

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
 Data File : BF112639.D
 Acq On : 20 Feb 2019 13:57
 Operator : JU/SJ
 Sample : K1528-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 16:49:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

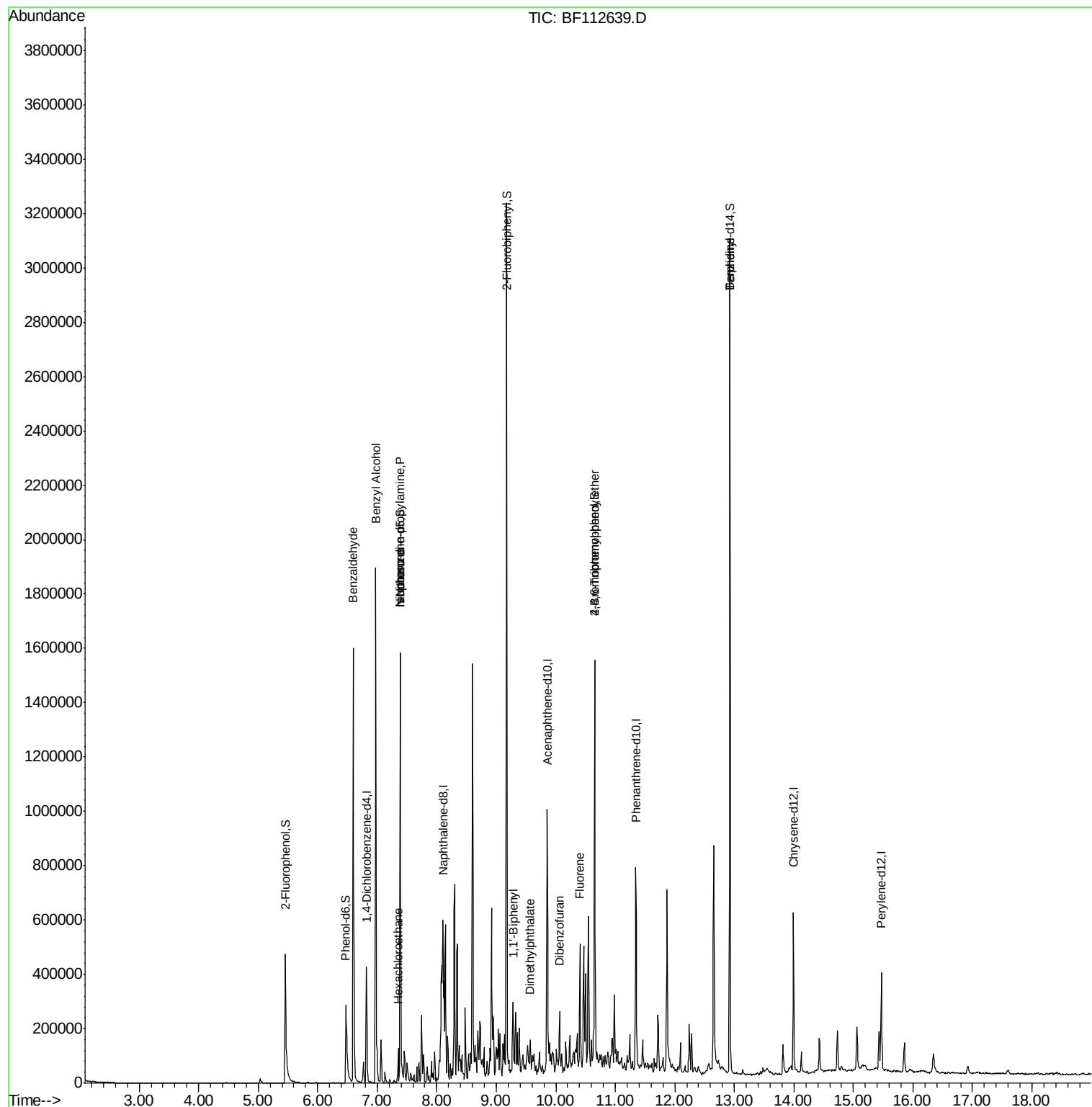
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	72535	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	280770	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	142406	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	267295	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	200138	20.00	ng	-0.02
87) Perylene-d12	15.47	264	180402	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	206424	60.45	ng	-0.02
7) Phenol-d6	6.47	99	156907	33.07	ng	-0.02
23) Nitrobenzene-d5	7.39	82	476871	97.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	194550	117.37	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	965271	95.87	ng	-0.03
79) Terphenyl-d14	12.93	244	926527	87.19	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.60	77	10683	4.307	ng	# 74
15) Benzyl Alcohol	6.97	79	8191	2.048	ng	# 46
18) Hexachloroethane	7.35	117	28536	14.759	ng	# 13
19) n-Nitroso-di-n-propylamine	7.39	70	66034	20.181	ng	# 77
25) Isophorone	7.39	82	476869	62.382	ng	# 64
46) 1,1'-Biphenyl	9.27	154	67688	5.437	ng	96
50) Dimethylphthalate	9.57	163	32525	2.940	ng	100
55) Dibenzofuran	10.06	168	68489	5.302	ng	98
58) Fluorene	10.40	166	119536	12.366	ng	95
67) 4-Bromophenyl-phenylether	10.66	248	12247	3.896	ng	# 1
77) Benzydine	12.93	184	14106	2.561	ng	# 95

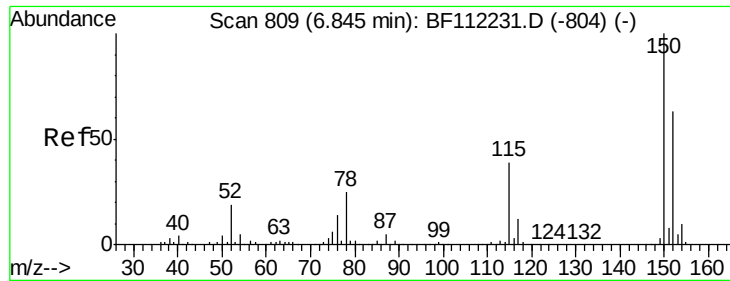
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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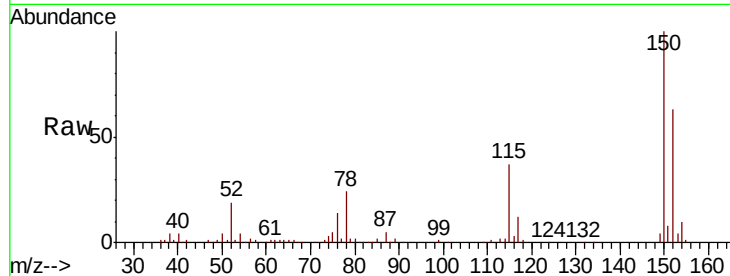


#1

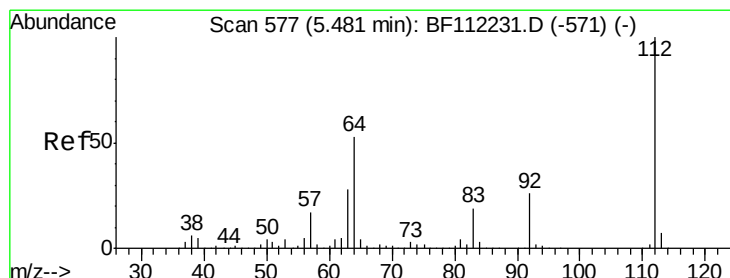
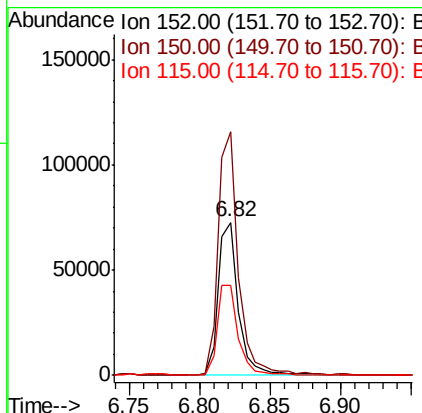
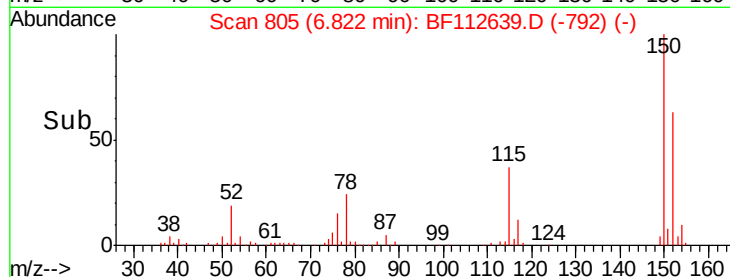
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72535
Ion Ratio Lower Upper
152 100
150 159.1 127.4 191.0
115 59.0 45.5 68.3



