

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110209.D
 Acq On : 26 Oct 2018 15:02
 Operator : JU/SJ
 Sample : J5621-04RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 23:38:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141523	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	557814	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	238092	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	370723	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	259366	20.00	ng	-0.01
87) Perylene-d12	15.68	264	188190	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	796981	91.71	ng	0.00
7) Phenol-d6	6.59	99	1013640	91.19	ng	-0.01
23) Nitrobenzene-d5	7.53	82	624044	66.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	181335	76.89	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1047710	69.10	ng	-0.01
79) Terphenyl-d14	13.09	244	717099	57.50	ng	-0.02

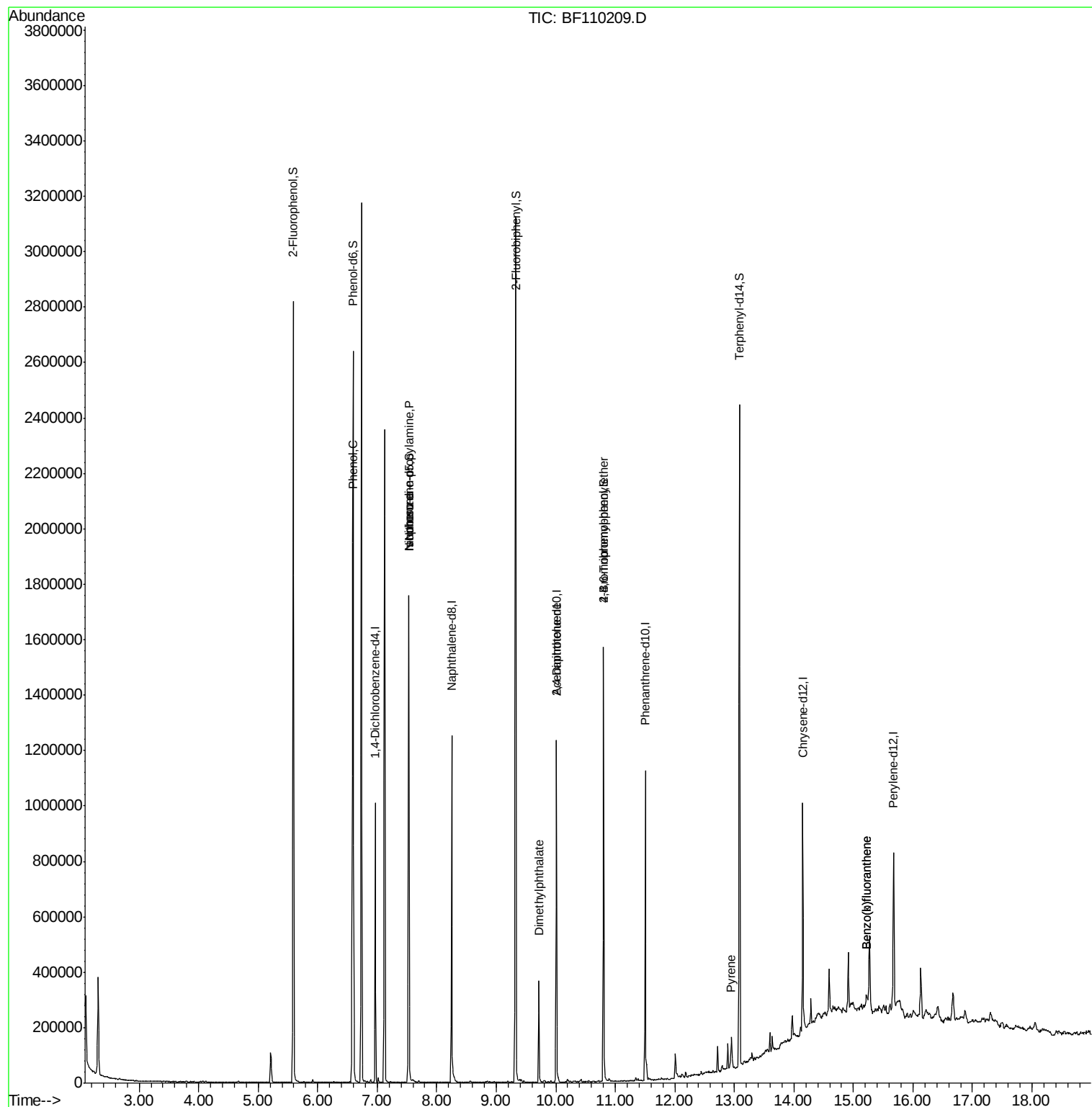
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	2723	Below Cal		# 1
10) Phenol	6.60	94	151508	12.751	ng	# 64
19) n-Nitroso-di-n-propylamine	7.53	70	83545	11.715	ng	# 77
25) Isophorone	7.53	82	624131	38.933	ng	# 67
50) Dimethylphthalate	9.72	163	142652	8.117	ng	# 98
57) 2,4-Dinitrotoluene	10.01	165	30628	6.369	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	11461	2.850	ng	# 1
78) Pyrene	12.95	202	38351	2.063	ng	# 98
88) Benzo(b)fluoranthene	15.22	252	27960	2.573	ng	# 67
89) Benzo(k)fluoranthene	15.22	252	27960	2.617	ng	# 67

