

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109894.D
 Acq On : 15 Oct 2018 22:08
 Operator : JU/SJ
 Sample : J5509-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:25:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

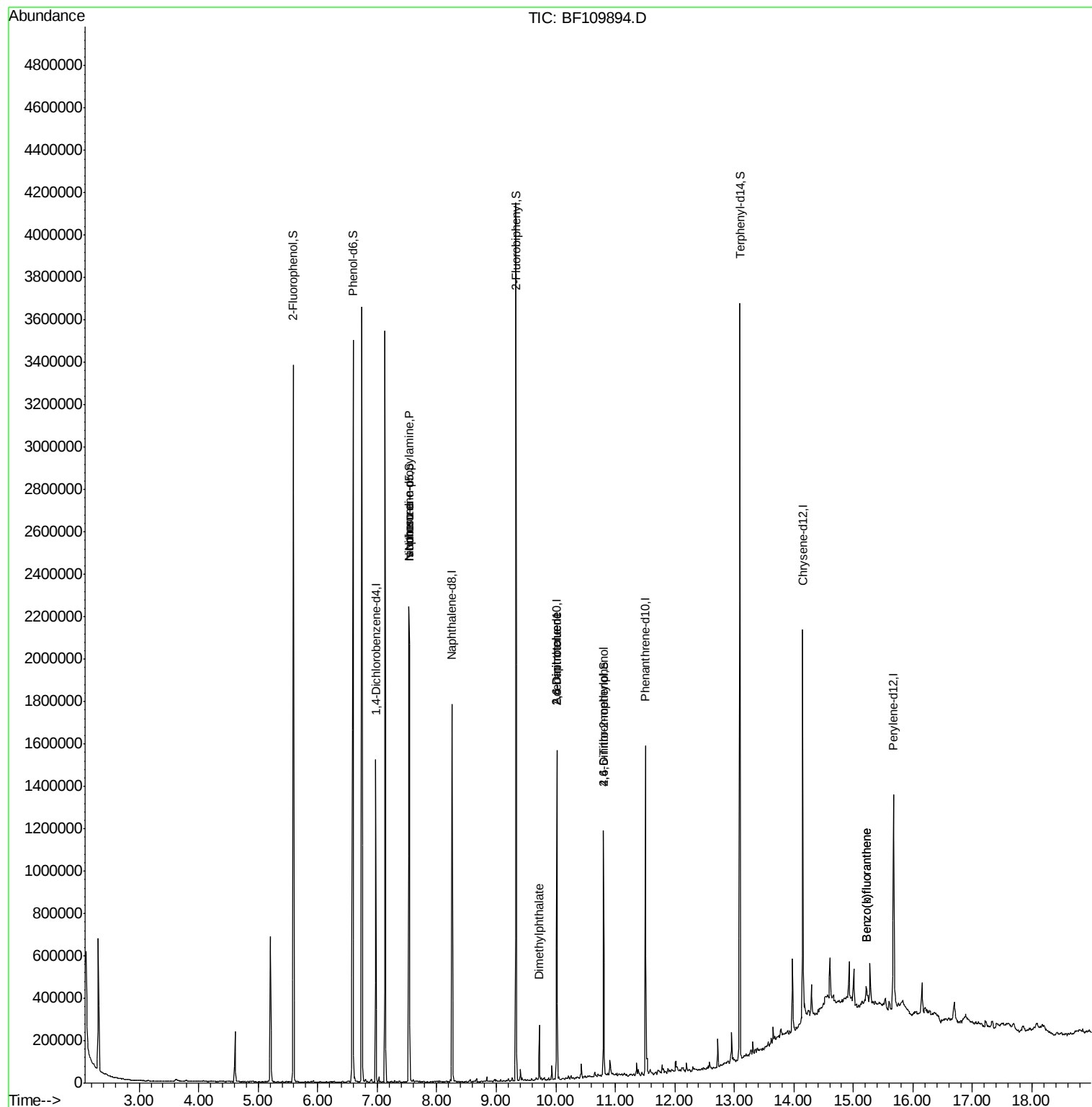
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	226195	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	799365	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	295952	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	505099	20.00	ng	0.00
76) Chrysene-d12	14.15	240	571989	20.00	ng	0.00
87) Perylene-d12	15.67	264	435020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	902987	63.28	ng	0.00
7) Phenol-d6	6.59	99	1205421	68.03	ng	0.00
23) Nitrobenzene-d5	7.53	82	699400	58.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	112089	43.75	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1162750	62.69	ng	0.00
79) Terphenyl-d14	13.09	244	1103706	40.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	90950	7.994	ng	# 82
25) Isophorone	7.53	82	699385	29.996	ng	# 67
50) Dimethylphthalate	9.72	163	82299	3.927	ng	# 99
51) 2,6-Dinitrotoluene	10.02	165	38361	9.638	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	38361	11.484	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	259	8.023	ng	# 1
88) Benzo(b)fluoranthene	15.22	252	53023	2.114	ng	# 84
89) Benzo(k)fluoranthene	15.22	252	53023	2.145	ng	# 84

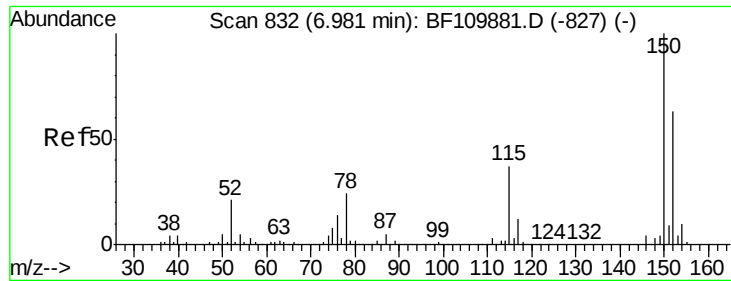
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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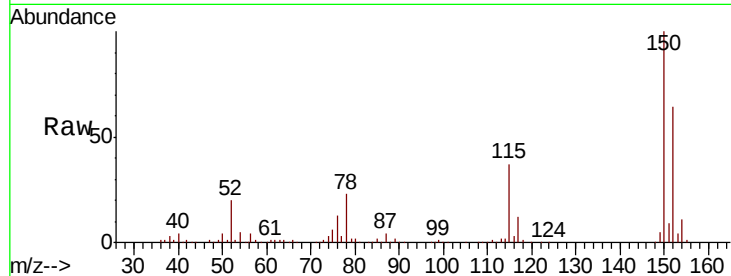


