

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116931.D
 Acq On : 10 Sep 2019 19:48
 Operator : HP/JU
 Sample : K4789-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 01:01:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

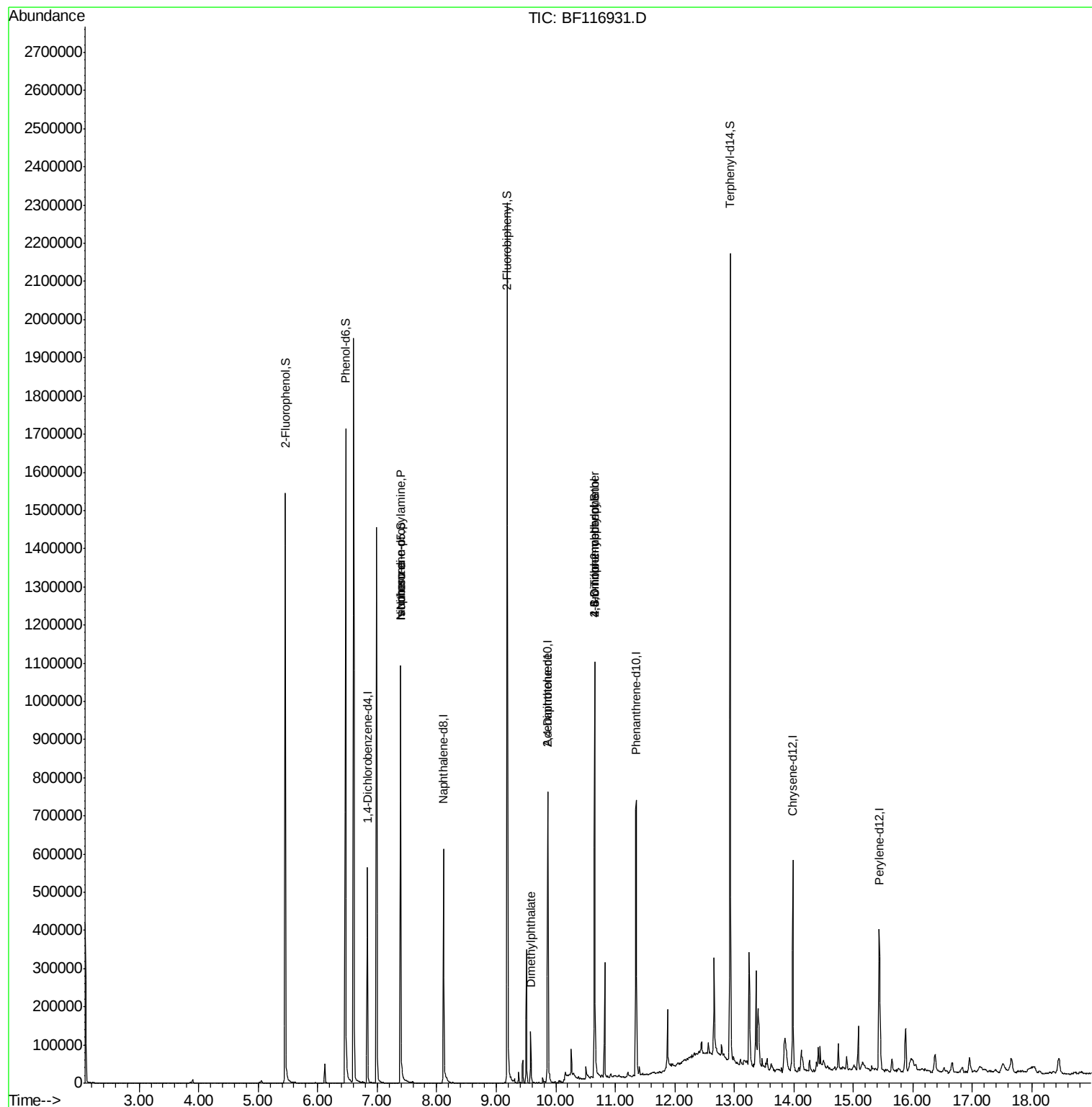
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	82127	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	327842	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	169727	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	279171	20.00	ng	0.00
76) Chrysene-d12	13.98	240	174345	20.00	ng	0.00
87) Perylene-d12	15.43	264	167199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	465508	91.83	ng	0.00
7) Phenol-d6	6.47	99	627632	94.29	ng	0.00
23) Nitrobenzene-d5	7.39	82	398787	69.44	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	116422	102.61	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	710843	70.65	ng	0.00
79) Terphenyl-d14	12.93	244	686256	72.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	51448	11.738	ng	# 72
25) Isophorone	7.39	82	398785	34.269	ng	# 66
50) Dimethylphthalate	9.58	163	64987	5.546	ng	# 98
57) 2,4-Dinitrotoluene	9.86	165	22068	8.073	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.65	198	113	7.544	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	8011	2.825	ng	# 1

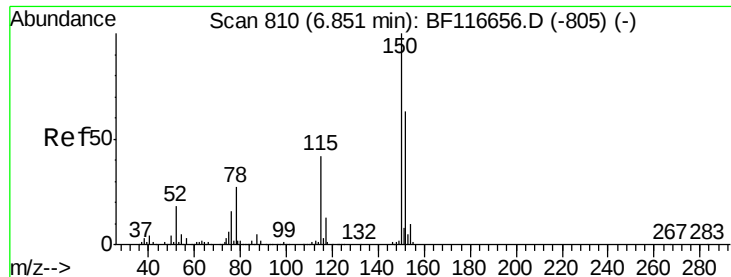
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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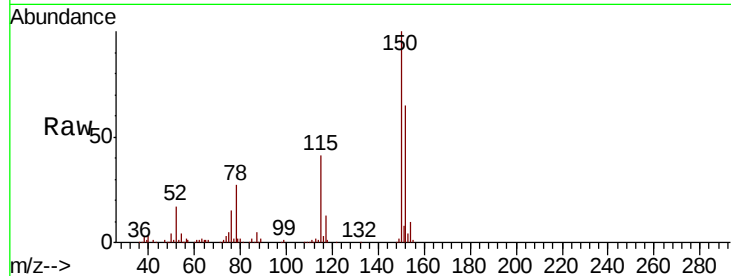


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116931.D
Acq: 10 Sep 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.4	186.6
115	62.5	49.9	74.9

