

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022219\
 Data File : BF112673.D
 Acq On : 22 Feb 2019 19:17
 Operator : JU/SJ
 Sample : K1570-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10-10

Quant Time: Feb 22 22:15:25 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	48365	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	205884	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	88478	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	173511	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	126682	20.00	ng	-0.03
87) Perylene-d12	15.45	264	96409	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	105686	46.41	ng	-0.02
7) Phenol-d6	6.49	99	77439	24.47	ng	0.00
23) Nitrobenzene-d5	7.38	82	329097	92.10	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	107476	104.36	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	672457	107.49	ng	-0.04
79) Terphenyl-d14	12.91	244	608626	90.49	ng	-0.04

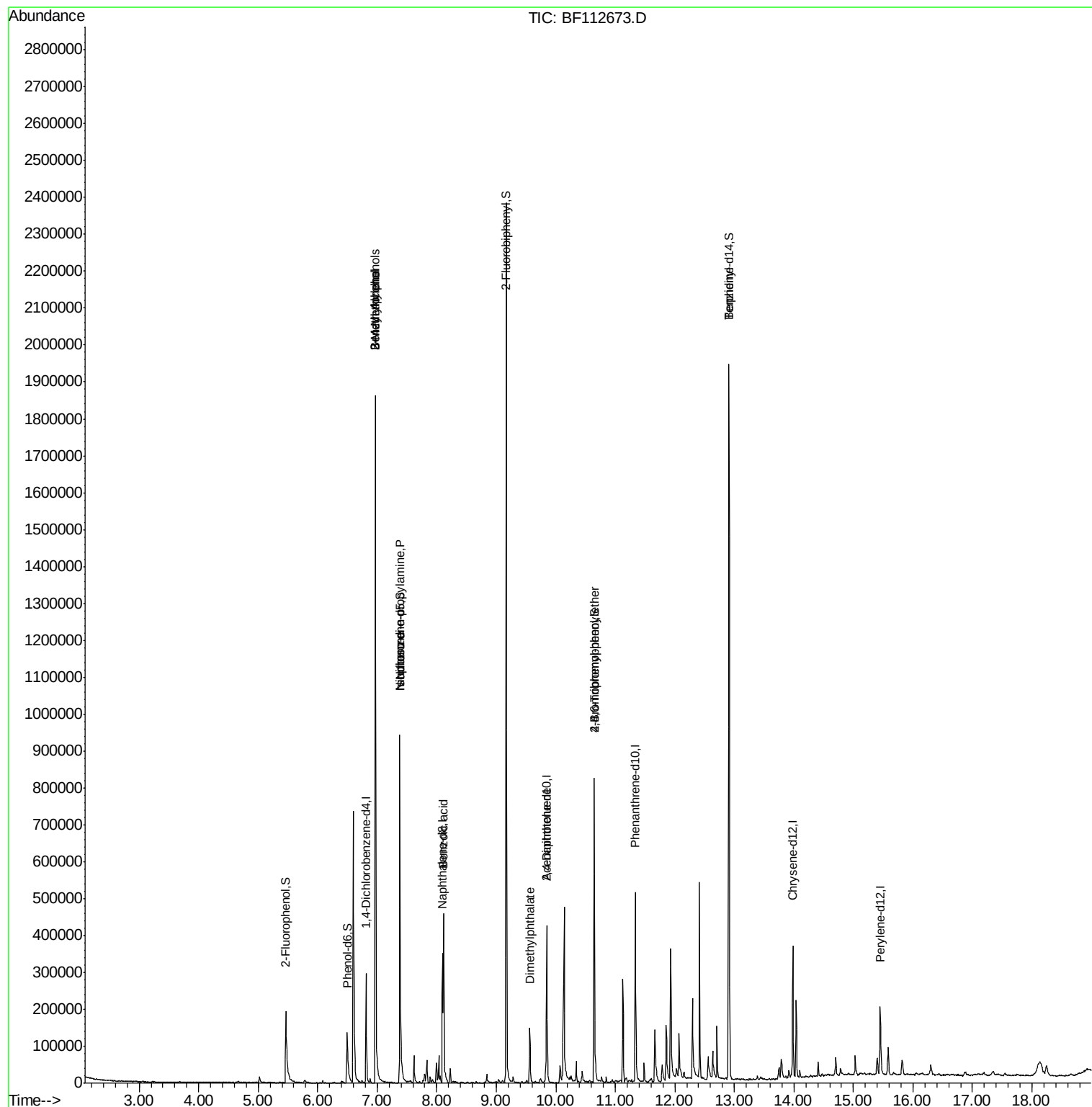
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.97	79	114261	42.840	ng	92
17) 2-Methylphenol	6.97	107	55143	22.709	ng	# 7
19) n-Nitroso-di-n-propylamine	7.38	70	44368	20.336	ng	# 78
20) 3+4-Methylphenols	6.97	107	55142	17.758	ng	# 36
25) Isophorone	7.38	82	329097	58.710	ng	# 63
32) Benzoic acid	8.12	122	3151	2.102	ng	# 1
50) Dimethylphthalate	9.56	163	62461	9.086	ng	99
57) 2,4-Dinitrotoluene	9.85	165	11109	5.668	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	6461	3.166	ng	# 1
77) Benzidine	12.91	184	8724	2.502	ng	# 90

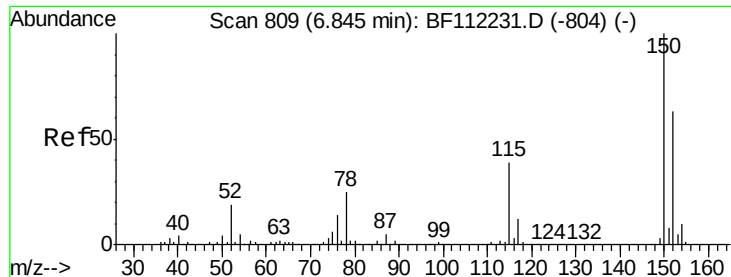
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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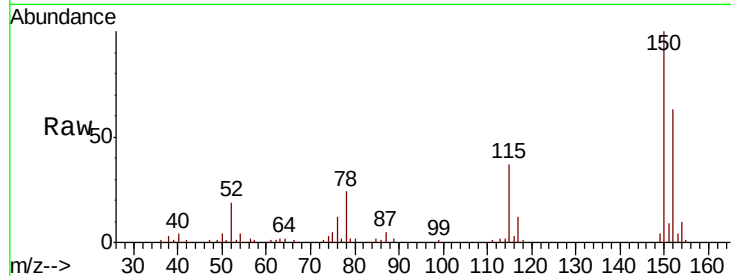




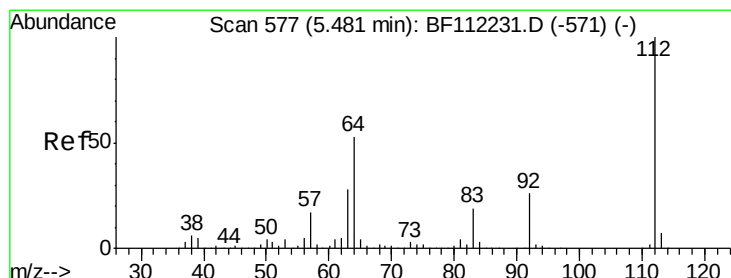
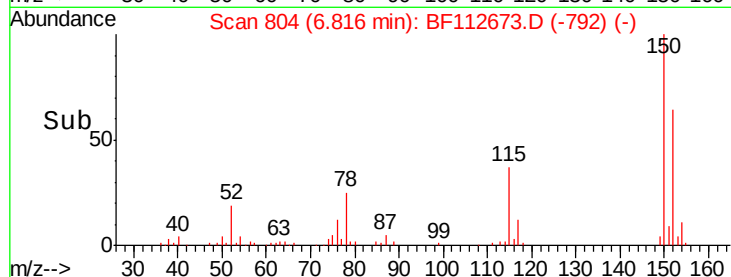
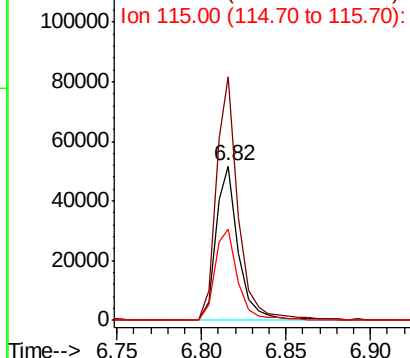
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Instrument :
 BNA_F
 ClientSampled :
 10-10