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

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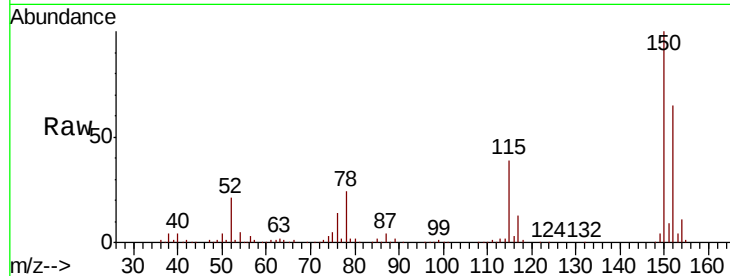


#1

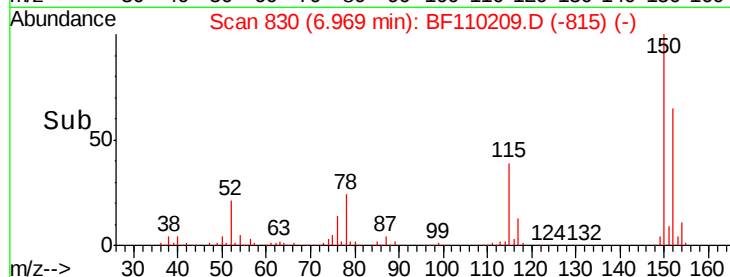
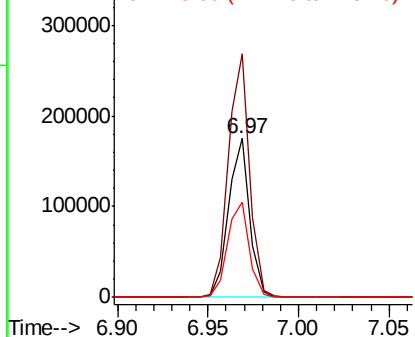
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141523
Ion Ratio Lower Upper
152 100
150 153.1 122.7 184.1
115 60.0 49.1 73.7



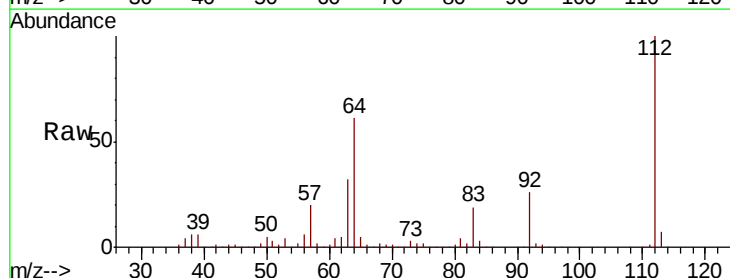
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



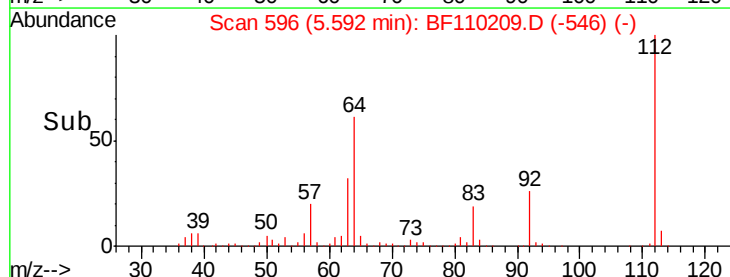
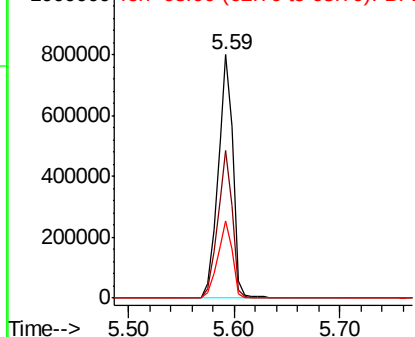
#5

2-Fluorophenol
Concen: 91.706 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Tgt Ion:112 Resp: 796981
Ion Ratio Lower Upper
112 100
64 60.7 44.1 66.1
63 31.9 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: 91.187 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110209.D

Acq: 26 Oct 2018 15:02

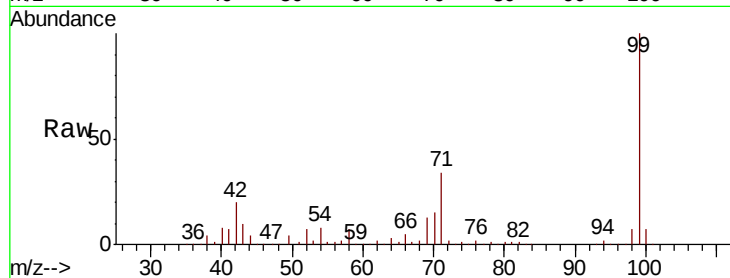
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1013640