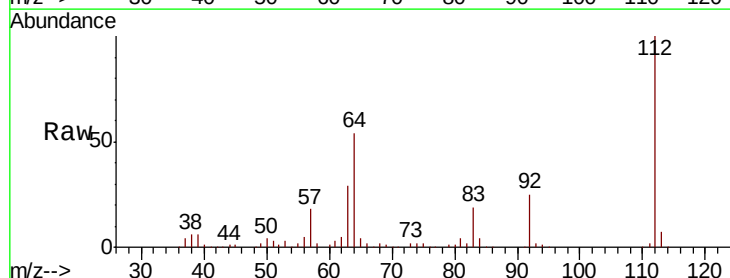
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



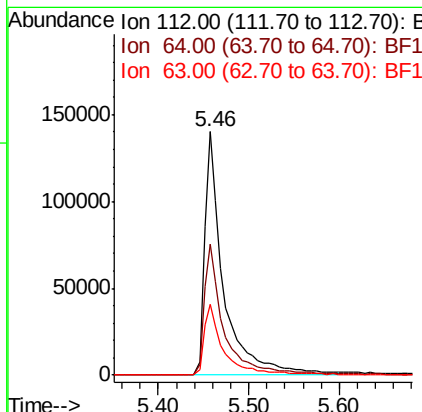
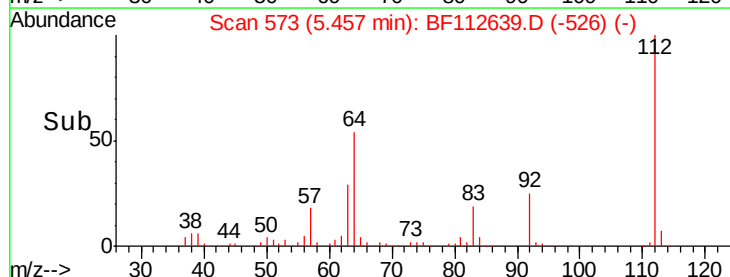
#5

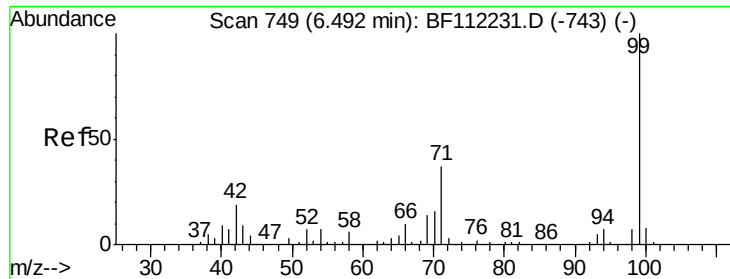
2-Fluorophenol
Concen: 60.448 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion:112 Resp: 206424
Ion Ratio Lower Upper
112 100
64 54.0 45.7 68.5
63 29.3 23.6 35.4



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: 33.066 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112639.D

Acq: 20 Feb 2019 13:57

Instrument :

BNA_F

ClientSampled :

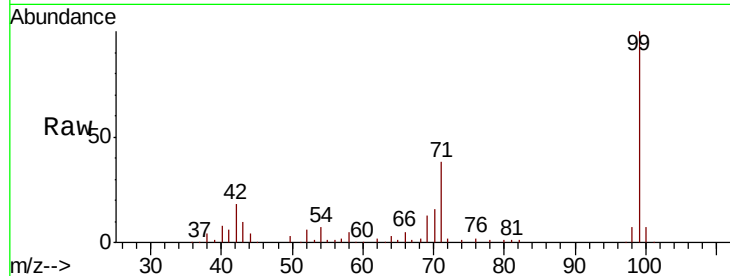
Tot Ion: 99 Resp: 156907

Ion Ratio Lower Upper

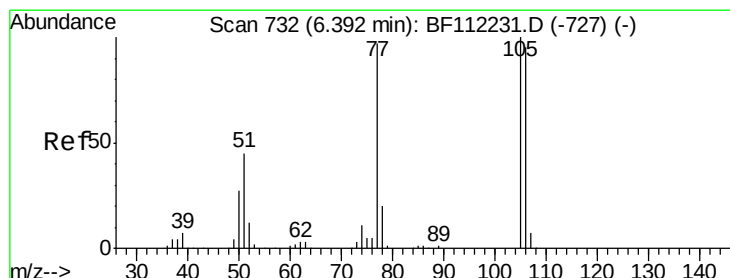
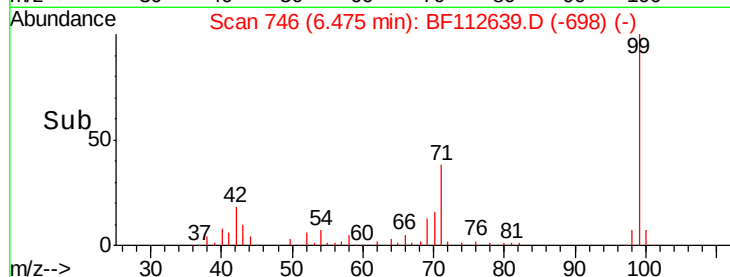
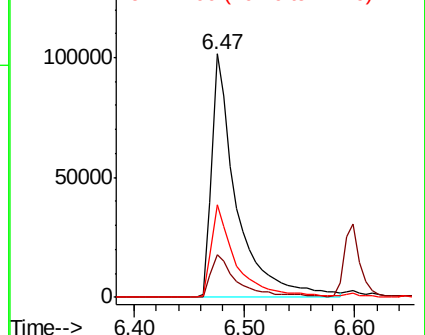
99 100

42 17.6 15.1 22.7

71 37.8 26.9 40.3



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



#9

Benzaldehyde

Concen: 4.307 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF112639.D

Acq: 20 Feb 2019 13:57

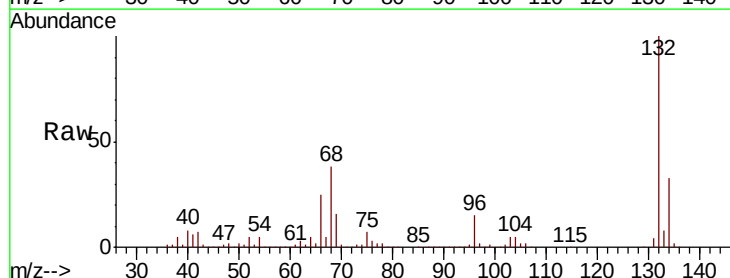
Tgt Ion: 77 Resp: 10683

Ion Ratio Lower Upper

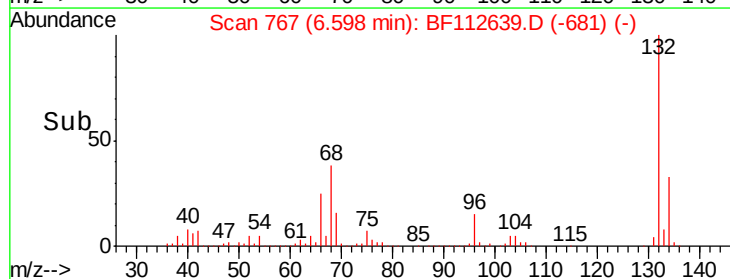
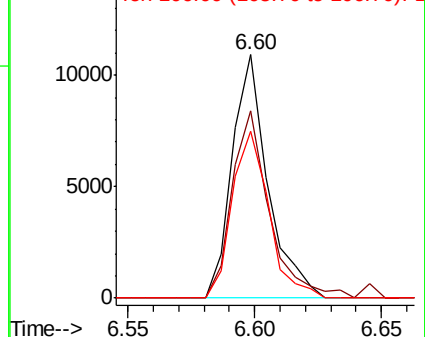
77 100

