

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107810.D
 Acq On : 30 Jul 2018 19:53
 Operator : JU/SJ
 Sample : J4217-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 01:03:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	203601	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	859719	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	394074	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	803336	20.00	ng	0.00
75) Chrysene-d12	14.15	240	560237	20.00	ng	0.00
86) Perylene-d12	15.68	264	584238	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1545049	128.97	ng	0.01
7) Phenol-d6	6.61	99	1919869	121.60	ng	0.00
23) Nitrobenzene-d5	7.53	82	1291265	86.53	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	579248	108.18	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	2103086	74.37	ng	0.00
78) Terphenyl-d14	13.08	244	1889361	73.13	ng	0.00

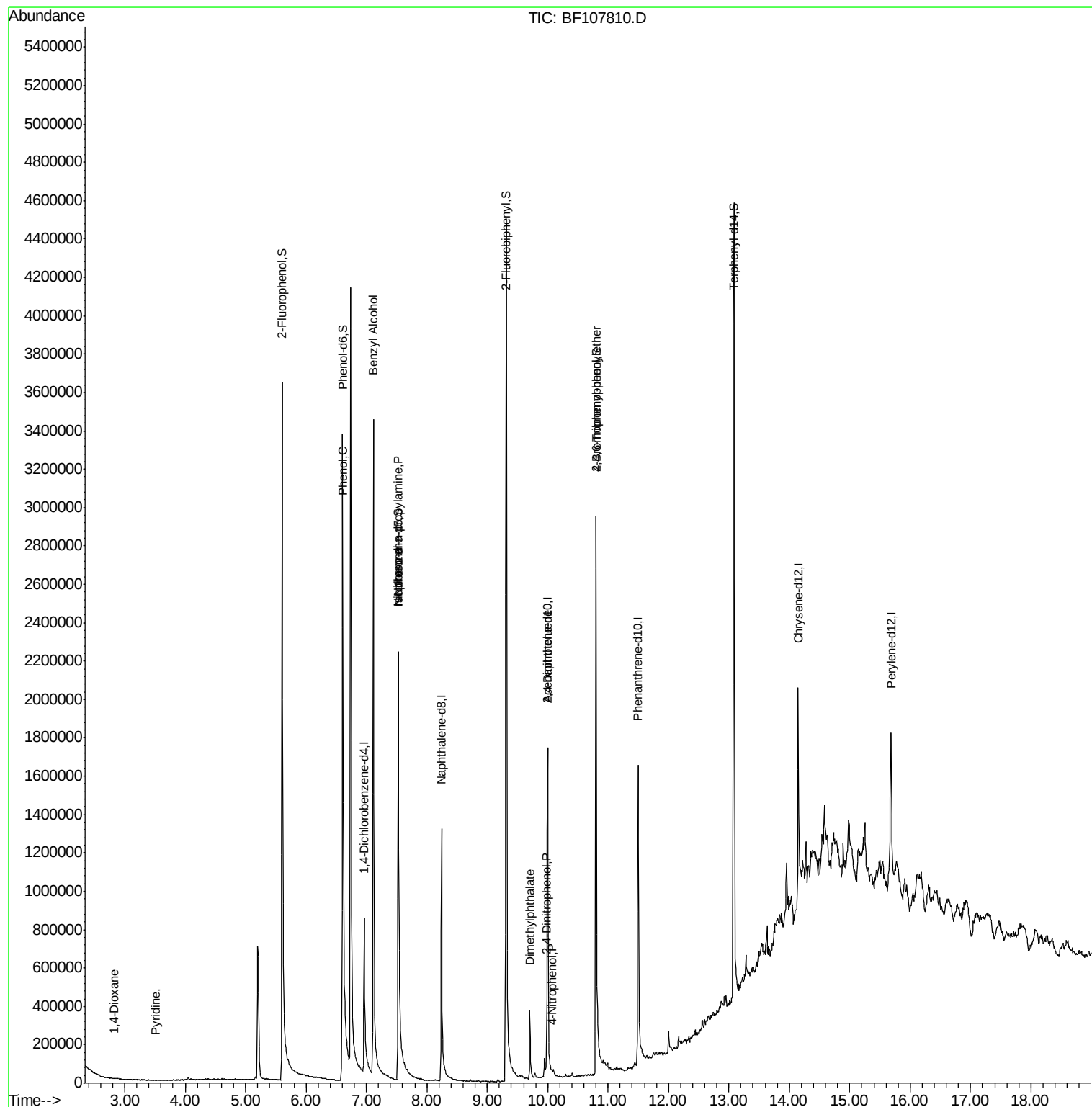
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.83	88	1077	5.962	ng	# 71
3) Pyridine	3.51	79	122	6.262	ng	# 1
10) Phenol	6.62	94	94602	5.024	ng	# 58
15) Benzyl Alcohol	7.11	79	19863	2.024	ng	# 45
19) n-Nitroso-di-n-propylamine	7.53	70	159662	15.941	ng	# 79
25) Isophorone	7.53	82	1291265	52.713	ng	# 64
49) Dimethylphthalate	9.71	163	172546	5.830	ng	# 99
53) 2,4-Dinitrophenol	9.98	184	110	8.469	ng	# 1
55) 4-Nitrophenol	10.08	139	137	9.344	ng	# 17
56) 2,4-Dinitrotoluene	10.00	165	49066	5.804	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	34292	3.662	ng	# 1

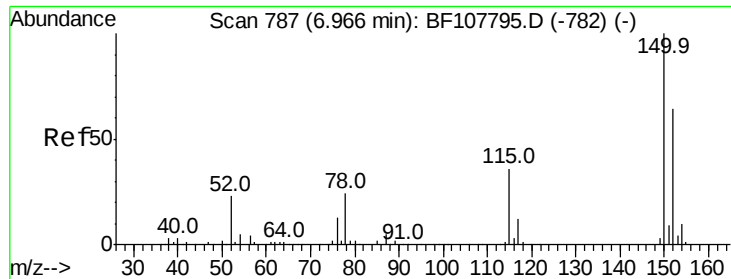
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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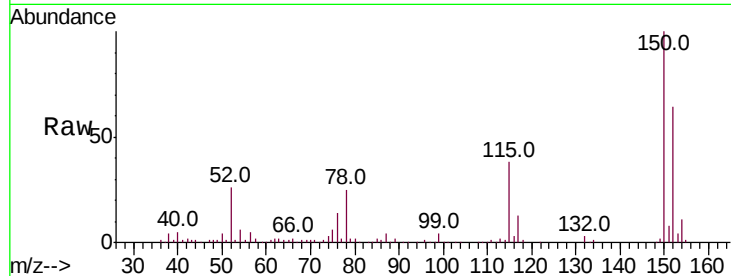


#1

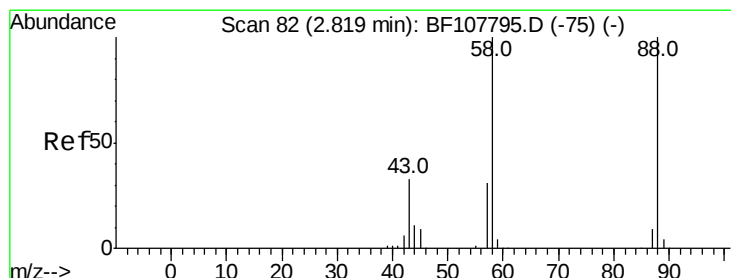
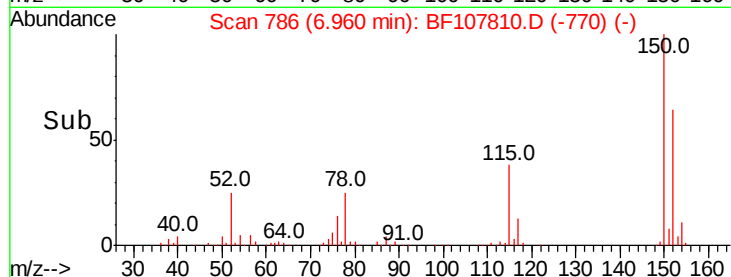
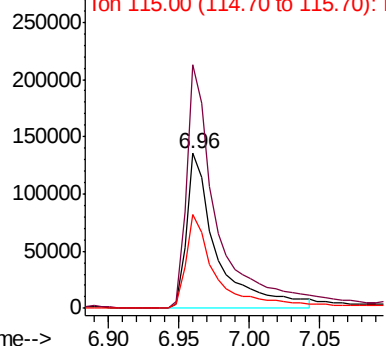
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 203601
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 60.4 50.1 75.1



