

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116150.D
 Acq On : 10 Aug 2019 15:53
 Operator : HP/JU
 Sample : K4152-31
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:55:51 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

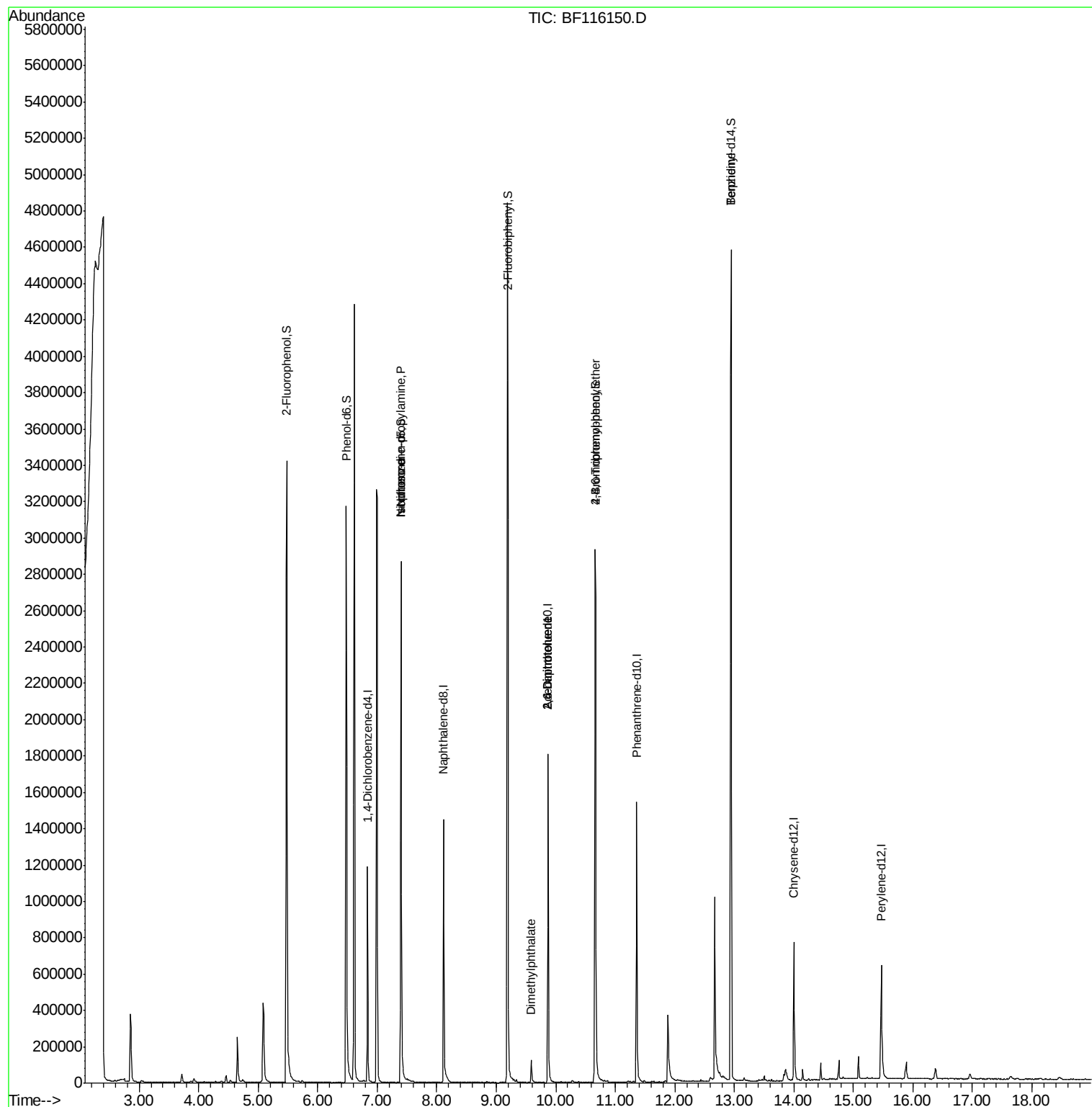
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	179432	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	729573	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	392712	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	630296	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	321416	20.00	ng	0.00
87) Perylene-d12	15.47	264	344585	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1136286	106.01	ng	0.01
7) Phenol-d6	6.48	99	1314212	97.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	1113109	88.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	475075	124.78	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1832946	87.42	ng	-0.01
79) Terphenyl-d14	12.94	244	1721897	112.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	149606	17.853	ng	# 78
25) Isophorone	7.40	82	1113104	46.057	ng	# 65
50) Dimethylphthalate	9.59	163	70680	2.643	ng	98
51) 2,6-Dinitrotoluene	9.87	165	50529	8.696	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	50530	6.531	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	29284	4.340	ng	# 1
77) Benzidine	12.94	184	22928	2.111	ng	95

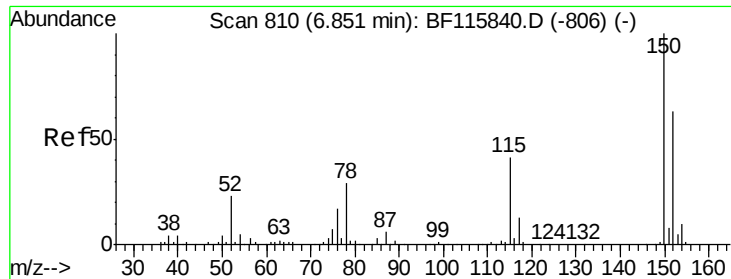
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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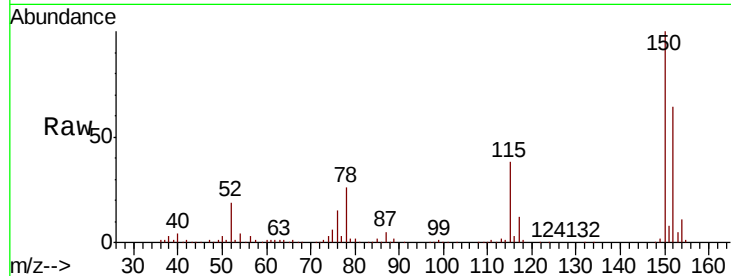