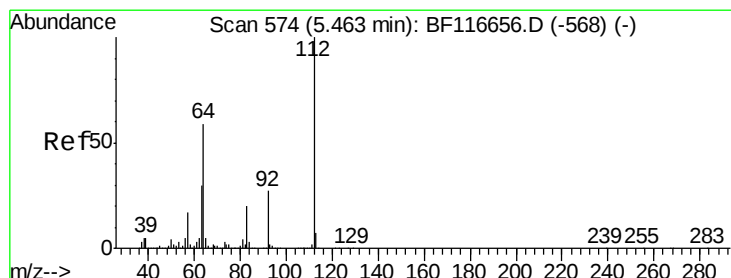
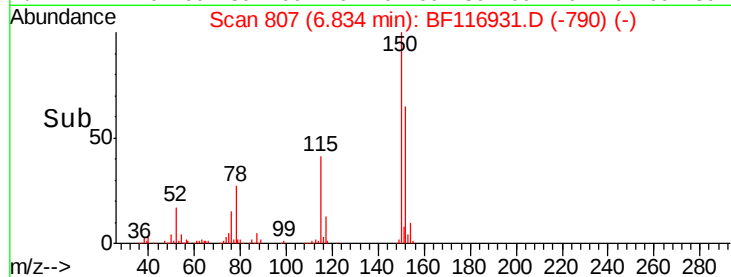
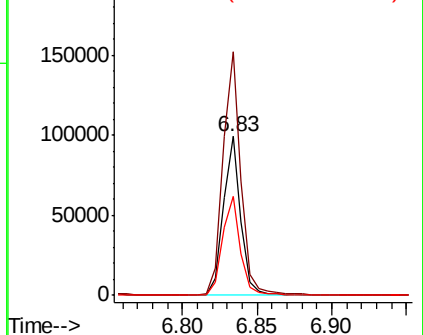


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

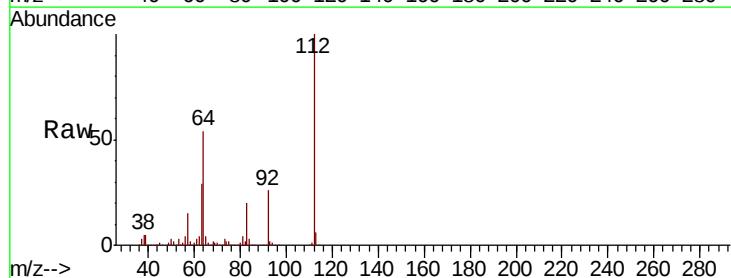
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.827 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF116931.D
Acq: 10 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.1	70.7
63	29.1	24.9	37.3

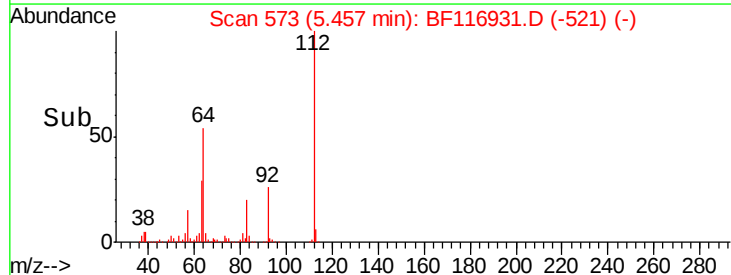
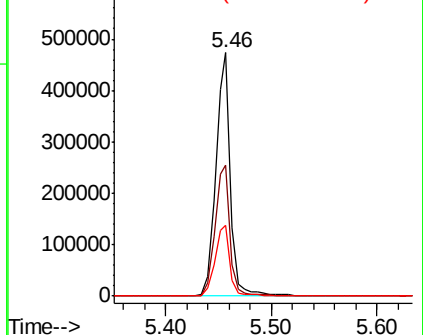


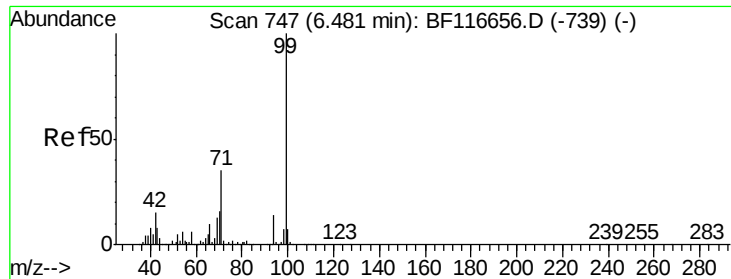
Abundance

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: 94.286 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

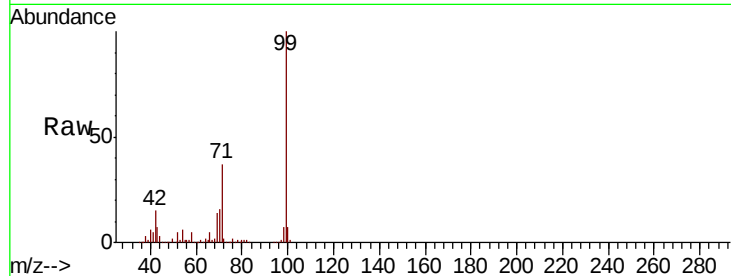
Tot Ion: 99 Resp: 627632

Ion Ratio Lower Upper

99 100

42 15.4 13.7 20.5

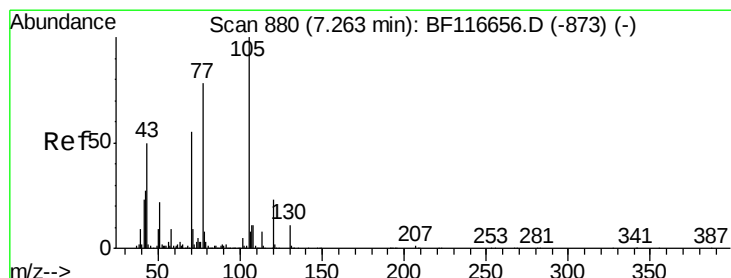
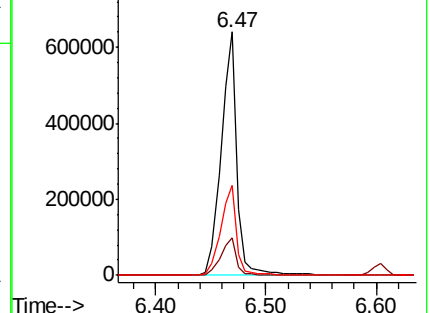
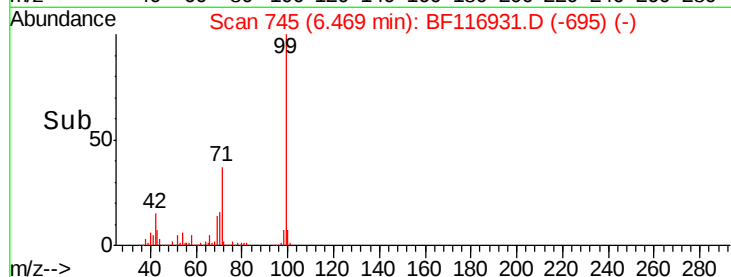
71 36.9 30.8 46.2