Tgt Ion:152 Resp: 48365
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.4 191.0
 115 58.8 45.5 68.3

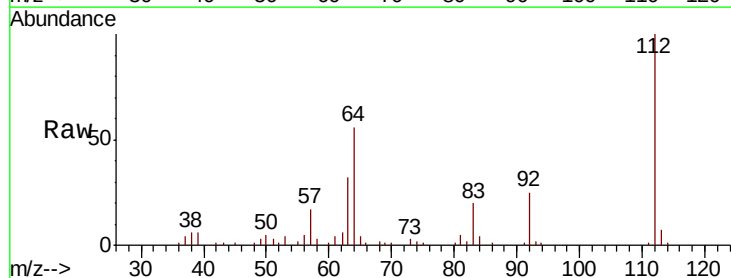


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

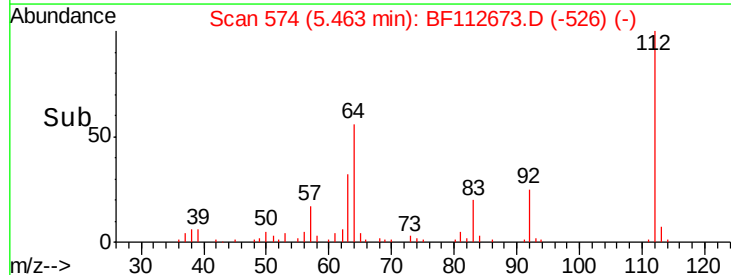
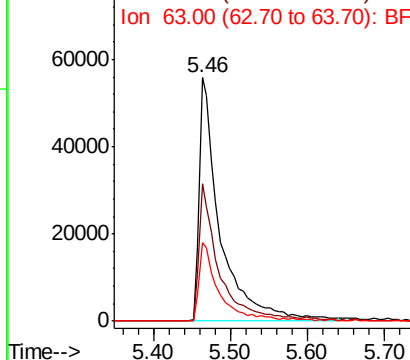


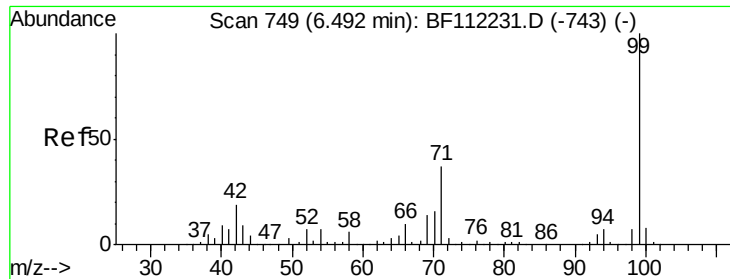
#5
 2-Fluorophenol
 Concen: 46.415 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Tgt Ion:112 Resp: 105686
 Ion Ratio Lower Upper
 112 100
 64 56.3 45.7 68.5
 63 32.1 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: 24.475 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

Instrument :

BNA_F

ClientSampleId :

10-10

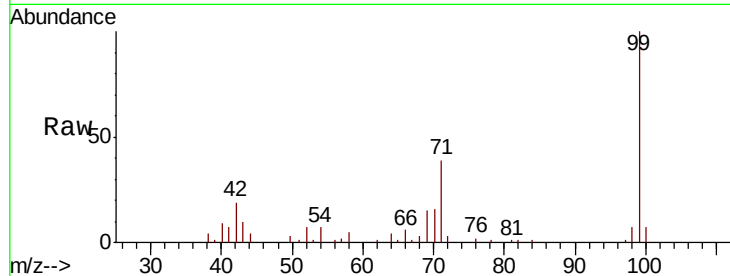
Tgt Ion: 99 Resp: 77439

Ion Ratio Lower Upper

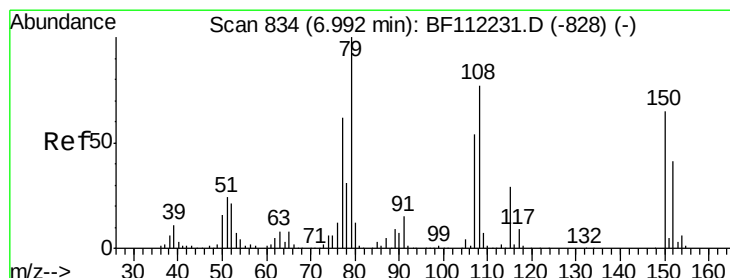
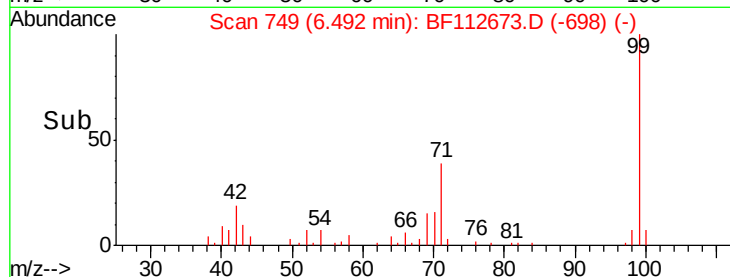
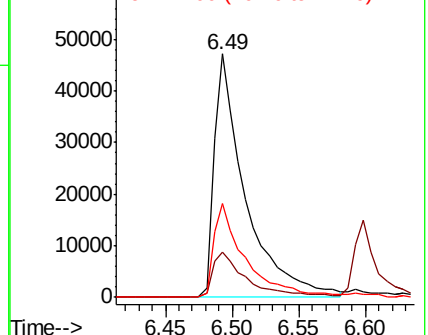
99 100

42 18.6 15.1 22.7

71 38.6 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



#15

Benzyl Alcohol

Concen: 42.840 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

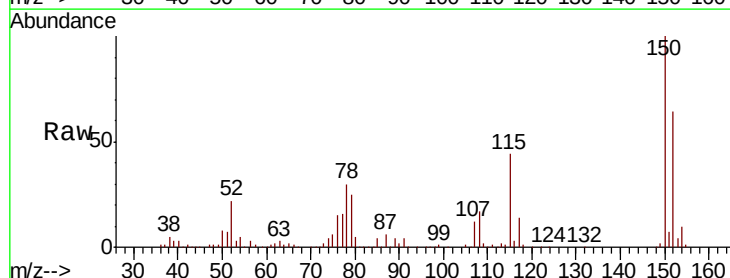
Tgt Ion: 79 Resp: 114261

Ion Ratio Lower Upper

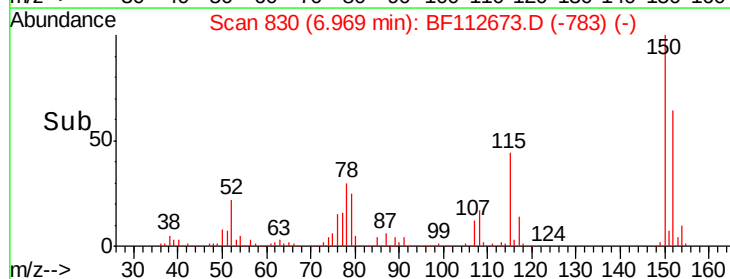
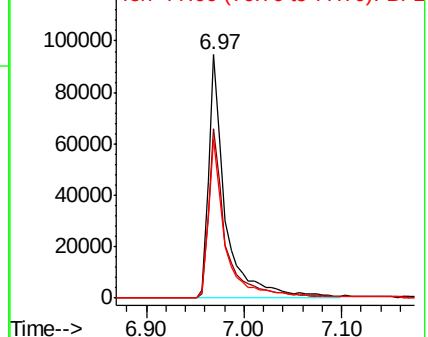
79 100