#1

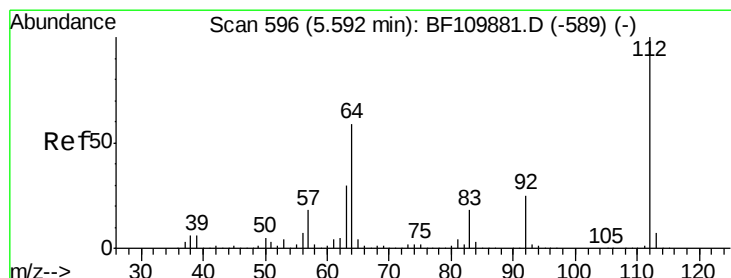
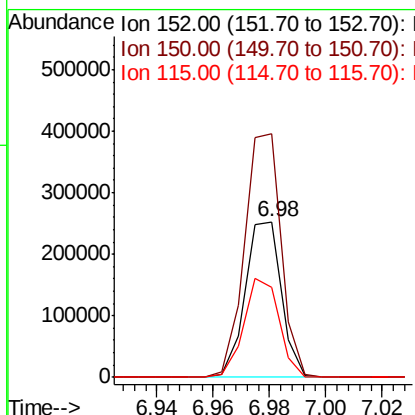
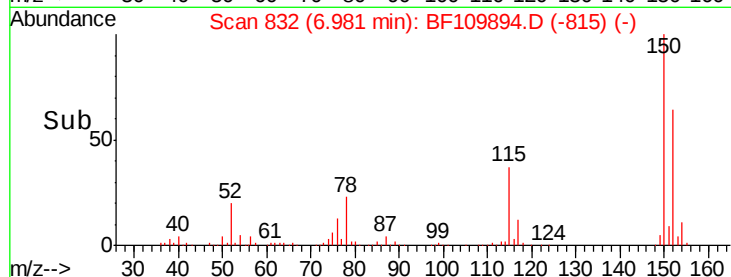
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 226195
Ion Ratio Lower Upper
152 100
150 156.2 122.7 184.1
115 57.5 49.1 73.7



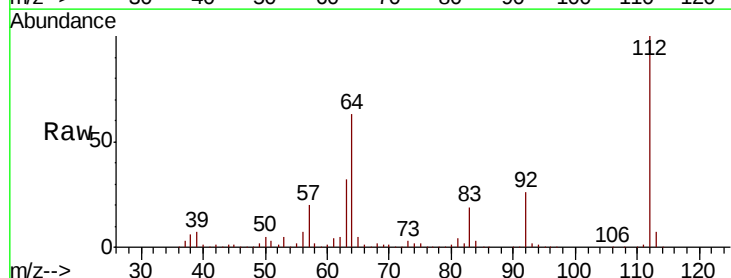
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



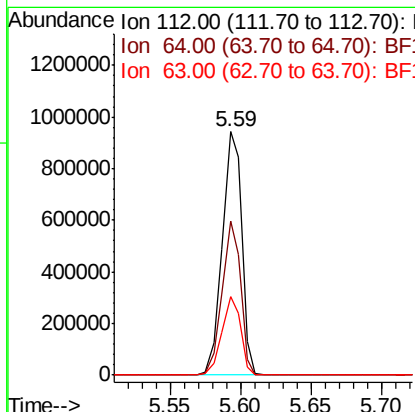
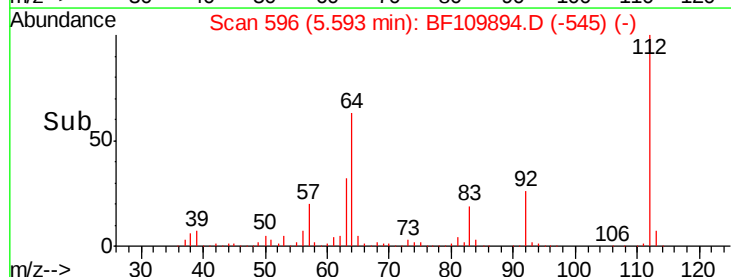
#5

2-Fluorophenol
Concen: 63.280 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Tgt Ion:112 Resp: 902987
Ion Ratio Lower Upper
112 100
64 63.1 44.1 66.1
63 32.4 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: 68.029 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF109894.D

Acq: 15 Oct 2018 22:08

Instrument :

BNA_F

ClientSampleId :

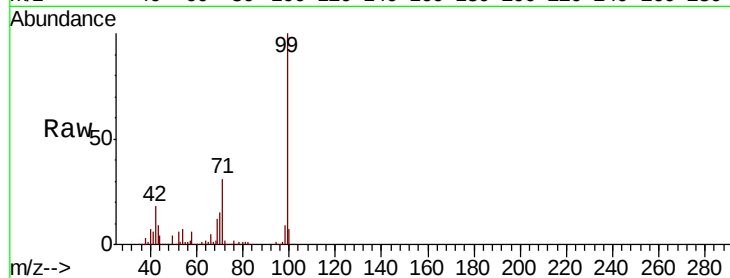
Tot Ion: 99 Resp: 1205421

Ion Ratio Lower Upper

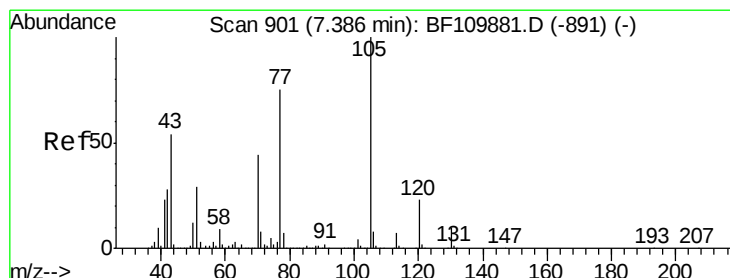
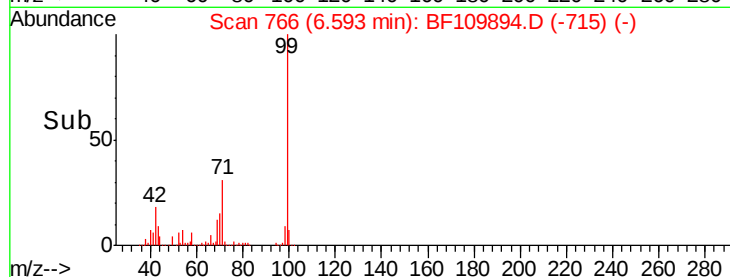
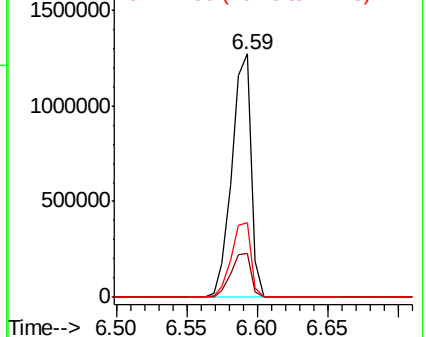
99 100

42 17.9 15.8 23.6

71 30.7 28.0 42.0



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: 7.994 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF109894.D