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: 11.738 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Tgt Ion: 70 Resp: 51448

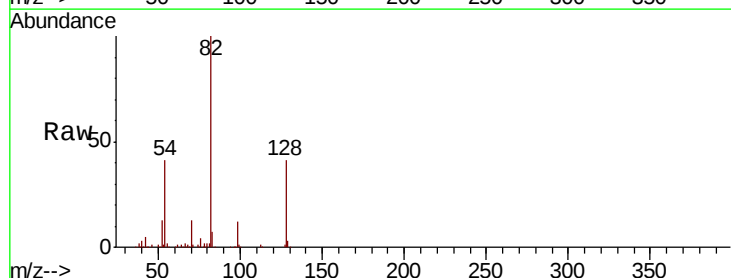
Ion Ratio Lower Upper

70 100

42 37.1 43.5 65.3#

101 0.0 7.8 11.6#

130 2.4 16.6 24.8#

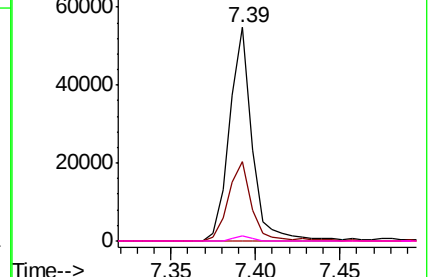
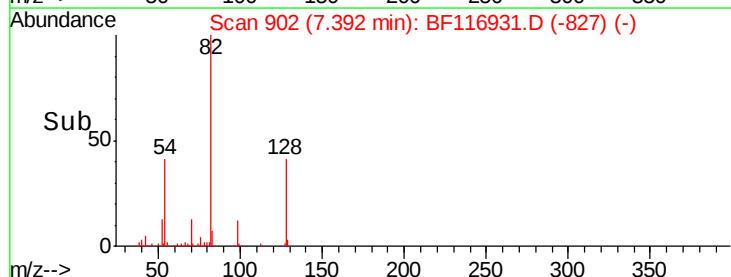


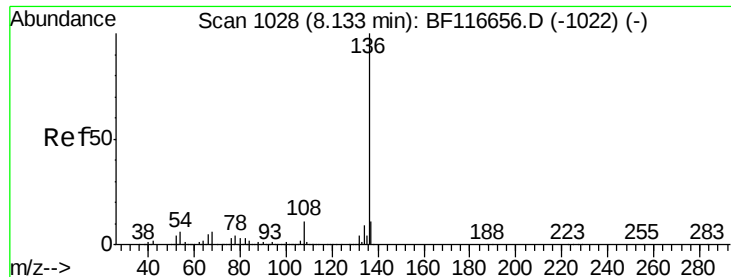
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116931.D

Acq: 10 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 327842

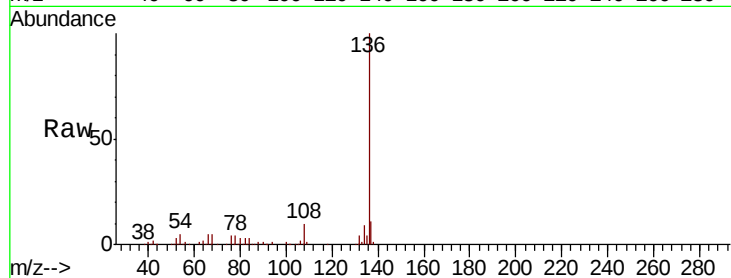
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 5.2 4.8 7.2

68 4.7 4.0 6.0

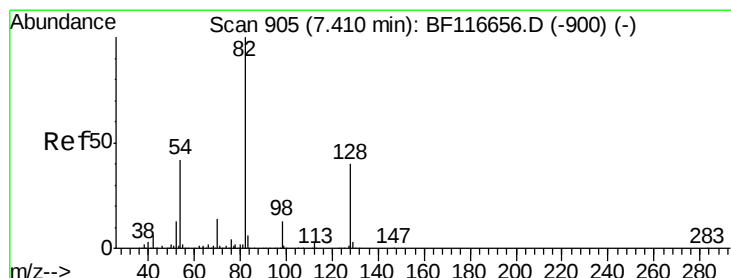
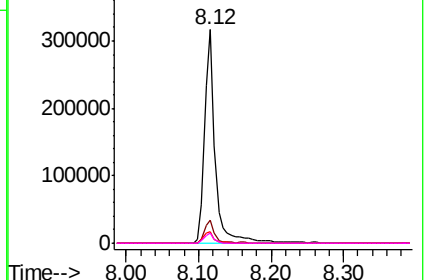
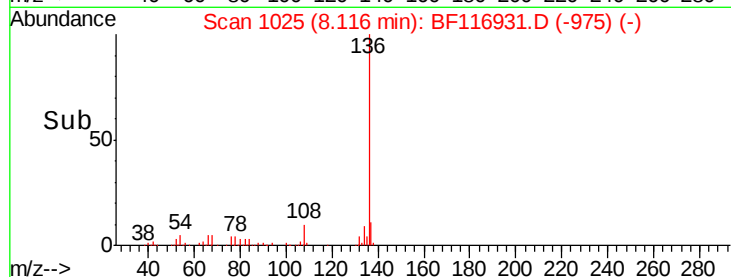


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.441 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