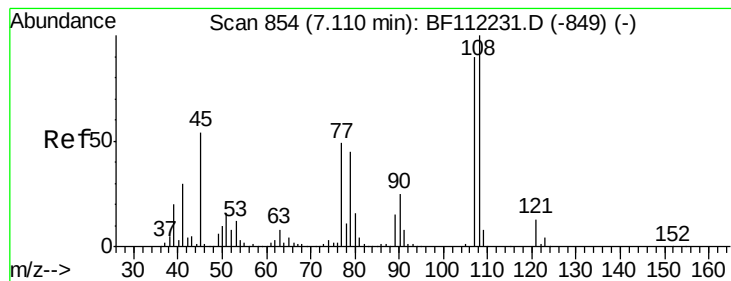
108 69.5 64.2 96.2

77 65.2 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

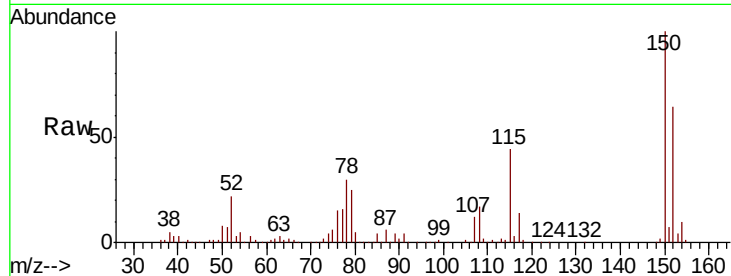




#17
2-Methylphenol
Concen: 22.709 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.14 min
Lab File: BF112673.D
Acq: 22 Feb 2019 19:17

Instrument :
BNA_F
ClientSampleId :
10-10

Tgt Ion	Ratio	Lower	Upper
107	100		
108	139.9	91.3	136.9#
77	131.2	39.0	58.6#
79	201.3	37.0	55.4#



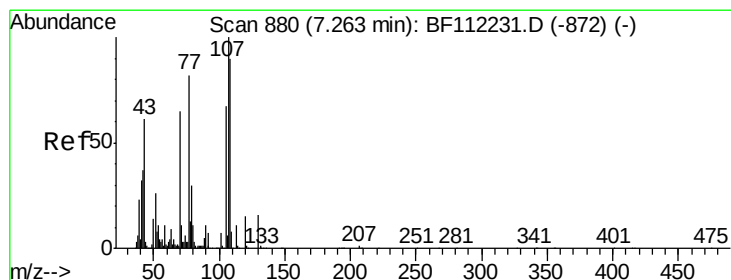
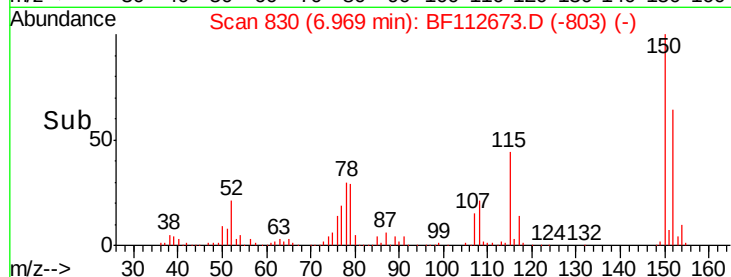
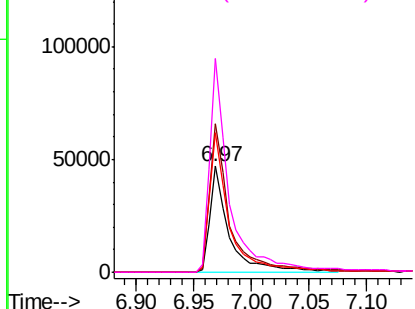
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19
n-Nitroso-di-n-propylamine
Concen: 20.336 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.12 min
Lab File: BF112673.D
Acq: 22 Feb 2019 19:17

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.9	47.6	71.4
101	0.0	7.9	11.9#
130	2.0	18.4	27.6#

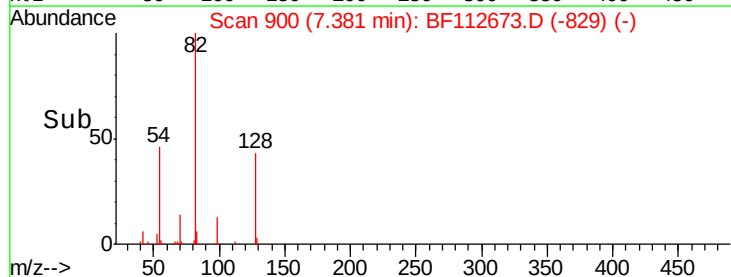
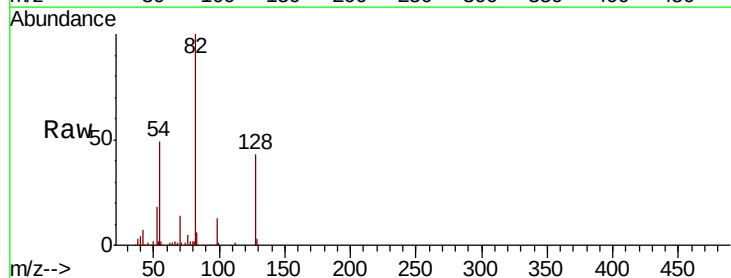
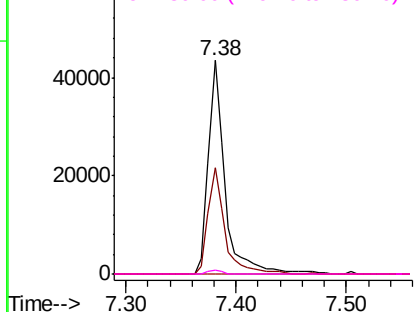
Abundance

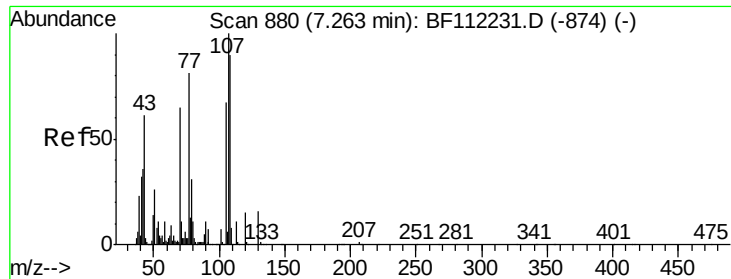
Ion 70.00 (69.70 to 70.70): BF1

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





#20

3+4-Methylphenols

Concen: 17.758 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.29 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

Instrument :

BNA_F

ClientSampleId :