Acq: 15 Oct 2018 22:08

Tgt Ion: 70 Resp: 90950

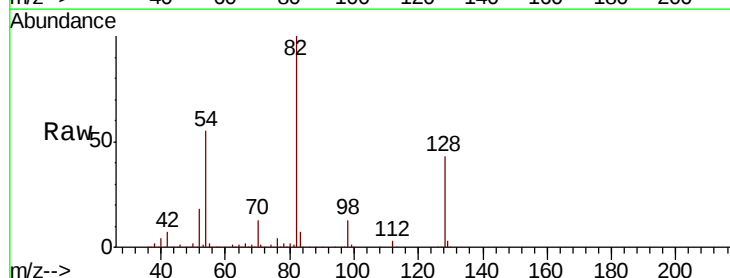
Ion Ratio Lower Upper

70 100

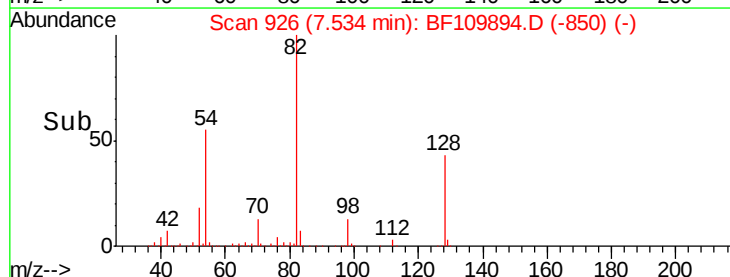
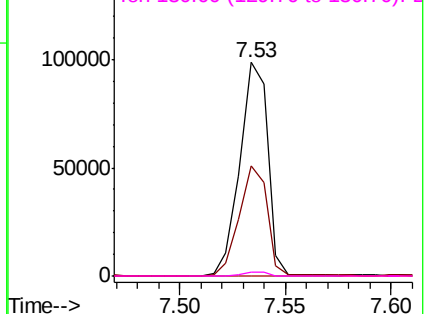
42 51.8 47.4 71.2

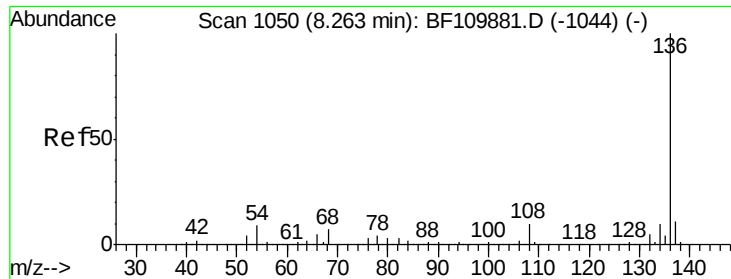
101 0.0 7.3 10.9#

130 2.0 16.2 24.2#



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

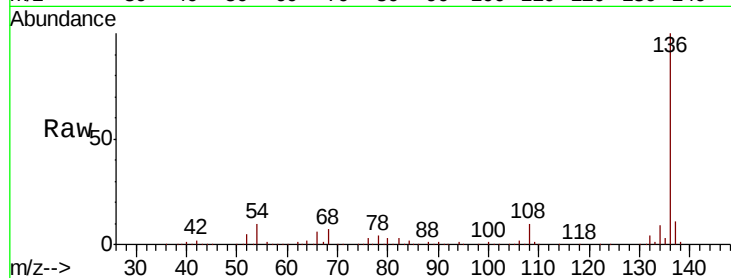




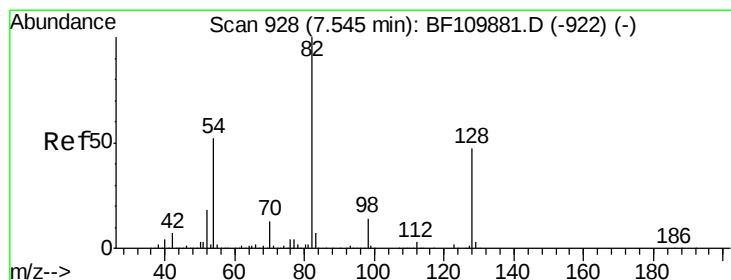
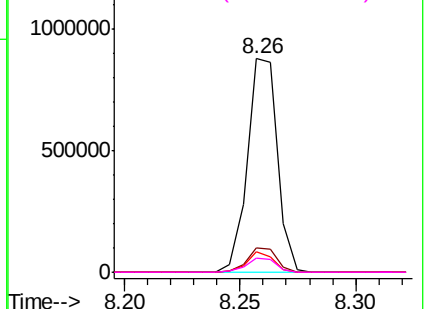
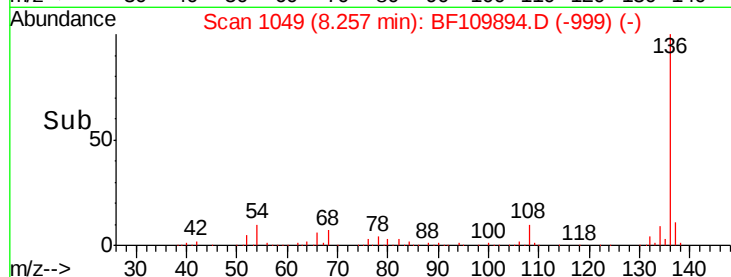
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	799365
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	9.6	5.4 8.2#
68	6.9	4.2 6.2#

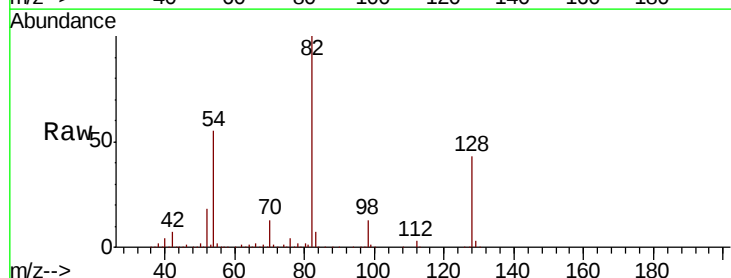


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

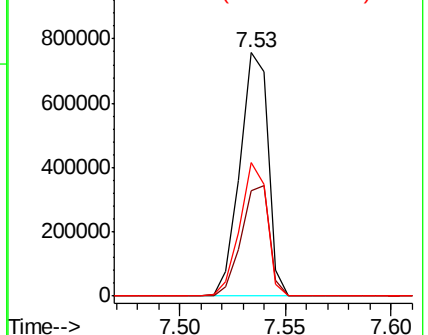
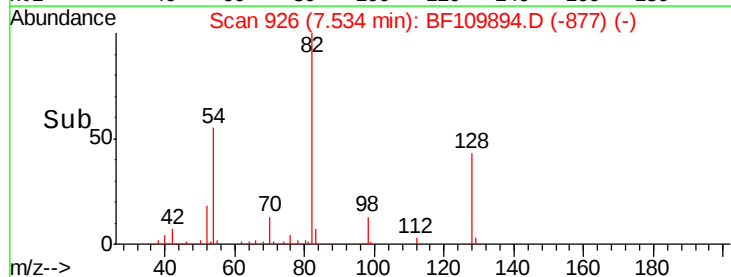


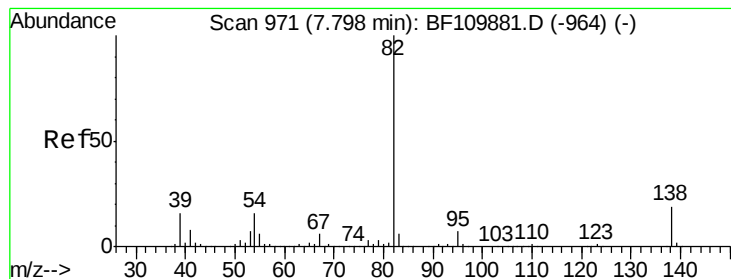
#23
Nitrobenzene-d5
Concen: 58.940 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Tgt Ion: 82	Resp:	699400
Ion Ratio	Lower	Upper
82	100	
128	43.2	34.2 51.2
54	54.8	38.6 58.0