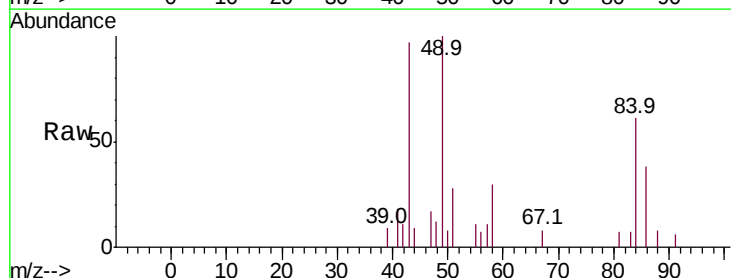
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



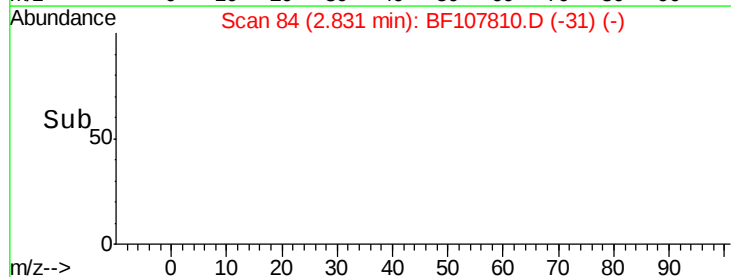
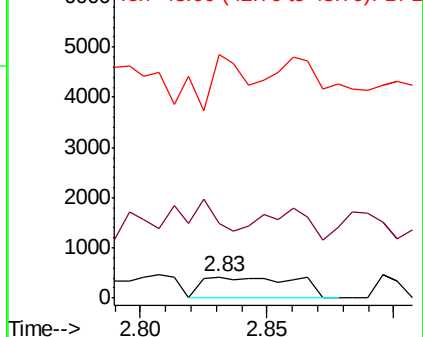
#2

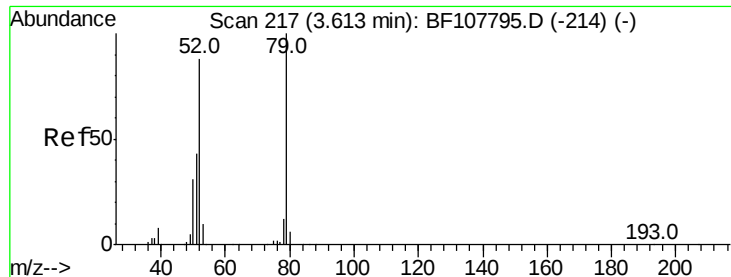
1,4-Dioxane
Concen: 5.962 ng
RT: 2.83 min Scan# 84
Delta R.T. 0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Tgt Ion: 88 Resp: 1077
Ion Ratio Lower Upper
88 100
58 77.2 62.6 93.8
43 84.6 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 6.262 ng

RT: 3.51 min Scan# 199

Delta R.T. -0.11 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

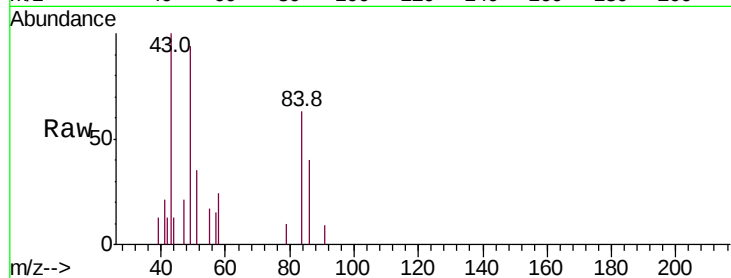
Tot Ion: 79 Resp: 122

Ion Ratio Lower Upper

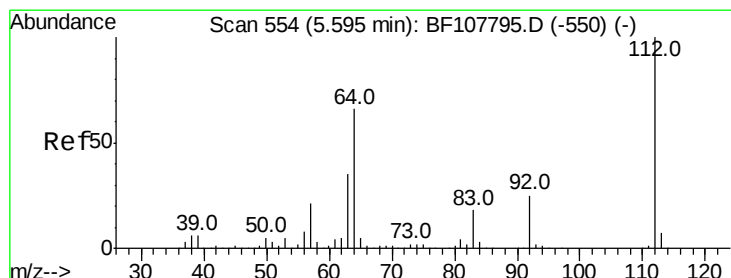
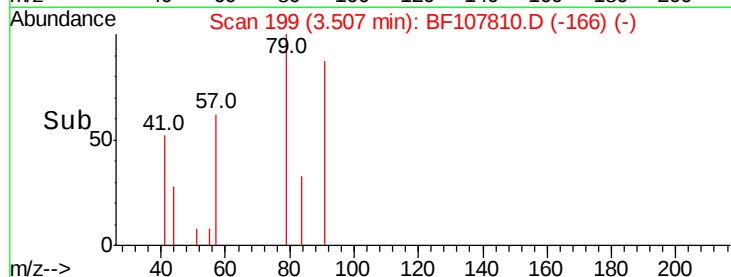
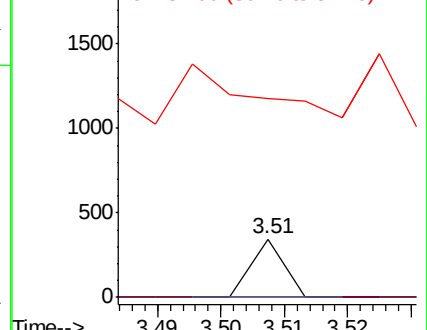
79 100

52 0.0 59.8 89.6#

51 342.3 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 128.972 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

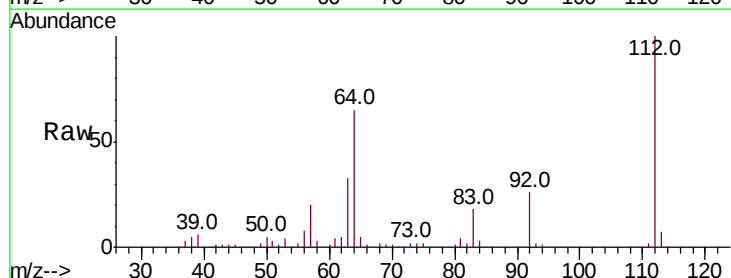
Tgt Ion: 112 Resp: 1545049

Ion Ratio Lower Upper

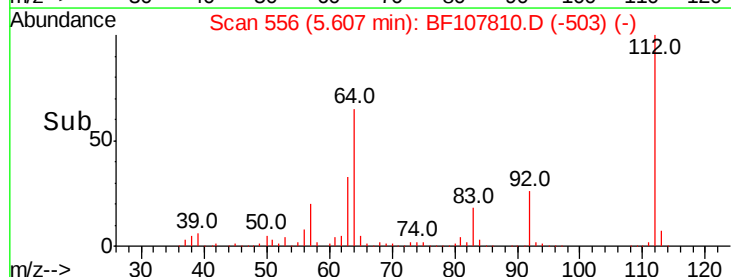
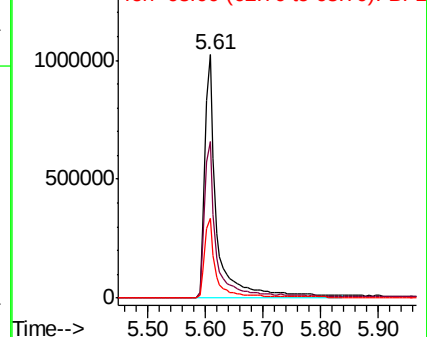
112 100