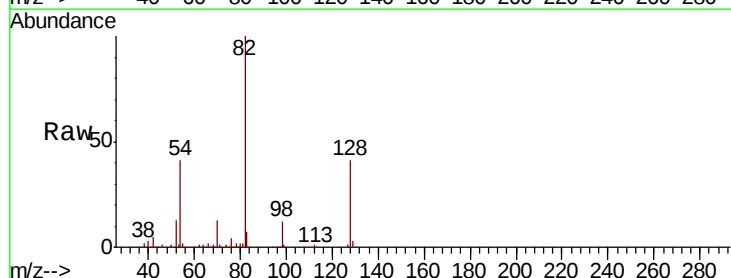
Tgt Ion: 82 Resp: 398787

Ion Ratio Lower Upper

82 100

128 41.3 32.8 49.2

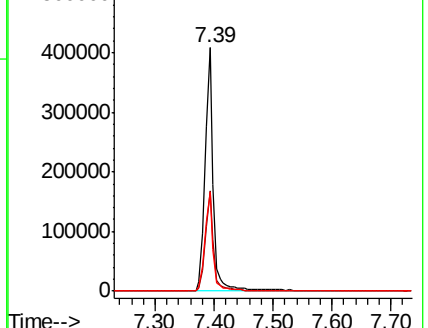
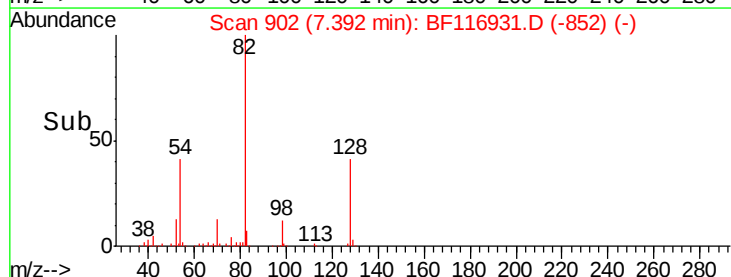
54 40.9 36.9 55.3

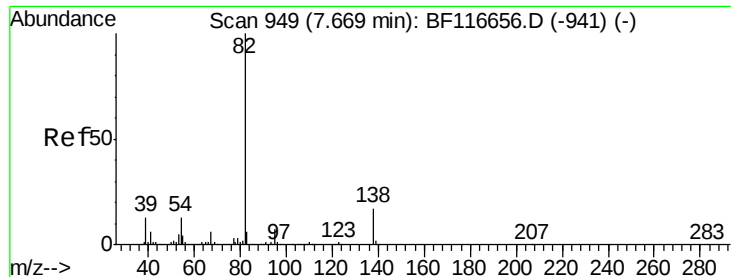


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.269 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Instrument :

BNA_F

ClientSampled :

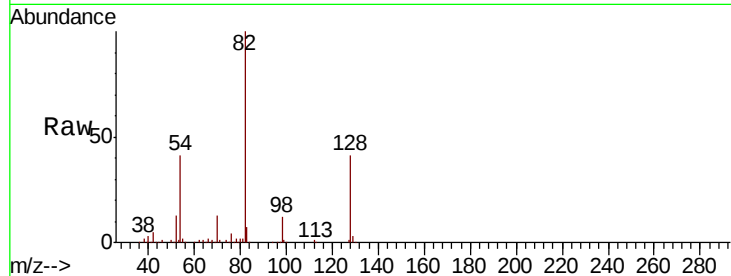
Tot Ion: 82 Resp: 398785

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

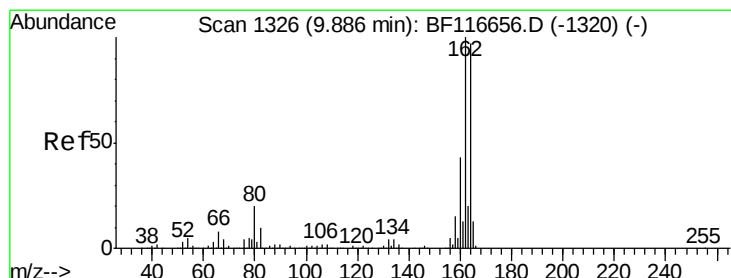
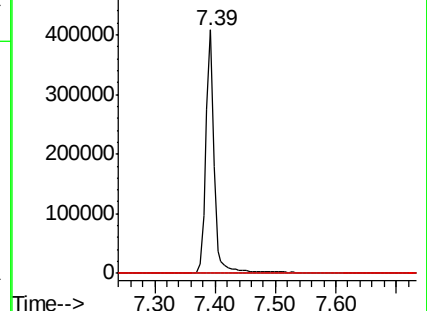
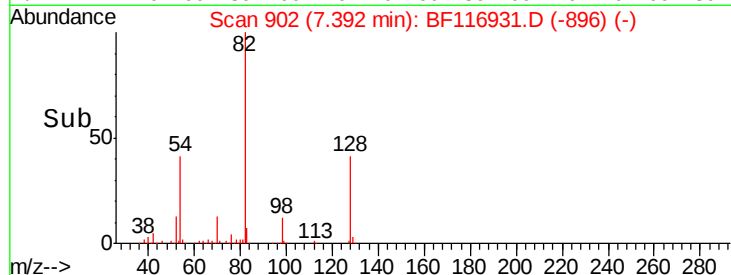
138 0.0 13.5 20.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

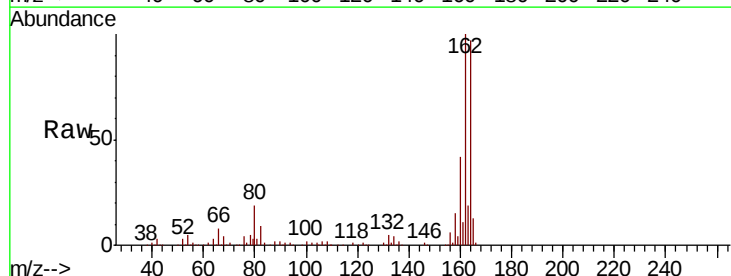
Tgt Ion: 164 Resp: 169727

Ion Ratio Lower Upper

164 100

162 103.0 81.4 122.0

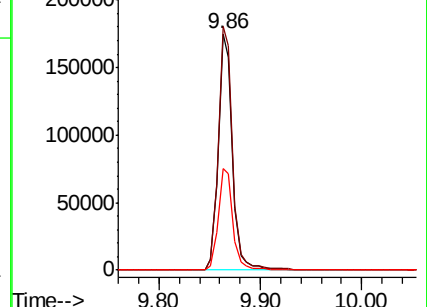
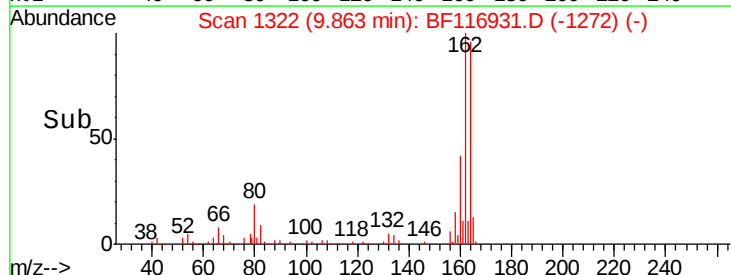
160 43.1 35.4 53.2