10-10

Tgt Ion:107 Resp: 55142

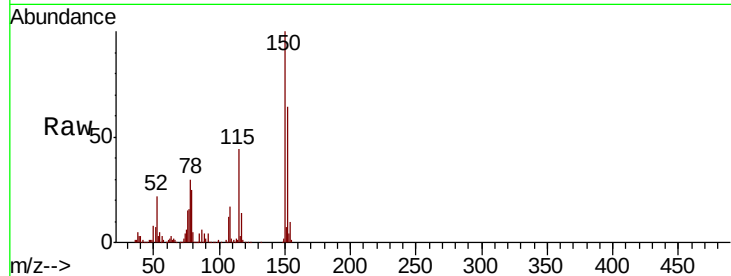
Ion Ratio Lower Upper

107 100

108 139.9 68.2 108.2#

77 131.2 100.7 140.7

79 201.3 7.3 47.3#



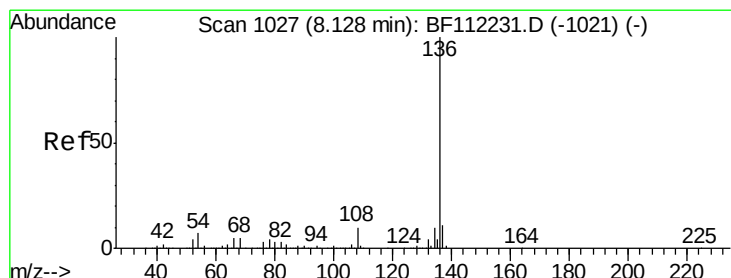
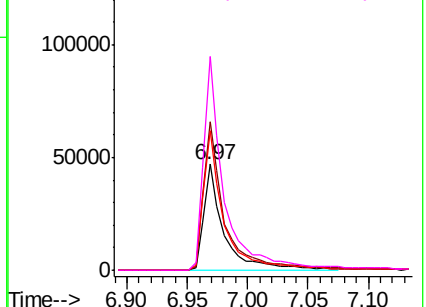
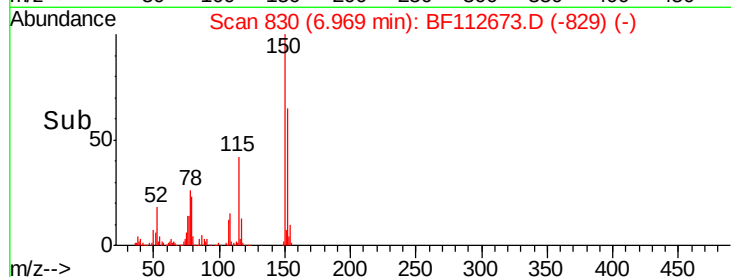
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

Tgt Ion:136 Resp: 205884

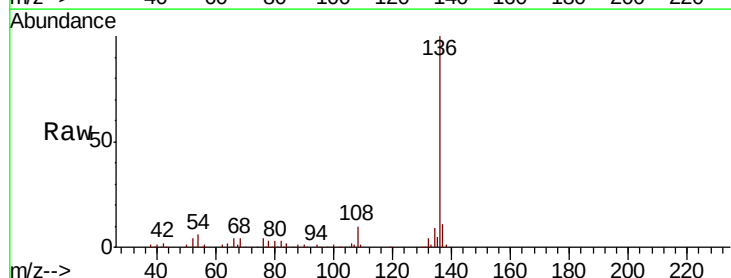
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.1 5.9 8.9

68 4.1 5.1 7.7#



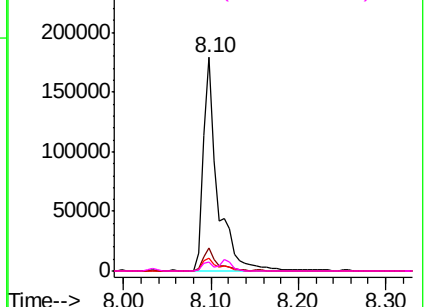
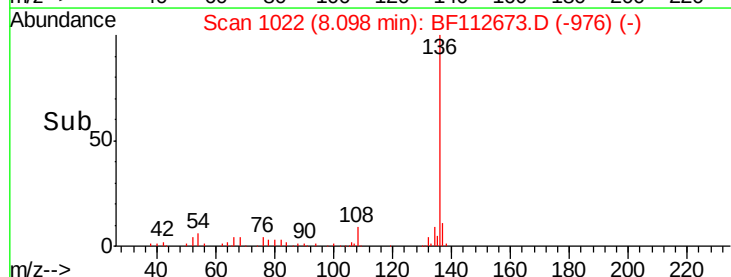
Abundance

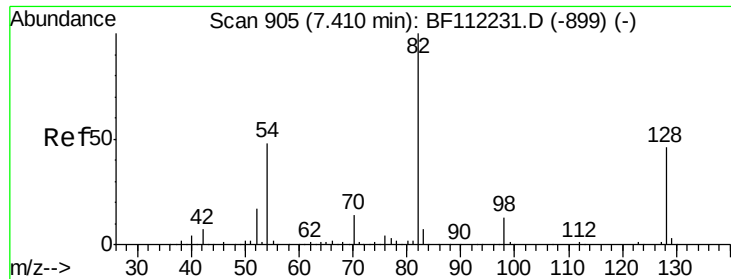
Ion 136.00 (135.70 to 136.70): E

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

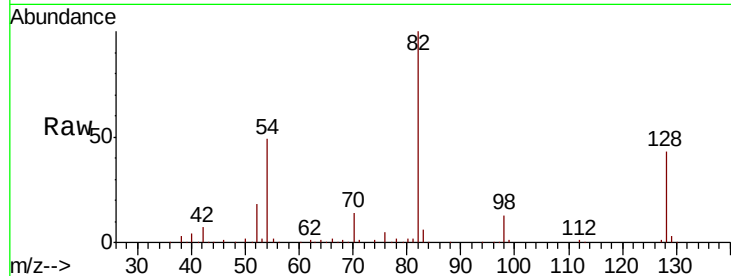




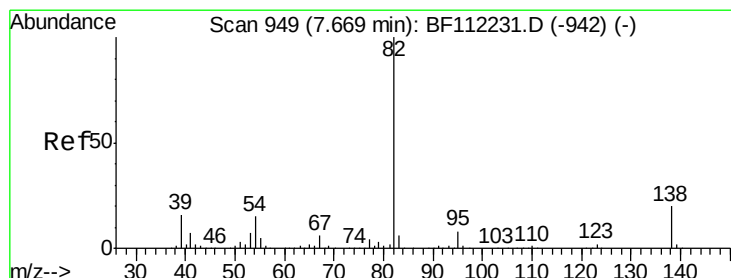
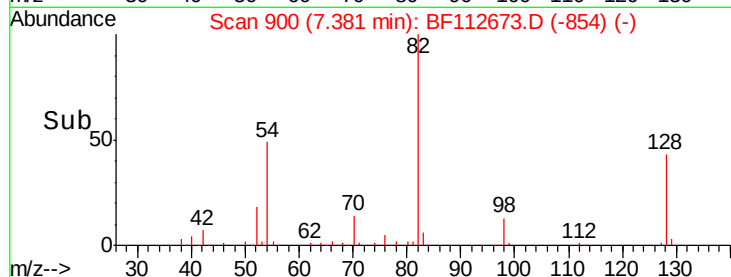
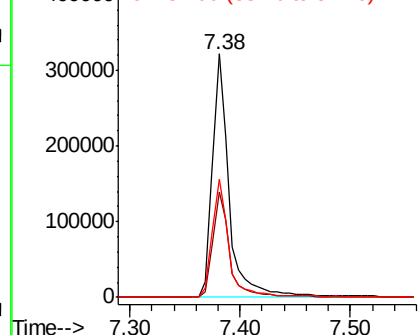
#23
 Nitrobenzene-d5
 Concen: 92.103 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.03 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Instrument :
 BNA_F
 ClientSampleId :
 10-10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.1	37.8	56.8
54	48.6	39.7	59.5

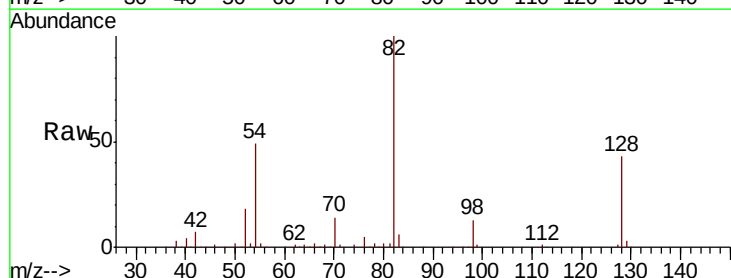


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

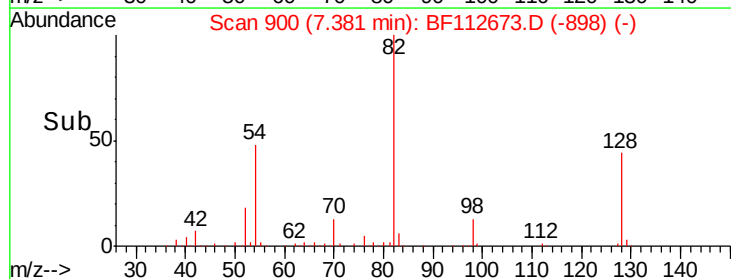
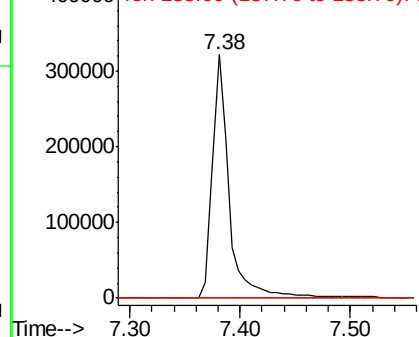