#1

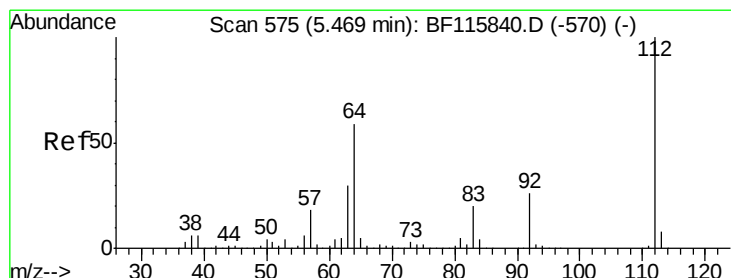
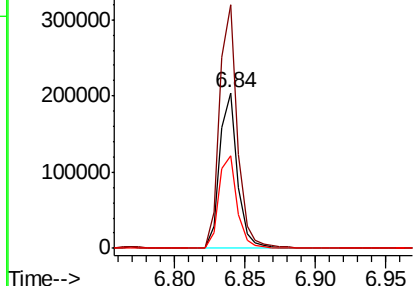
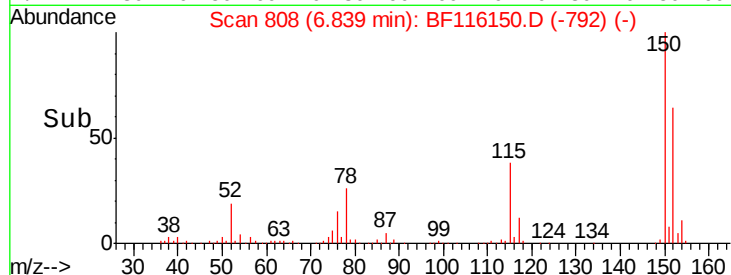
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116150.D
Acq: 10 Aug 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 179432
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 59.6 49.9 74.9



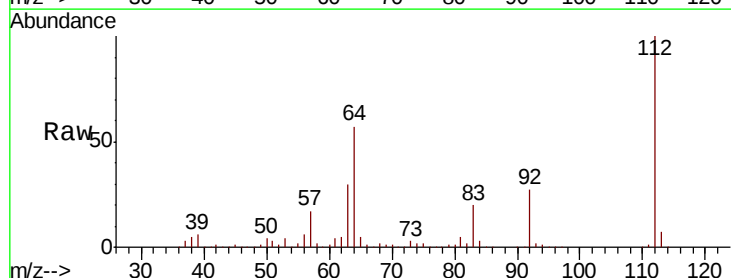
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



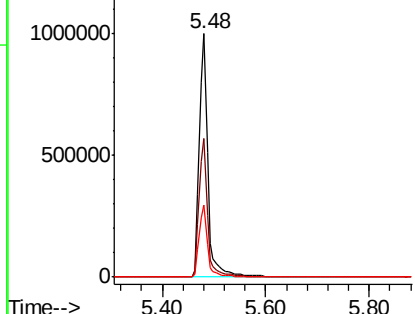
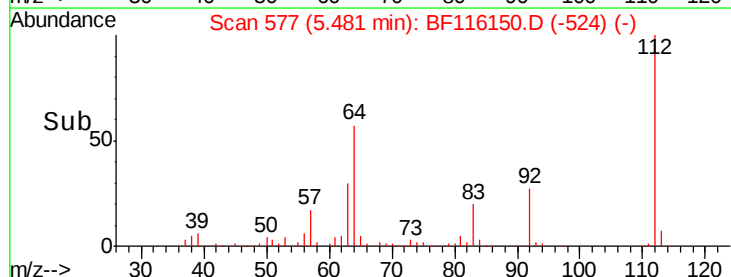
#5

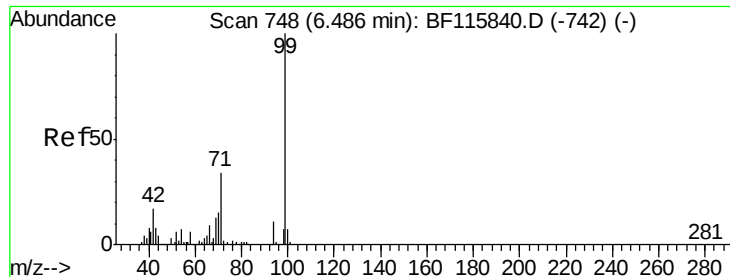
2-Fluorophenol
Concen: 106.013 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116150.D
Acq: 10 Aug 2019 15:53

Tgt Ion:112 Resp: 1136286
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.2
63 29.8 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: 97.183 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

Instrument :

BNA_F

ClientSampleId :

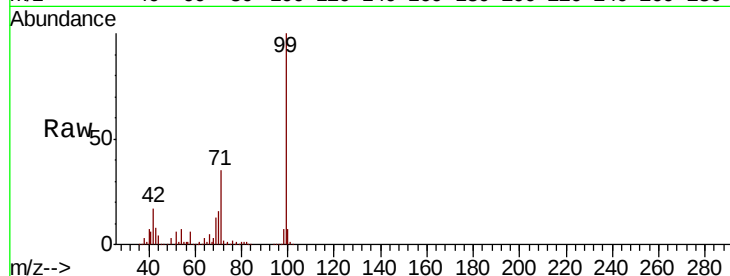
Tot Ion: 99 Resp: 1314212

Ion Ratio Lower Upper

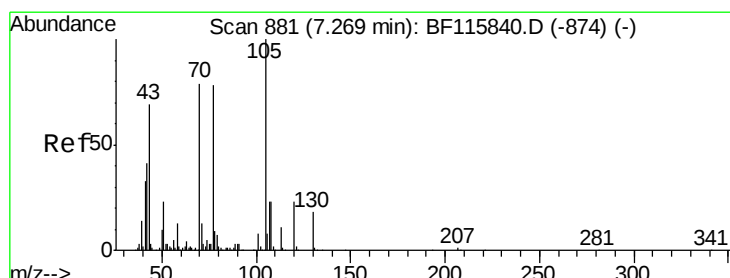
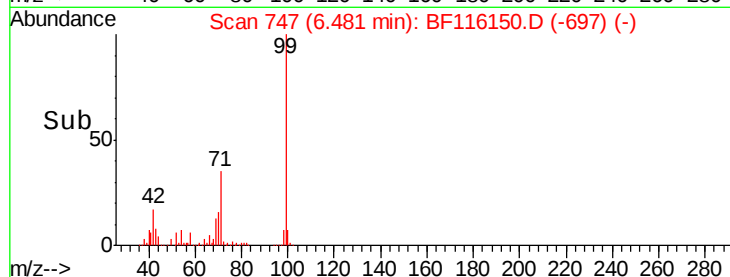
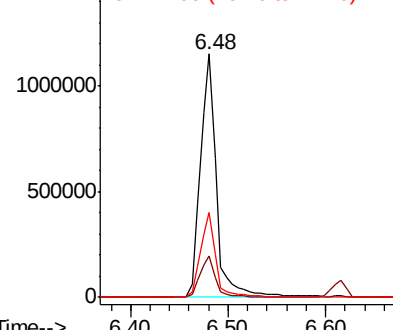
99 100

42 17.0 13.8 20.8

71 34.9 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: 17.853 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