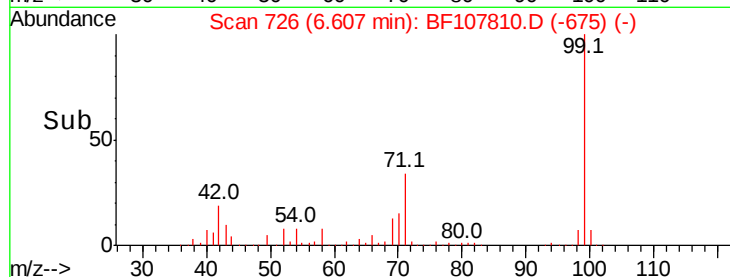
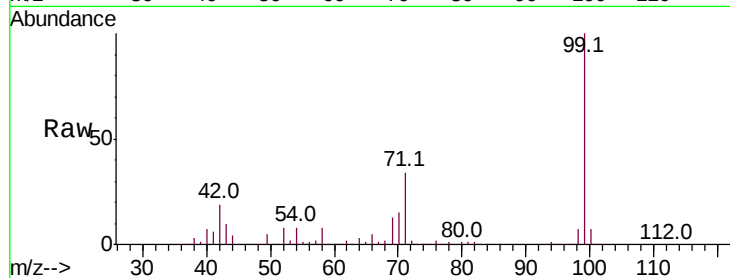
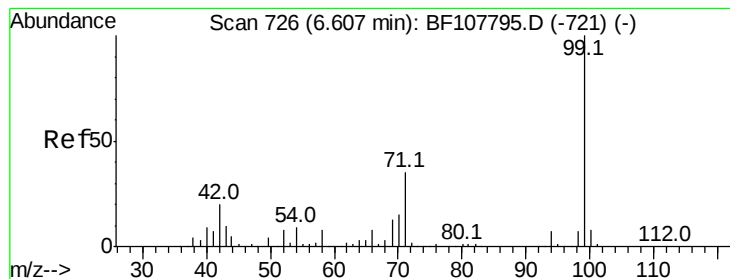
64 64.5 47.9 71.9

63 32.6 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: 121.599 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

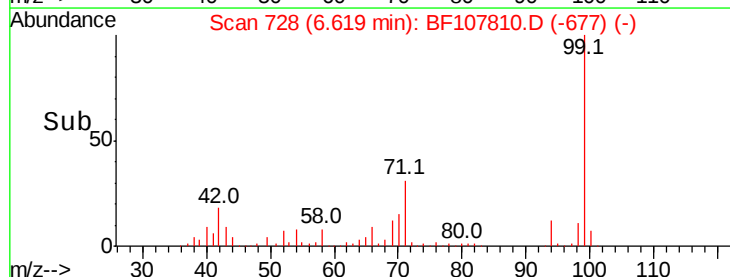
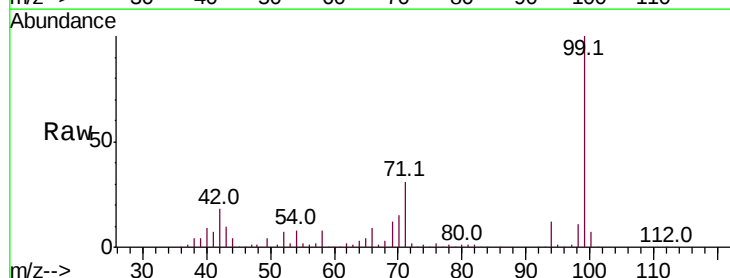
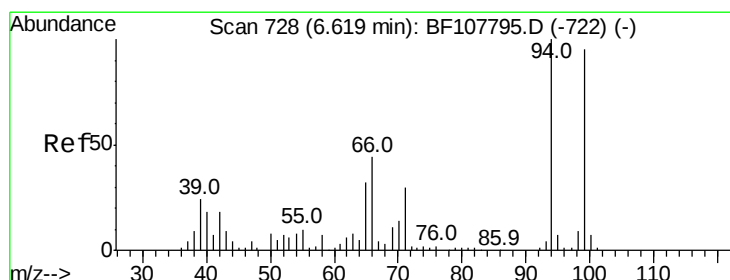
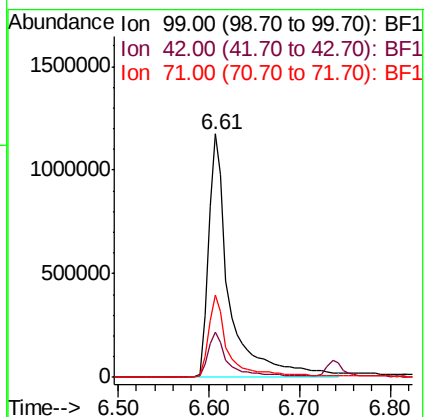
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1919869

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.5	21.7
71	33.9	25.4	38.0



#10

Phenol

Concen: 5.024 ng

RT: 6.62 min Scan# 728

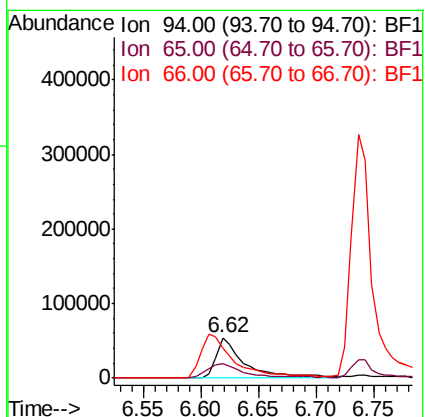
Delta R.T. 0.00 min

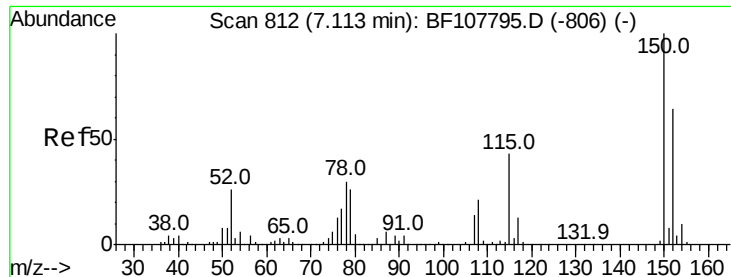
Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

Tgt Ion: 94 Resp: 94602

Ion	Ratio	Lower	Upper
94	100		
65	36.1	7.9	47.9
66	73.5	16.2	56.2

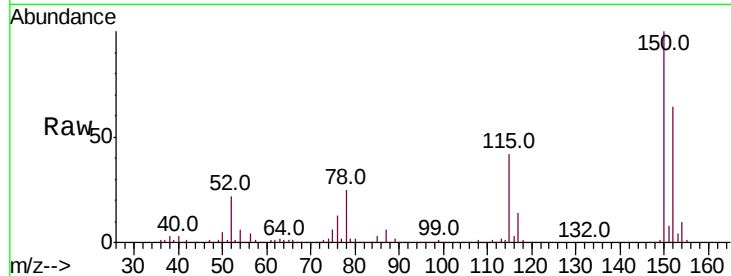




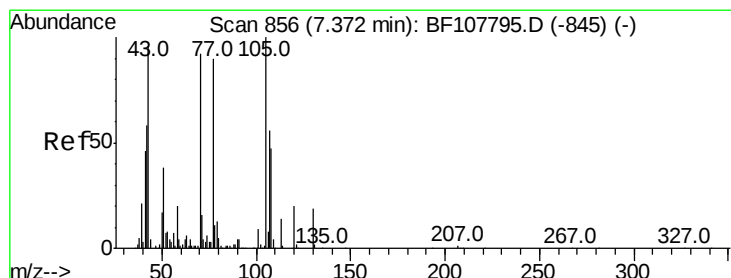
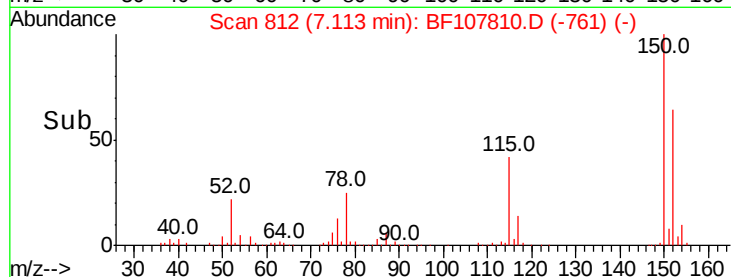
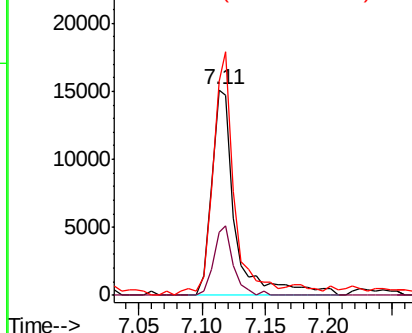
#15
Benzyl Alcohol
Concen: 2.024 ng
RT: 7.11 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion: 79 Resp: 19863
Ion Ratio Lower Upper
79 100
108 31.0 65.1 97.7#
77 104.2 50.6 75.8#