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.6
71	34.5	28.0	42.0

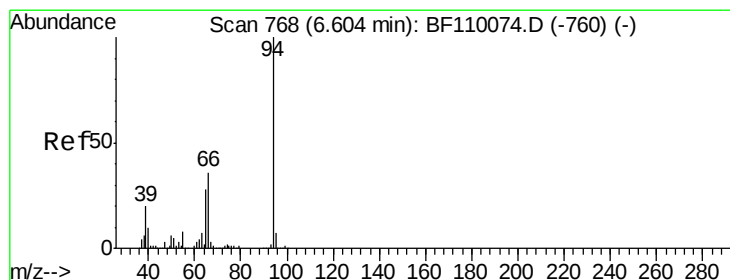
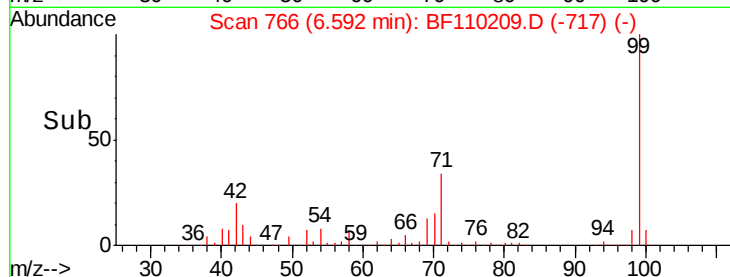
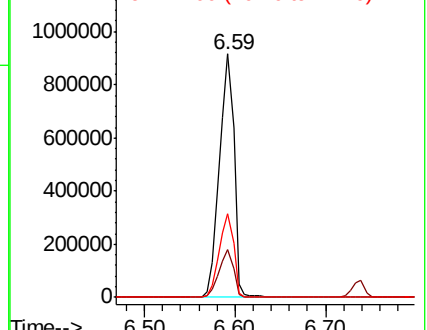


Abundance

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: 12.751 ng

RT: 6.60 min Scan# 768

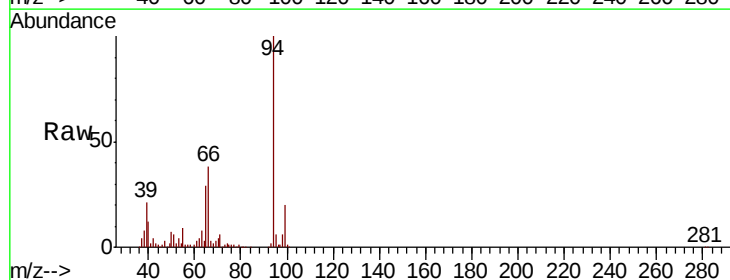
Delta R.T. -0.01 min

Lab File: BF110209.D

Acq: 26 Oct 2018 15:02

Tgt Ion: 94 Resp: 151508

Ion	Ratio	Lower	Upper
94	100		
65	29.0	25.3	65.3
66	38.1	54.5	94.5#

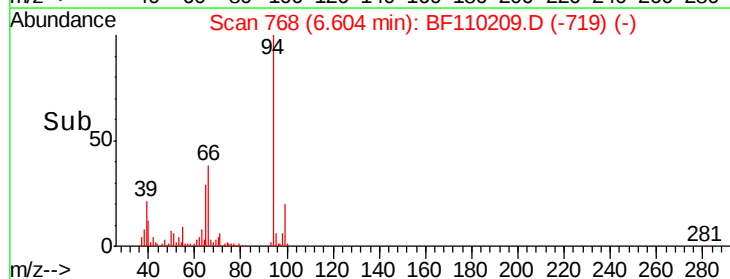
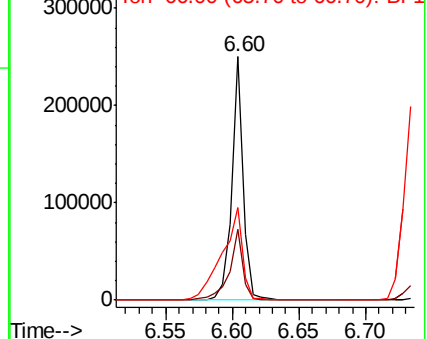


Abundance

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

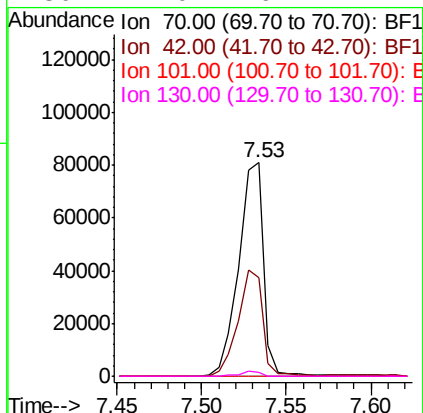
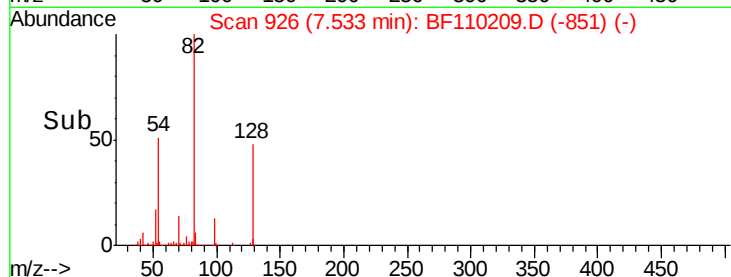
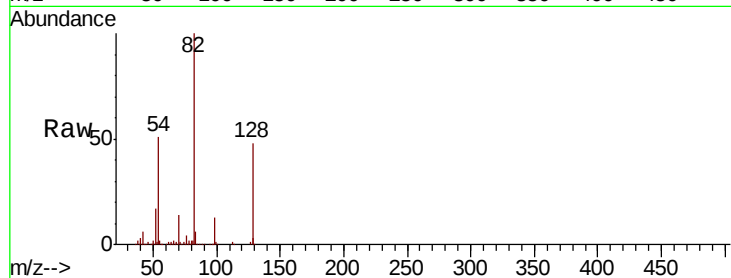