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





#25

Isophorone

Concen: 29.996 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF109894.D

Acq: 15 Oct 2018 22:08

Instrument :

BNA_F

ClientSampled :

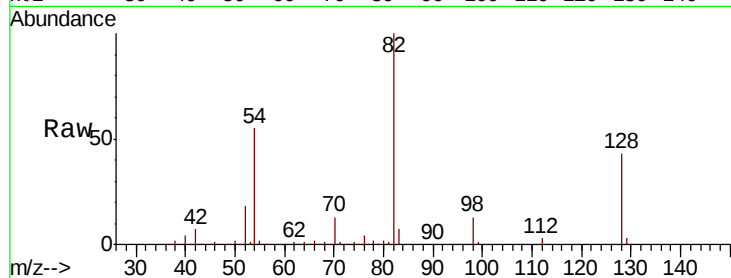
Tot Ion: 82 Resp: 699385

Ion Ratio Lower Upper

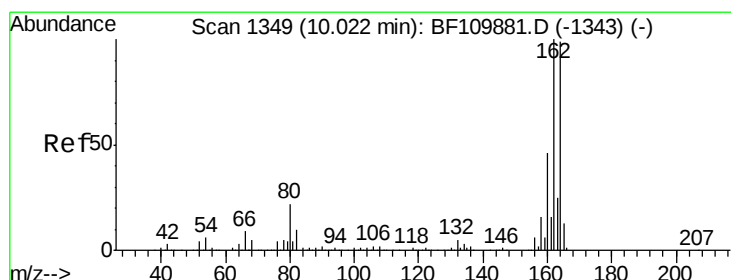
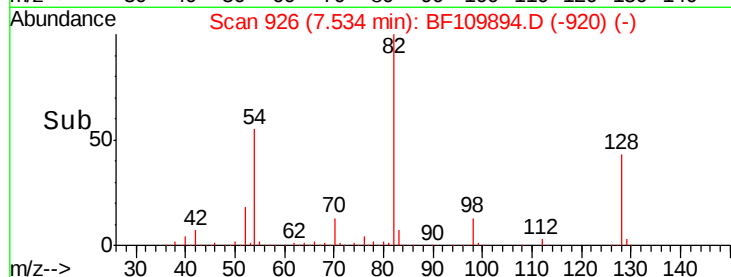
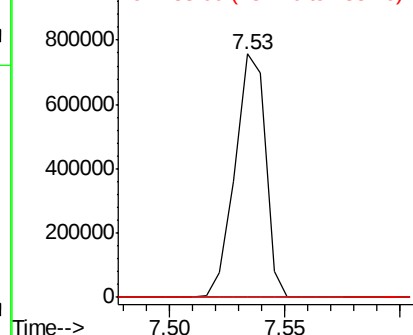
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF109894.D

Acq: 15 Oct 2018 22:08

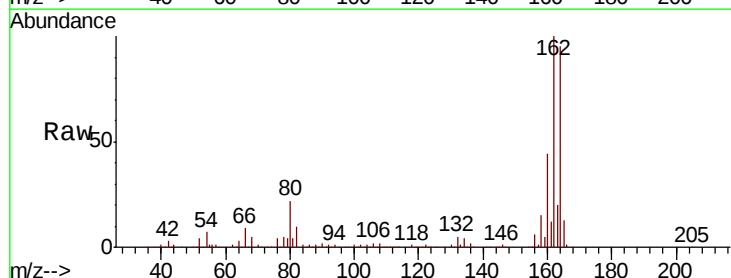
Tgt Ion: 164 Resp: 295952

Ion Ratio Lower Upper

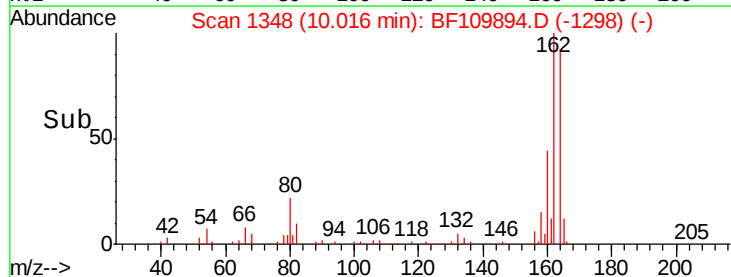
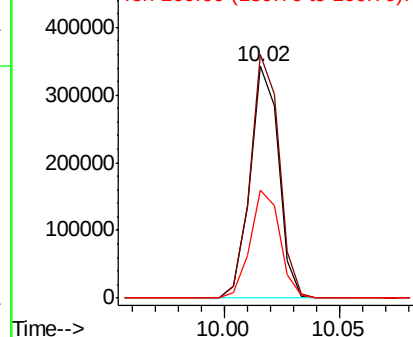
164 100

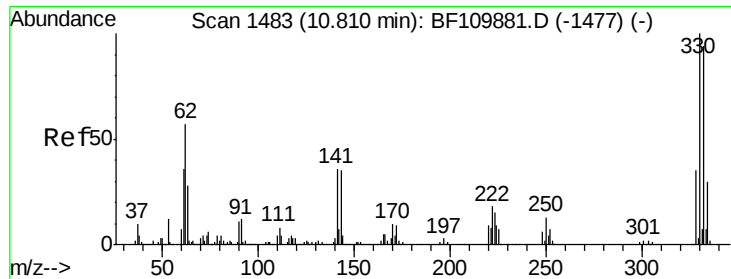
162 105.0 83.0 124.6

160 46.6 37.0 55.6



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: 43.746 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF109894.D

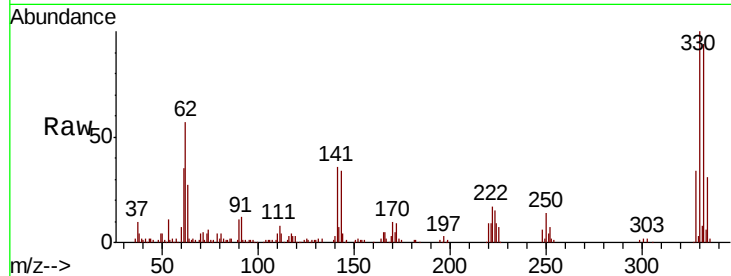
Acq: 15 Oct 2018 22:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	112089
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	37.4	27.0	40.4