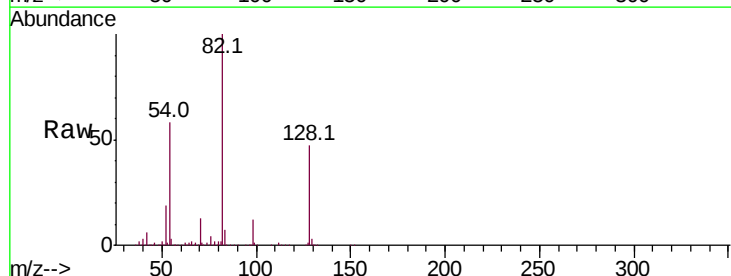


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

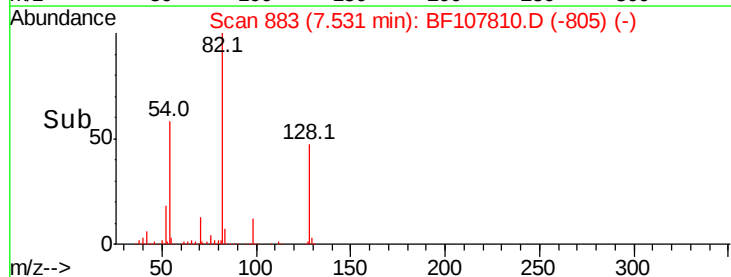
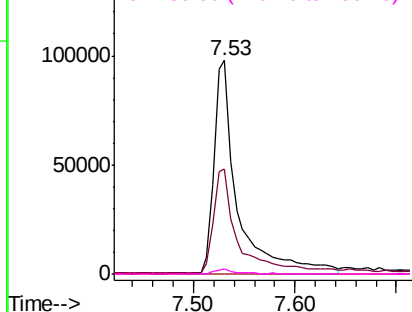


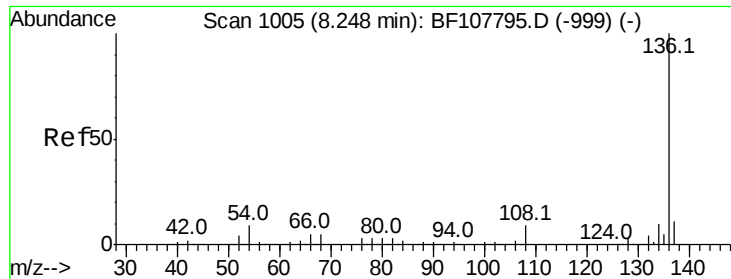
#19
n-Nitroso-di-n-propylamine
Concen: 15.941 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Tgt Ion: 70 Resp: 159662
Ion Ratio Lower Upper
70 100
42 49.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



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

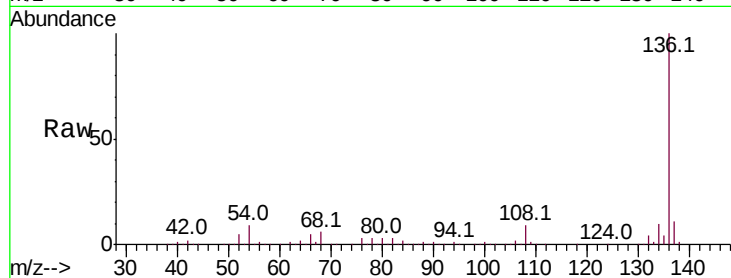




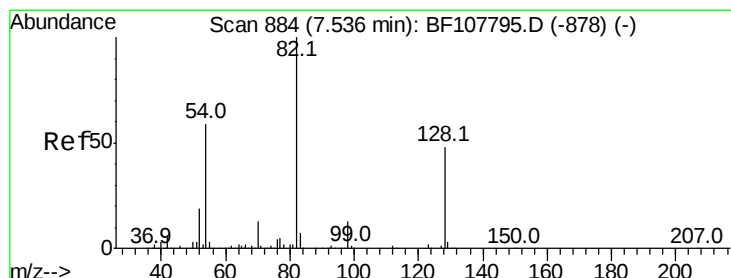
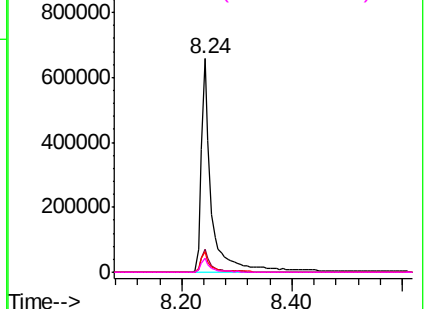
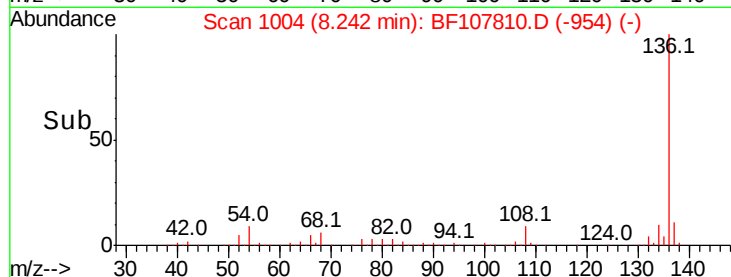
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	859719
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.5	6.6	9.8
68	6.4	5.0	7.4

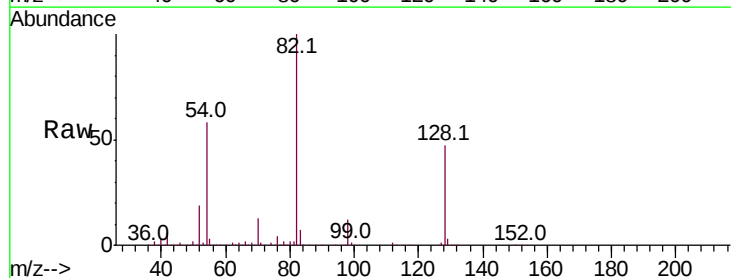


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

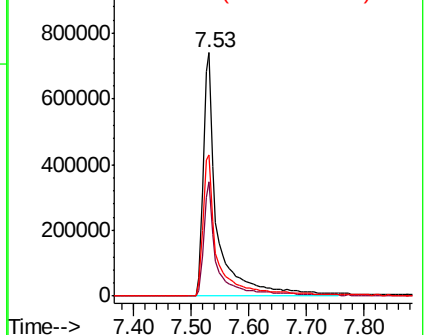
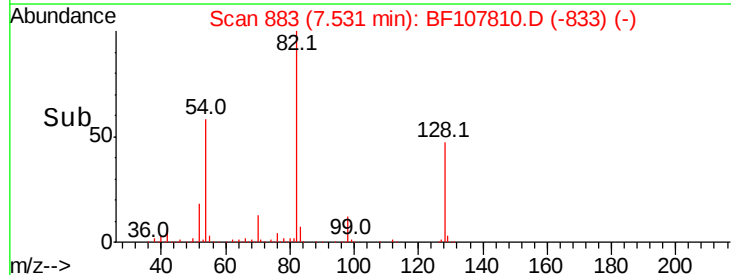


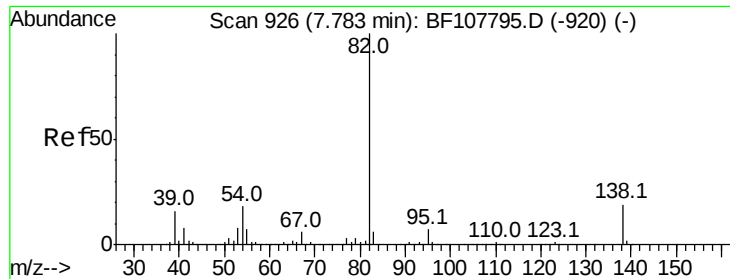
#23
Nitrobenzene-d5
Concen: 86.529 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Tgt Ion:	82	Resp:	1291265
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	58.2	41.4	62.2