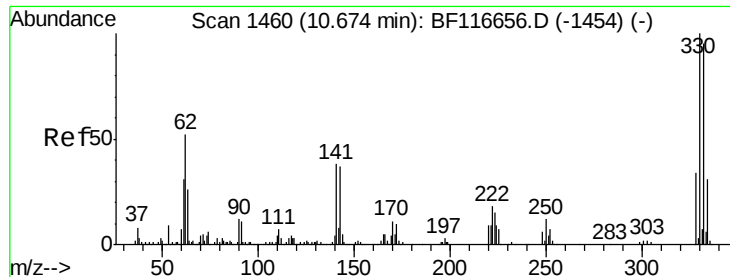


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 102.605 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

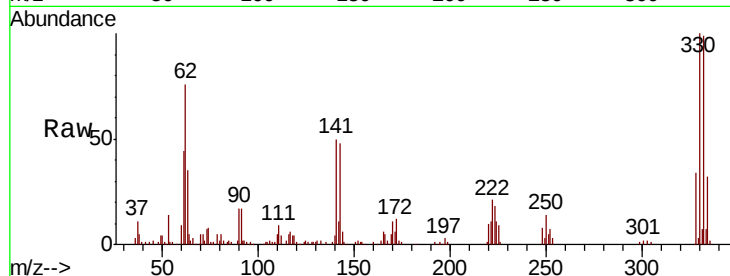
Tot Ion:330 Resp: 116422

Ion Ratio Lower Upper

330 100

332 98.8 76.9 115.3

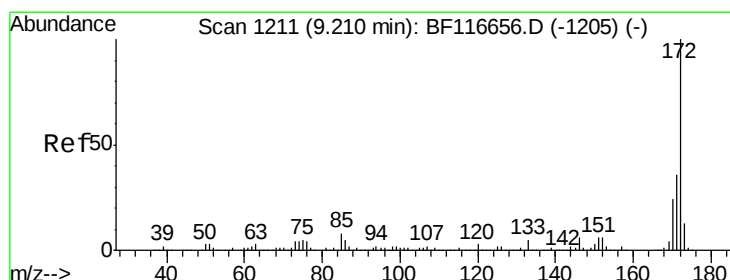
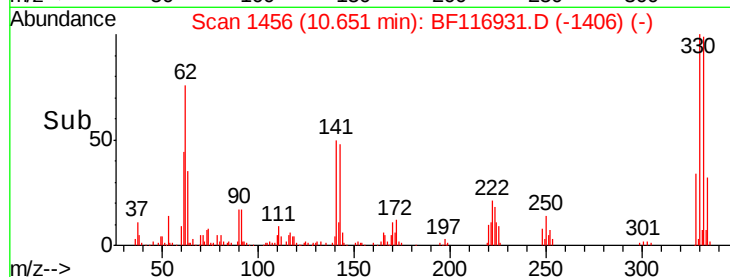
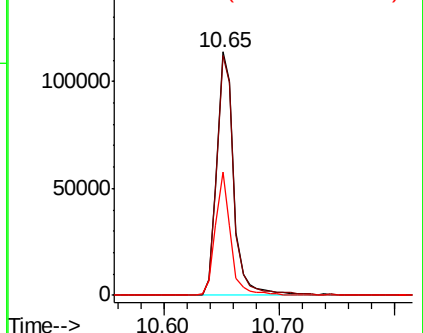
141 45.0 31.4 47.2



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: 70.650 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

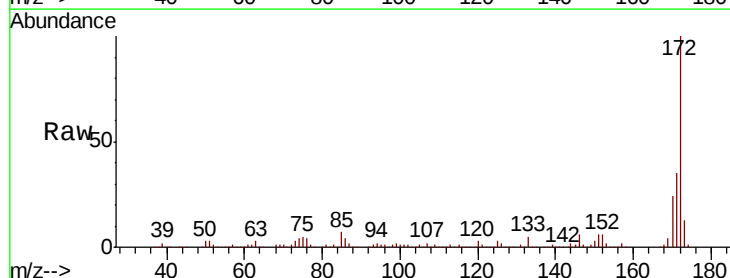
Tgt Ion:172 Resp: 710843

Ion Ratio Lower Upper

172 100

171 35.5 27.8 41.6

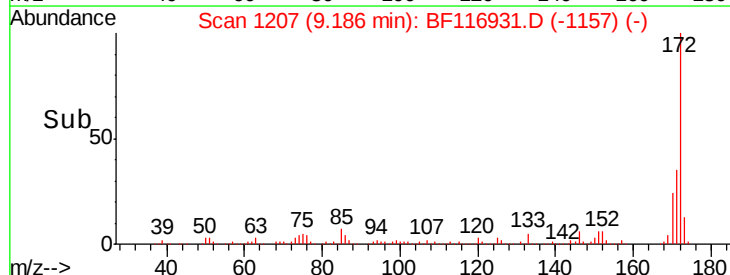
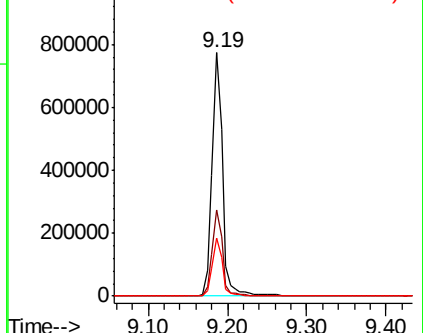
170 23.6 18.9 28.3

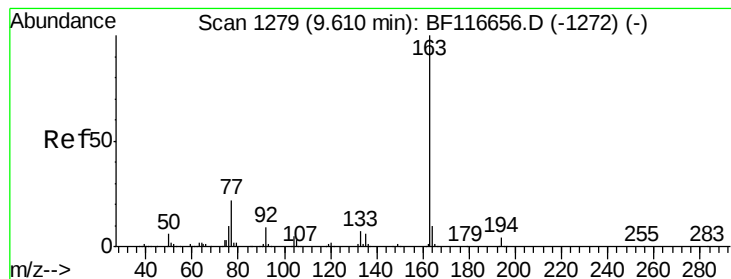


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.546 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