#19
n-Nitroso-di-n-propylamine
Concen: 11.715 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.14 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

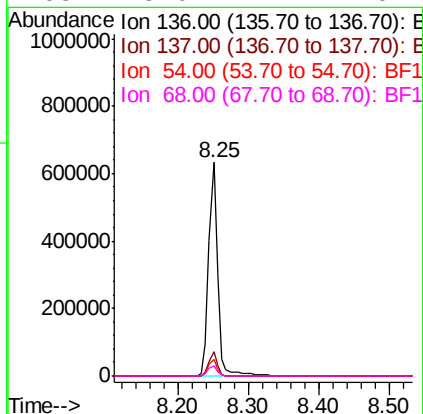
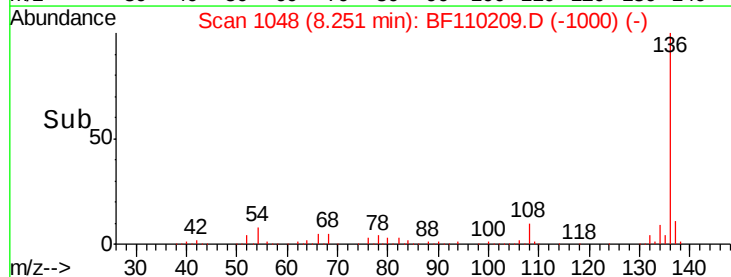
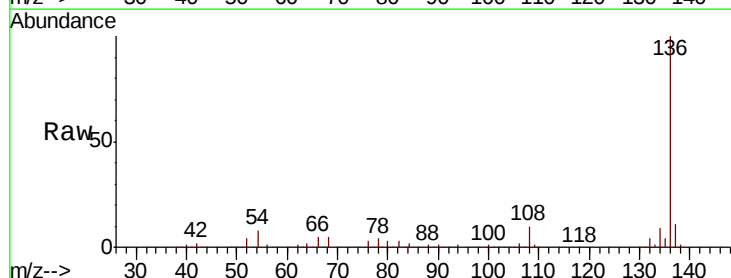
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 83545
Ion Ratio Lower Upper
70 100
42 46.2 47.4 71.2#
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Tgt Ion:136 Resp: 557814
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.0 5.4 8.2
68 5.0 4.2 6.2

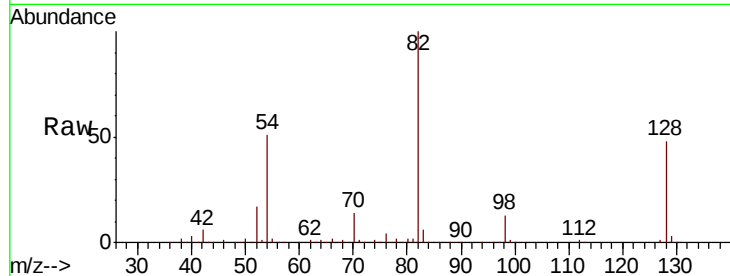




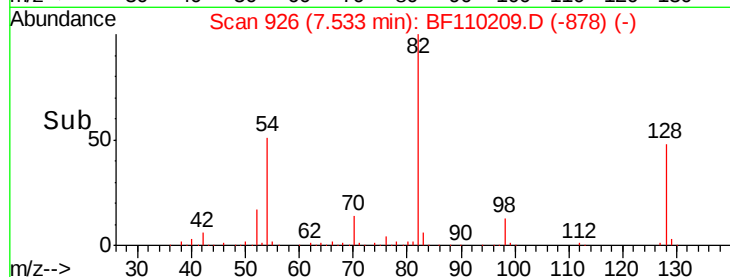
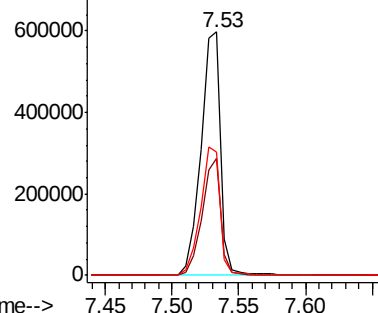
#23
 Nitrobenzene-d5
 Concen: 66.356 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BF110209.D
 Acq: 26 Oct 2018 15:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.2	51.2
54	50.5	38.6	58.0

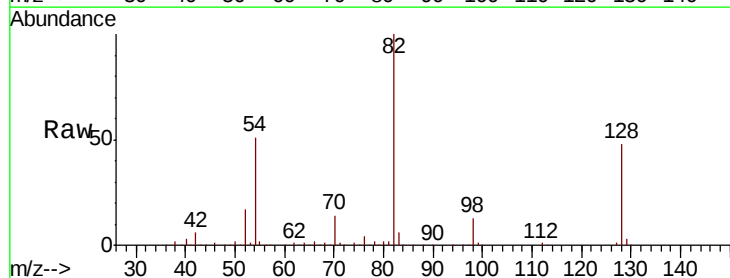


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

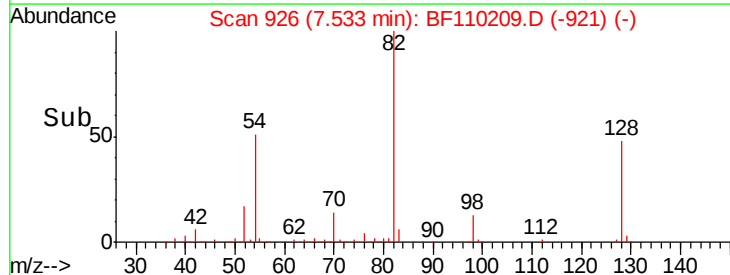
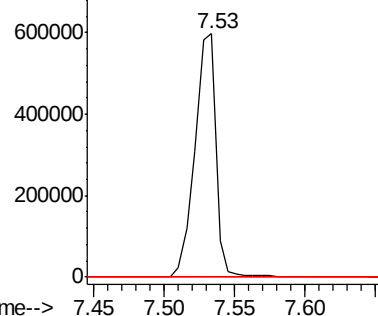