Tgt Ion: 70 Resp: 149606

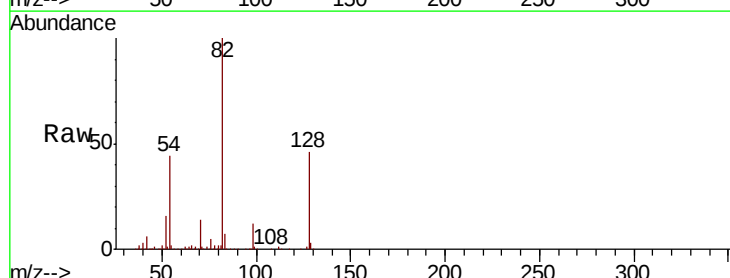
Ion Ratio Lower Upper

70 100

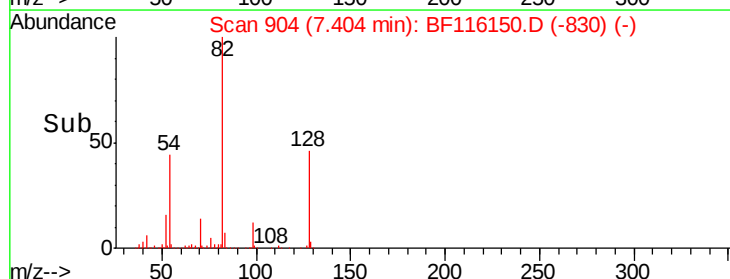
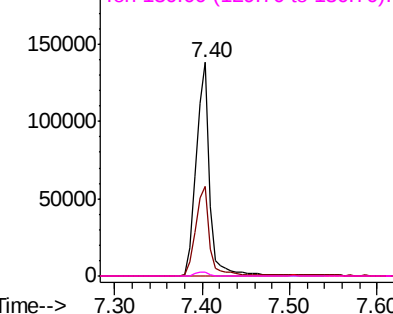
42 41.7 40.9 61.3

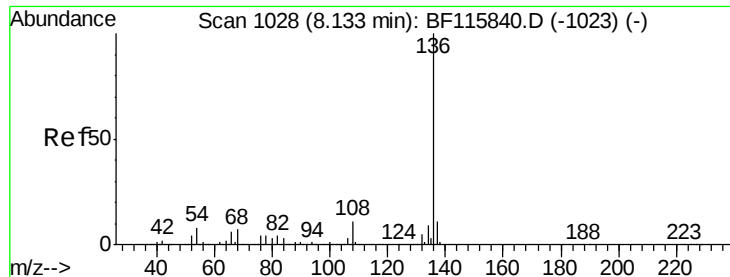
101 0.0 7.9 11.9#

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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 729573

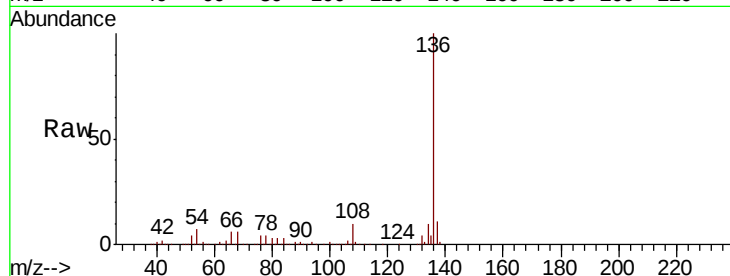
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 5.8 8.6

68 6.4 5.2 7.8

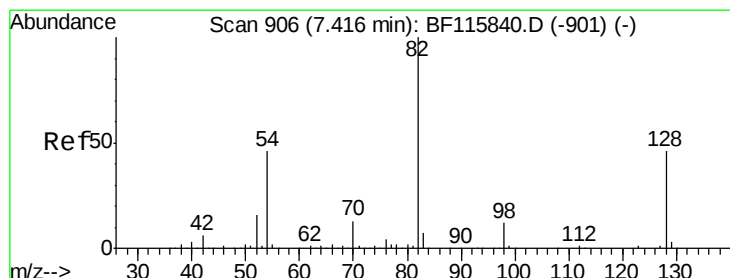
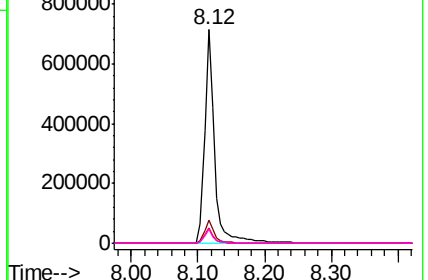
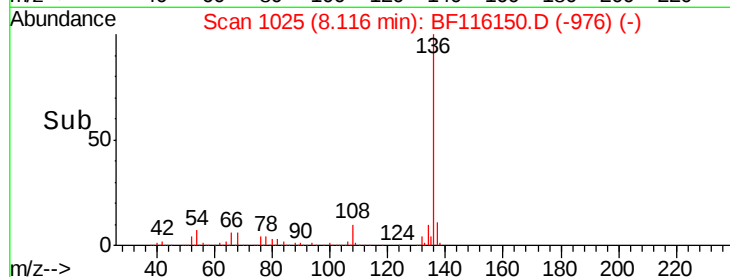


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.068 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

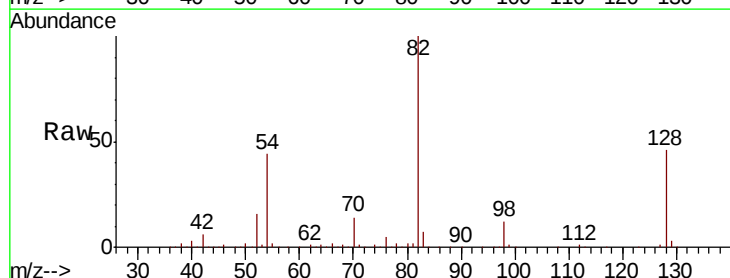
Tgt Ion: 82 Resp: 1113109

Ion Ratio Lower Upper

82 100

128 46.1 36.5 54.7

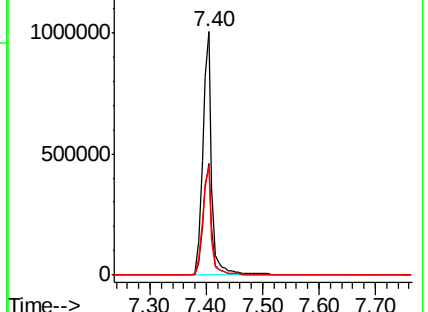
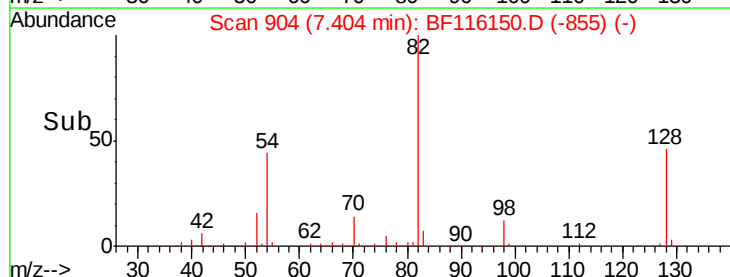
54 44.5 36.0 54.0