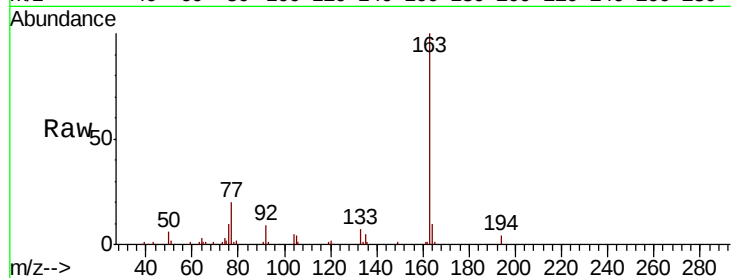
Tot Ion:163 Resp: 64987

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

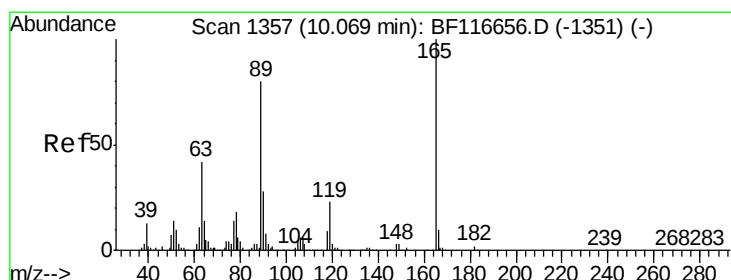
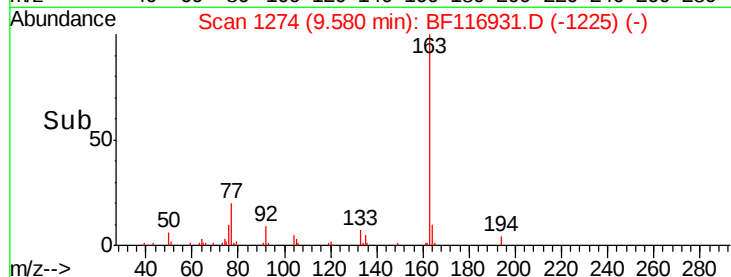
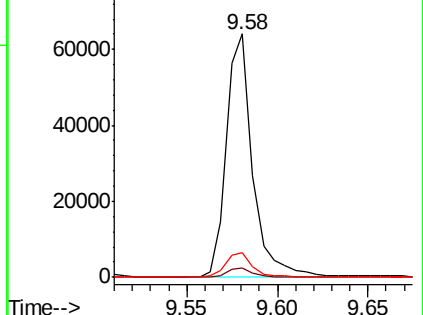
164 10.0 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 8.073 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.19 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Tgt Ion:165 Resp: 22068

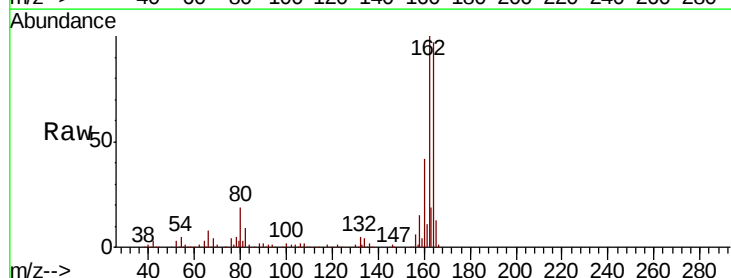
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 62.6 94.0#

182 0.0 2.1 3.1#

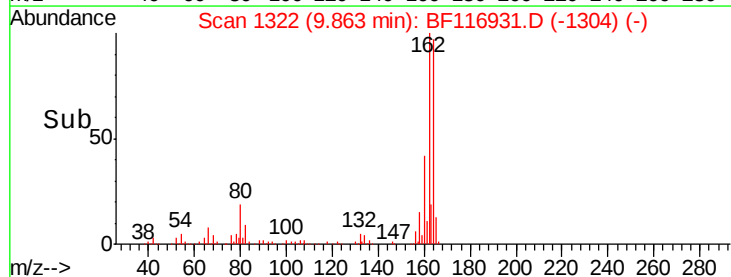
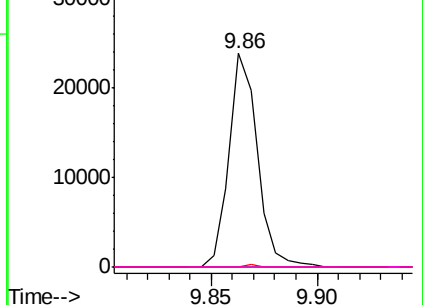


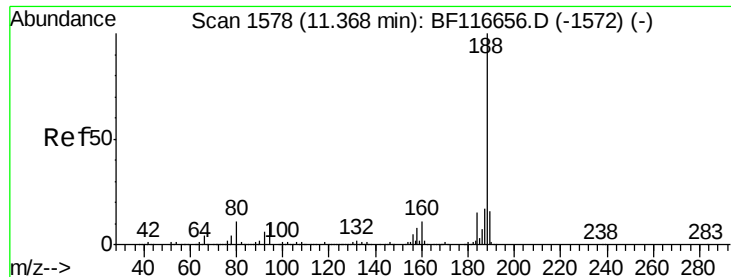
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