#25
 Isophorone
 Concen: 38.933 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.27 min
 Lab File: BF110209.D
 Acq: 26 Oct 2018 15:02

Tgt 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): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110209.D

Acq: 26 Oct 2018 15:02

Instrument :

BNA_F

ClientSampleId :

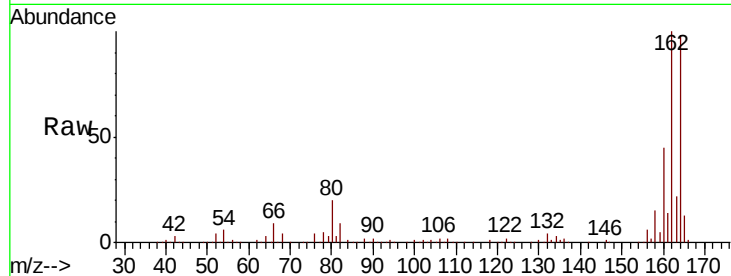
Tot Ion:164 Resp: 238092

Ion Ratio Lower Upper

164 100

162 101.5 83.0 124.6

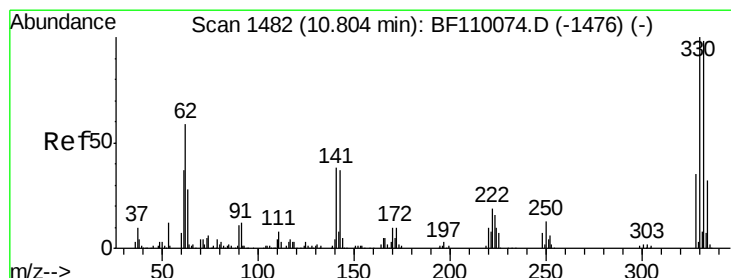
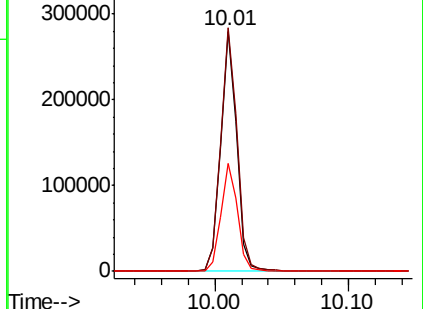
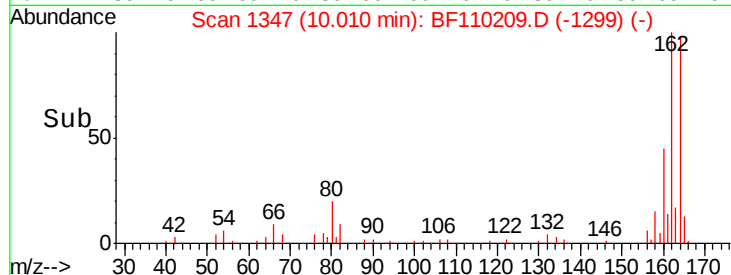
160 45.3 37.0 55.6



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: 76.887 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110209.D

Acq: 26 Oct 2018 15:02

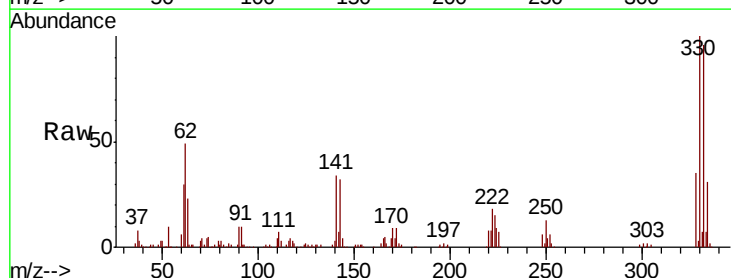
Tgt Ion:330 Resp: 181335

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

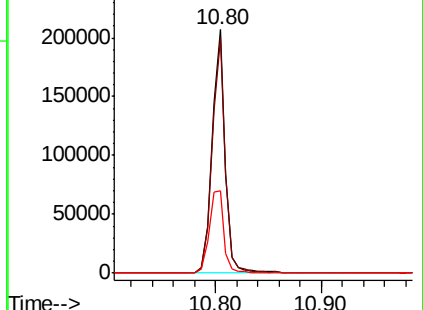
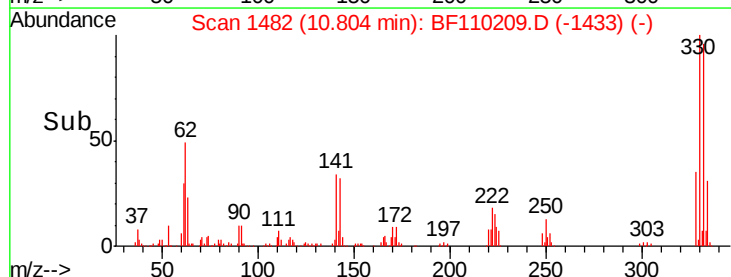
141 38.0 27.0 40.4