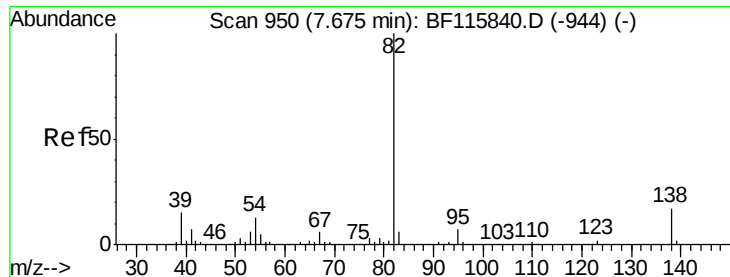


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.057 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

Instrument :

BNA_F

ClientSampleId :

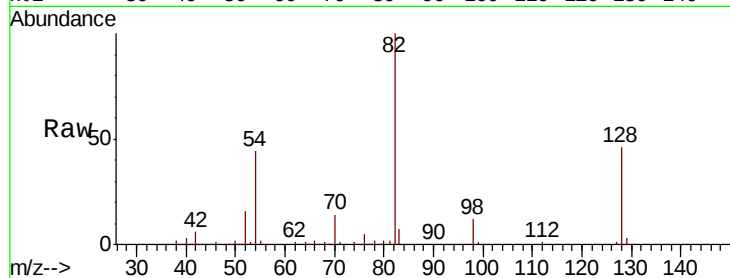
Tot Ion: 82 Resp: 1113104

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

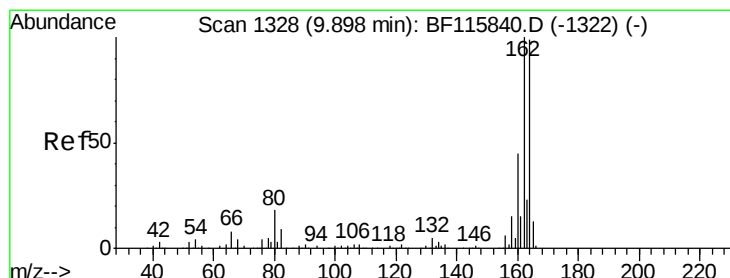
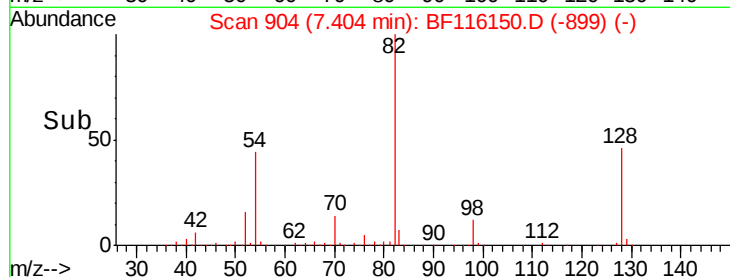
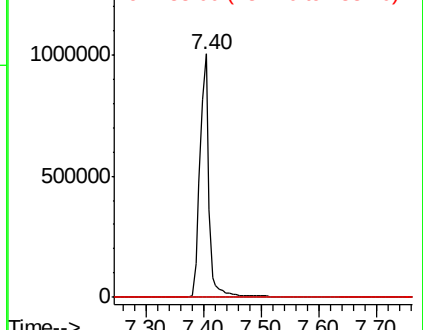
138 0.0 14.5 21.7#



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: BF116150.D

Acq: 10 Aug 2019 15:53

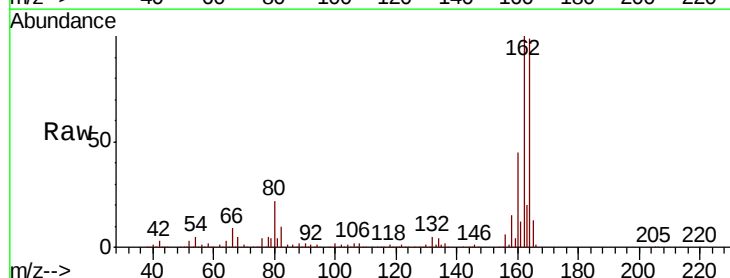
Tgt Ion:164 Resp: 392712

Ion Ratio Lower Upper

164 100

162 101.4 82.6 124.0

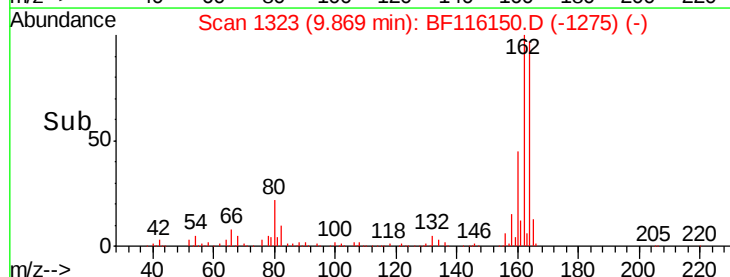
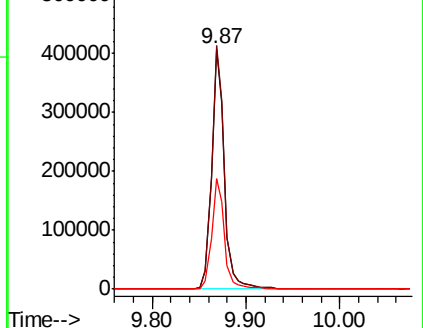
160 45.8 37.6 56.4

