

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110059.D
 Acq On : 22 Oct 2018 19:53
 Operator : JU/SJ
 Sample : J5604-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:10:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	192103	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	711151	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	278733	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	436396	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	350754	20.00	ng	-0.02
87) Perylene-d12	15.67	264	245953	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1167558	96.34	ng	0.00
7) Phenol-d6	6.59	99	1451902	96.48	ng	-0.01
23) Nitrobenzene-d5	7.53	82	826484	78.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	235773	97.70	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1160881	66.46	ng	-0.01
79) Terphenyl-d14	13.09	244	864280	51.74	ng	-0.02

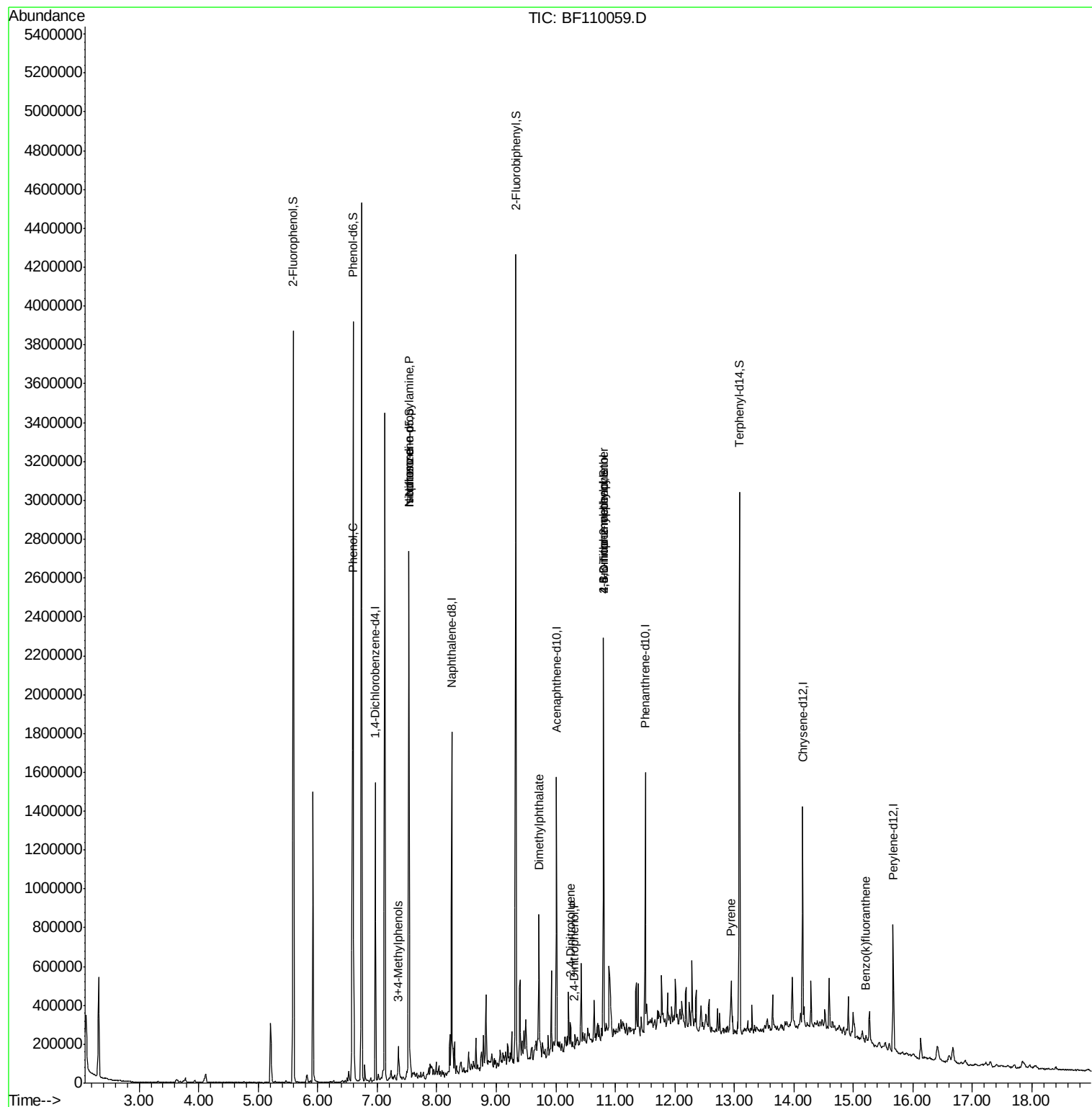
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	127101	7.823	ng	# 63
19) n-Nitroso-di-n-propylamine	7.53	70	114038	11.802	ng	# 80
20) 3+4-Methylphenols	7.36	107	40411	2.909	ng	# 76
25) Isophorone	7.53	82	826599	39.849	ng	# 67
50) Dimethylphthalate	9.72	163	169160	8.571	ng	100
54) 2,4-Dinitrophenol	10.30	184	124	9.001	ng	# 10
57) 2,4-Dinitrotoluene	10.25	165	1333	4.838	ng	# 58
65) 4,6-Dinitro-2-methylphenol	10.80	198	828	8.342	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	15464	3.270	ng	# 1
78) Pyrene	12.95	202	53997	2.096	ng	97
89) Benzo(k)fluoranthene	15.22	252	28373	2.030	ng	# 78

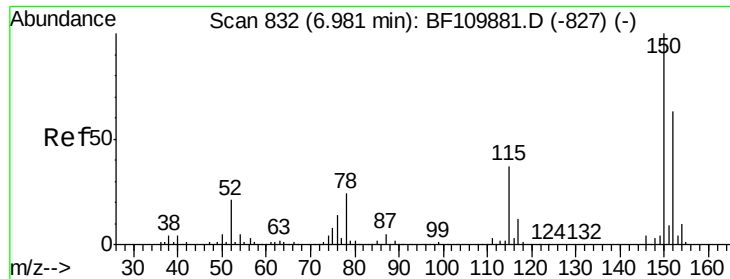
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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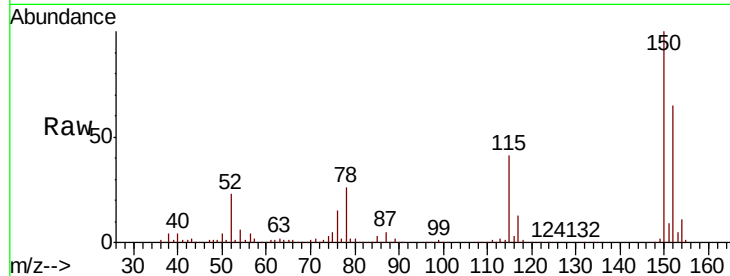


#1

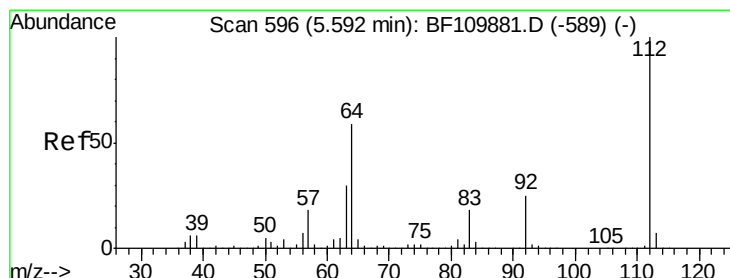
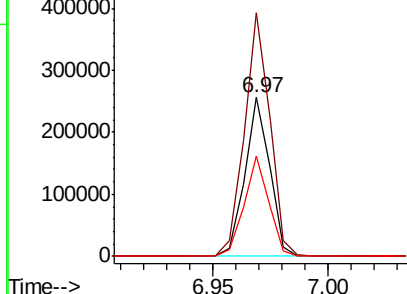
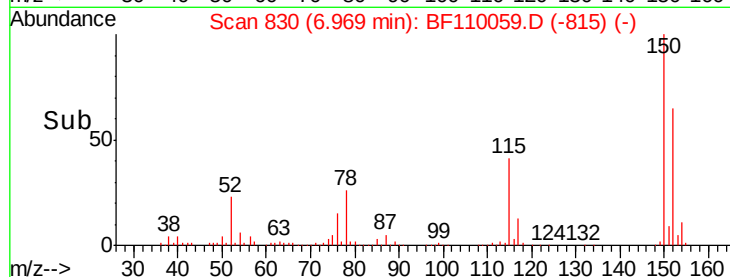
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 192103
Ion Ratio Lower Upper
152 100
150 153.2 122.7 184.1
115 62.9 49.1 73.7