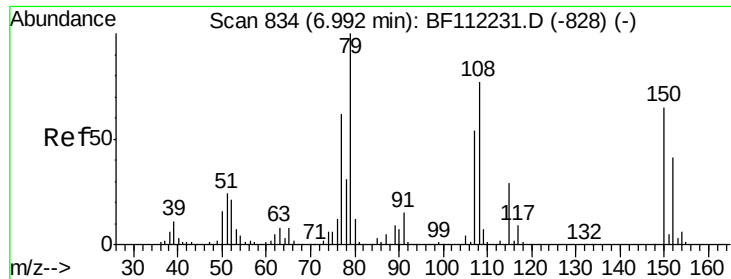
105 77.1 80.8 120.8#

106 68.5 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

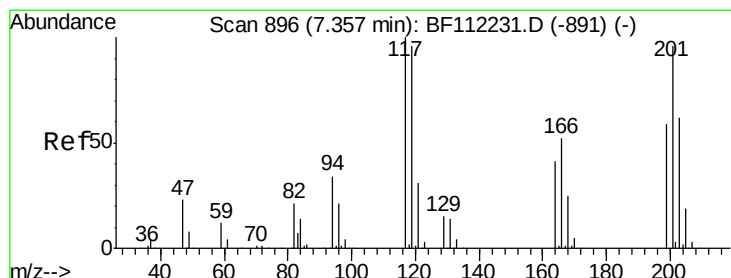
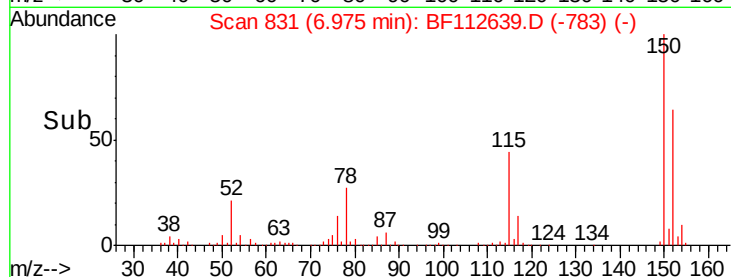
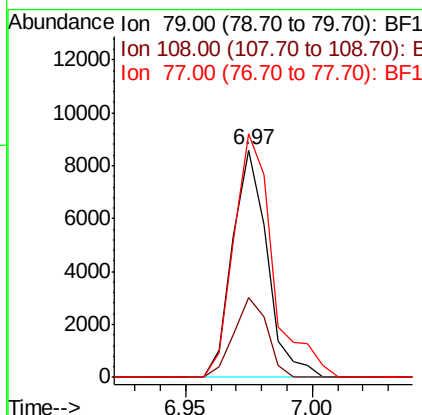
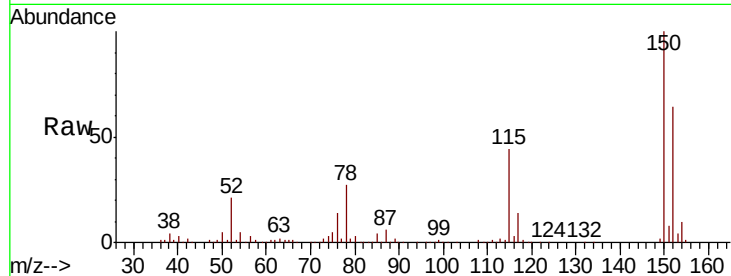




#15
Benzyl Alcohol
Concen: 2.048 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

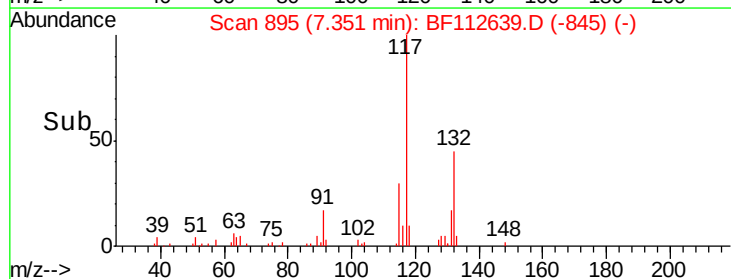
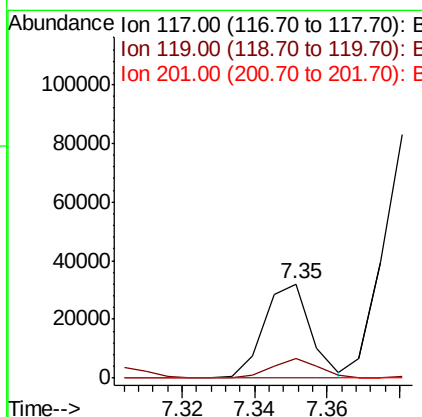
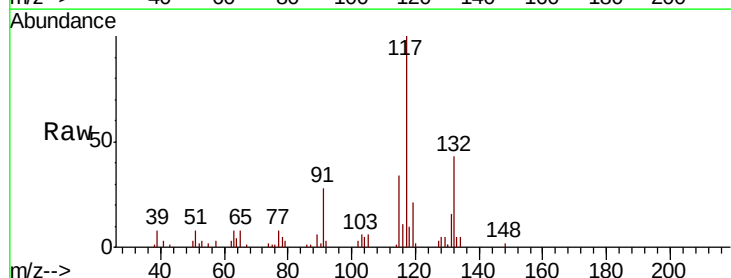
Instrument :
BNA_F
ClientSampleId :

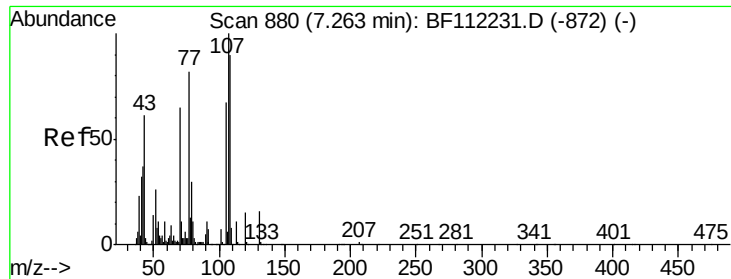
Tot Ion: 79 Resp: 8191
Ion Ratio Lower Upper
79 100
108 35.0 64.2 96.2#
77 107.3 50.3 75.5#



#18
Hexachloroethane
Concen: 14.759 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion: 117 Resp: 28536
Ion Ratio Lower Upper
117 100
119 20.7 77.0 115.4#
201 0.0 74.1 111.1#

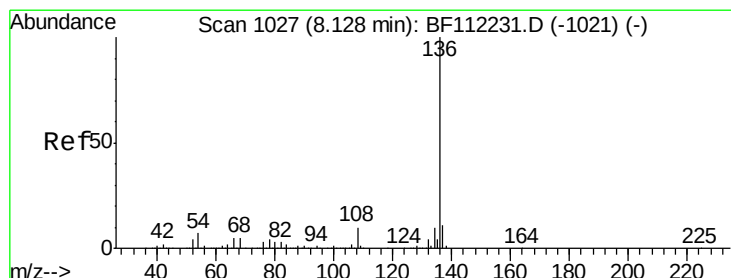
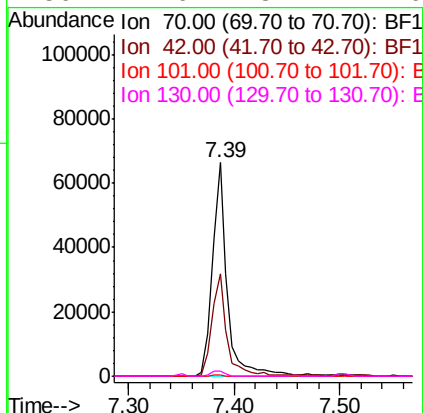
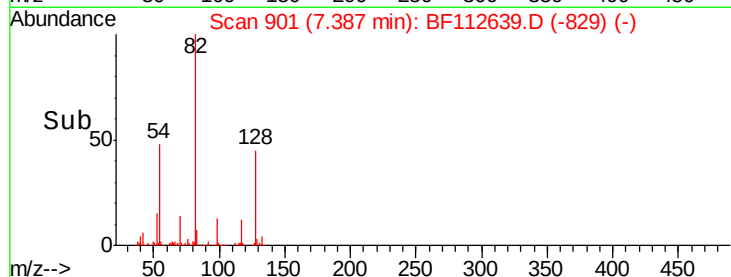
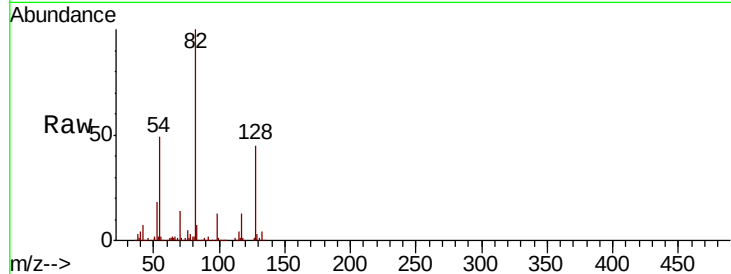