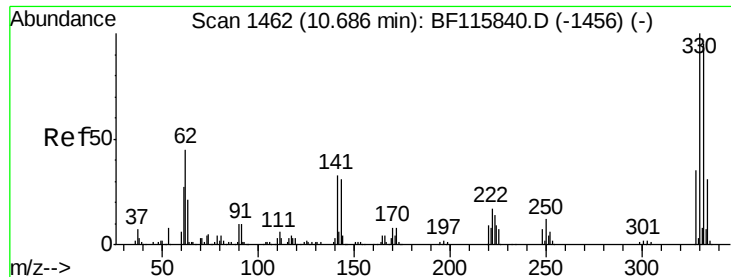


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

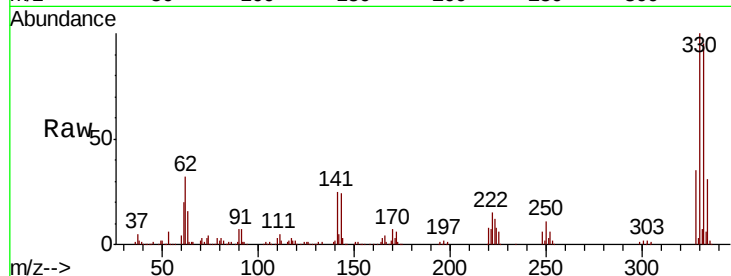




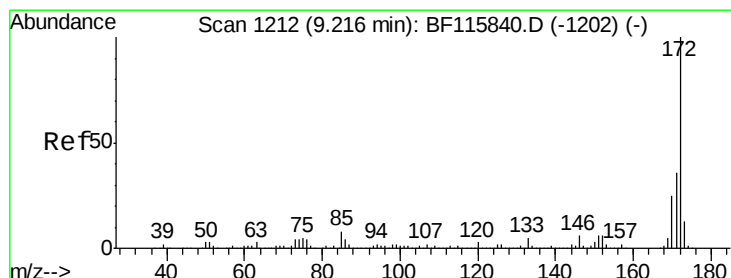
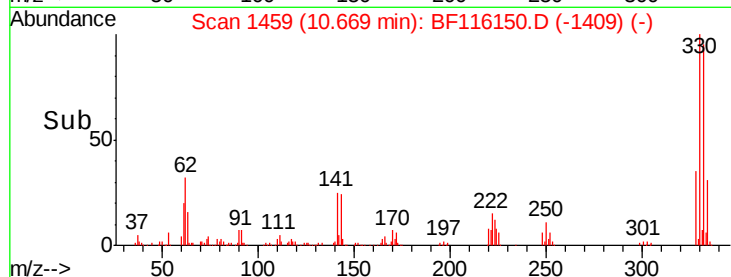
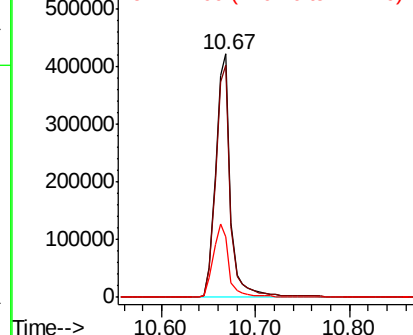
#42
 2,4,6-Tribromophenol
 Concen: 124.775 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116150.D
 Acq: 10 Aug 2019 15:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	32.3	26.3	39.5

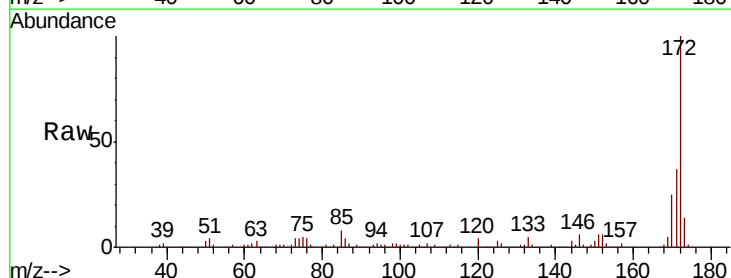


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

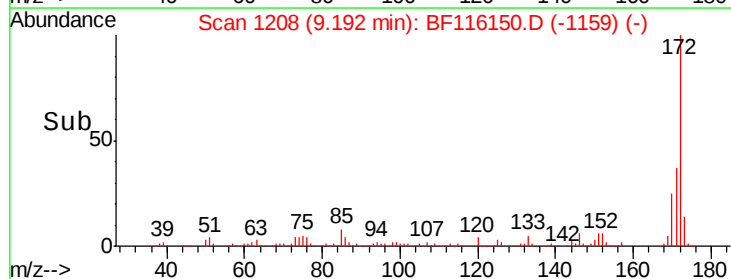
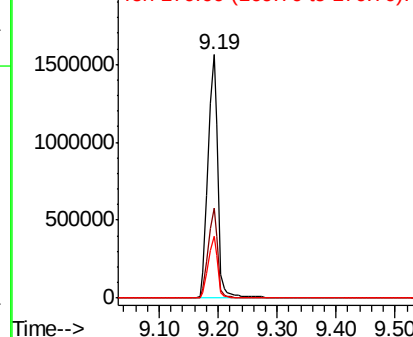


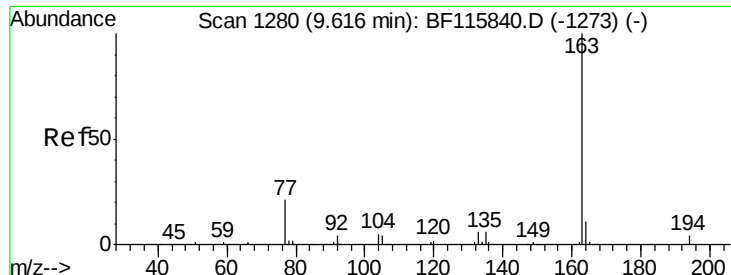
#45
 2-Fluorobiphenyl
 Concen: 87.424 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116150.D
 Acq: 10 Aug 2019 15:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	25.4	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

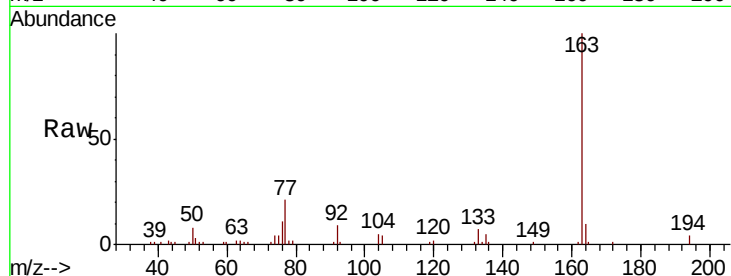




#50
Dimethylphthalate
Concen: 2.643 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116150.D
Acq: 10 Aug 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	9.7	8.4	12.6

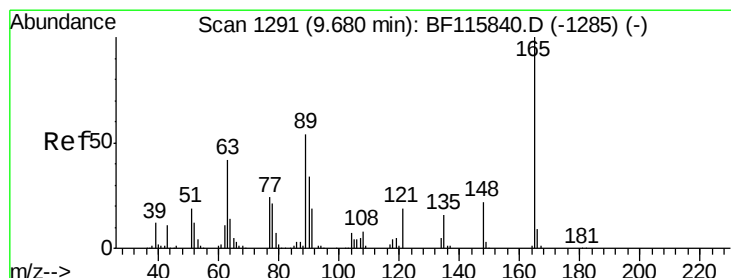
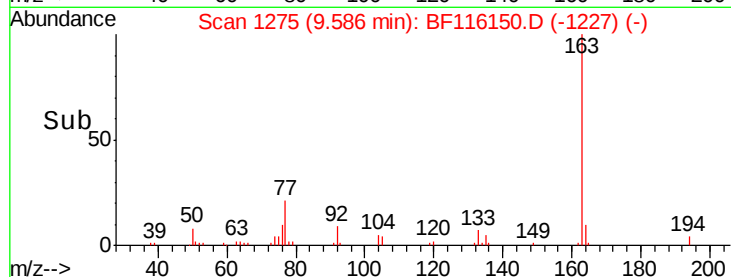
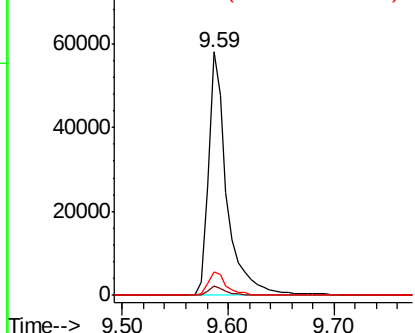