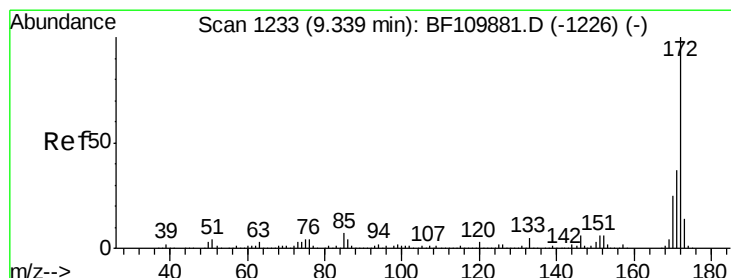
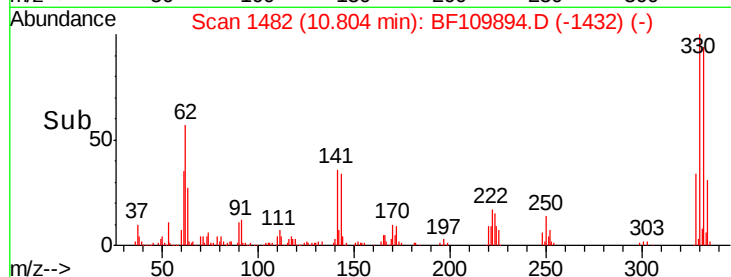
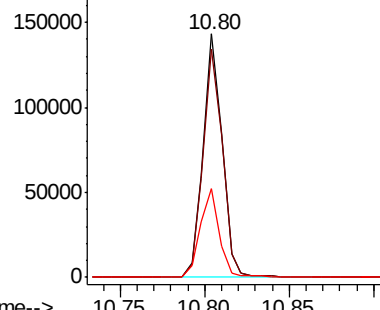


Abundance

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: 62.691 ng

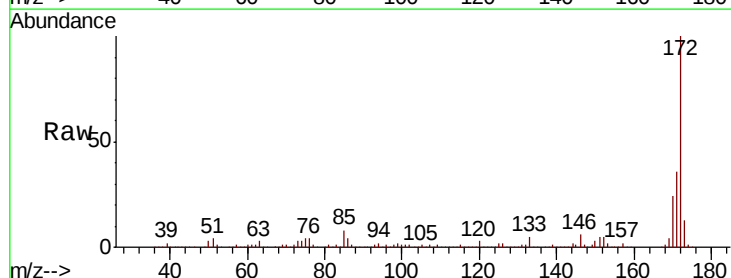
RT: 9.33 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BF109894.D

Acq: 15 Oct 2018 22:08

Tgt Ion:	172	Resp:	1162750
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.6	19.7	29.5

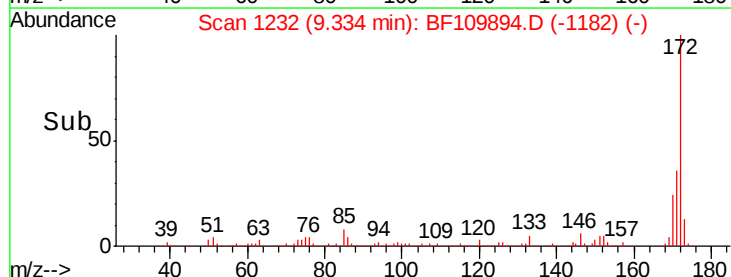
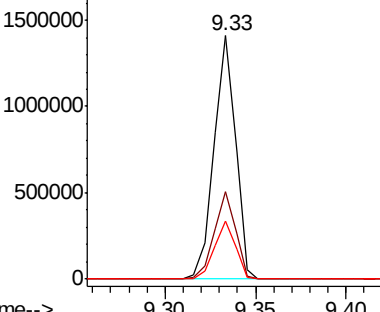


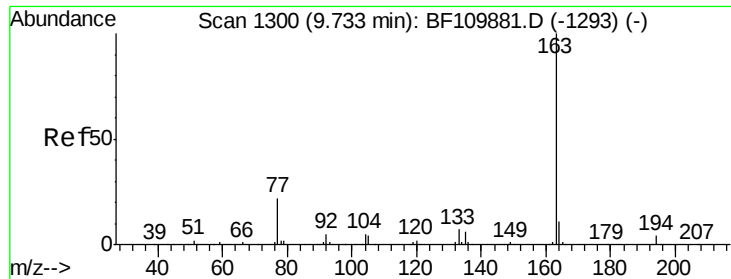
Abundance

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

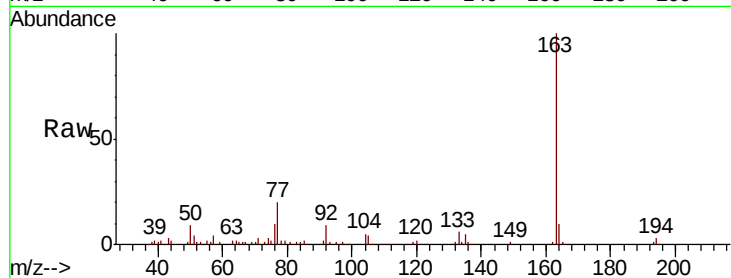




#50
Dimethylphthalate
Concen: 3.927 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.2	4.8
164	10.2	8.1	12.1

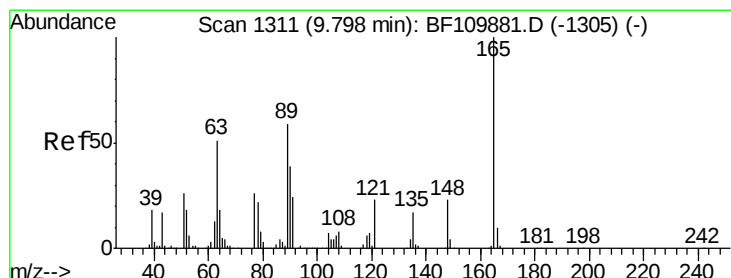
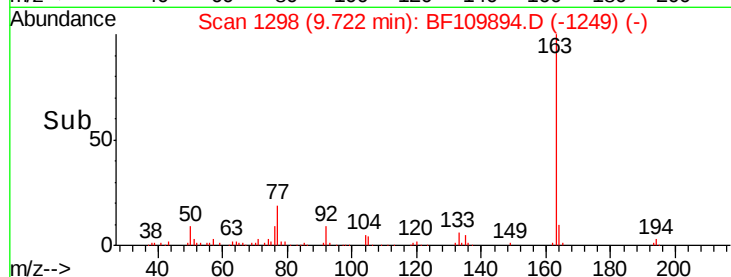
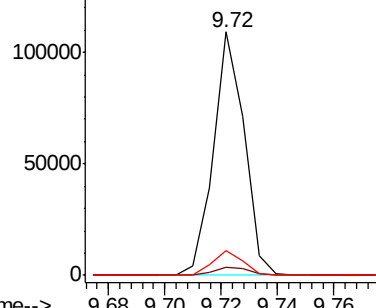


Abundance

Ion 163.00 (162.70 to 163.70): E

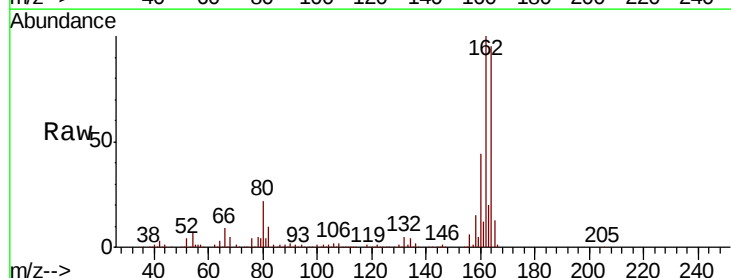
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.638 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.22 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	48.9	73.3#
89	1.5	46.6	69.8#