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

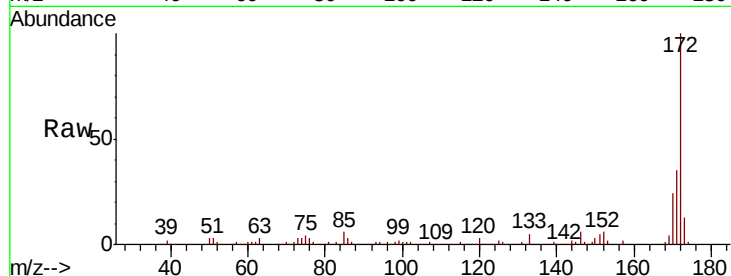




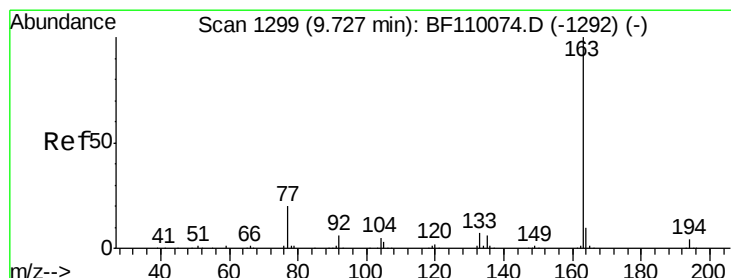
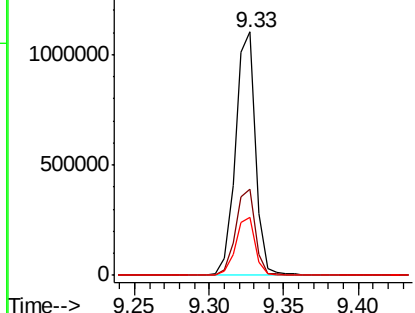
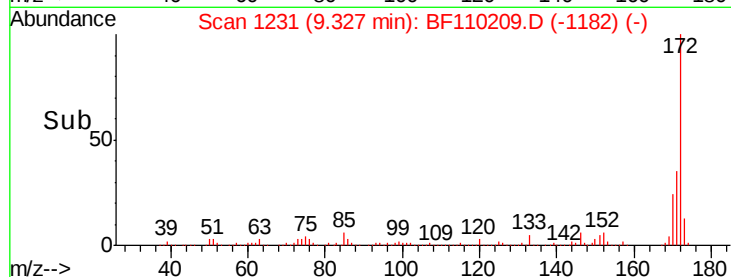
#45
2-Fluorobiphenyl
Concen: 69.098 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1047710
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.7 29.5

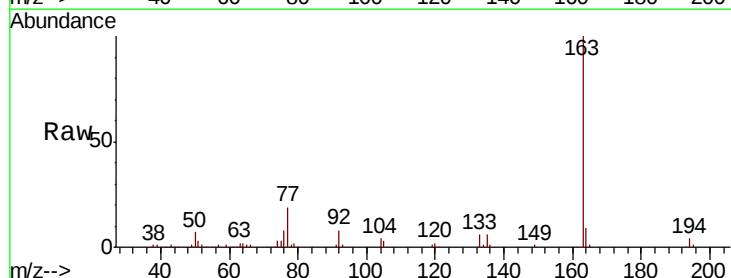


Abundance Ion 172.00 (171.70 to 172.70): E
1500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

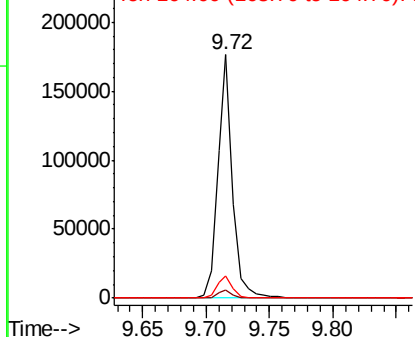
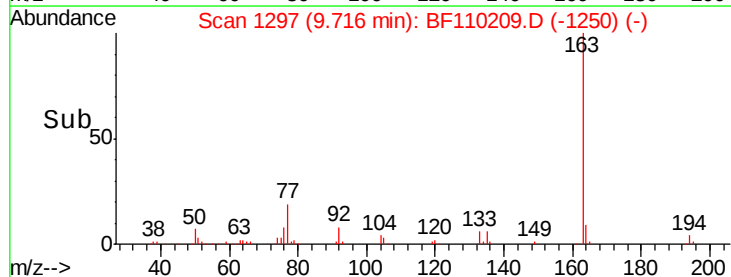


#50
Dimethylphthalate
Concen: 8.117 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Tgt Ion:163 Resp: 142652
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
200000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