Abundance

Ion 163.00 (162.70 to 163.70): E

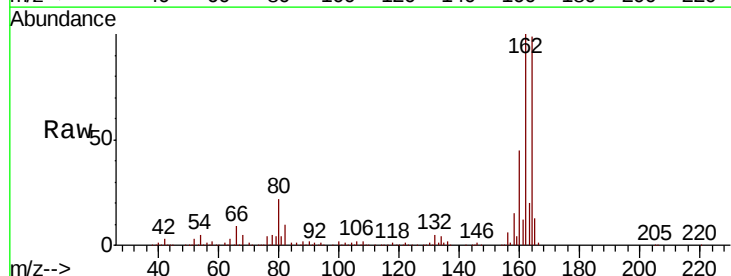
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.696 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.19 min
Lab File: BF116150.D
Acq: 10 Aug 2019 15:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.2	57.2#
89	1.6	42.9	64.3#

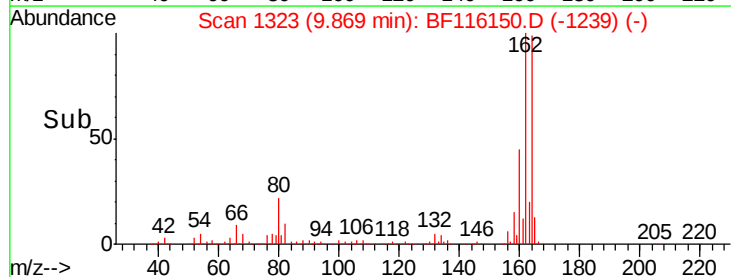
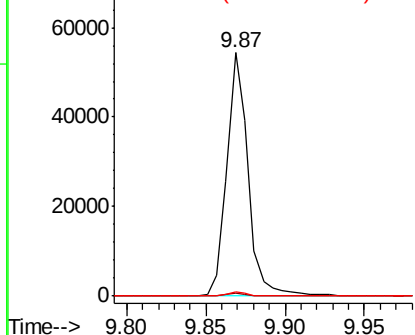


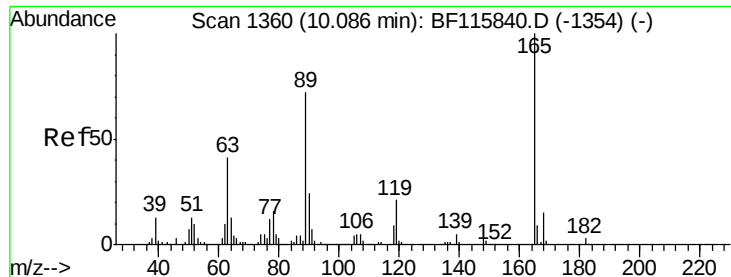
Abundance

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

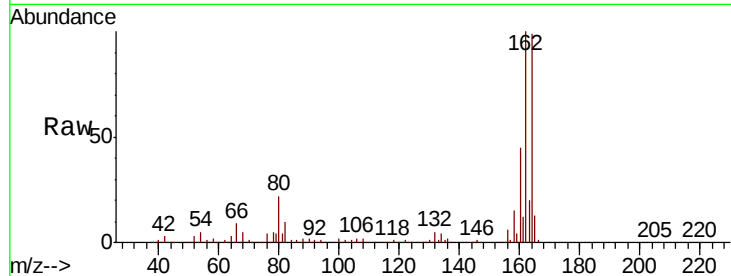




#57
 2,4-Dinitrotoluene
 Concen: 6.531 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116150.D
 Acq: 10 Aug 2019 15:53

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#



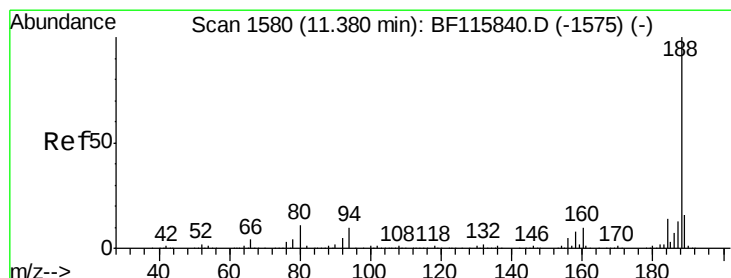
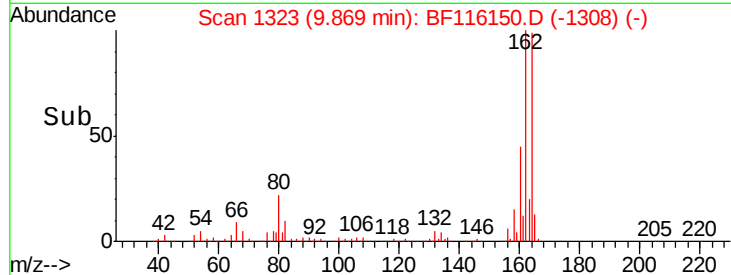
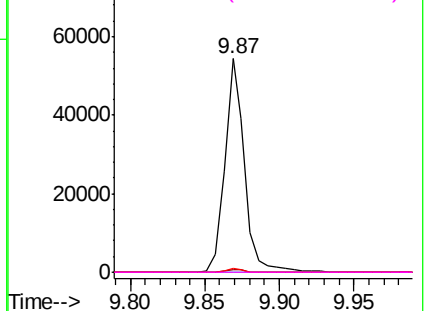
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

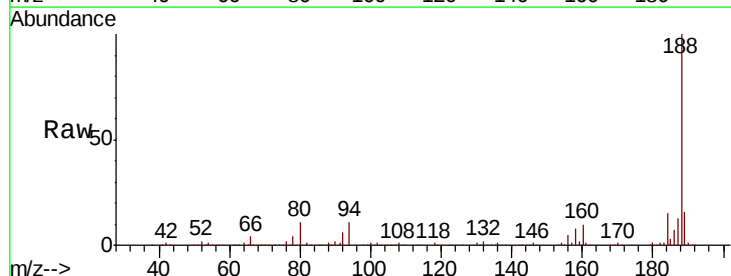
Ion 89.00 (88.70 to 89.70): BF1

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: BF116150.D
 Acq: 10 Aug 2019 15:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.3	8.7	13.1