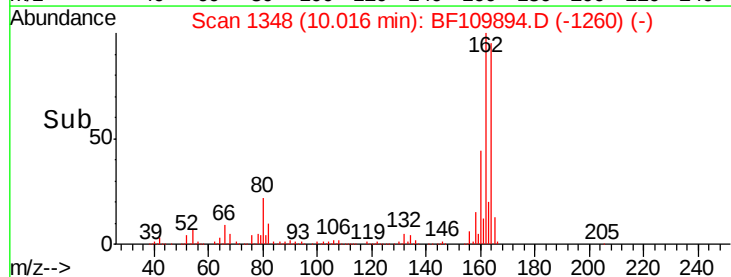
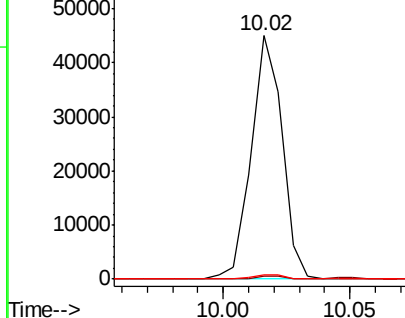


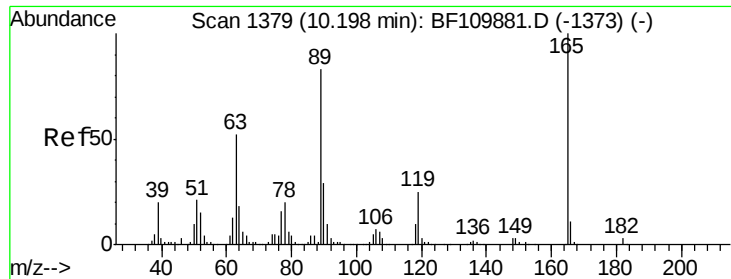
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

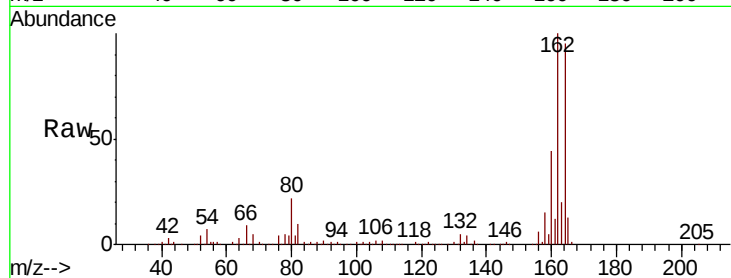




#57
 2,4-Dinitrotoluene
 Concen: 11.484 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF109894.D
 Acq: 15 Oct 2018 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#

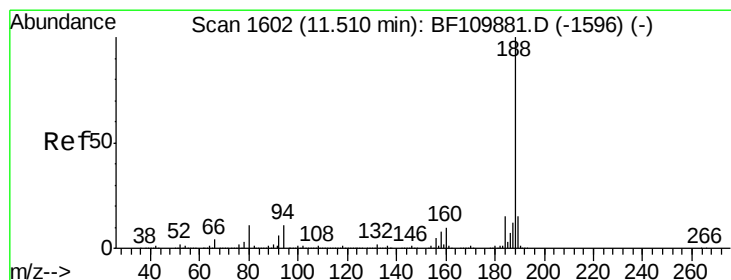
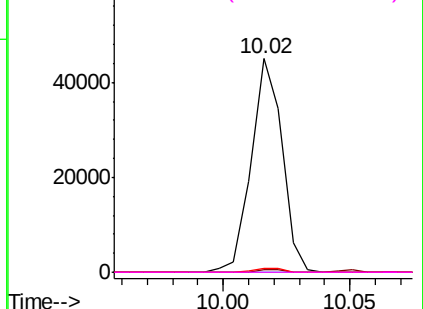
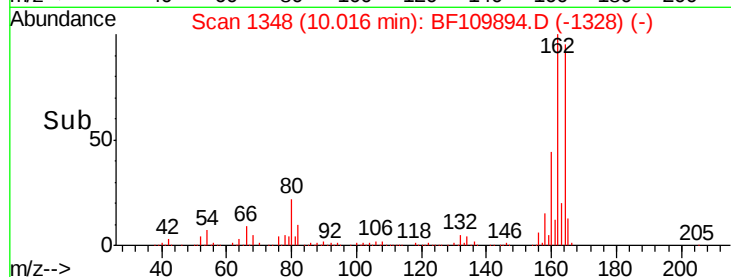


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

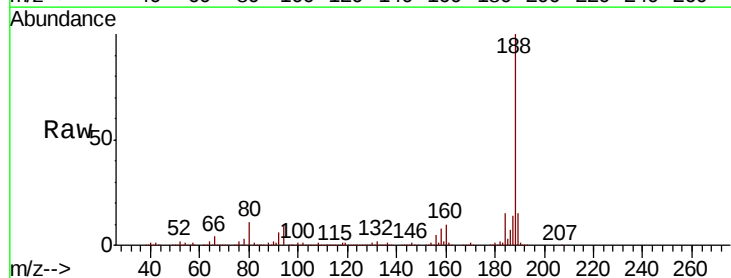
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF109894.D
 Acq: 15 Oct 2018 22:08

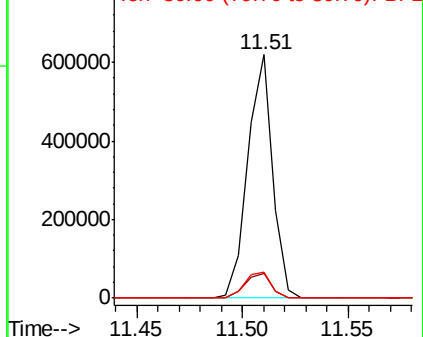
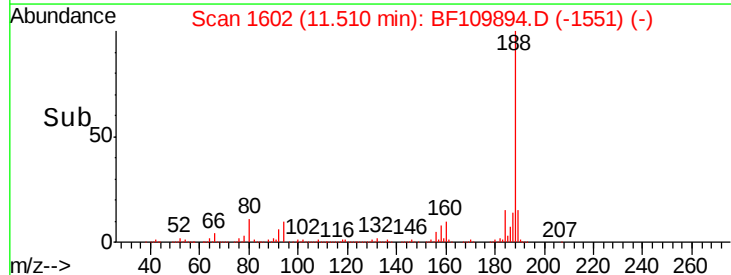
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.2	10.8
80	10.7	7.9	11.9