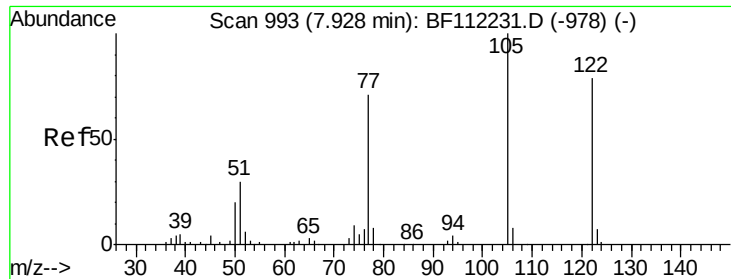
#25
 Isophorone
 Concen: 58.710 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.29 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	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

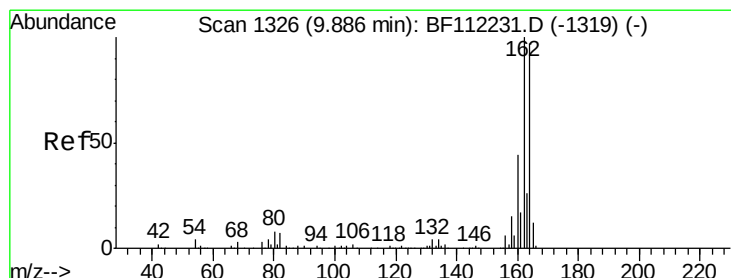
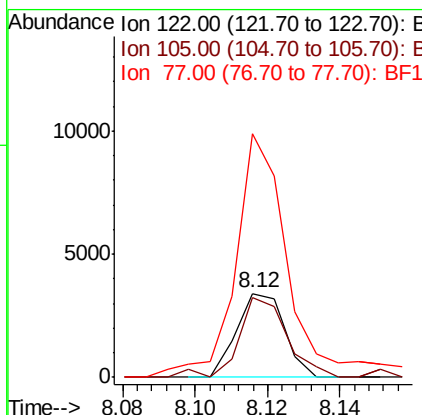
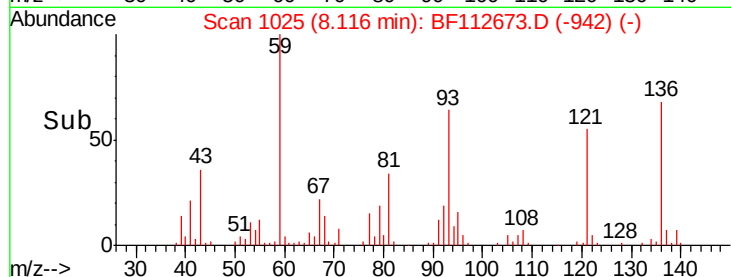
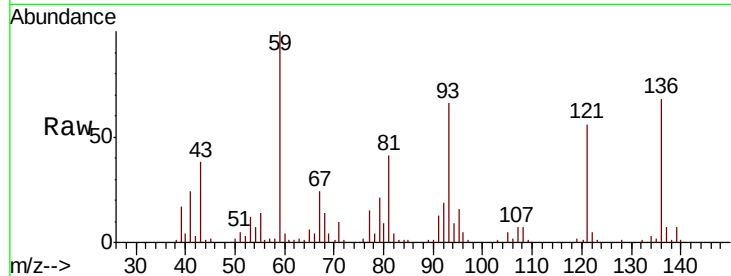




#32
Benzoic acid
Concen: 2.102 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.19 min
Lab File: BF112673.D
Acq: 22 Feb 2019 19:17

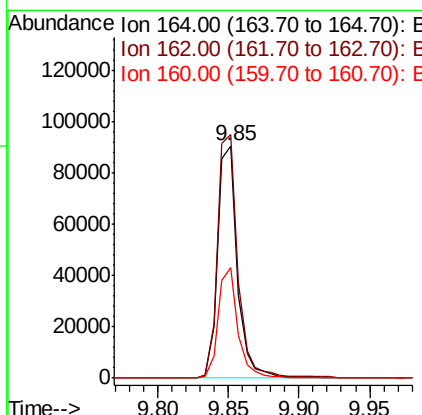
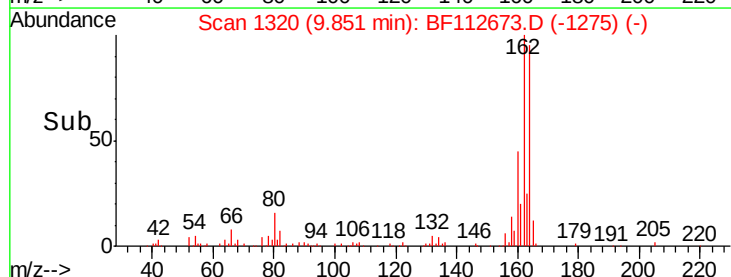
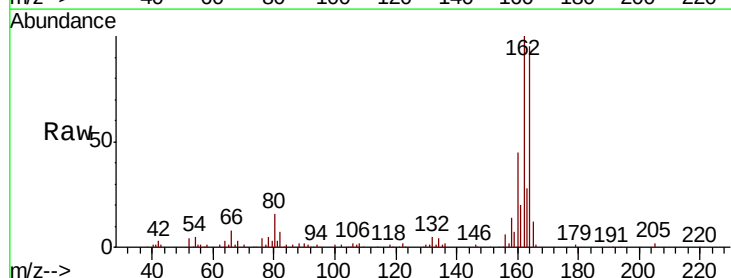
Instrument :
BNA_F
ClientSampled :
10-10

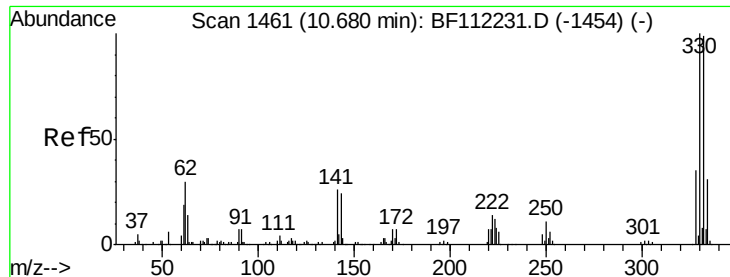
Tgt Ion:122 Resp: 3151
Ion Ratio Lower Upper
122 100
105 94.5 101.2 141.2#
77 289.7 70.4 110.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112673.D
Acq: 22 Feb 2019 19:17

Tgt Ion:164 Resp: 88478
Ion Ratio Lower Upper
164 100
162 104.8 82.2 123.4
160 47.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 104.360 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.04 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

Instrument :

BNA_F

ClientSampled :