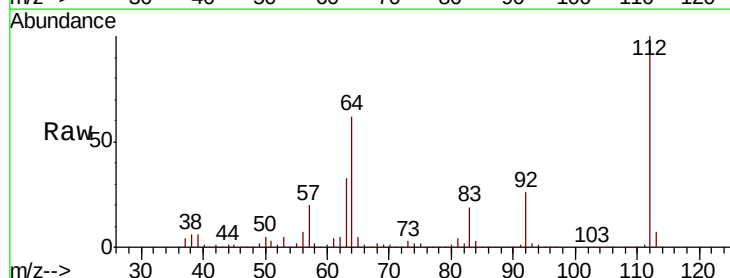
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



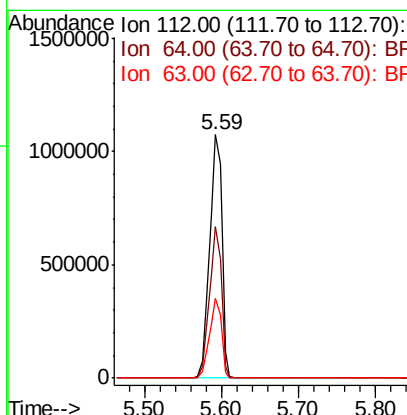
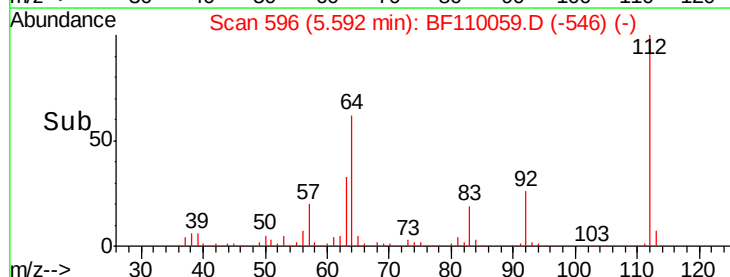
#5

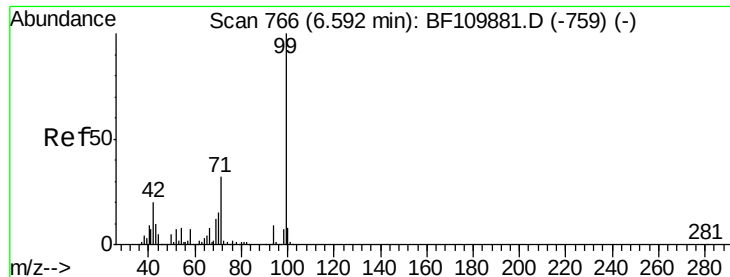
2-Fluorophenol
Concen: 96.341 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Tgt Ion:112 Resp: 1167558
Ion Ratio Lower Upper
112 100
64 62.4 44.1 66.1
63 32.9 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: 96.481 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

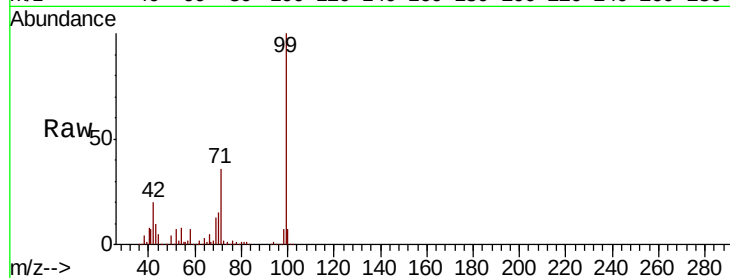
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1451902

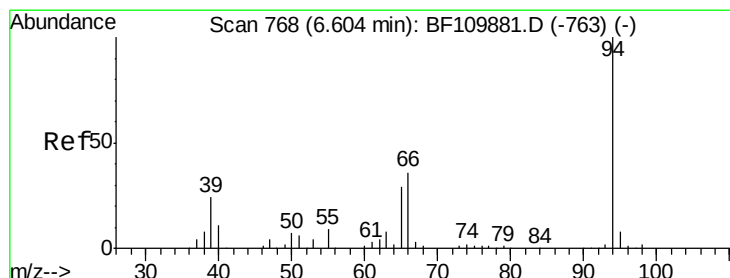
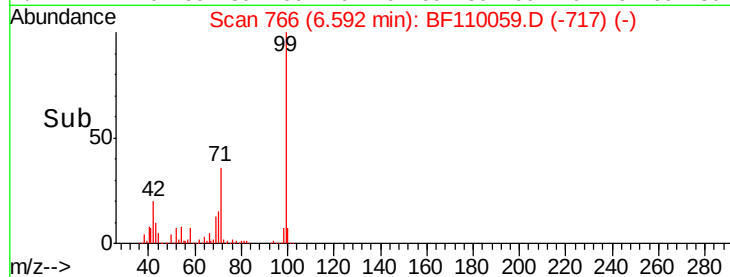
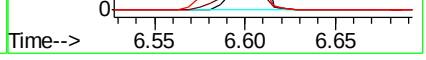
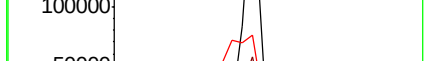
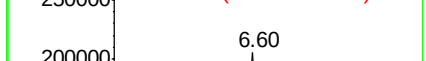
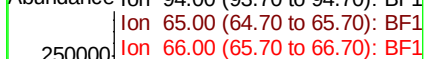
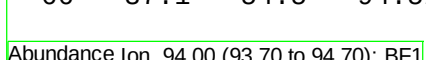
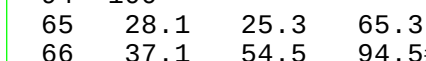
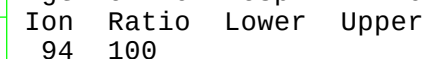
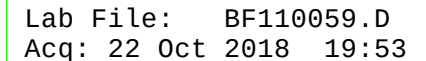
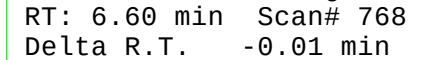
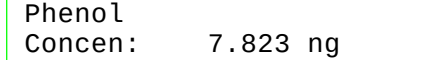
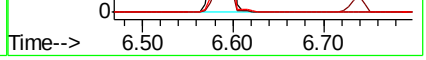
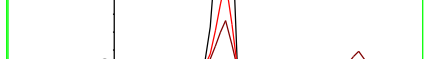
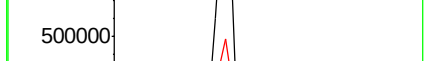
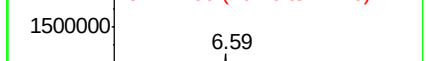
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.6
71	35.7	28.0	42.0



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



#10

Phenol

Concen: 7.823 ng

RT: 6.60 min Scan# 768

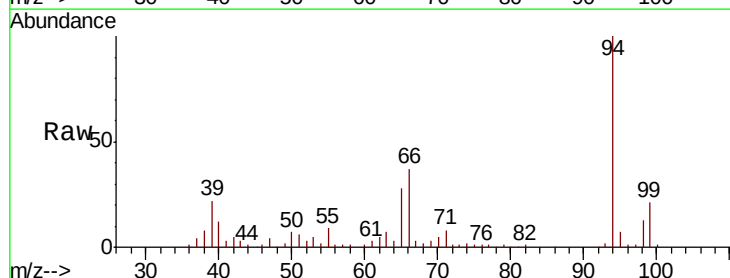
Delta R.T. -0.01 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

Tgt Ion: 94 Resp: 127101

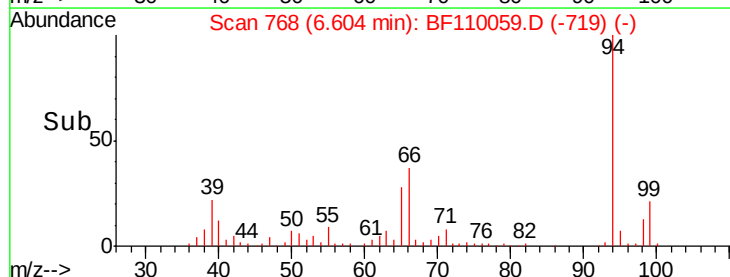
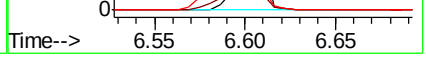
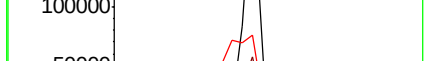
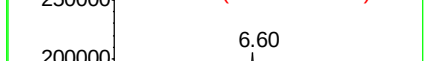
Ion	Ratio	Lower	Upper
94	100		
65	28.1	25.3	65.3
66	37.1	54.5	94.5#