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

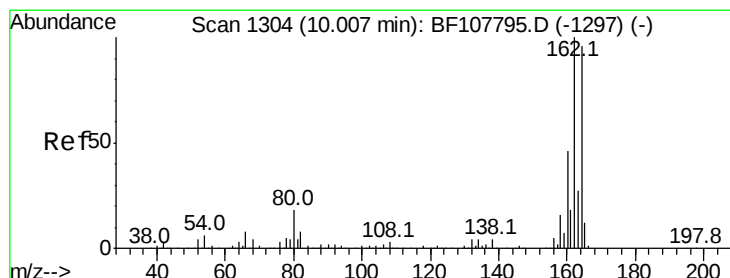
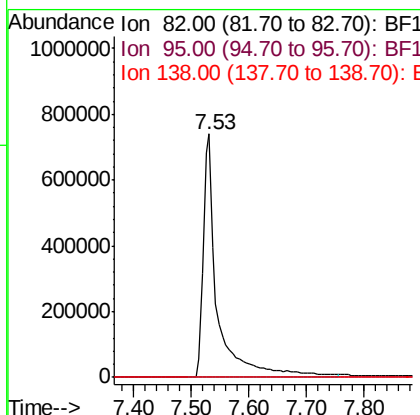
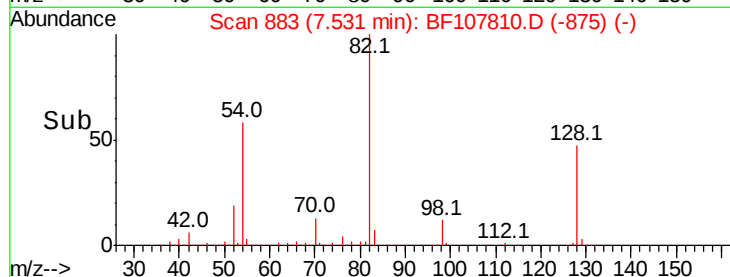
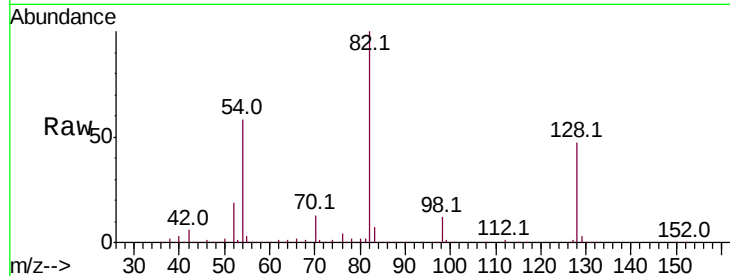




#25
Isophorone
Concen: 52.713 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

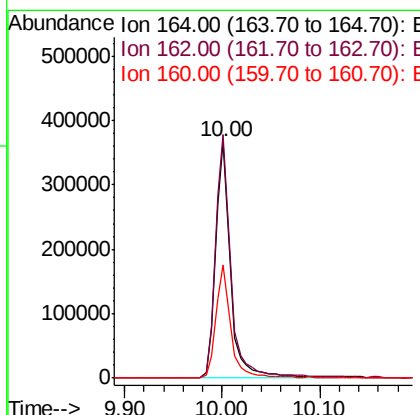
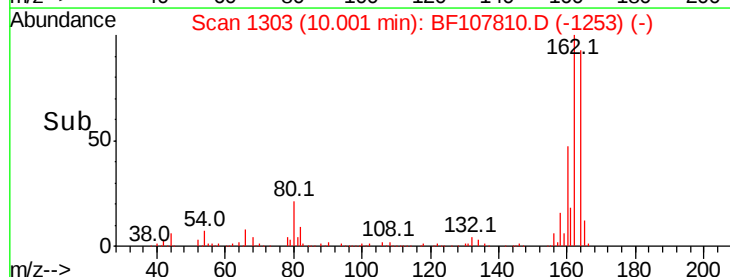
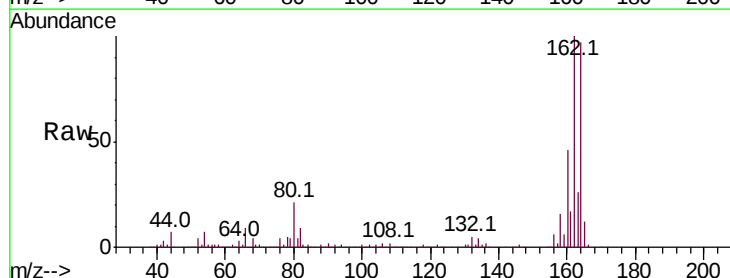
Instrument :
BNA_F
ClientSampled :

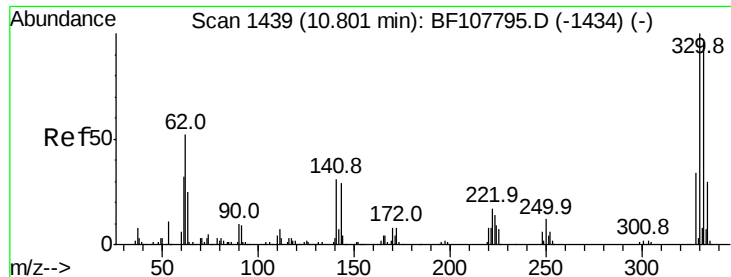
Tot Ion: 82 Resp: 1291265
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Tgt Ion:164 Resp: 394074
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 47.8 38.3 57.5

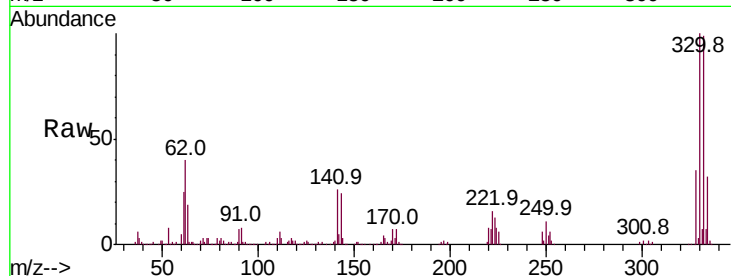




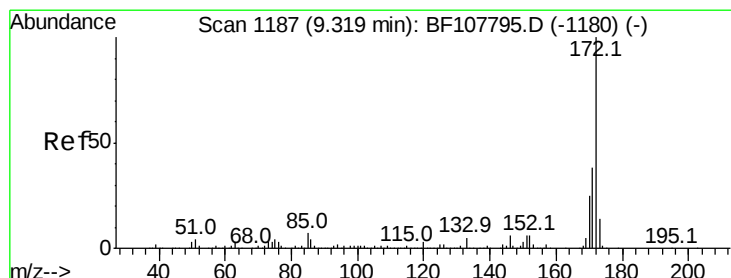
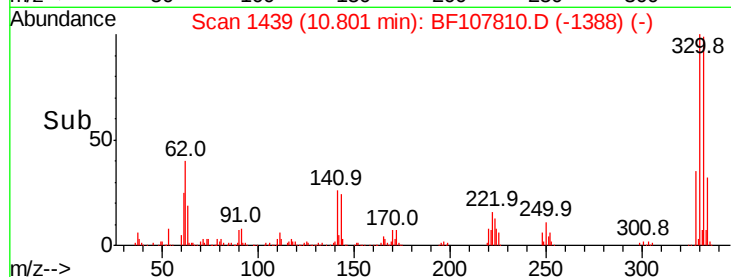
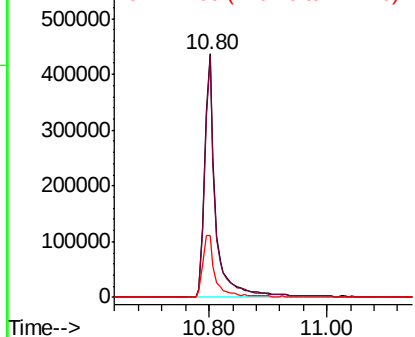
#41
 2,4,6-Tribromophenol
 Concen: 108.176 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107810.D
 Acq: 30 Jul 2018 19:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 579248
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 28.7 29.9 44.9#