#19
n-Nitroso-di-n-propylamine
Concen: 20.181 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

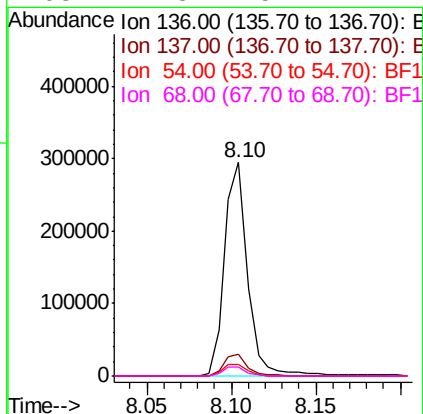
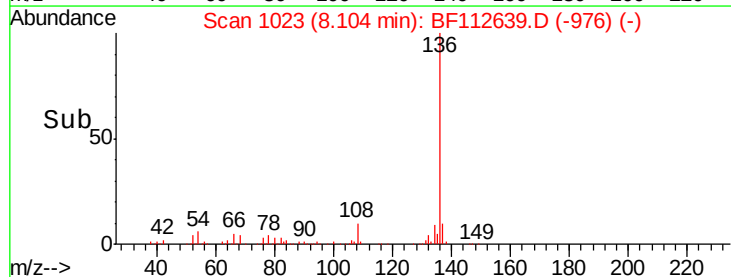
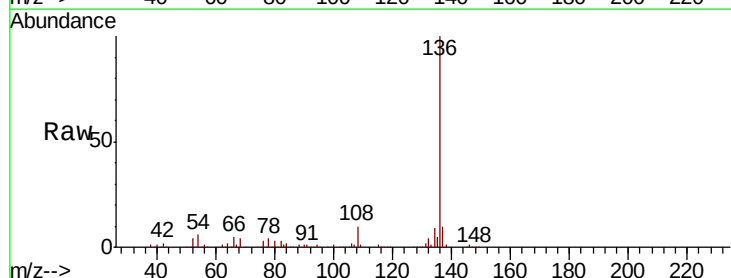
Instrument :
BNA_F
ClientSampleId :

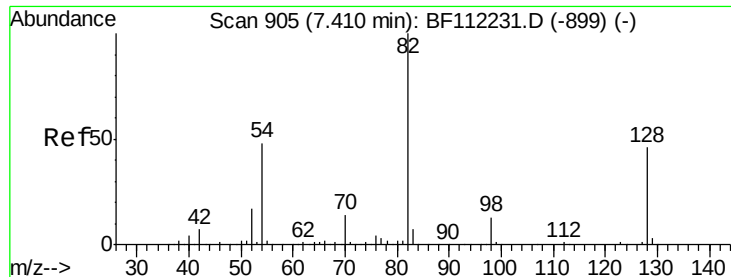
Tot Ion: 70 Resp: 66034
Ion Ratio Lower Upper
70 100
42 48.0 47.6 71.4
101 0.5 7.9 11.9#
130 2.6 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion: 136 Resp: 280770
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 5.5 5.9 8.9#
68 4.3 5.1 7.7#

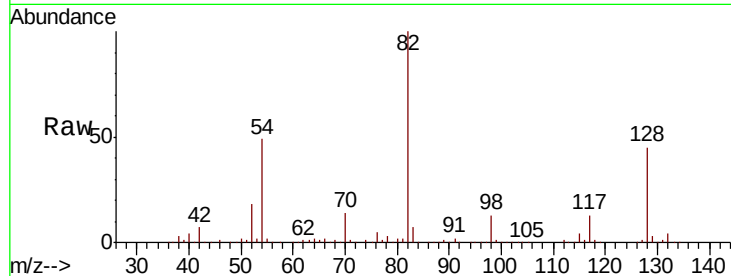




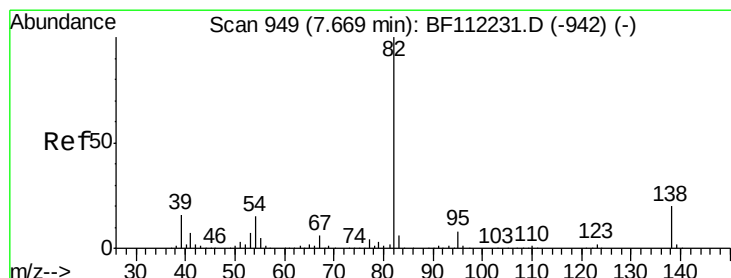
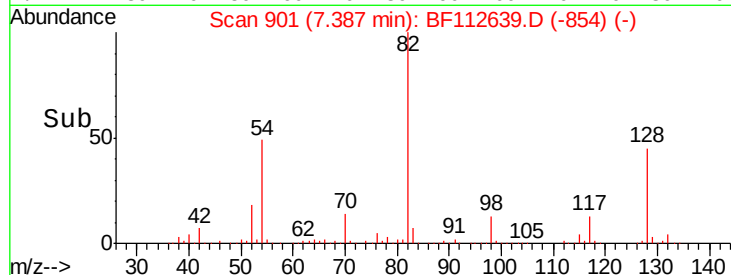
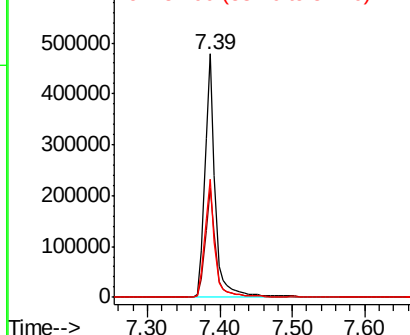
#23
Nitrobenzene-d5
Concen: 97.864 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 476871
Ion Ratio Lower Upper
82 100
128 45.0 37.8 56.8
54 48.7 39.7 59.5

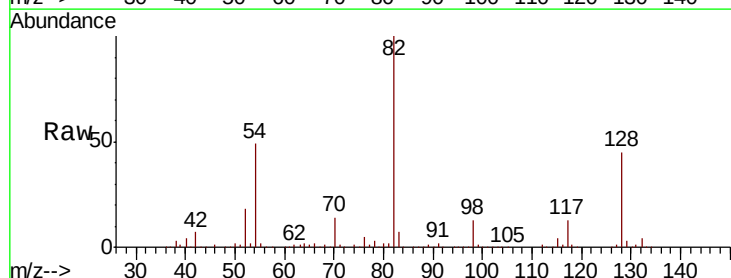


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

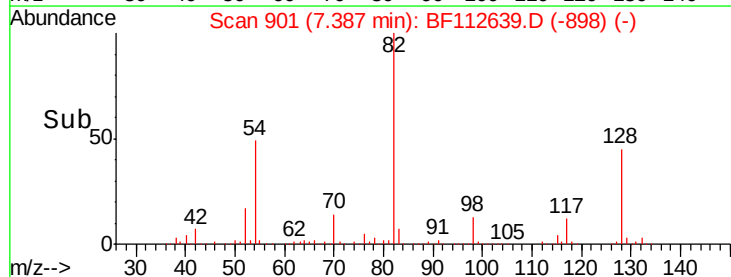
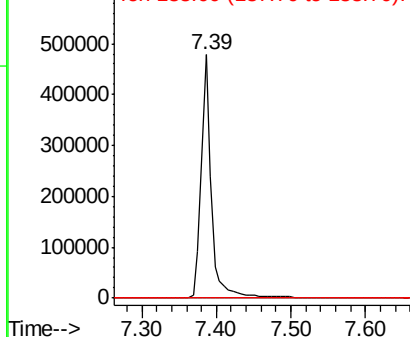