10-10

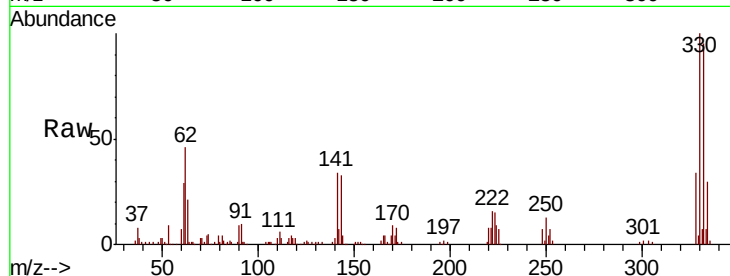
Tgt Ion:330 Resp: 107476

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

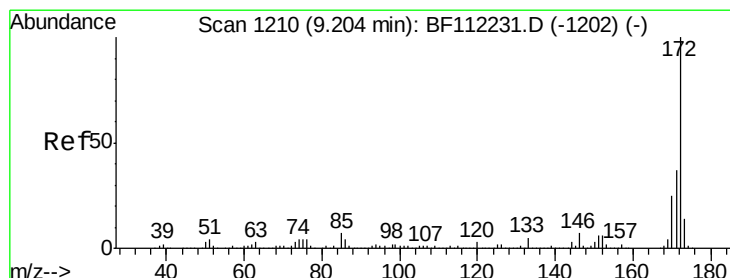
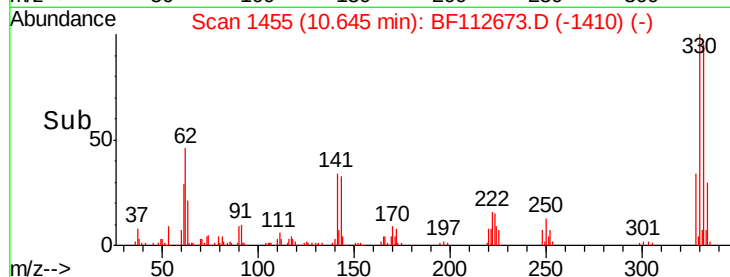
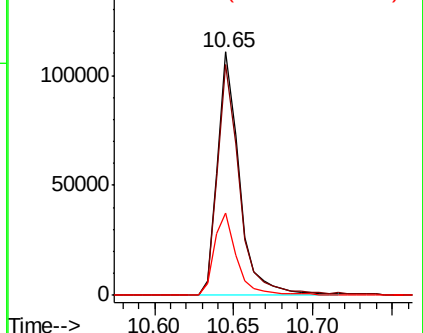
141 34.9 24.3 36.5



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: 107.493 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

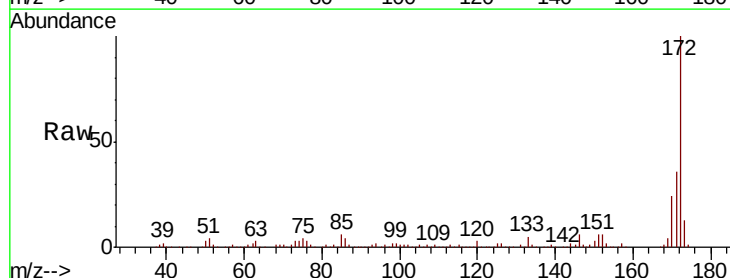
Tgt Ion:172 Resp: 672457

Ion Ratio Lower Upper

172 100

171 36.5 30.5 45.7

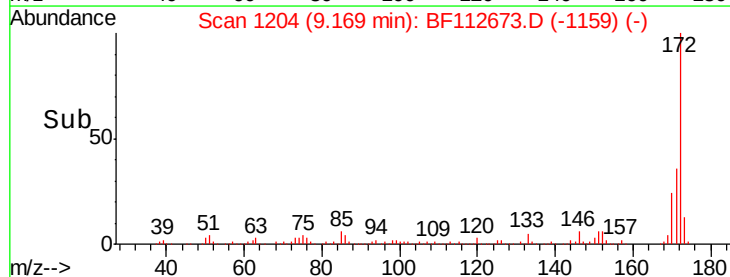
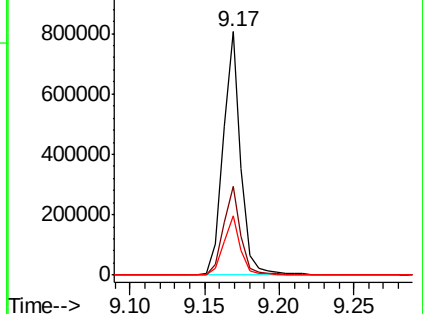
170 24.3 20.2 30.4

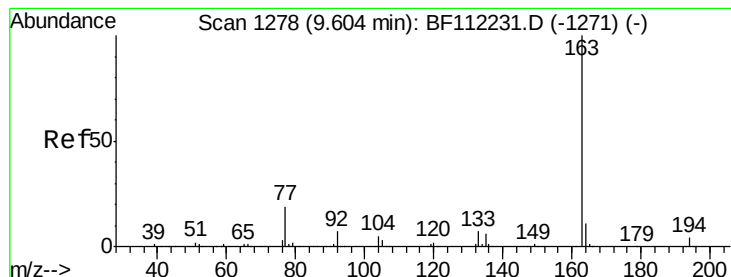


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.086 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.04 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

Instrument :

BNA_F

ClientSampleId :

10-10

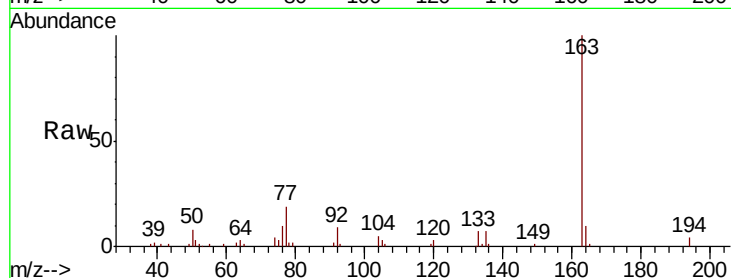
Tgt Ion:163 Resp: 62461

Ion Ratio Lower Upper

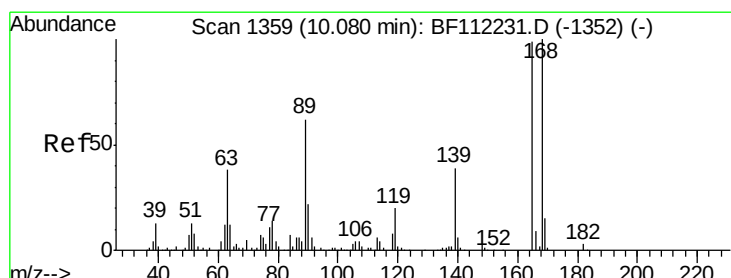
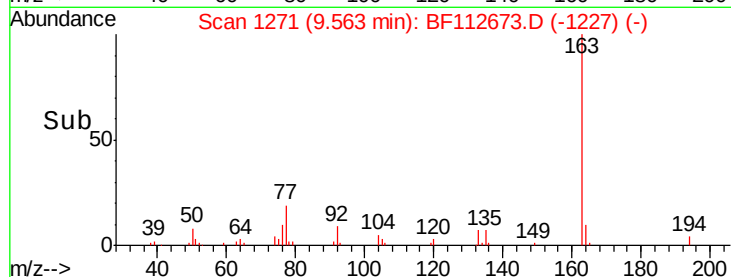
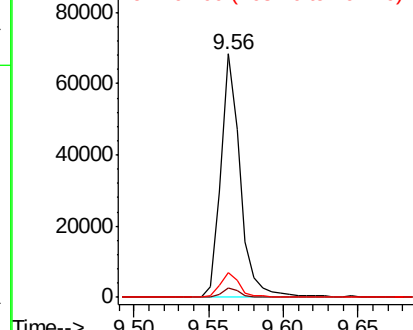
163 100

194 3.7 3.3 4.9

164 10.3 8.5 12.7



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: 5.668 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF112673.D

Acq: 22 Feb 2019 19:17

Tgt Ion:165 Resp: 11109

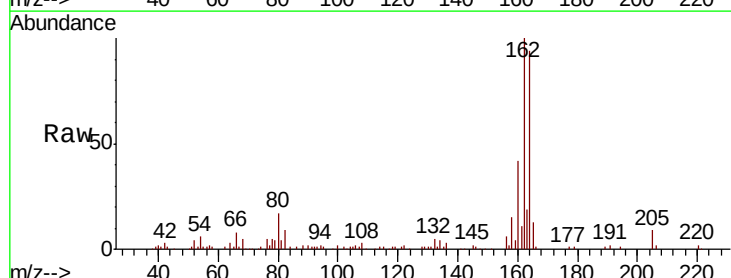
Ion Ratio Lower Upper

165 100

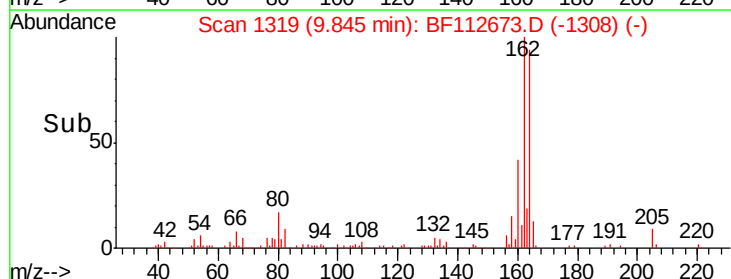
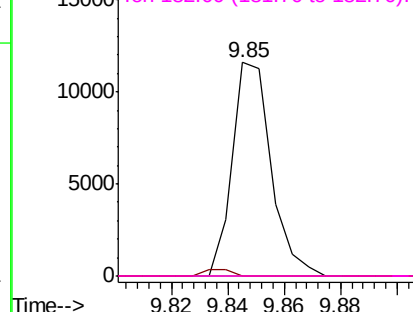
63 0.0 27.9 41.9#