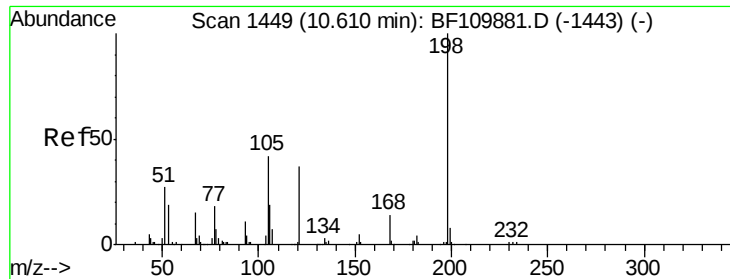


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

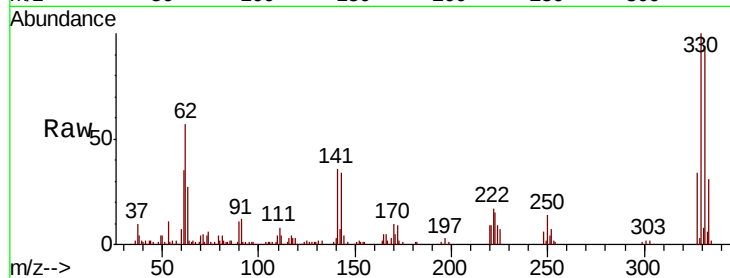




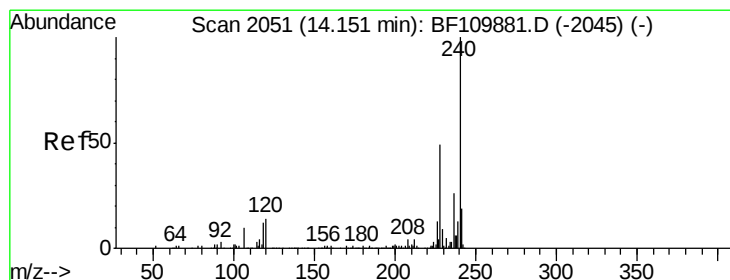
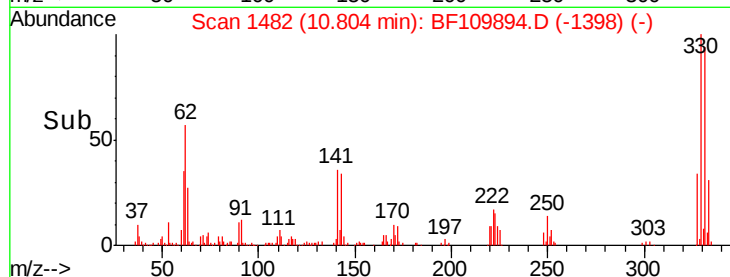
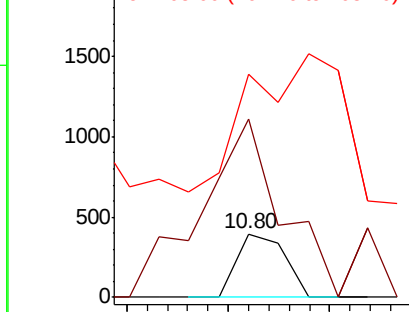
#65
4,6-Dinitro-2-methylphenol
Concen: 8.023 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 259
Ion Ratio Lower Upper
198 100
51 281.2 22.8 62.8#
105 352.8 23.6 63.6#

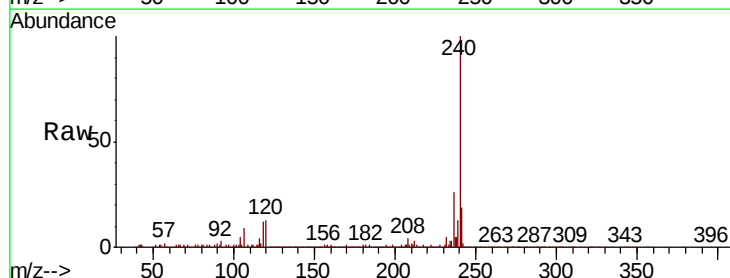


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

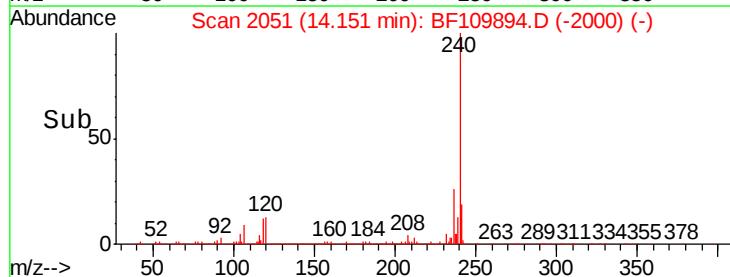
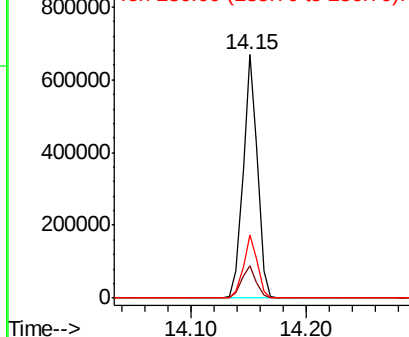


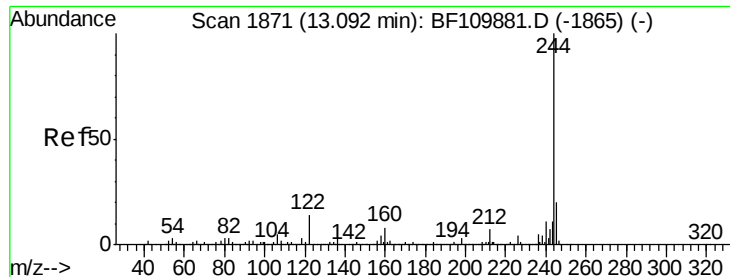
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Tgt Ion:240 Resp: 571989
Ion Ratio Lower Upper
240 100
120 13.4 8.3 12.5#
236 25.8 21.2 31.8



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

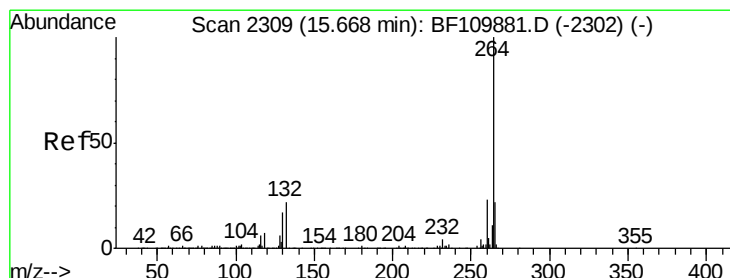
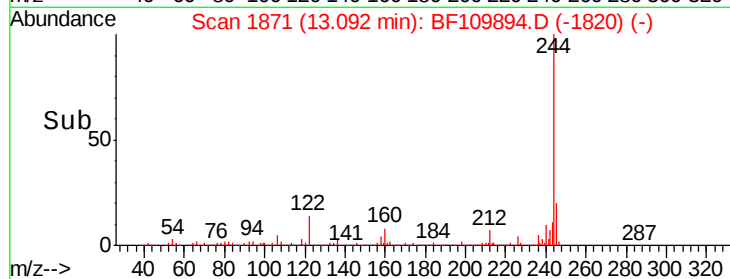
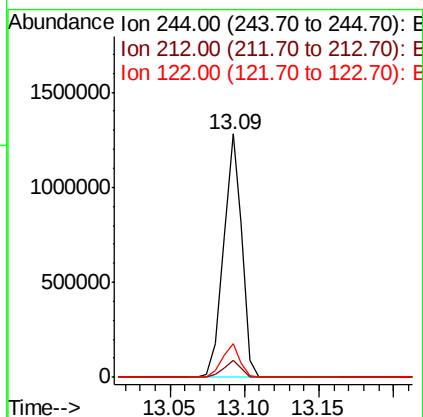
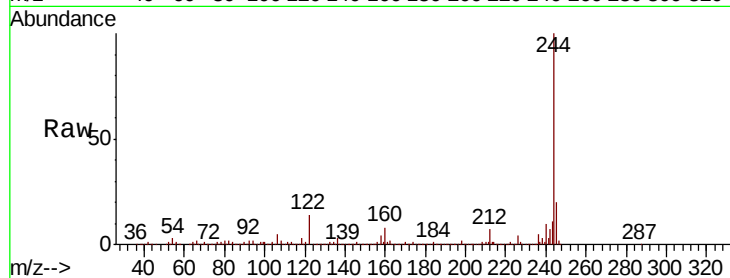