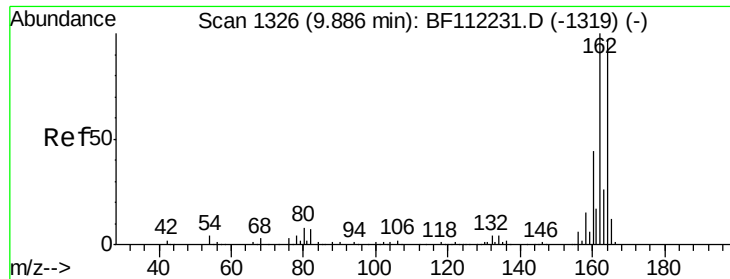
#25
Isophorone
Concen: 62.382 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion: 82 Resp: 476869
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#



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

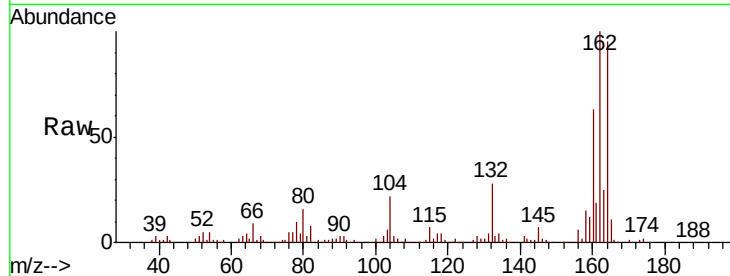




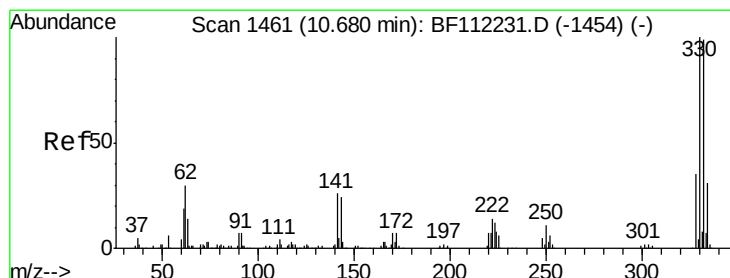
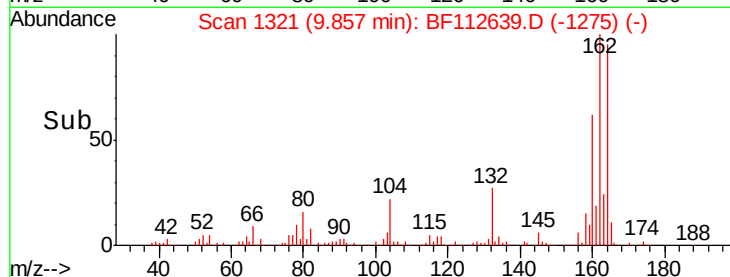
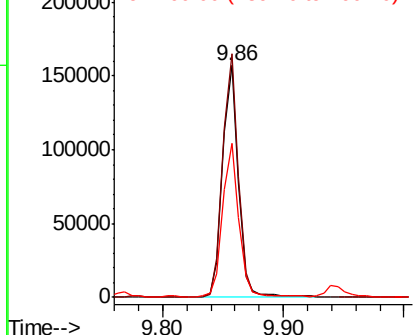
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 142406
Ion Ratio Lower Upper
164 100
162 105.1 82.2 123.4
160 66.3 36.2 54.4#

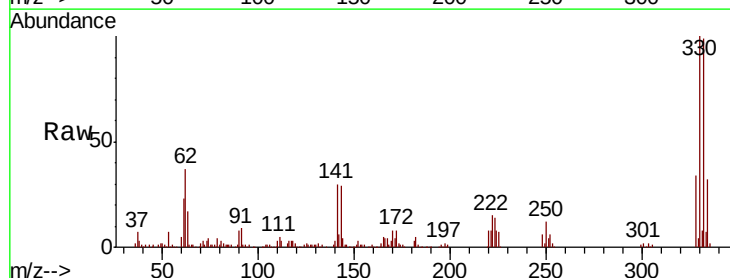


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

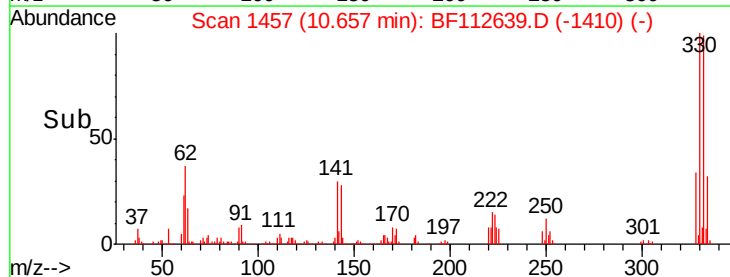
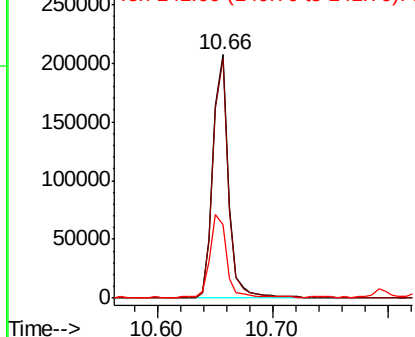


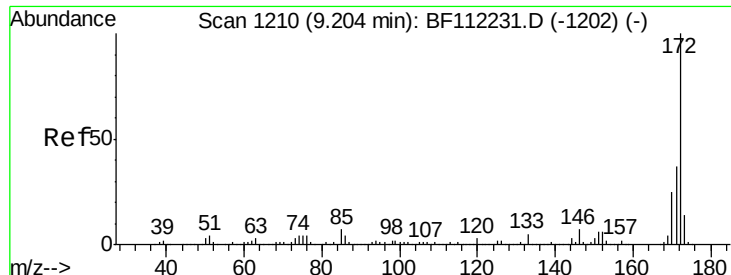
#42
2,4,6-Tribromophenol
Concen: 117.371 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion:330 Resp: 194550
Ion Ratio Lower Upper
330 100
332 97.8 76.6 114.8
141 36.3 24.3 36.5



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

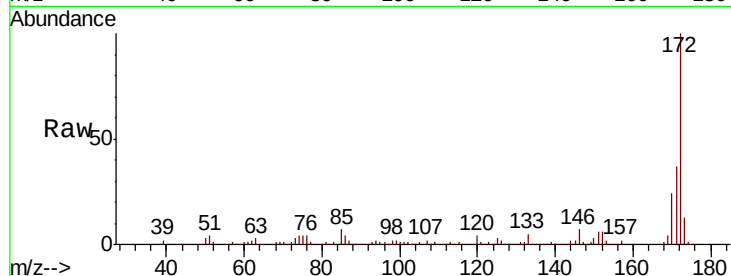




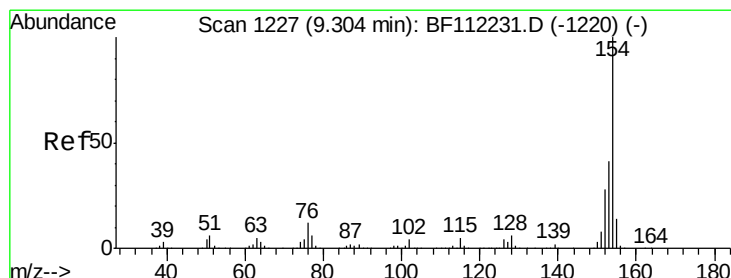
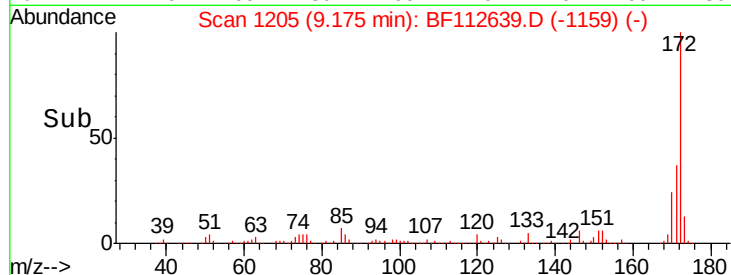
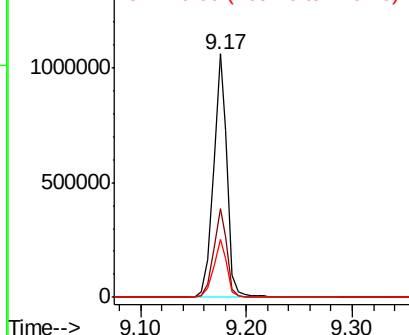
#45
2-Fluorobiphenyl
Concen: 95.868 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 965271
Ion Ratio Lower Upper
172 100
171 36.6 30.5 45.7
170 23.9 20.2 30.4