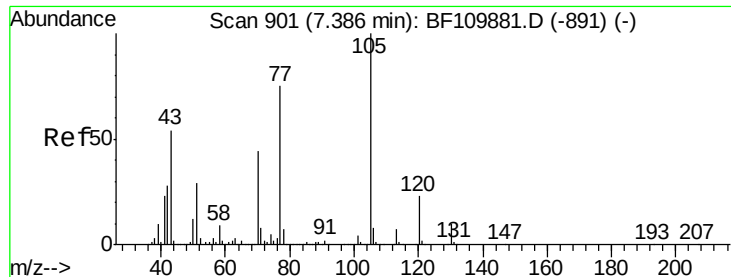


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

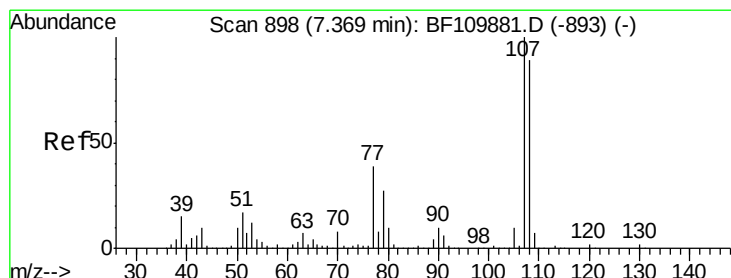
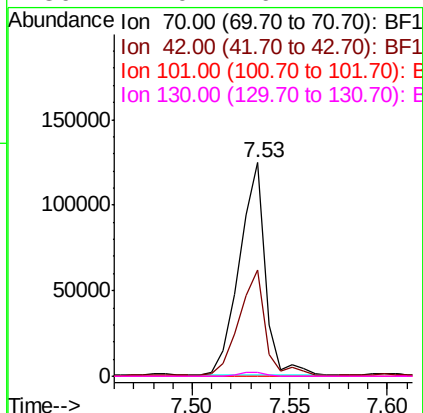
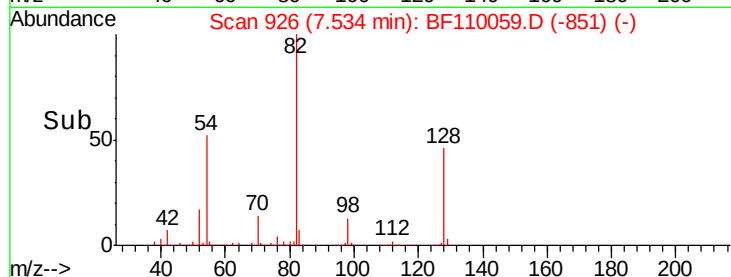
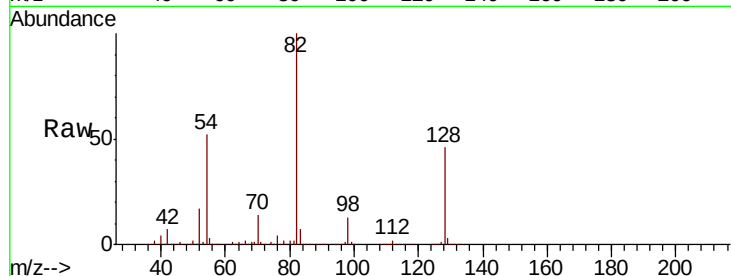




#19
n-Nitroso-di-n-propylamine
Concen: 11.802 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.14 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

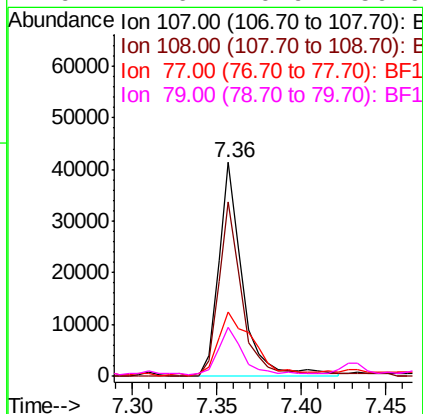
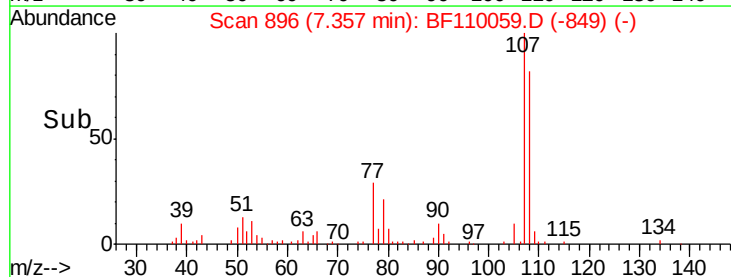
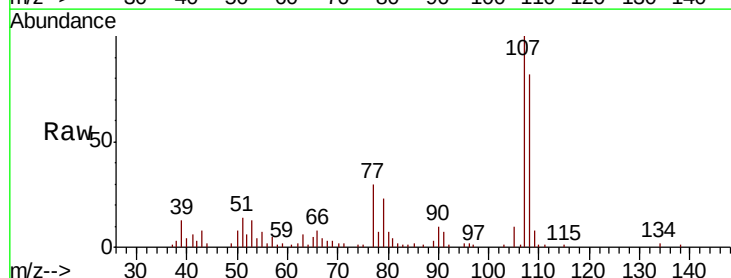
Instrument :
BNA_F
ClientSampleId :

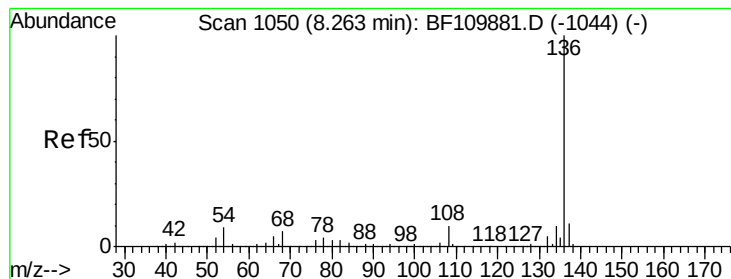
Tot Ion: 70 Resp: 114038
Ion Ratio Lower Upper
70 100
42 49.5 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#20
3+4-Methylphenols
Concen: 2.909 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Tgt Ion:107 Resp: 40411
Ion Ratio Lower Upper
107 100
108 81.8 71.4 111.4
77 29.7 47.3 87.3#
79 22.6 10.9 50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110059.D

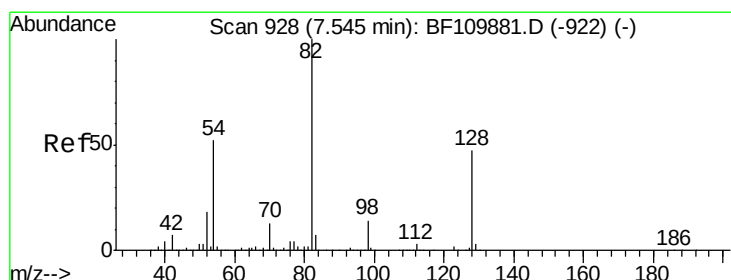
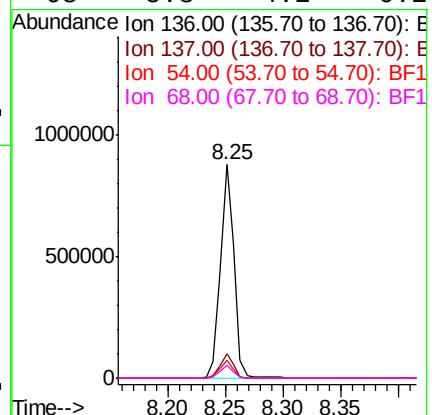
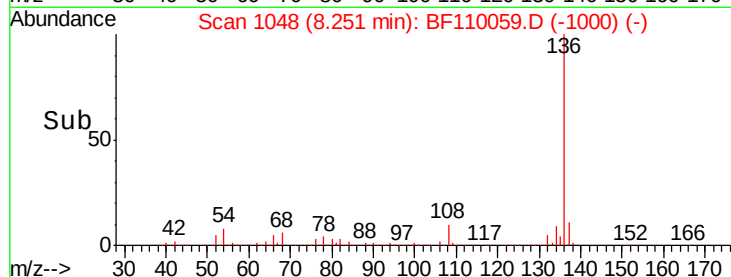
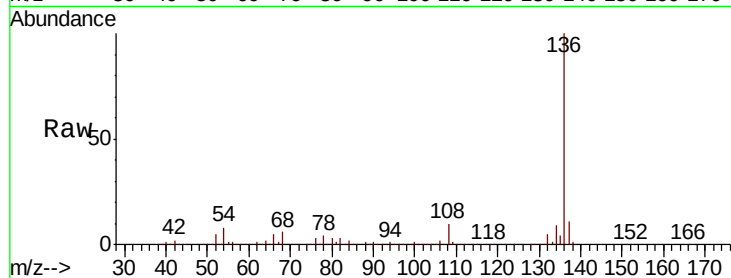
Acq: 22 Oct 2018 19:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	711151
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	8.4	5.4 8.2#
68	5.8	4.2 6.2