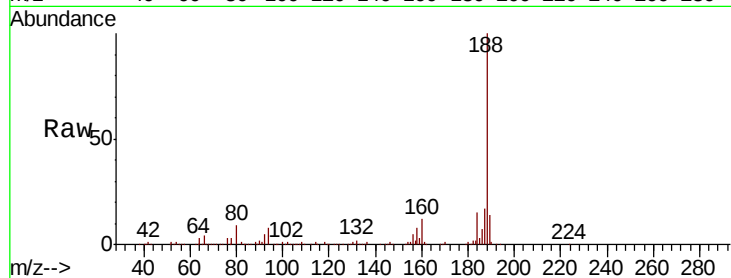
Tot Ion:188 Resp: 279171

Ion Ratio Lower Upper

188 100

94 8.4 7.3 10.9

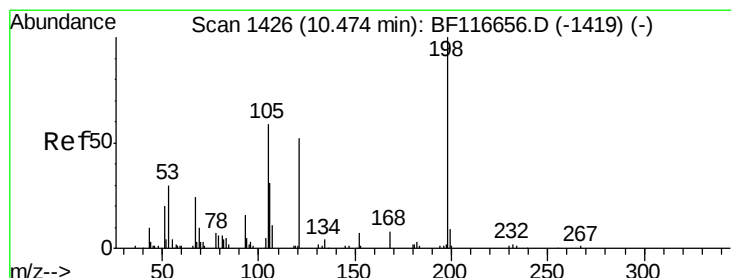
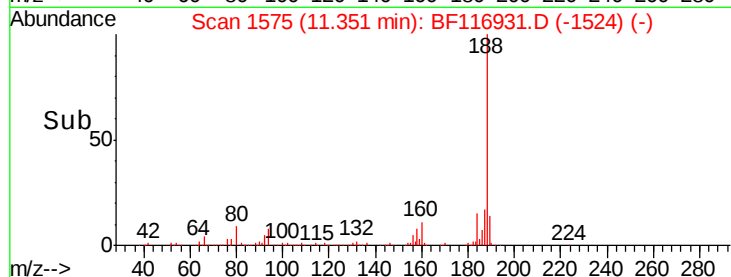
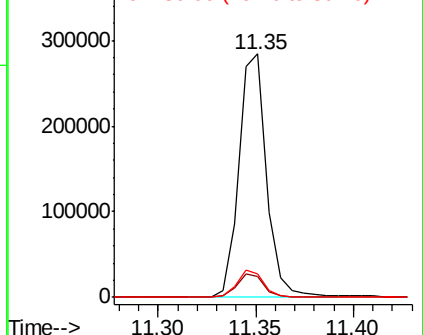
80 9.4 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.544 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.18 min

Lab File: BF116931.D

Acq: 10 Sep 2019 19:48

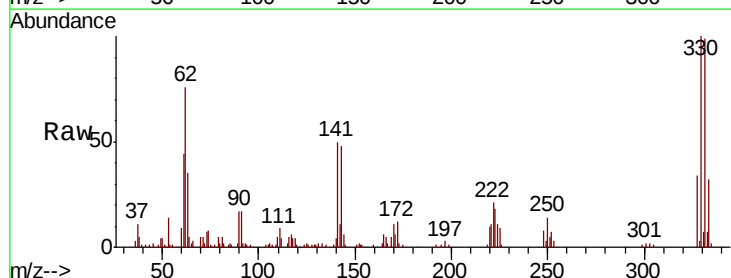
Tgt Ion:198 Resp: 113

Ion Ratio Lower Upper

198 100

51 181.3 18.4 58.4#

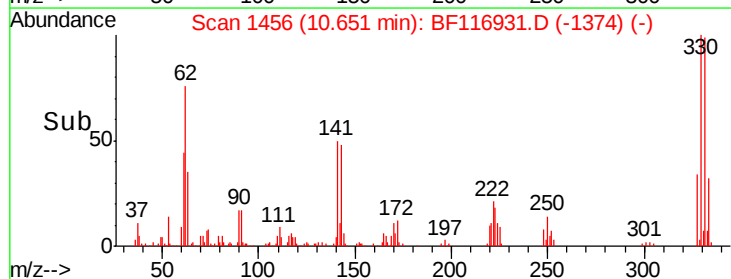
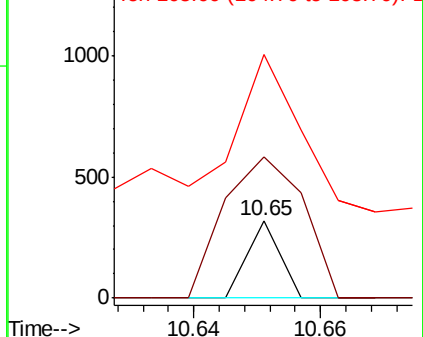
105 313.8 22.9 62.9#

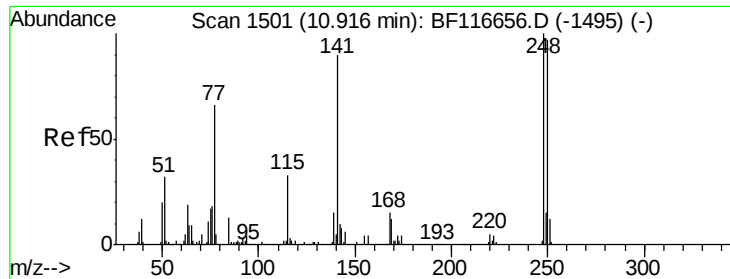


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

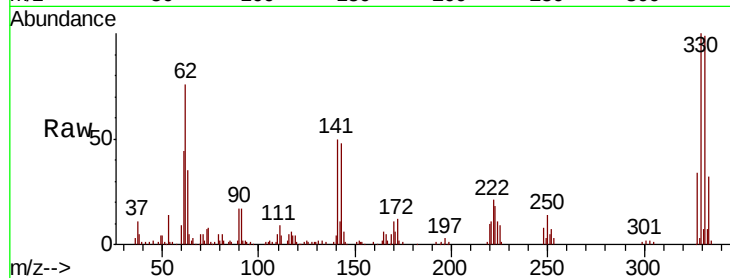




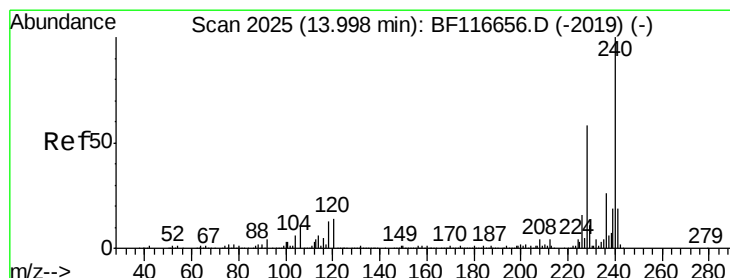
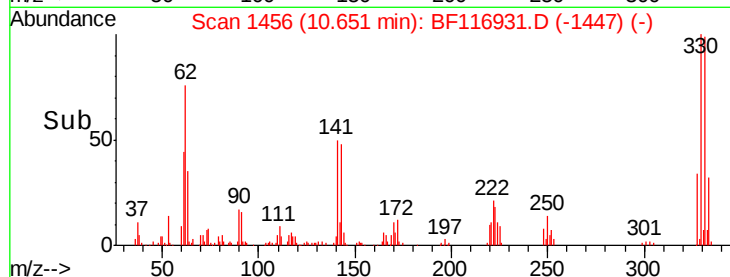
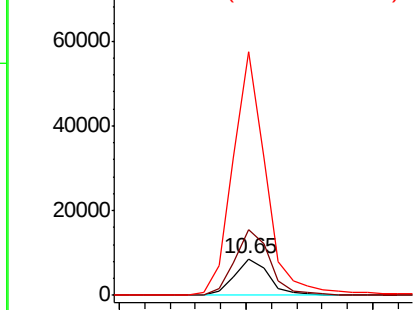
#67
4-Bromophenyl-phenylether
Concen: 2.825 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.25 min
Lab File: BF116931.D
Acq: 10 Sep 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8011
Ion Ratio Lower Upper
248 100
250 178.6 77.8 116.8#
141 664.0 75.9 113.9#