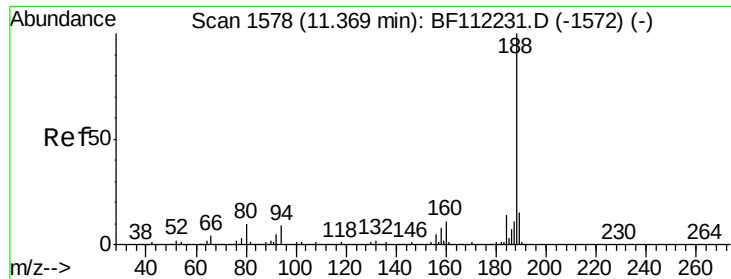
89 0.0 47.9 71.9#

182 0.0 2.2 3.4#



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

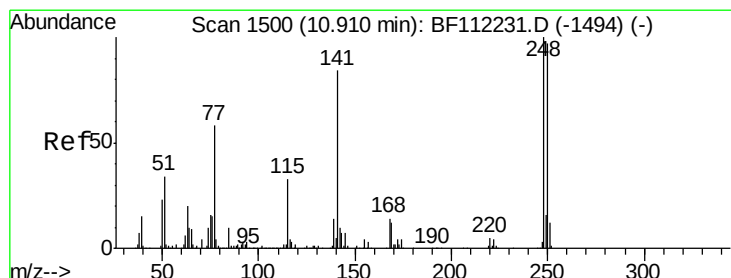
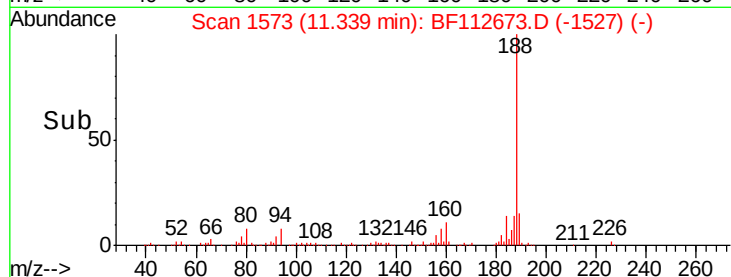
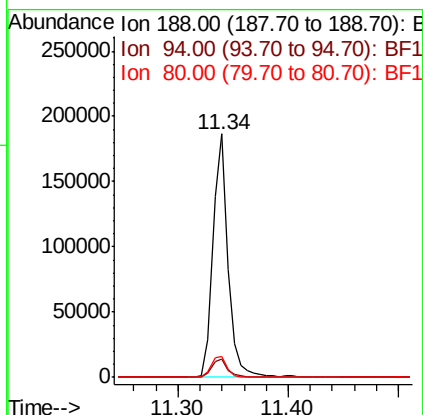
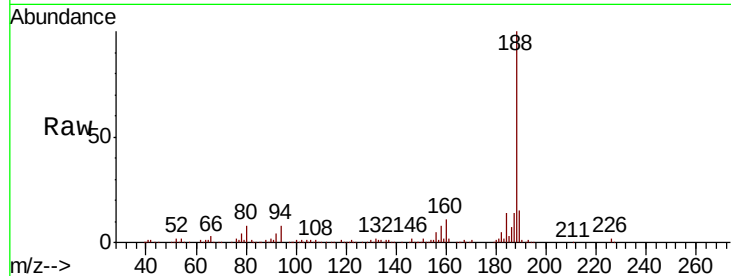




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

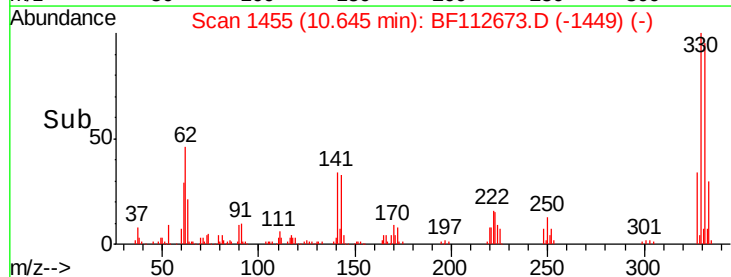
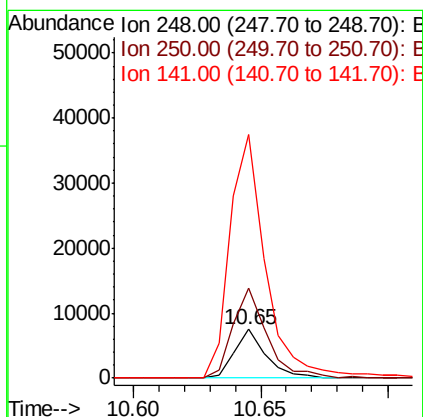
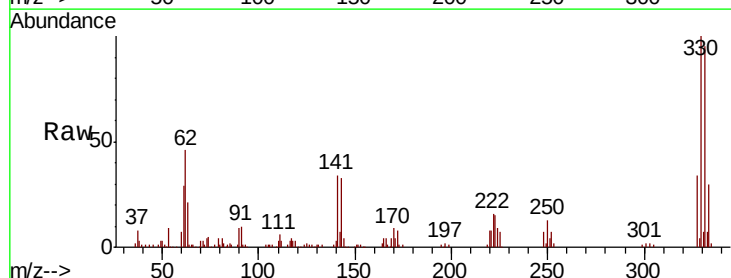
Instrument :
 BNA_F
 ClientSampleId :
 10-10

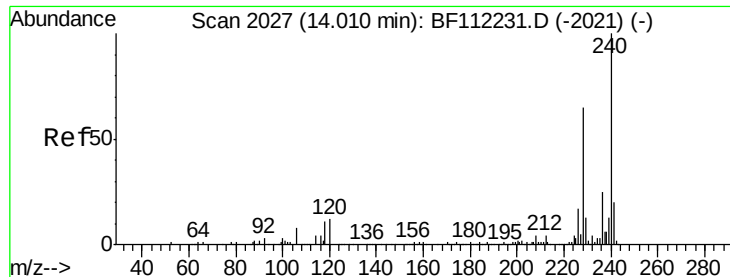
Tgt Ion:188 Resp: 173511
 Ion Ratio Lower Upper
 188 100
 94 7.6 8.2 12.2#
 80 8.4 8.9 13.3#



#67
 4-Bromophenyl-phenylether
 Concen: 3.166 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.26 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Tgt Ion:248 Resp: 6461
 Ion Ratio Lower Upper
 248 100
 250 184.4 79.7 119.5#
 141 497.7 60.3 90.5#