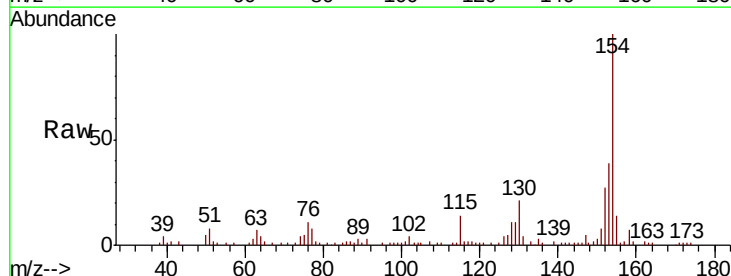


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

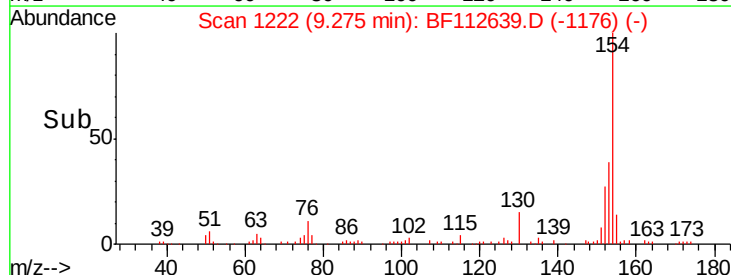
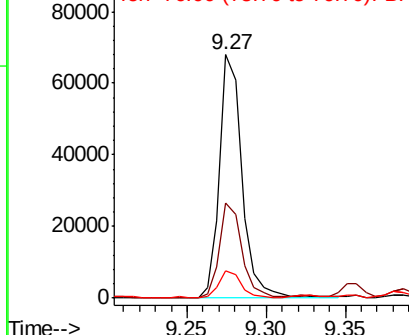


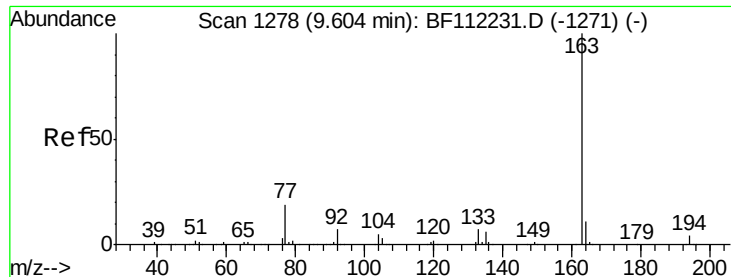
#46
1,1'-Biphenyl
Concen: 5.437 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.03 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion:154 Resp: 67688
Ion Ratio Lower Upper
154 100
153 39.2 21.5 61.5
76 11.4 0.0 33.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

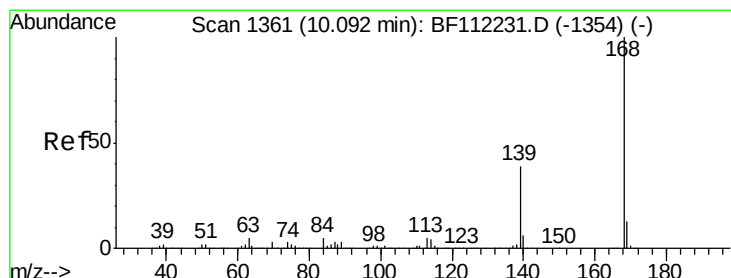
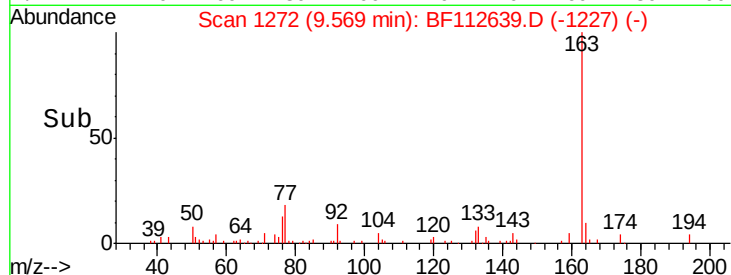
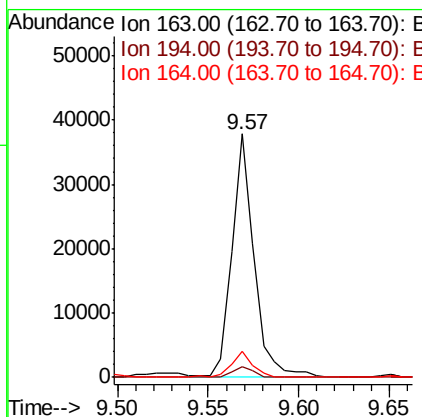
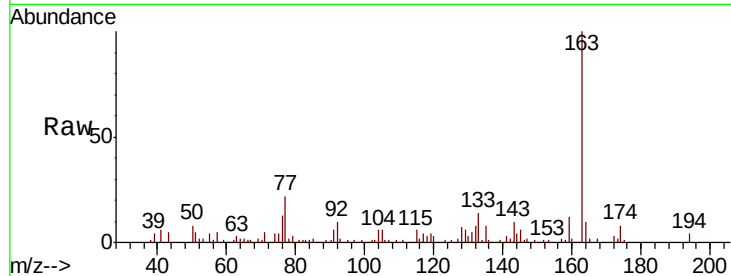




#50
Dimethylphthalate
Concen: 2.940 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

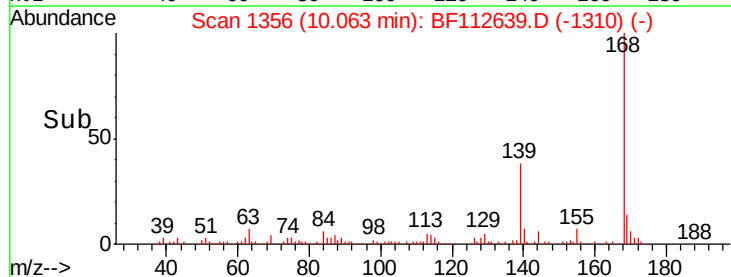
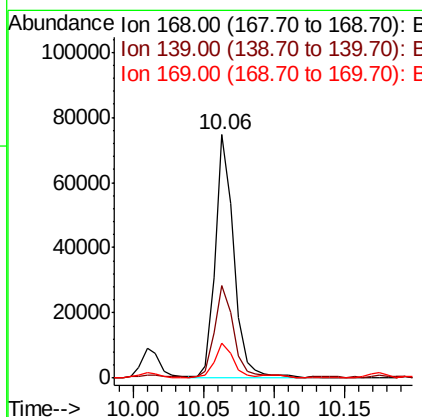
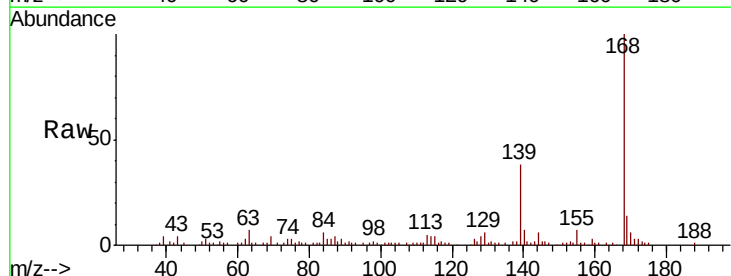
Instrument :
BNA_F
ClientSampled :

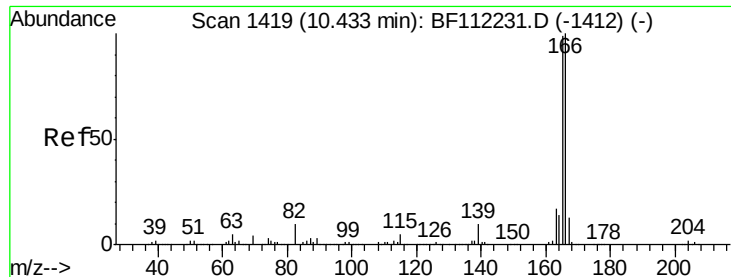
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.5	8.5	12.7



#55
Dibenzofuran
Concen: 5.302 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.03 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.1	29.2	43.8
169	14.2	11.4	17.0

