tot Ion:240 Resp: 363886
 Ion Ratio Lower Upper
 240 100
 120 11.0 10.7 16.1
 236 26.4 22.2 33.2



#79
 Terphenyl-d14
 Concen: 77.021 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Tgt Ion:244 Resp: 1330075
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 11.8 9.0 13.4

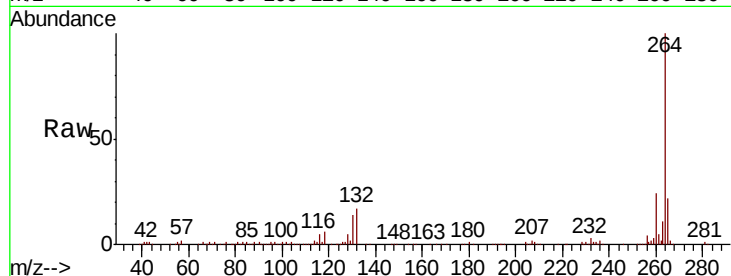




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116248.D
 Acq: 13 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.9	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