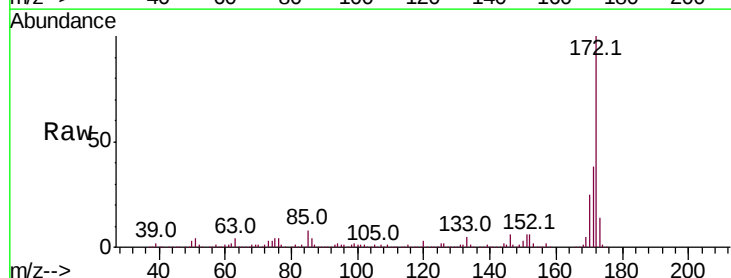


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

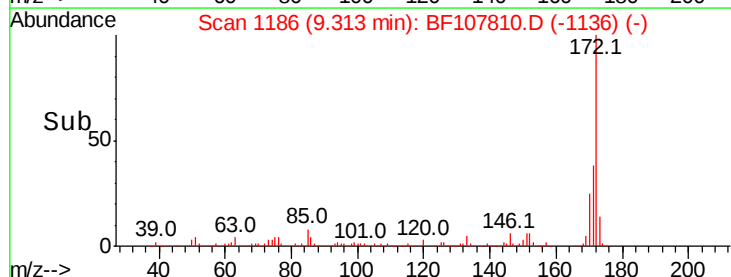
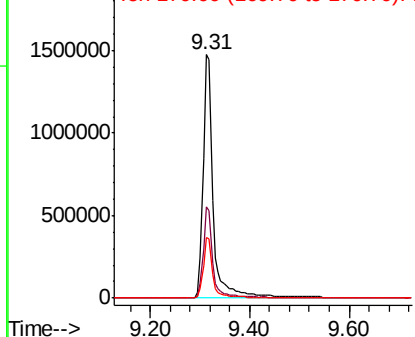


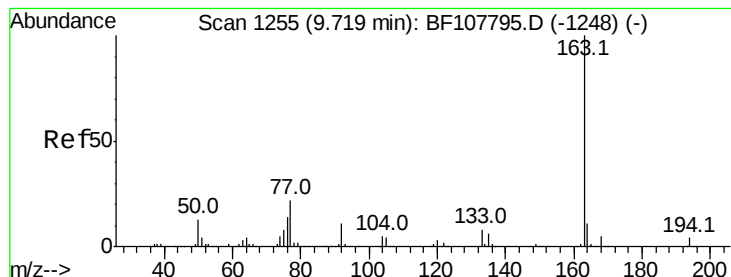
#44
 2-Fluorobiphenyl
 Concen: 74.367 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107810.D
 Acq: 30 Jul 2018 19:53

Tgt Ion:172 Resp: 2103086
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.7 44.5
 170 24.9 19.6 29.4



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





#49

Dimethylphthalate

Concen: 5.830 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

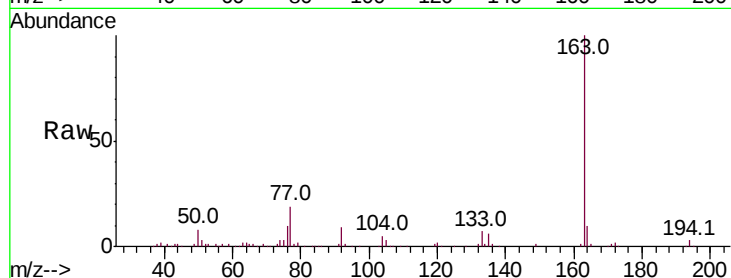
Tot Ion:163 Resp: 172546

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

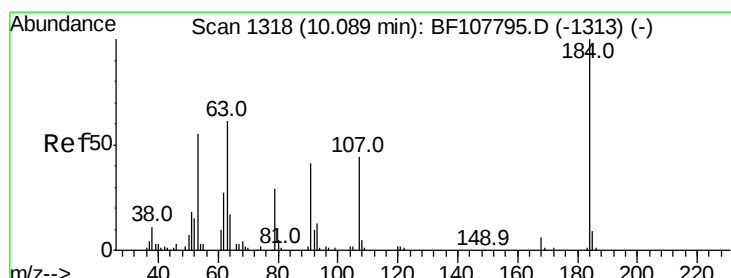
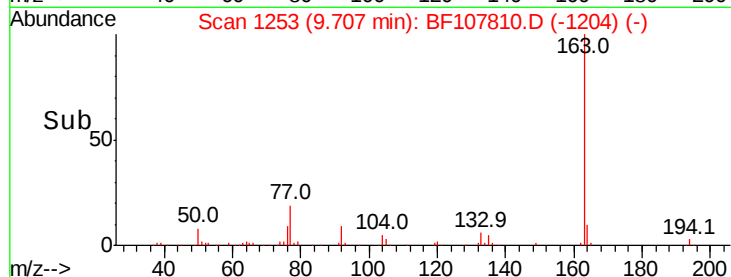
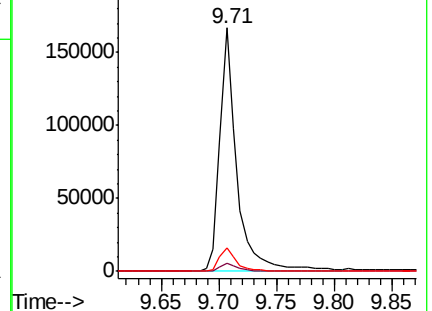
164 9.8 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.469 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.11 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

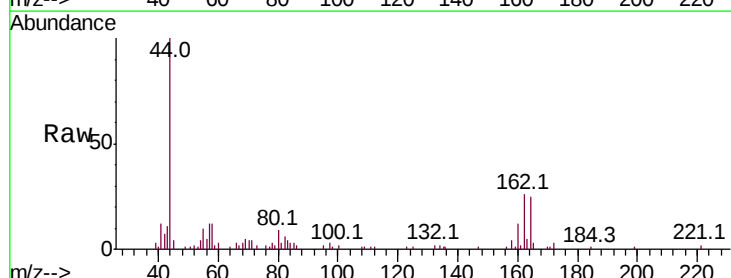
Tgt Ion:184 Resp: 110

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

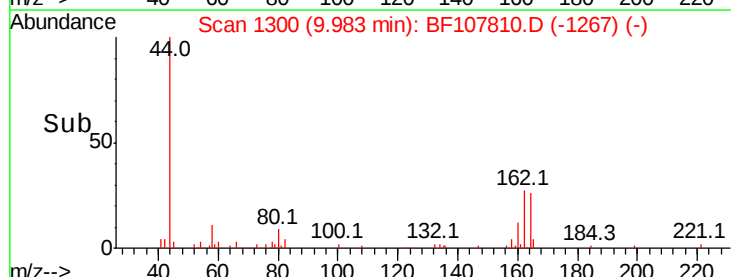
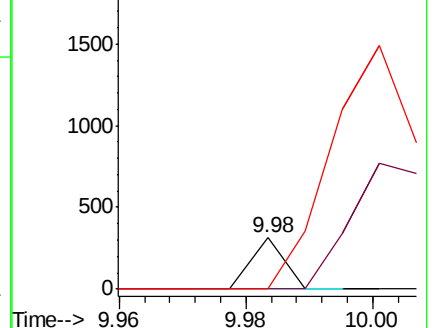
154 0.0 184.0 276.0#