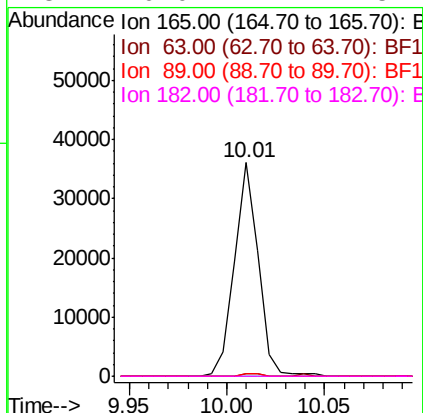
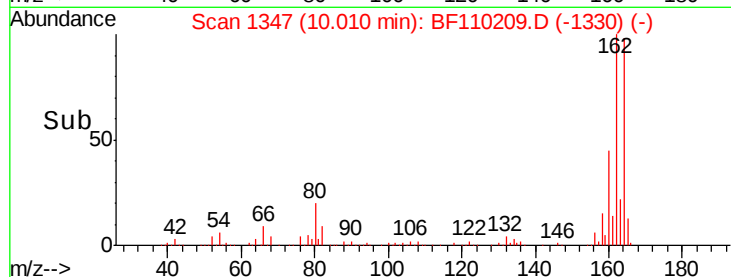
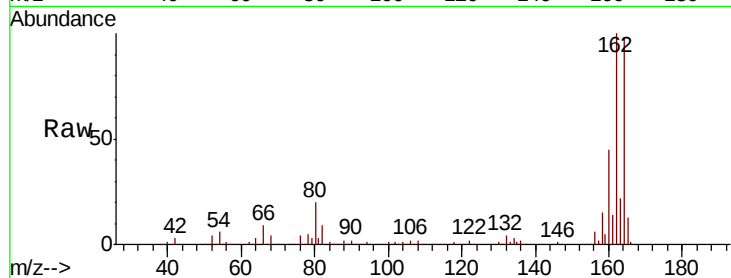




#57
 2,4-Dinitrotoluene
 Concen: 6.369 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110209.D
 Acq: 26 Oct 2018 15:02

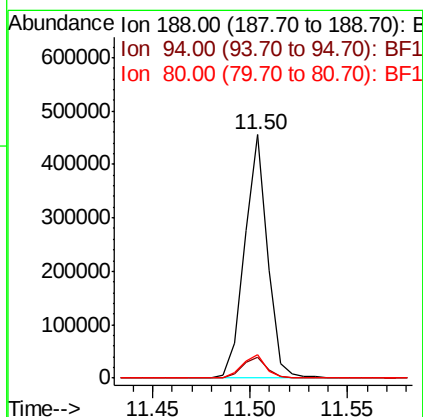
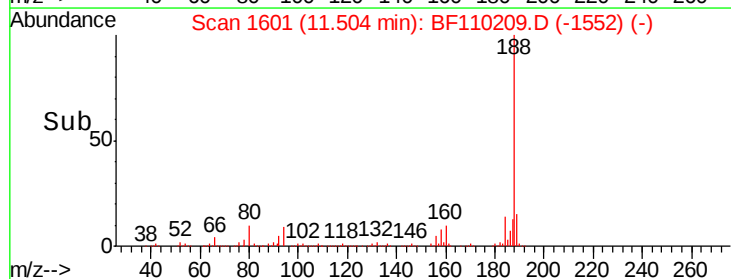
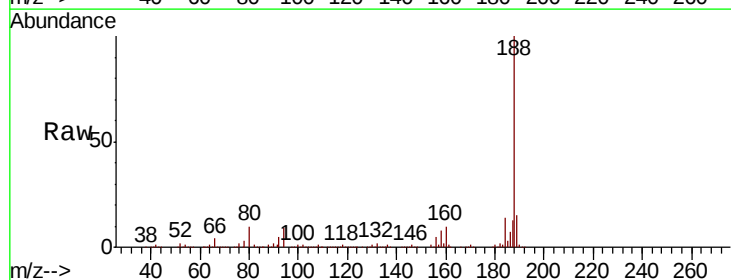
Instrument :
 BNA_F
 ClientSampled :

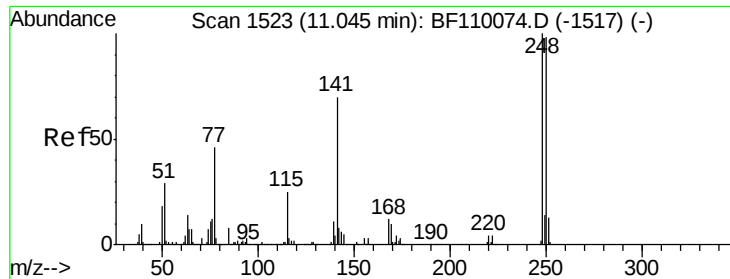
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.8	67.2#
89	1.2	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110209.D
 Acq: 26 Oct 2018 15:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.5	7.9	11.9