#23

Nitrobenzene-d5

Concen: 78.289 ng

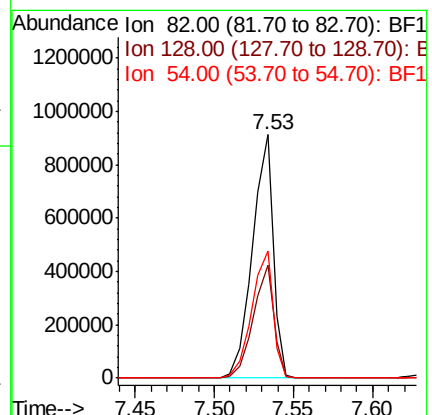
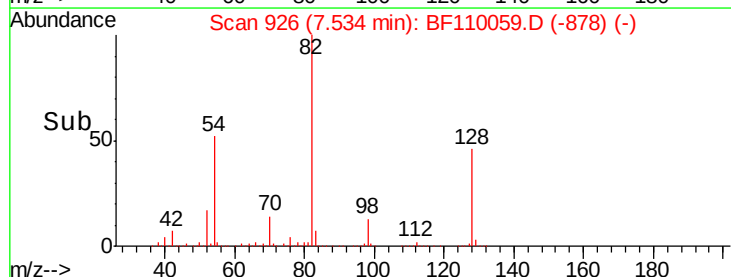
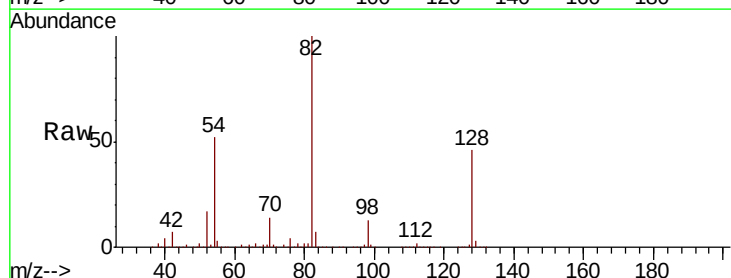
RT: 7.53 min Scan# 926

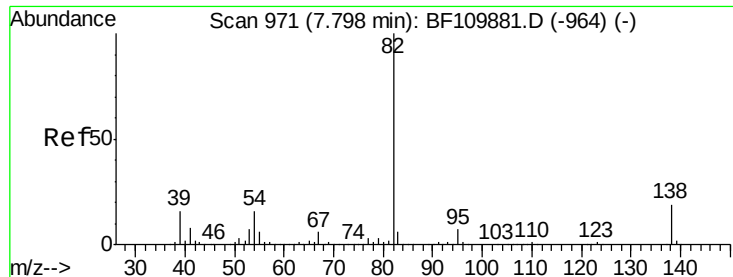
Delta R.T. -0.02 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

Tgt Ion: 82	Resp:	826484
Ion Ratio	Lower	Upper
82	100	
128	46.4	34.2 51.2
54	52.3	38.6 58.0

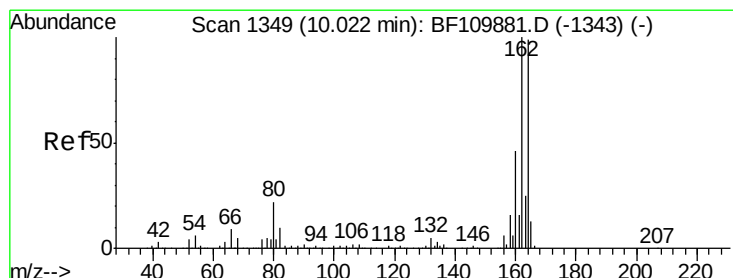
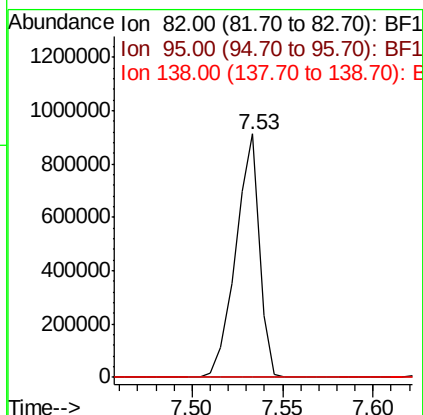
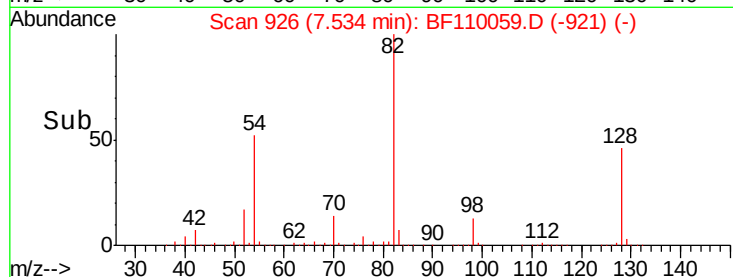
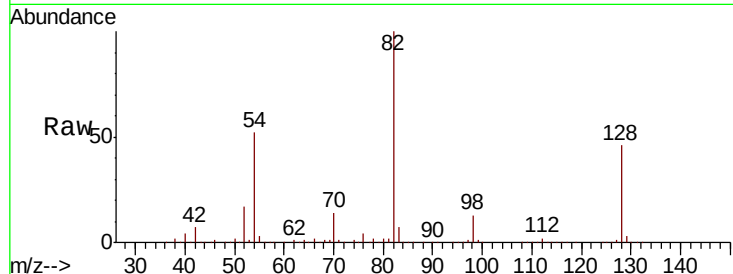




#25
Isophorone
Concen: 39.849 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

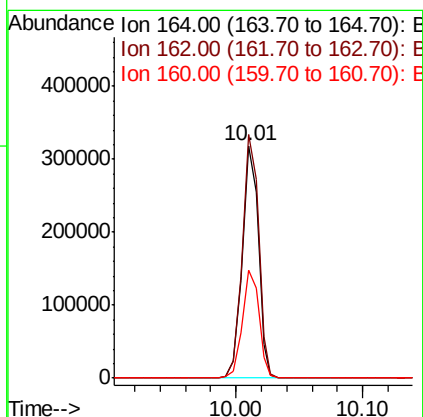
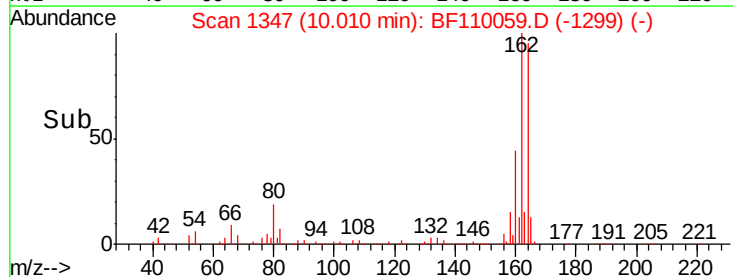
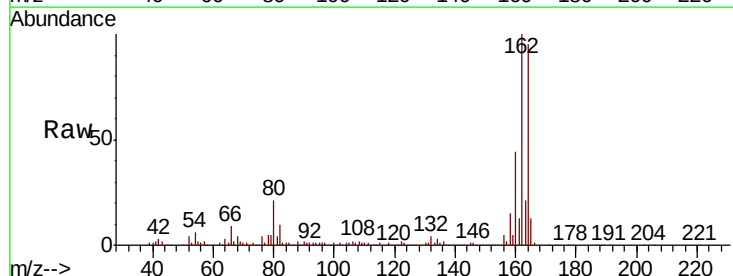
Instrument :
BNA_F
ClientSampleId :