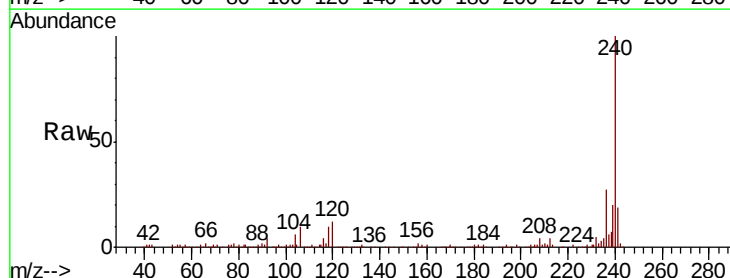


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

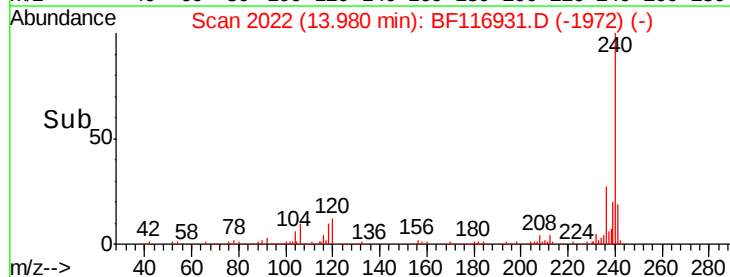
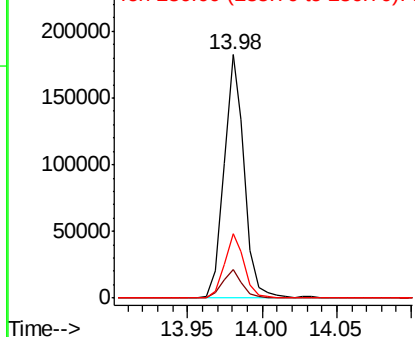


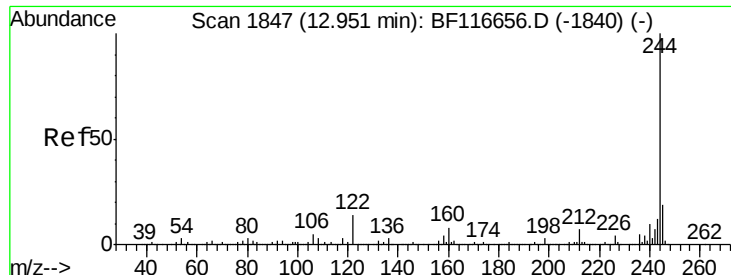
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116931.D
Acq: 10 Sep 2019 19:48

Tgt Ion:240 Resp: 174345
Ion Ratio Lower Upper
240 100
120 11.7 9.1 13.7
236 26.7 21.1 31.7



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

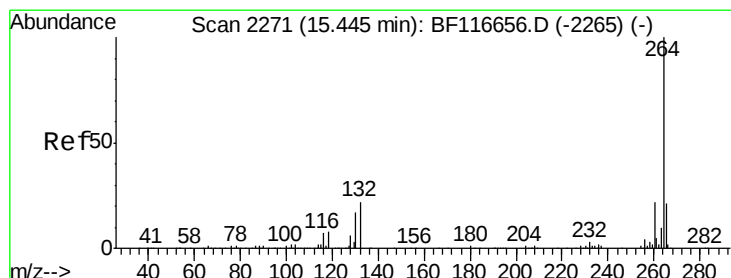
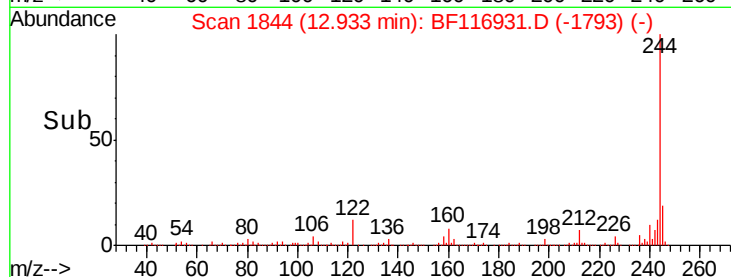
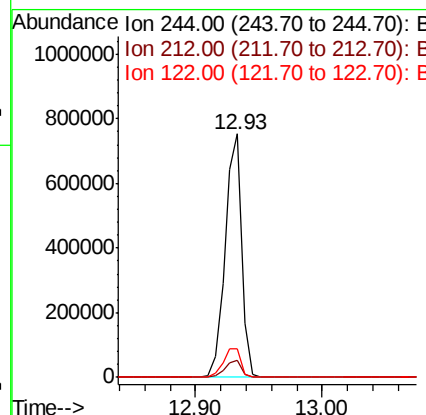
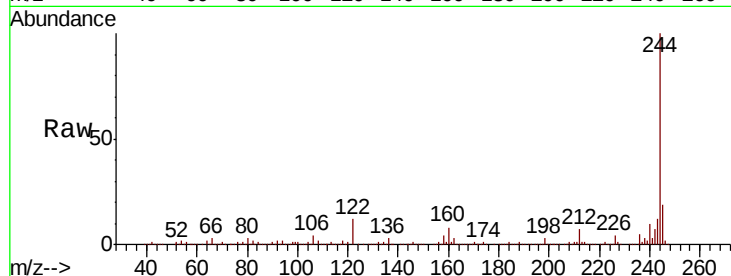




#79
 Terphenyl-d14
 Concen: 72.817 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF116931.D
 Acq: 10 Sep 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	11.7	10.2	15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF116931.D
 Acq: 10 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	21.3	16.5	24.7