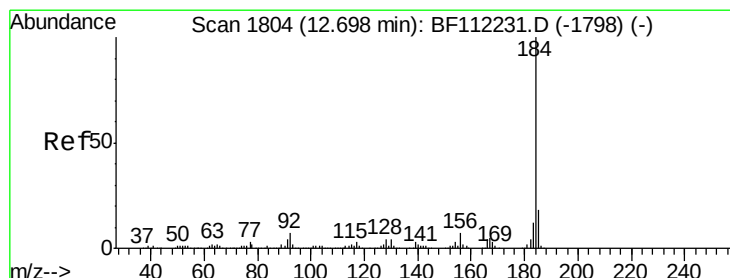
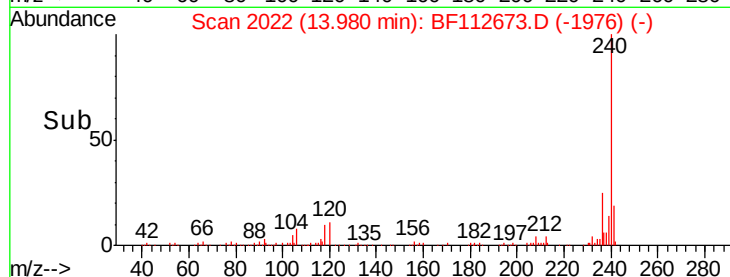
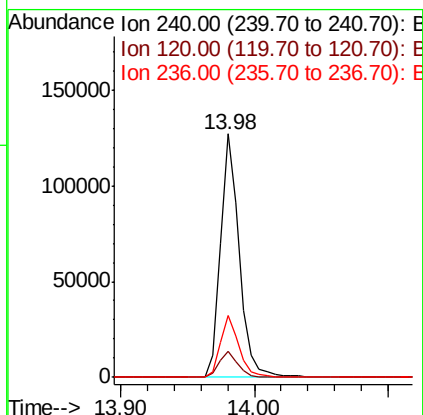
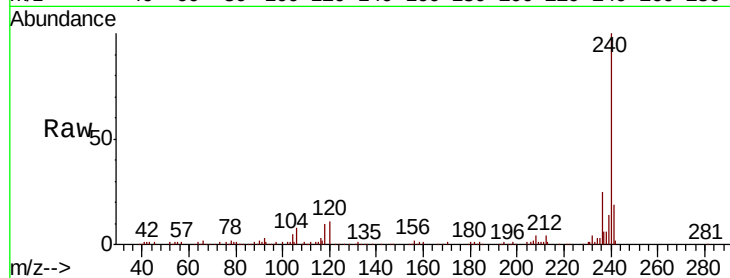




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF112673.D
Acq: 22 Feb 2019 19:17

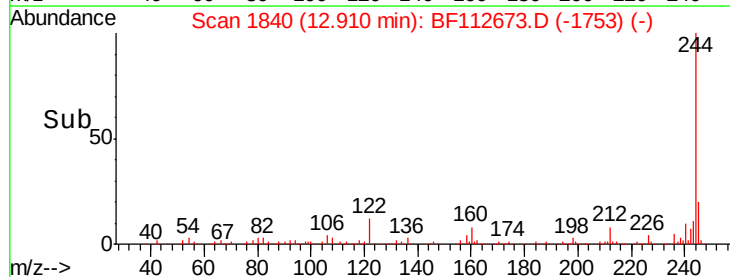
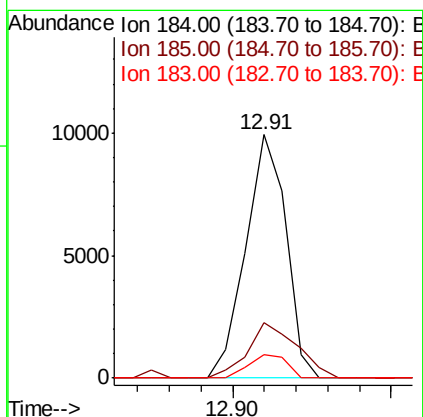
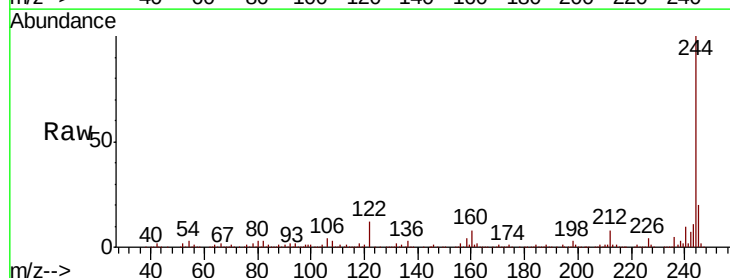
Instrument :
BNA_F
ClientSampleId :
10-10

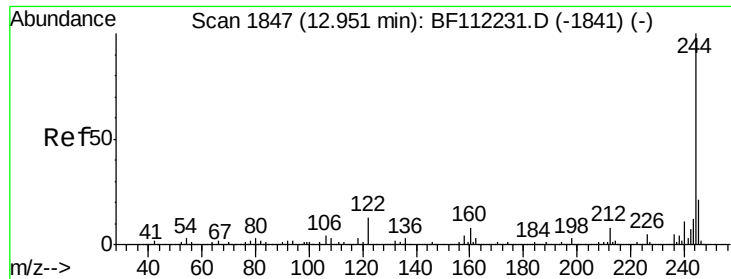
Tgt Ion:240 Resp: 126682
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.4 20.7 31.1



#77
Benzidine
Concen: 2.502 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.21 min
Lab File: BF112673.D
Acq: 22 Feb 2019 19:17

Tgt Ion:184 Resp: 8724
Ion Ratio Lower Upper
184 100
185 22.8 13.9 20.9#
183 9.6 10.0 15.0#

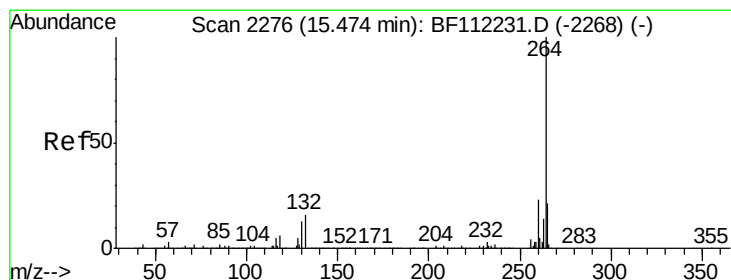
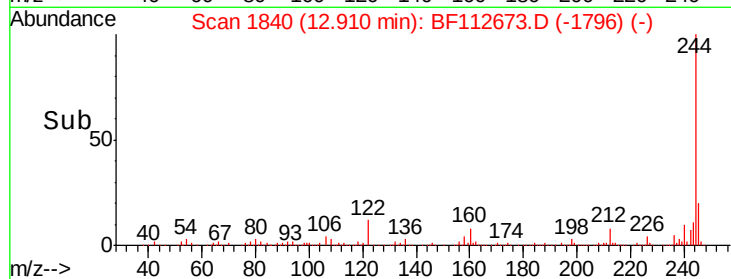
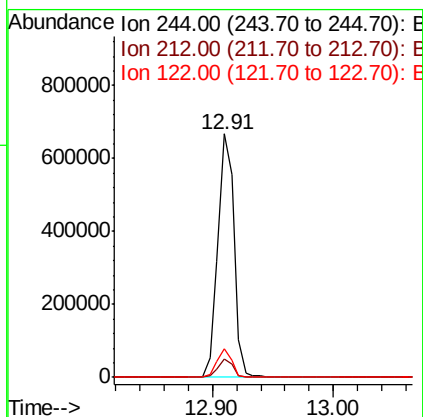
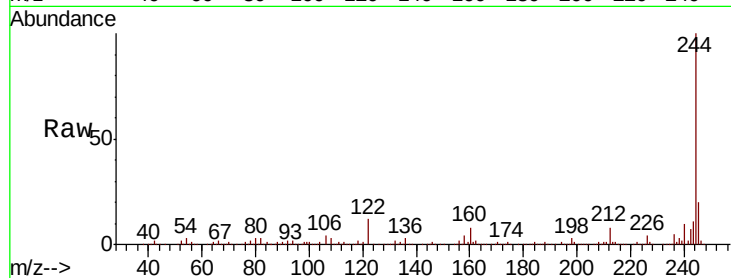




#79
 Terphenyl-d14
 Concen: 90.488 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Instrument :
 BNA_F
 ClientSampled :
 10-10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	12.0	9.8	14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.02 min
 Lab File: BF112673.D
 Acq: 22 Feb 2019 19:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.2	17.0	25.4