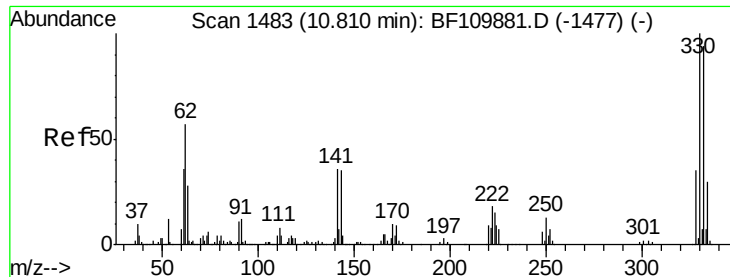
Tot Ion: 82 Resp: 826599
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Tgt Ion:164 Resp: 278733
Ion Ratio Lower Upper
164 100
162 104.8 83.0 124.6
160 46.3 37.0 55.6

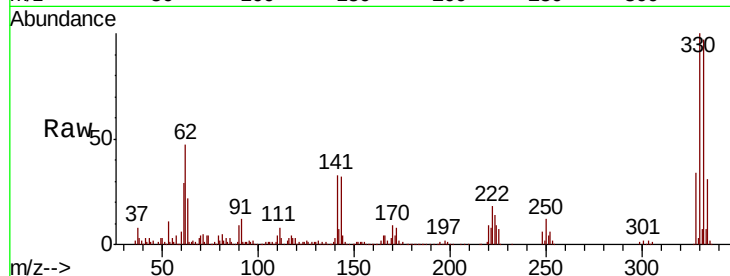




#42
2,4,6-Tribromophenol
Concen: 97.702 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	37.1	27.0	40.4

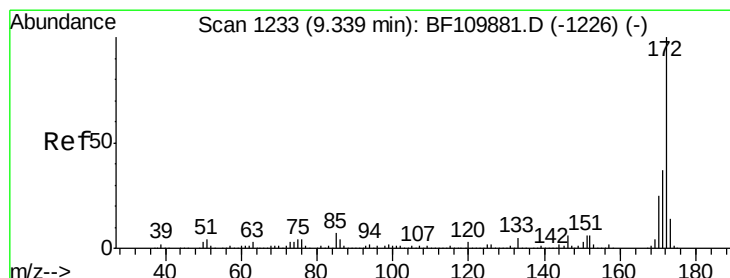
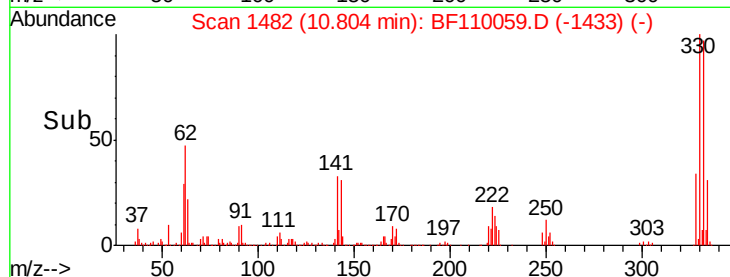
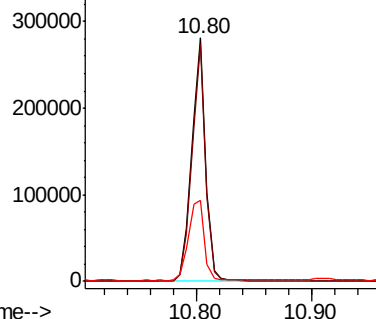


Abundance

Ion 329.80 (329.50 to 330.50): E

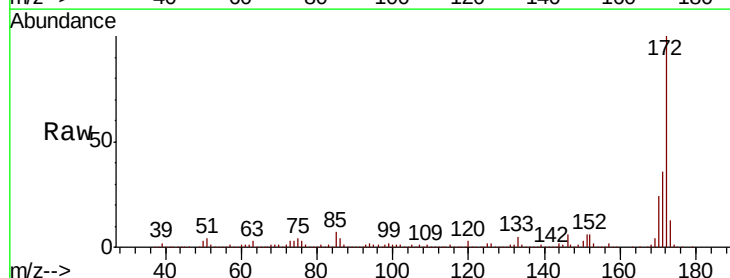
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 66.457 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	23.9	19.7	29.5

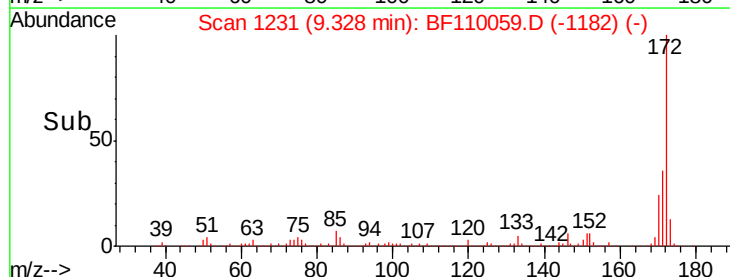
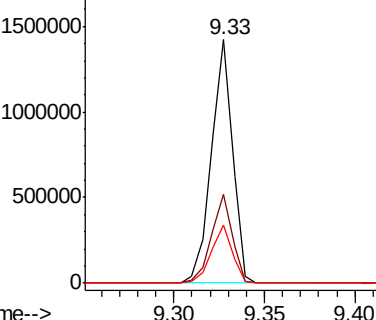


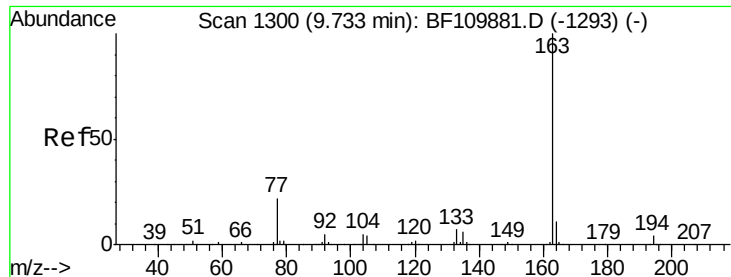
Abundance

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

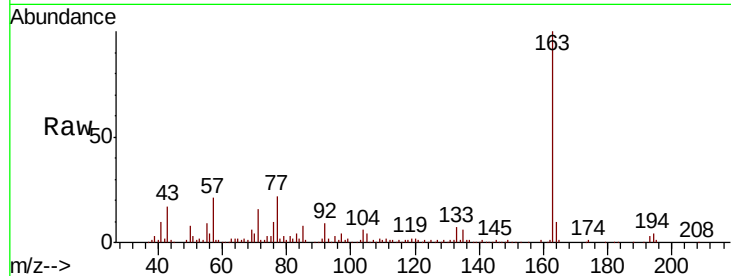




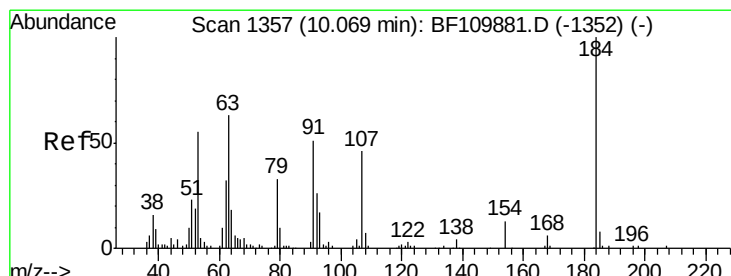
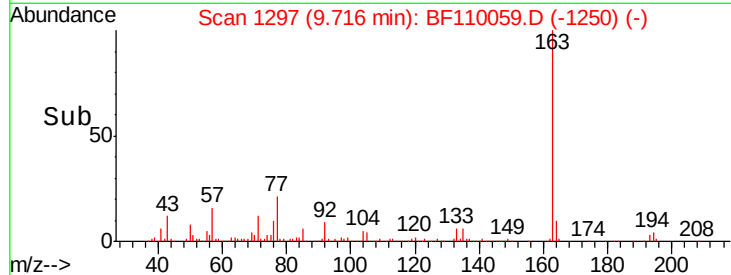
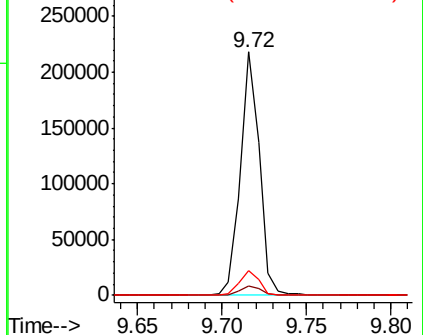
#50
Dimethylphthalate
Concen: 8.571 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.0	8.1	12.1