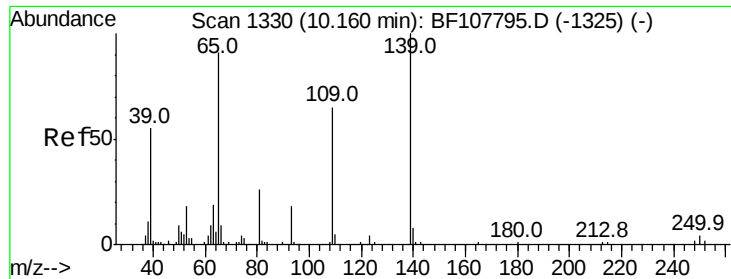


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 9.344 ng

RT: 10.08 min Scan# 1316

Delta R.T. -0.08 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

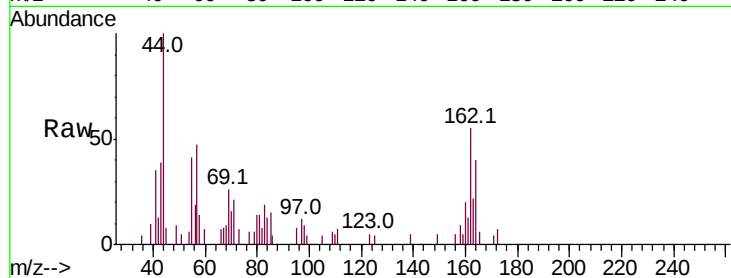
Tot Ion:139 Resp: 137

Ion Ratio Lower Upper

139 100

109 120.9 48.4 88.4#

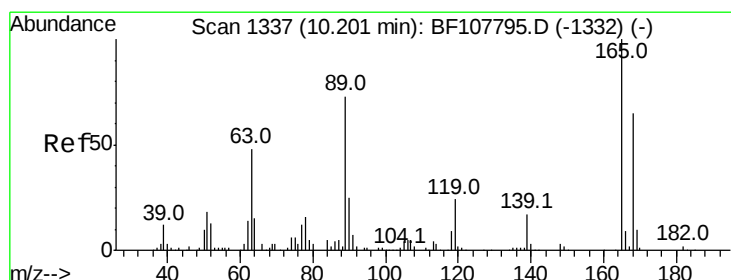
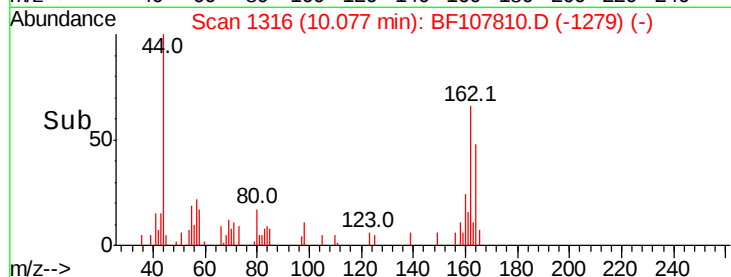
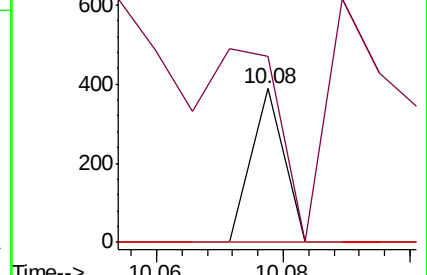
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 5.804 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

Tgt Ion:165 Resp: 49066

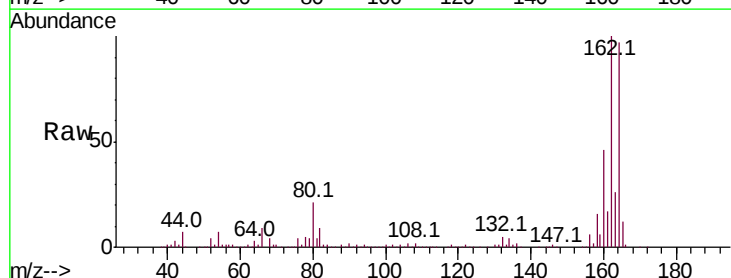
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 2.1 57.8 86.6#

182 0.0 1.6 2.4#

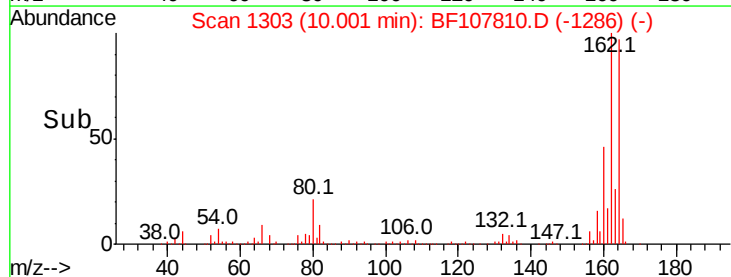
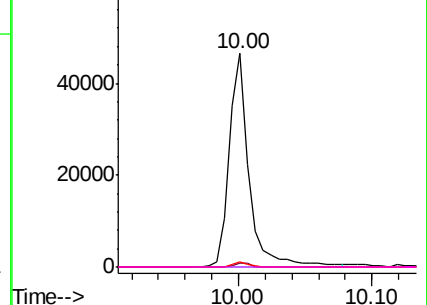


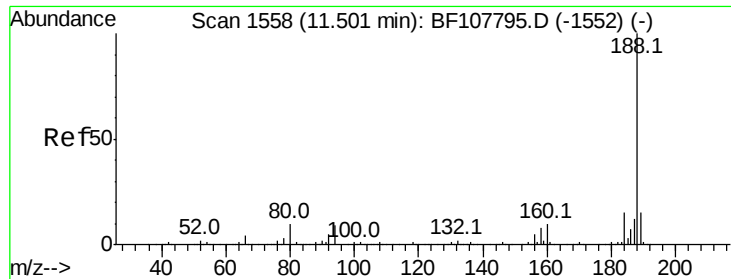
Abundance Ion 165.00 (164.70 to 165.70): E

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

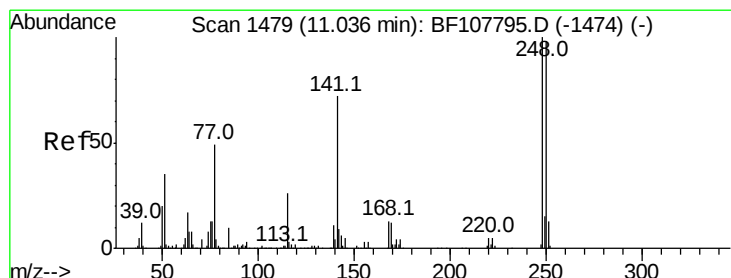
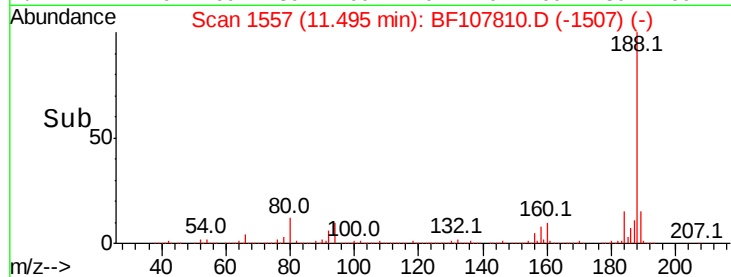
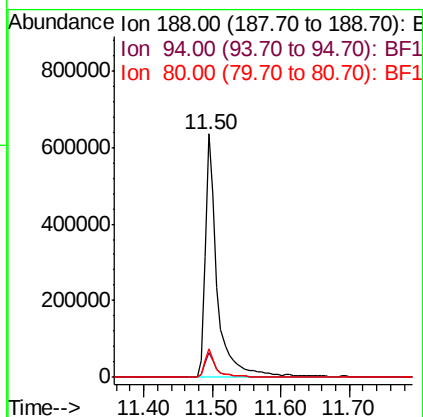
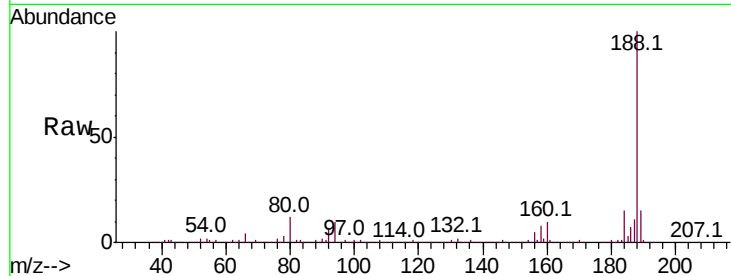