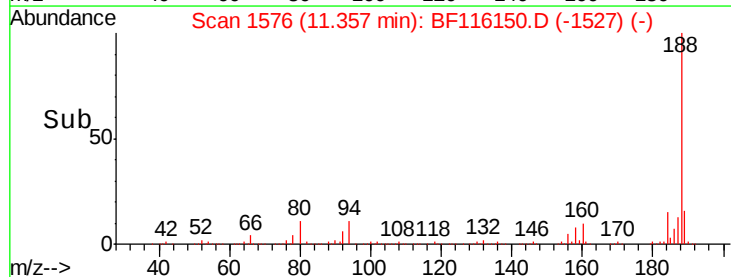
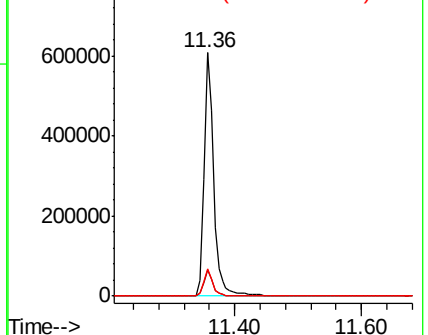


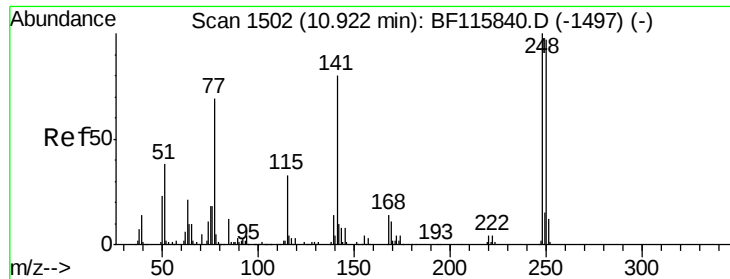
Abundance

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

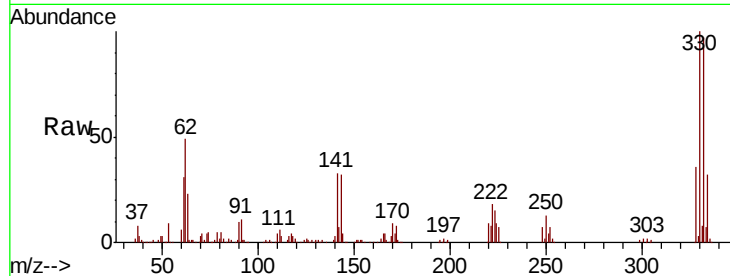




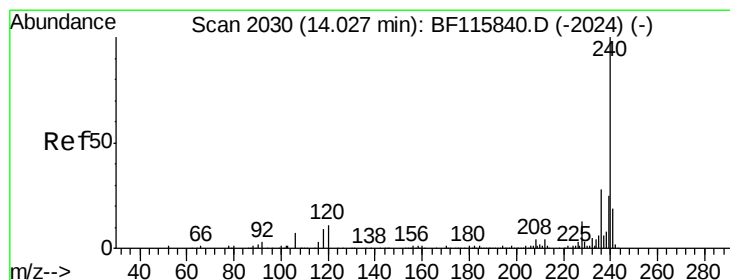
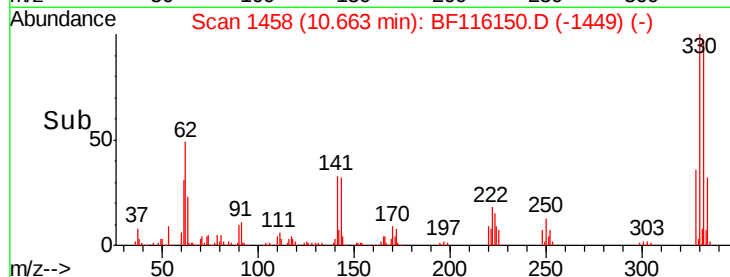
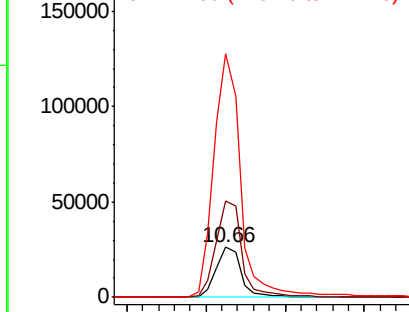
#67
4-Bromophenyl-phenylether
Concen: 4.340 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116150.D
Acq: 10 Aug 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 29284
Ion Ratio Lower Upper
248 100
250 192.9 77.4 116.2#
141 489.5 56.8 85.2#

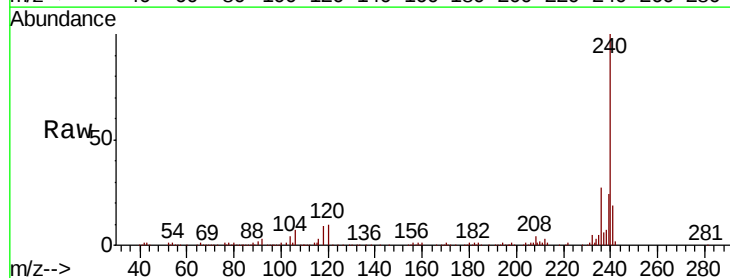


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

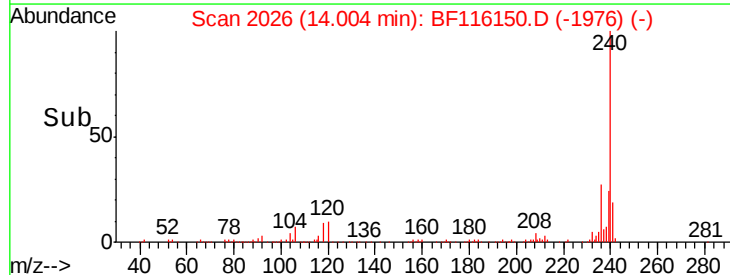
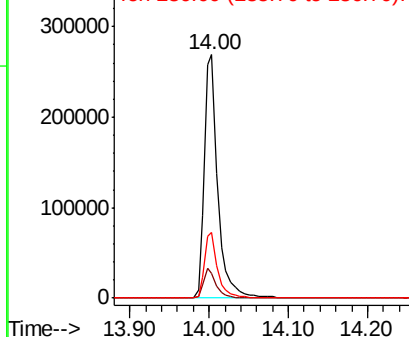


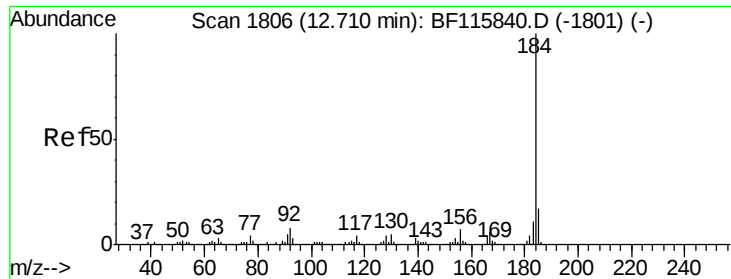
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116150.D
Acq: 10 Aug 2019 15:53

Tgt Ion:240 Resp: 321416
Ion Ratio Lower Upper
240 100
120 10.4 10.7 16.1#
236 26.8 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