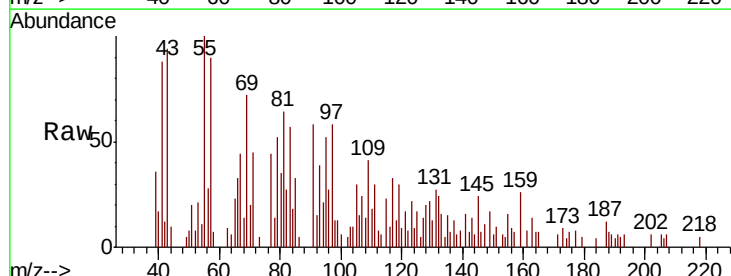


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

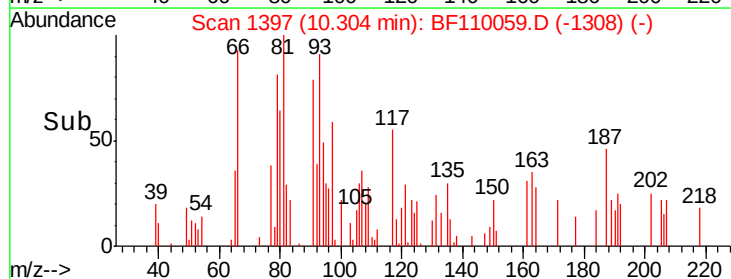
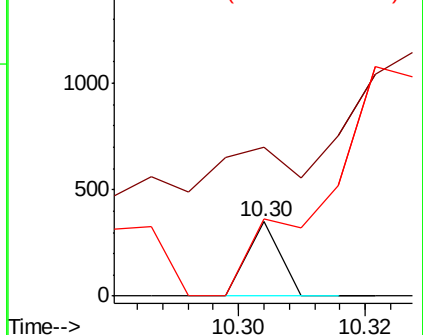


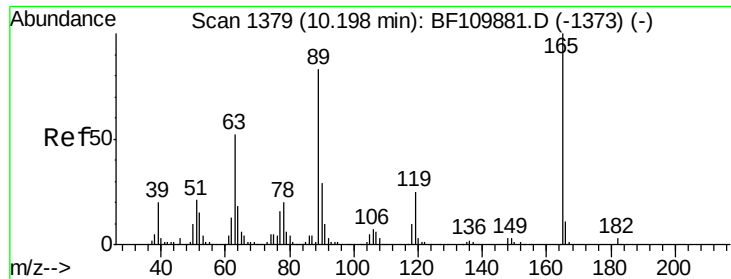
#54
2,4-Dinitrophenol
Concen: 9.001 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.22 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Tgt Ion	Ratio	Lower	Upper
184	100		
63	199.4	55.8	83.6#
154	104.6	63.2	94.8#



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





#57

2,4-Dinitrotoluene

Concen: 4.838 ng

RT: 10.25 min Scan# 1387

Delta R.T. 0.04 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 1333

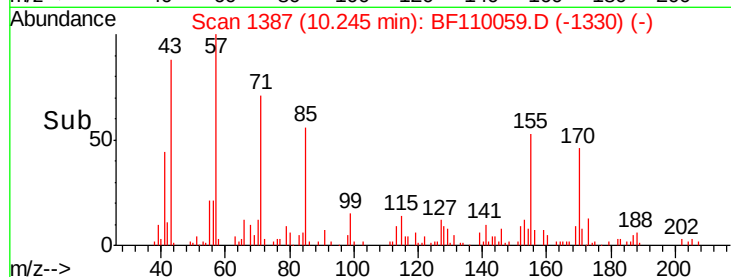
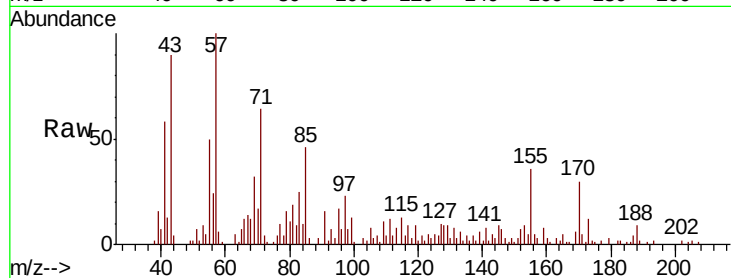
Ion Ratio Lower Upper

165 100

63 101.8 44.8 67.2#

89 56.3 62.2 93.4#

182 43.9 2.1 3.1#

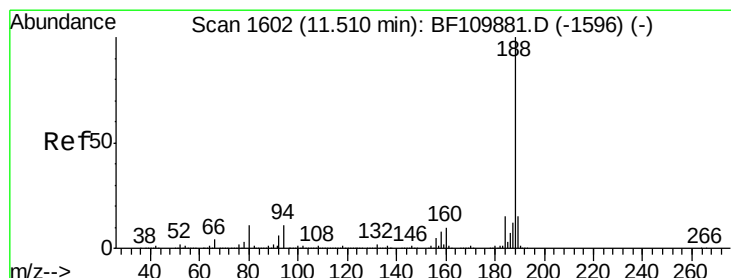
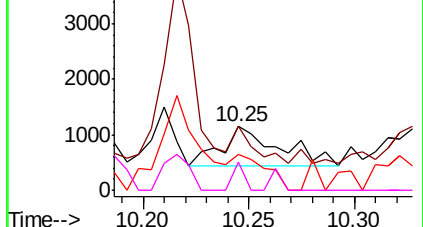


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

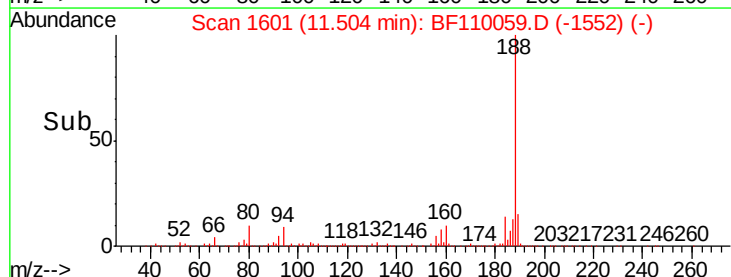
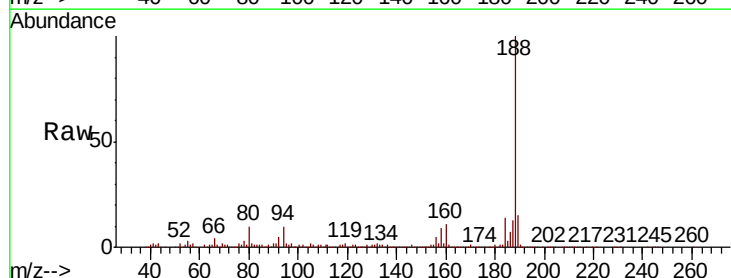
Tgt Ion:188 Resp: 436396

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

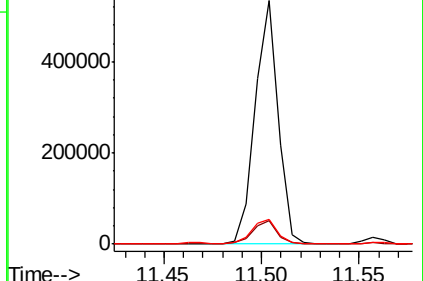
80 10.0 7.9 11.9

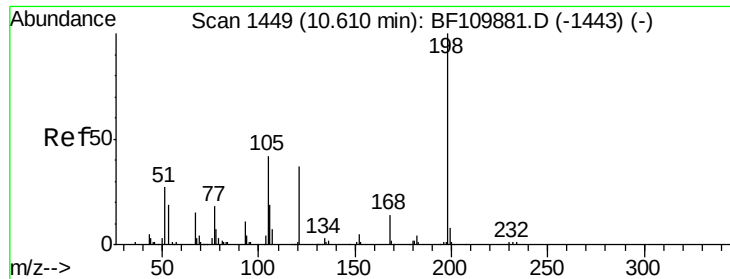


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.342 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

Instrument :

BNA_F

ClientSampleId :