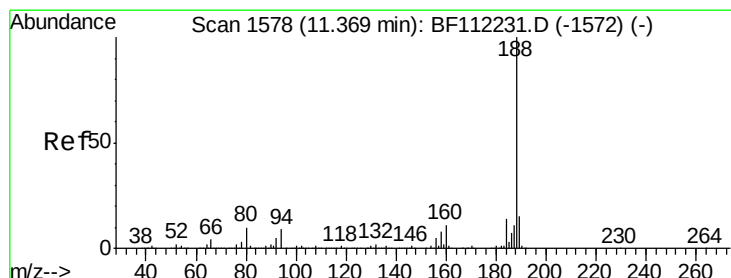
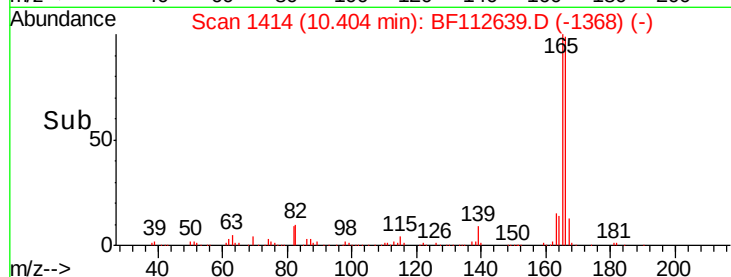
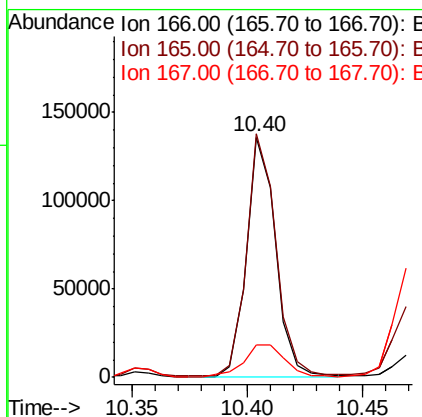
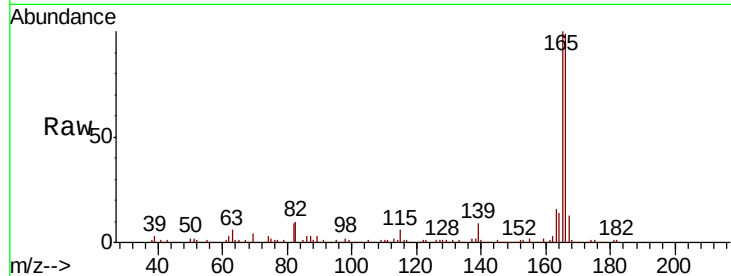




#58
 Fluorene
 Concen: 12.366 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.03 min
 Lab File: BF112639.D
 Acq: 20 Feb 2019 13:57

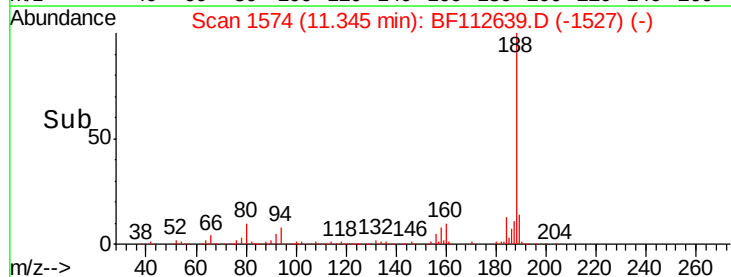
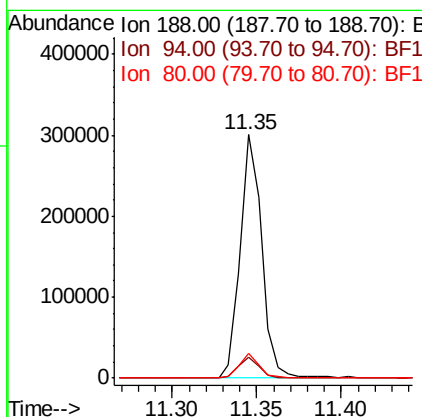
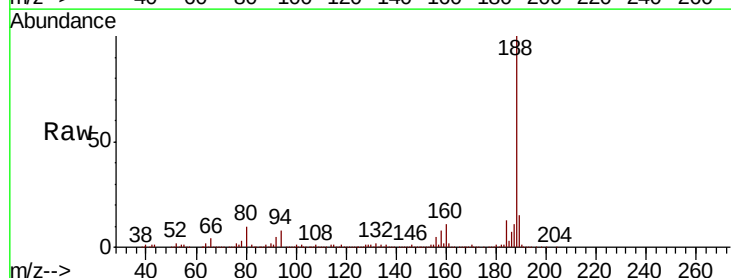
Instrument :
 BNA_F
 ClientSampleId :

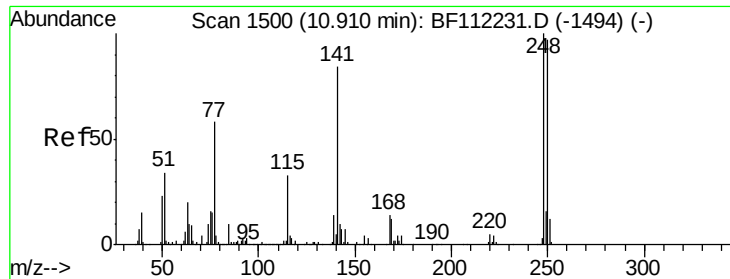
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	77.1	115.7
167	13.5	11.3	16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF112639.D
 Acq: 20 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.2	12.2
80	10.1	8.9	13.3

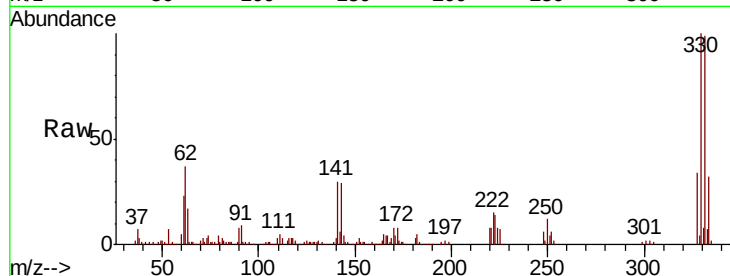




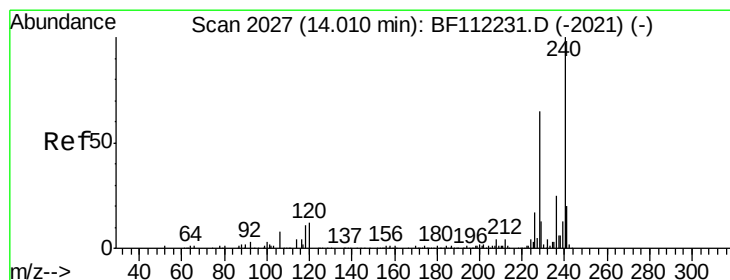
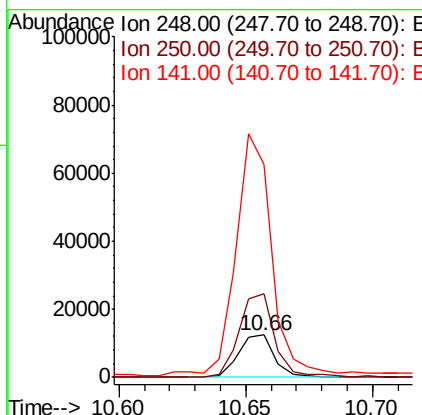
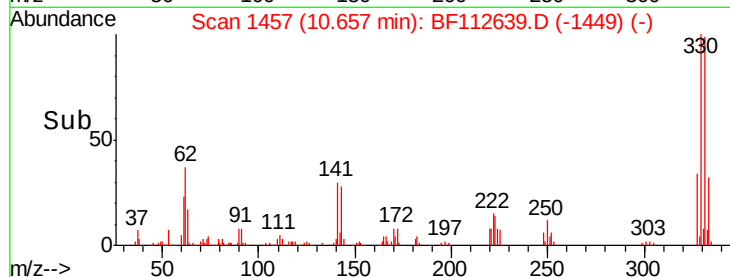
#67
4-Bromophenyl-phenylether
Concen: 3.896 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12247
Ion Ratio Lower Upper
248 100
250 197.6 79.7 119.5#
141 500.6 60.3 90.5#