#77

Benzidine

Concen: 2.111 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.25 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

Instrument :

BNA_F

ClientSampled :

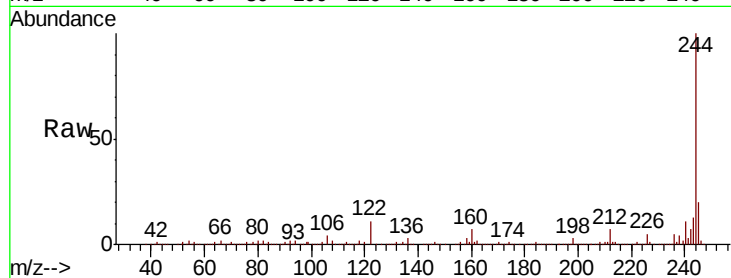
Tot Ion:184 Resp: 22928

Ion Ratio Lower Upper

184 100

185 17.9 12.8 19.2

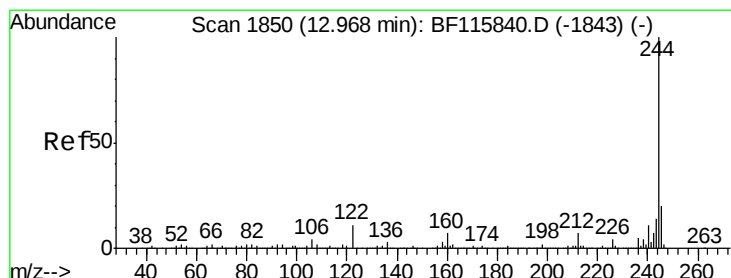
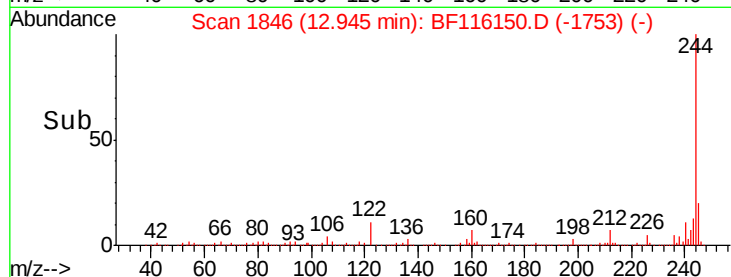
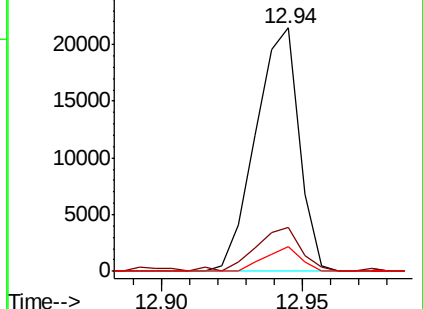
183 9.9 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 112.886 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116150.D

Acq: 10 Aug 2019 15:53

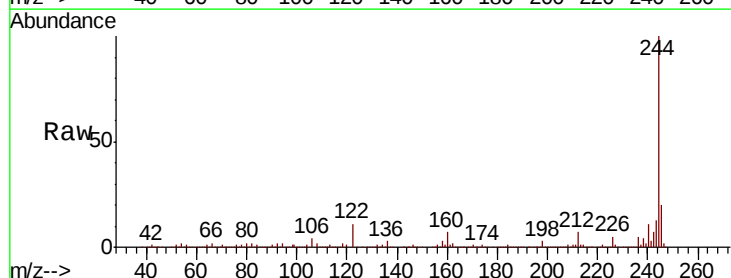
Tgt Ion:244 Resp: 1721897

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

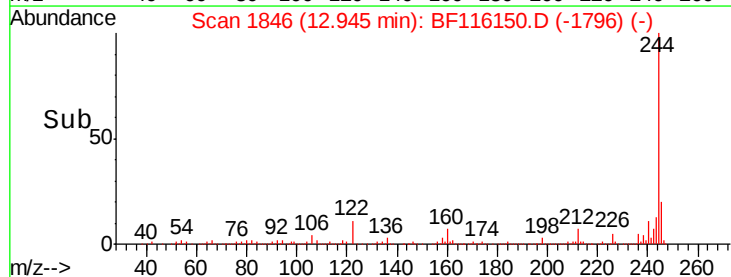
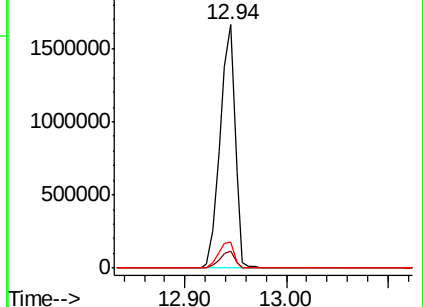
122 10.8 9.0 13.4

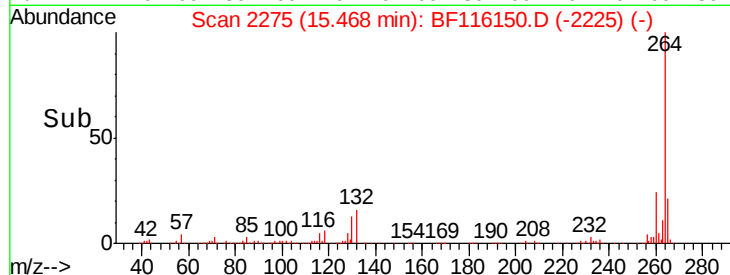
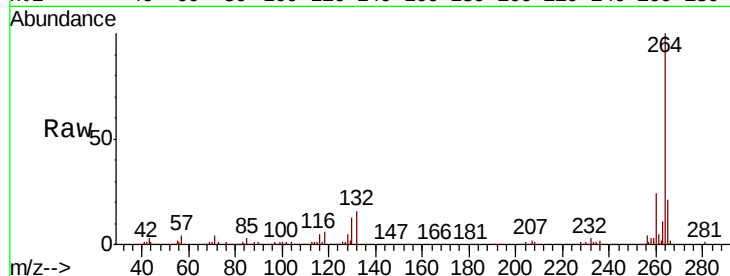
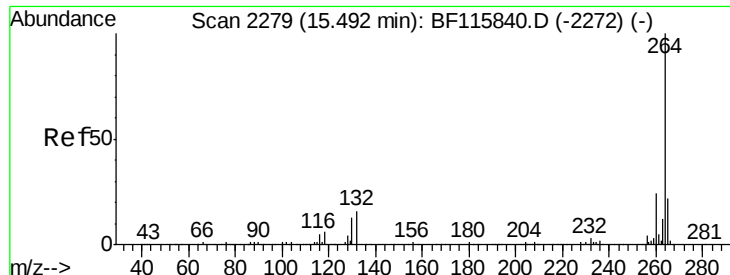


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116150.D
 Acq: 10 Aug 2019 15:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	344585
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.7 29.5
265	21.2	17.4 26.0