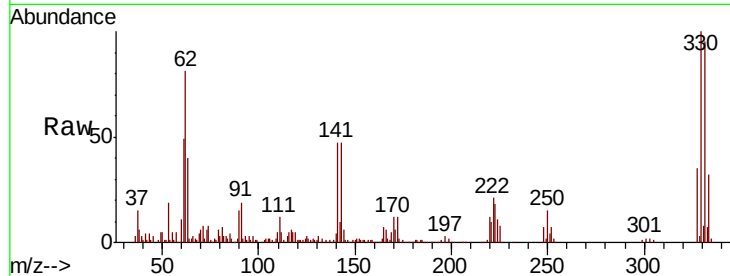
Tot Ion:198 Resp: 828

Ion Ratio Lower Upper

198 100

51 358.3 22.8 62.8#

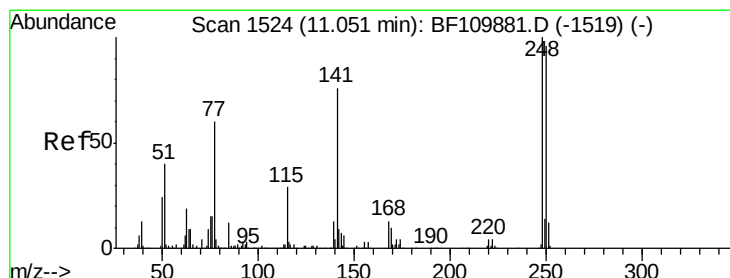
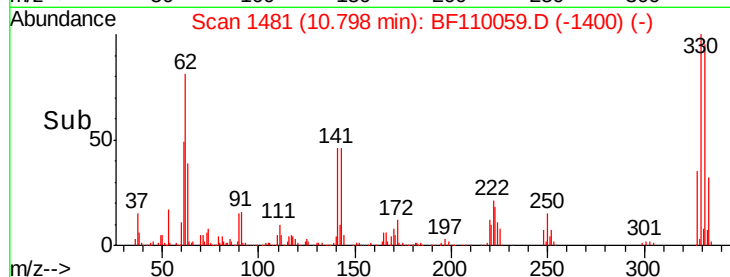
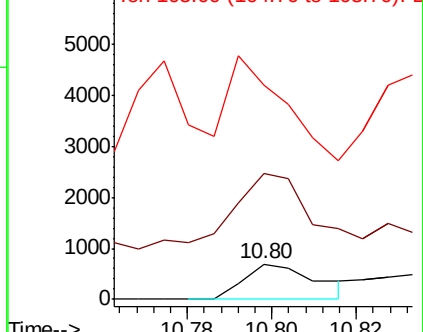
105 608.9 23.6 63.6#



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



#67

4-Bromophenyl-phenylether

Concen: 3.270 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.25 min

Lab File: BF110059.D

Acq: 22 Oct 2018 19:53

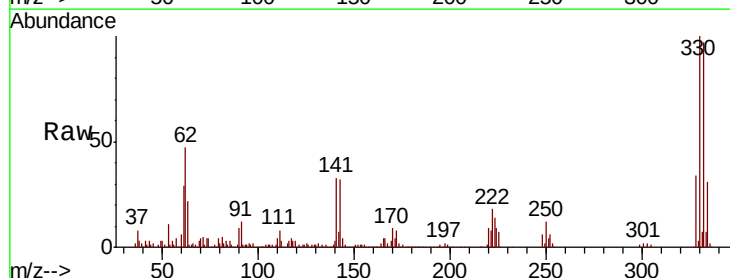
Tgt Ion:248 Resp: 15464

Ion Ratio Lower Upper

248 100

250 192.1 79.4 119.2#

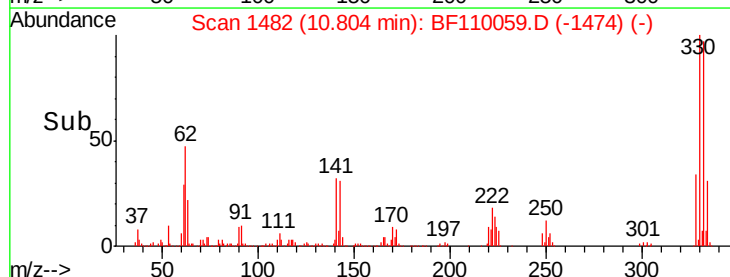
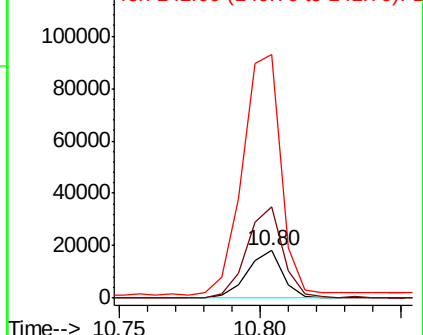
141 512.2 55.9 83.9#

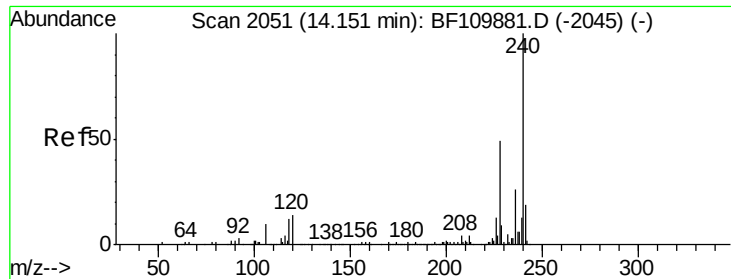


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

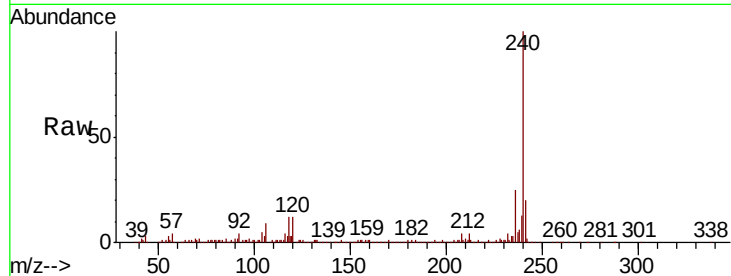




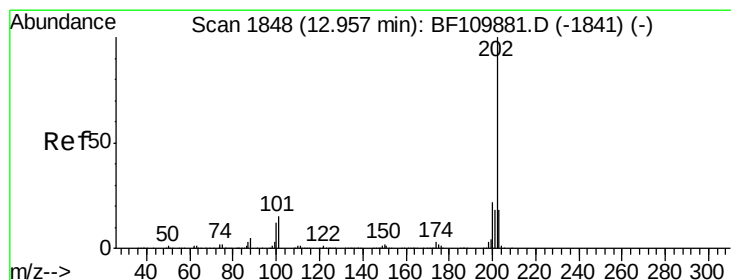
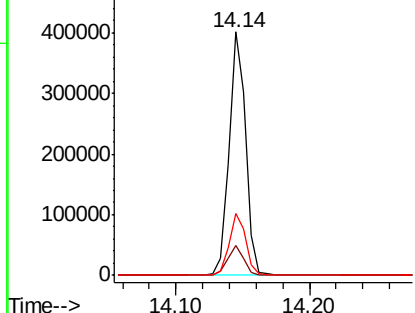
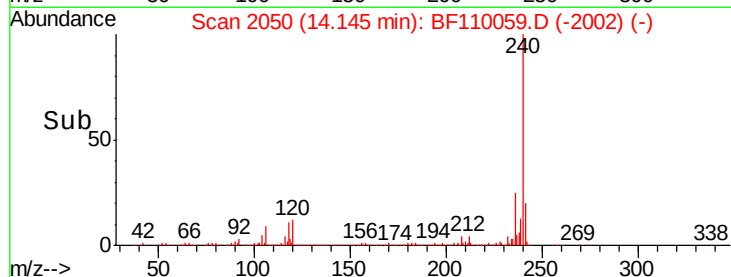
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 350754
Ion Ratio Lower Upper
240 100
120 12.3 8.3 12.5
236 25.3 21.2 31.8