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

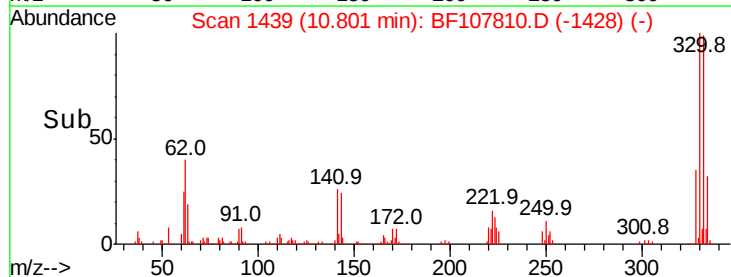
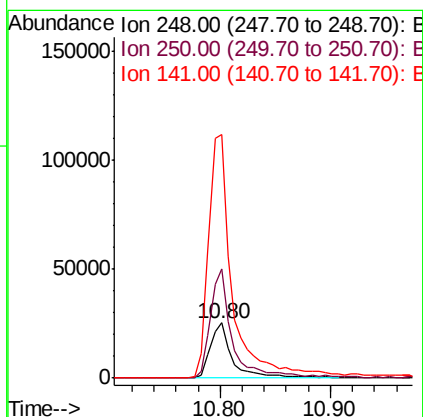
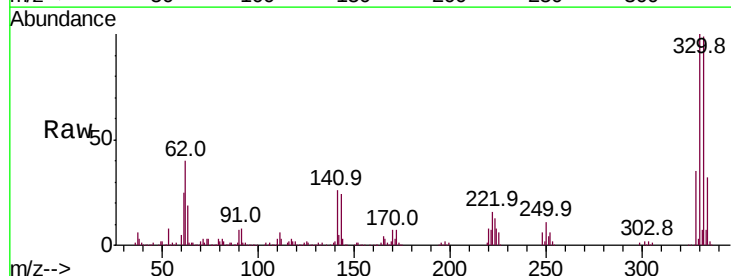
Instrument :
BNA_F
ClientSampleId :

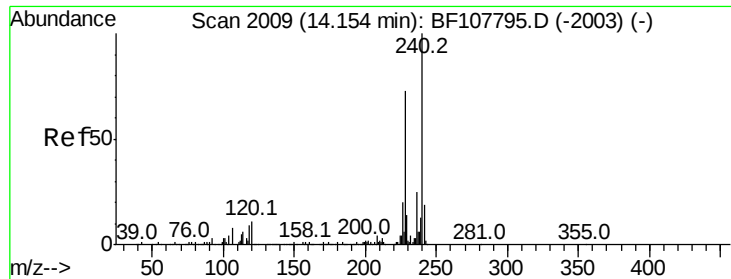
Tot Ion:188 Resp: 803336
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.662 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Tgt Ion:248 Resp: 34292
Ion Ratio Lower Upper
248 100
250 197.4 76.9 115.3#
141 440.0 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

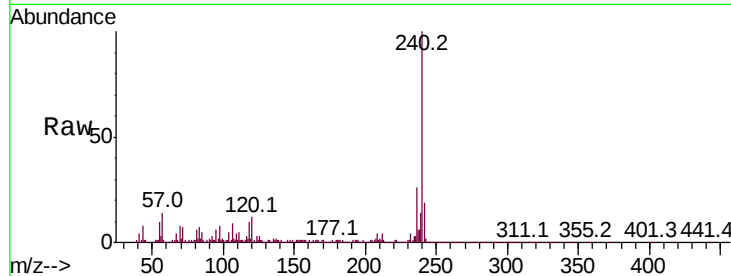
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 560237

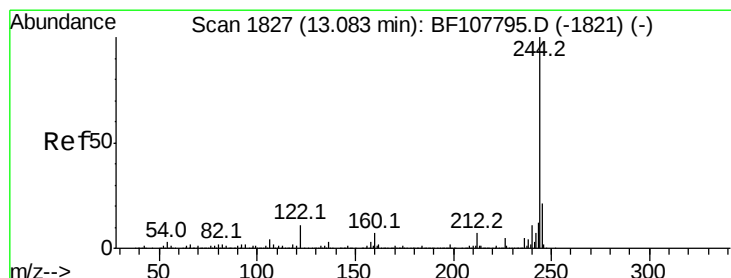
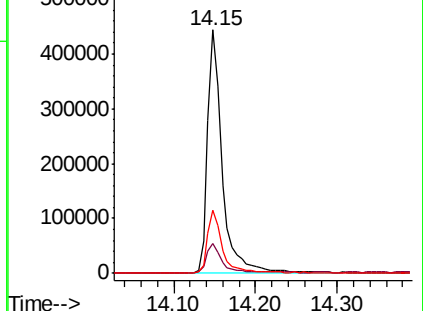
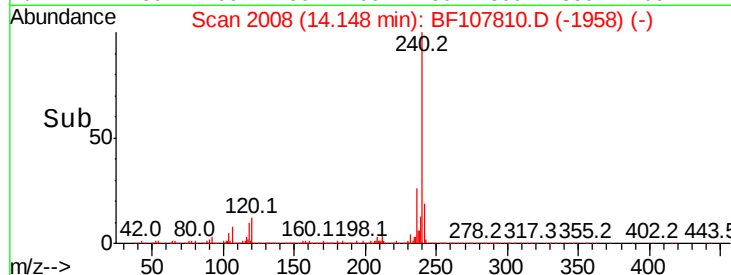
Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	25.9	20.7	31.1



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



#78

Terphenyl-d14

Concen: 73.129 ng

RT: 13.08 min Scan# 1827

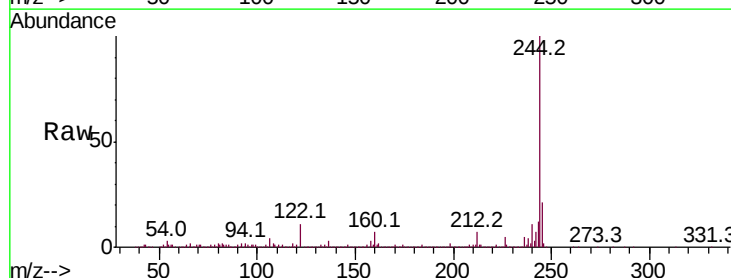
Delta R.T. 0.00 min

Lab File: BF107810.D

Acq: 30 Jul 2018 19:53

Tgt Ion:244 Resp: 1889361

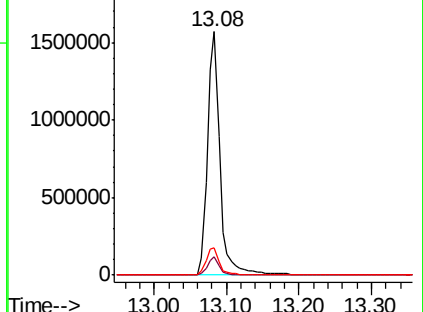
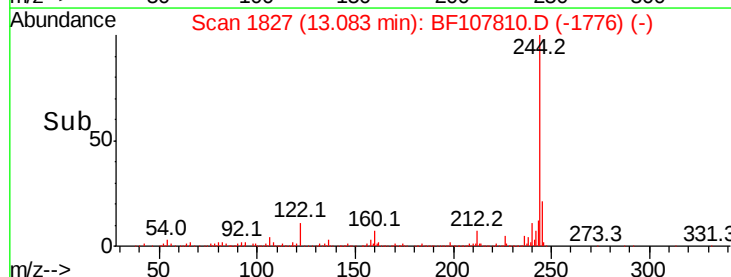
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.5	11.0	16.4

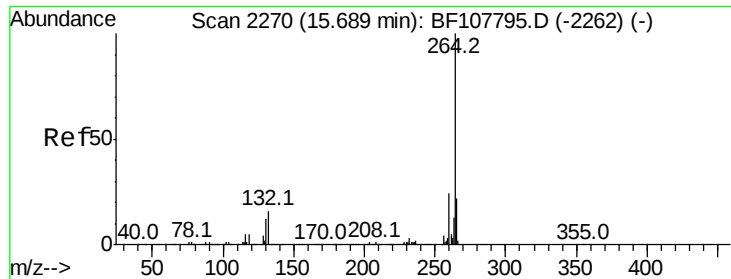


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

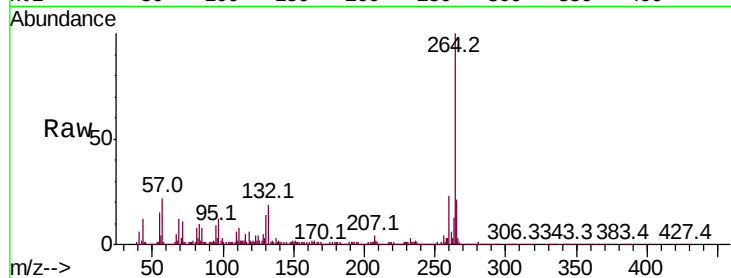




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107810.D
Acq: 30 Jul 2018 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3



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