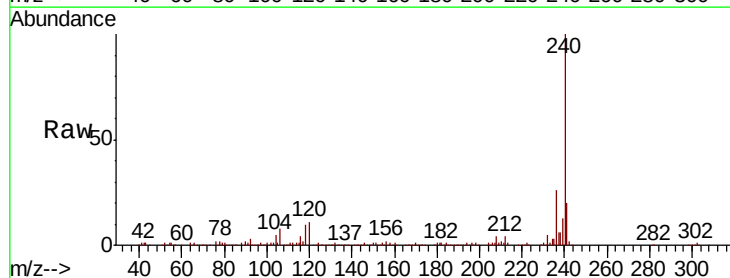


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

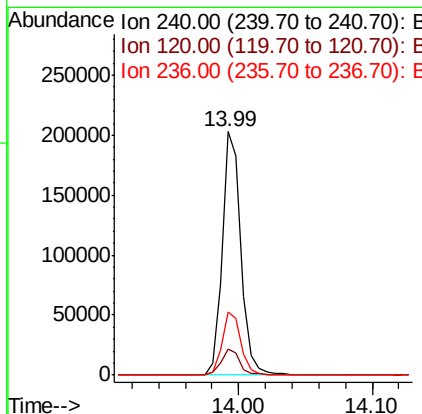
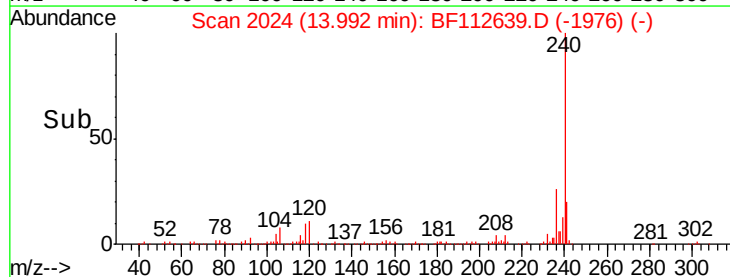


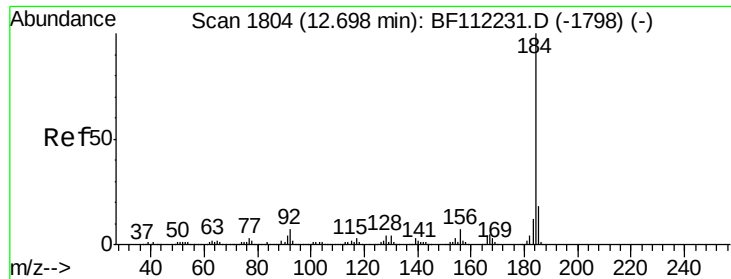
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF112639.D
Acq: 20 Feb 2019 13:57

Tgt Ion:240 Resp: 200138
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 26.1 20.7 31.1



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: 2.561 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.23 min

Lab File: BF112639.D

Acq: 20 Feb 2019 13:57

Instrument :

BNA_F

ClientSampleId :

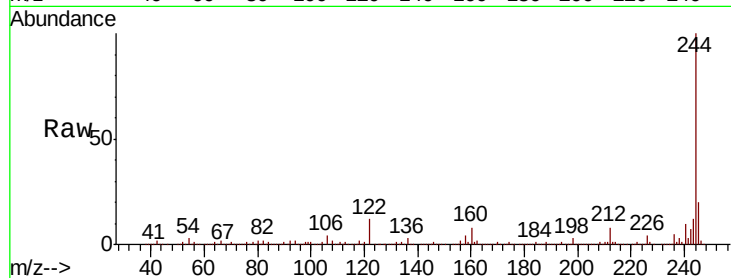
Tot Ion:184 Resp: 14106

Ion Ratio Lower Upper

184 100

185 18.6 13.9 20.9

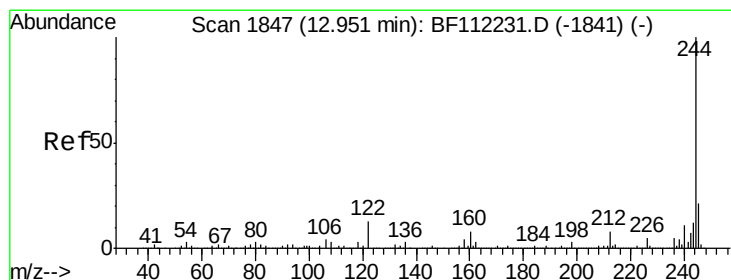
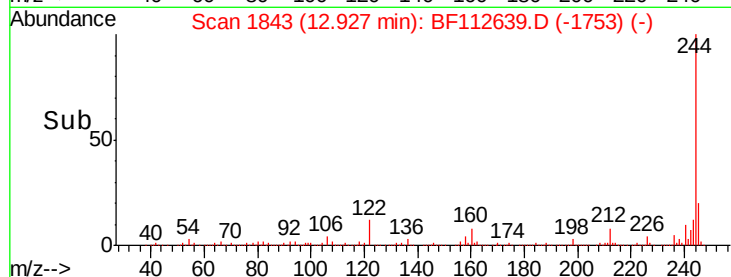
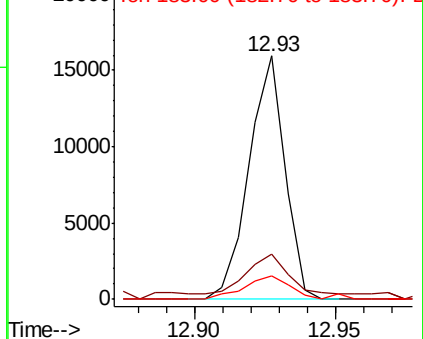
183 9.7 10.0 15.0#



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: 87.193 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112639.D

Acq: 20 Feb 2019 13:57

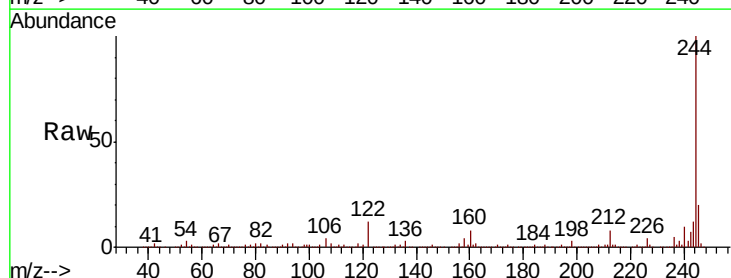
Tgt Ion:244 Resp: 926527

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

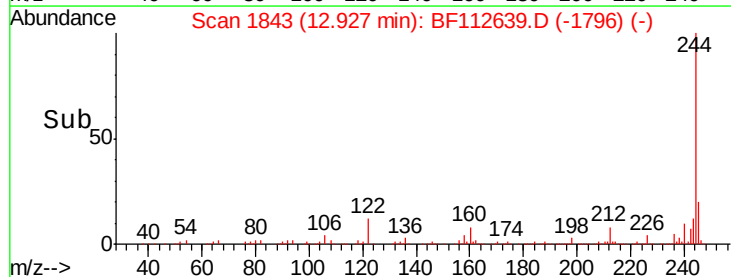
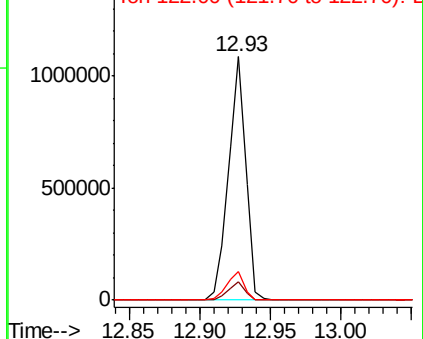
122 11.8 9.8 14.6

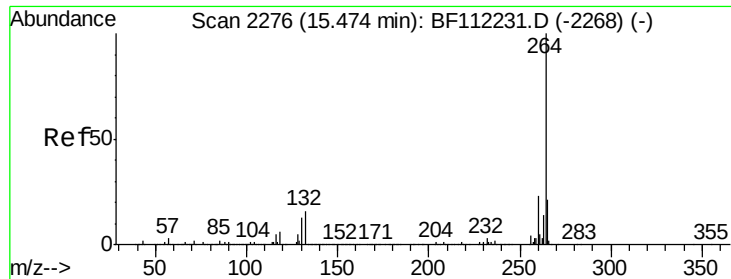


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF112639.D
Acq: 20 Feb 2019 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	22.1	17.0	25.4