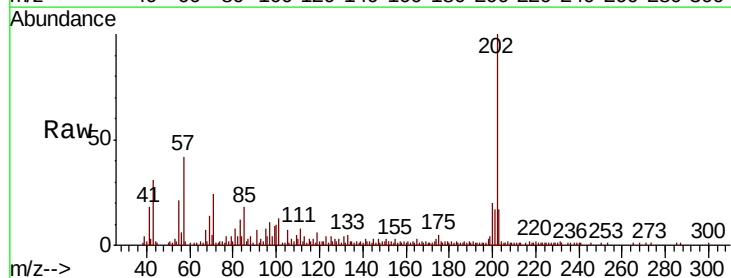


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

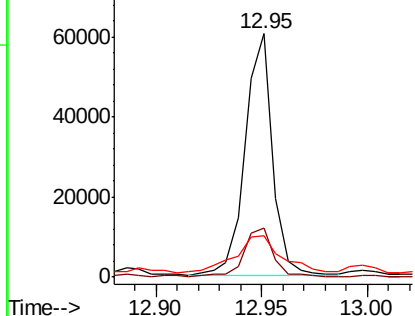
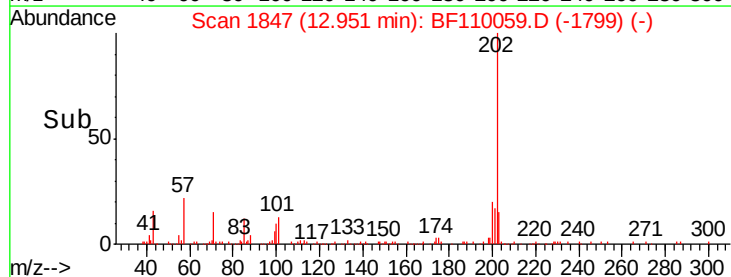


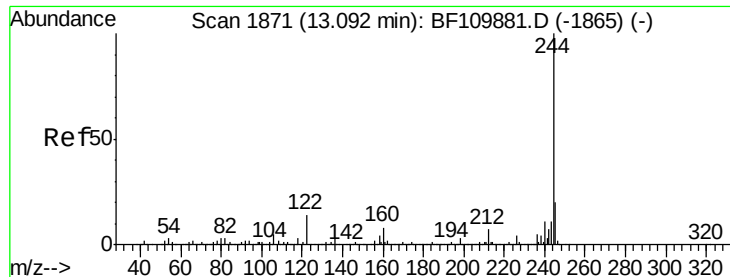
#78
Pyrene
Concen: 2.096 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110059.D
Acq: 22 Oct 2018 19:53

Tgt Ion:202 Resp: 53997
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.6
203 17.0 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

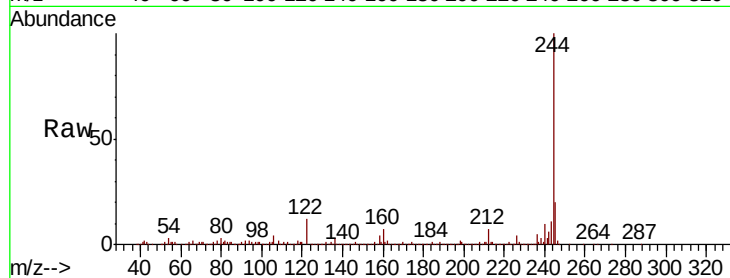




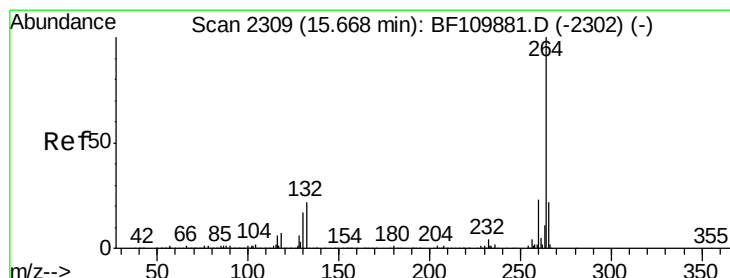
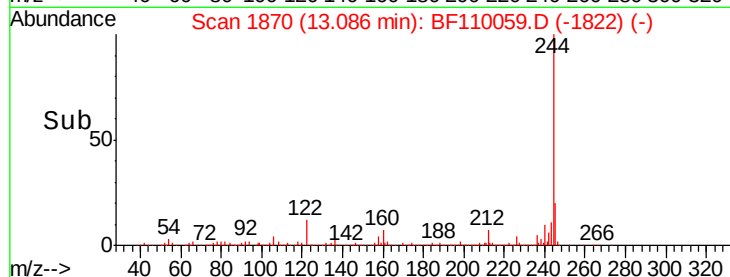
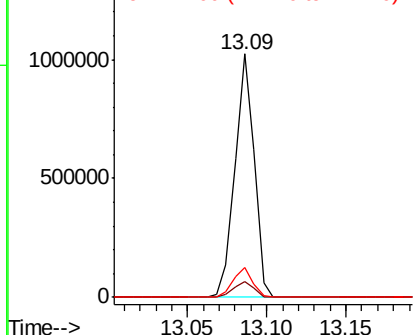
#79
 Terphenyl-d14
 Concen: 51.744 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110059.D
 Acq: 22 Oct 2018 19:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.4	8.7	13.1

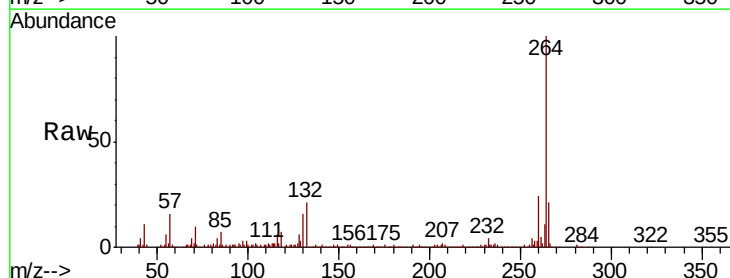


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

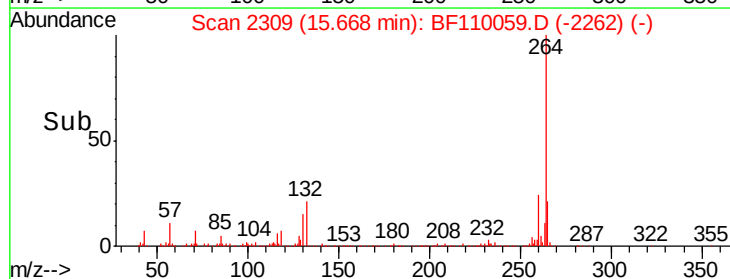
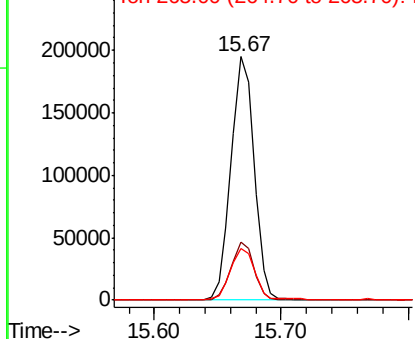


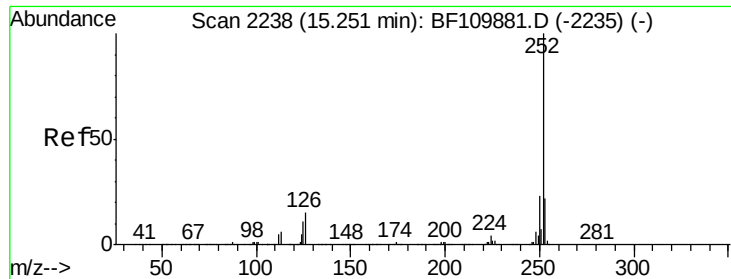
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BF110059.D
 Acq: 22 Oct 2018 19:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.1	16.7	25.1



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

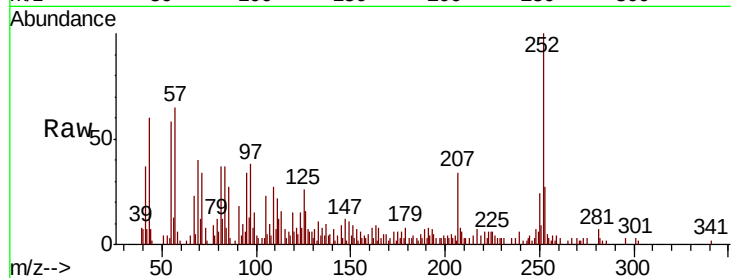




#89
 Benzo(k)fluoranthene
 Concen: 2.030 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. -0.05 min
 Lab File: BF110059.D
 Acq: 22 Oct 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.2	25.8
125	26.0	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