#79
 Terphenyl-d14
 Concen: 40.520 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF109894.D
 Acq: 15 Oct 2018 22:08

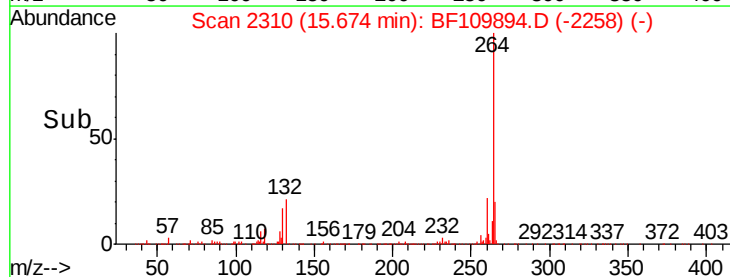
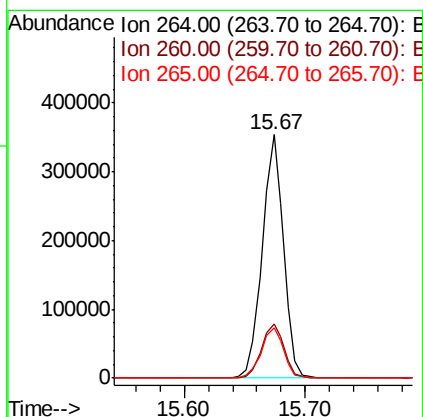
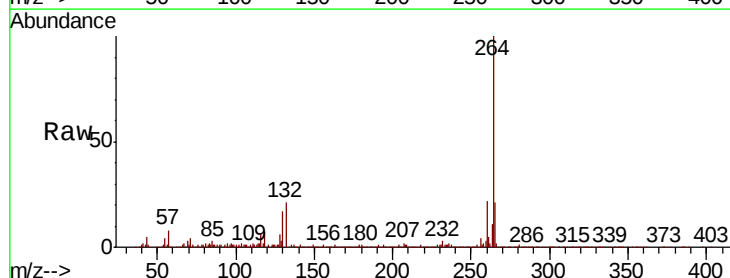
Instrument :
 BNA_F
 ClientSampleId :

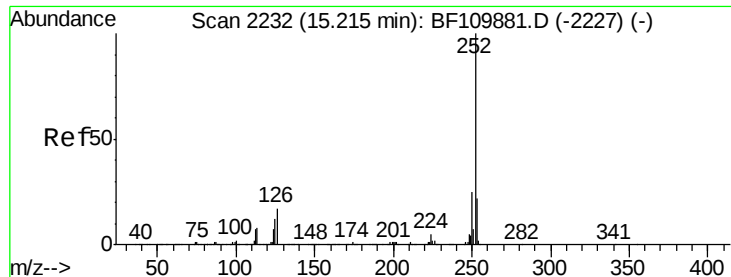
Tot Ion:244 Resp: 1103706
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 13.6 8.7 13.1#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. 0.01 min
 Lab File: BF109894.D
 Acq: 15 Oct 2018 22:08

Tgt Ion:264 Resp: 435020
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.7 28.1
 265 20.5 16.7 25.1

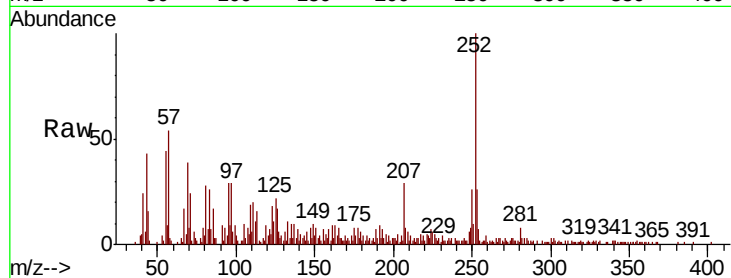




#88
Benzo(b)fluoranthene
Concen: 2.114 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	21.5	8.2	12.4#

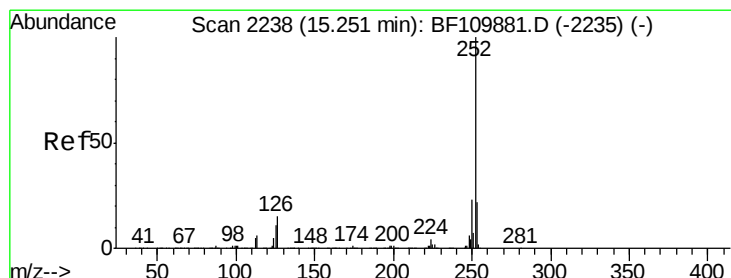
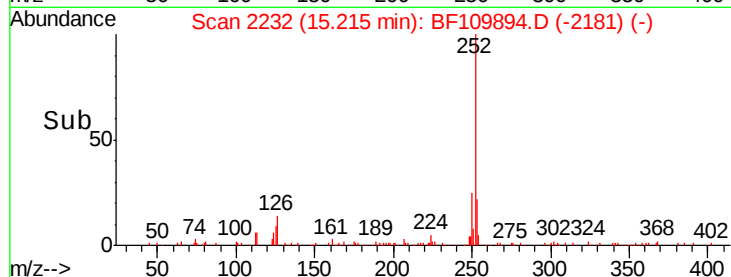
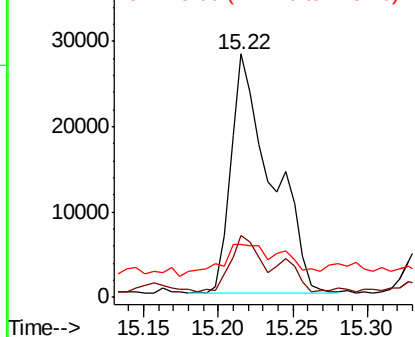


Abundance

Ion 252.00 (251.70 to 252.70): E

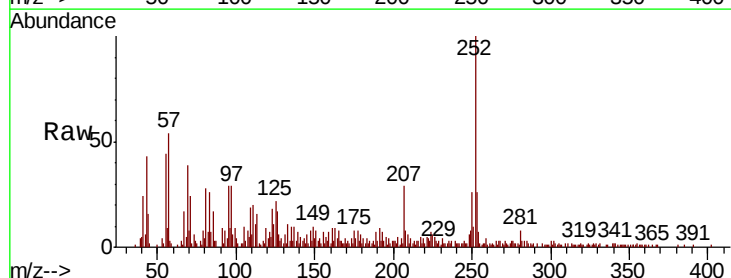
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.145 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF109894.D
Acq: 15 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	21.5	7.4	11.0#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