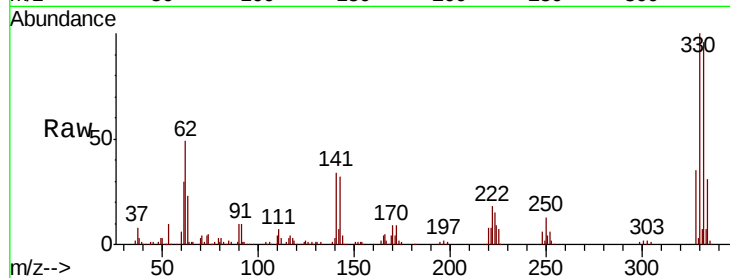




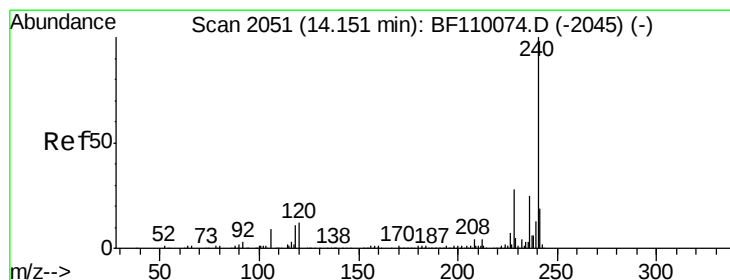
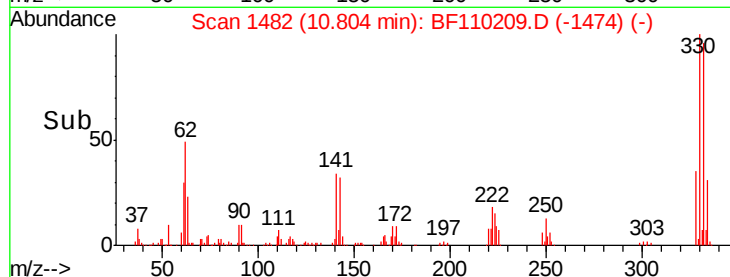
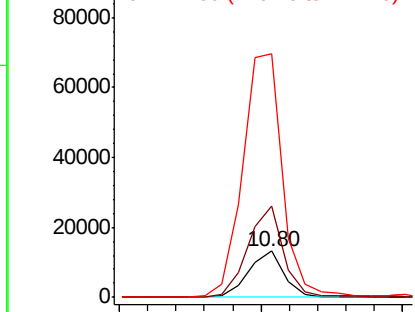
#67
4-Bromophenyl-phenylether
Concen: 2.850 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11461
Ion Ratio Lower Upper
248 100
250 198.5 79.4 119.2#
141 526.0 55.9 83.9#

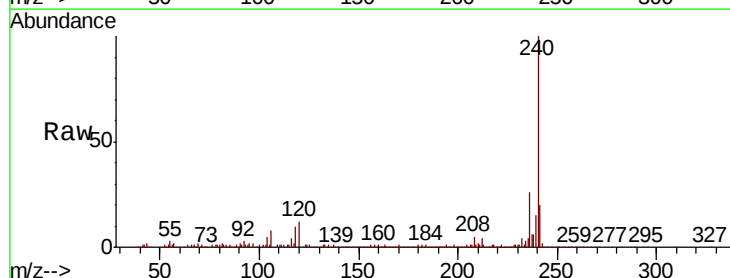


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

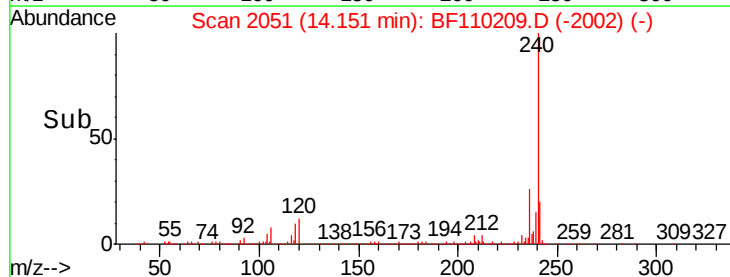
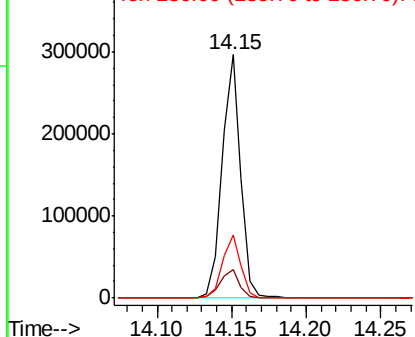


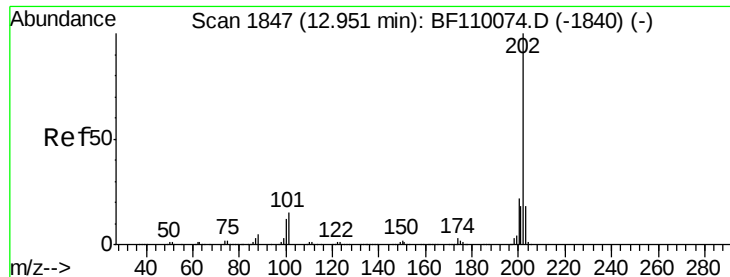
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Tgt Ion:240 Resp: 259366
Ion Ratio Lower Upper
240 100
120 11.7 8.3 12.5
236 25.9 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

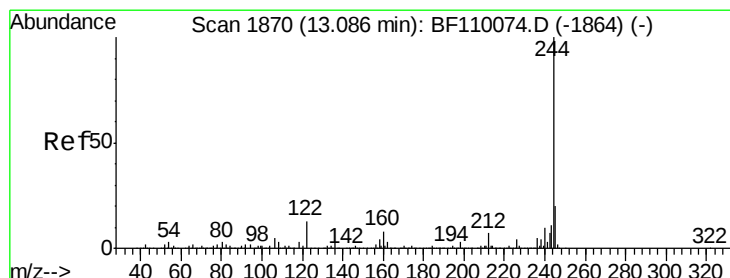
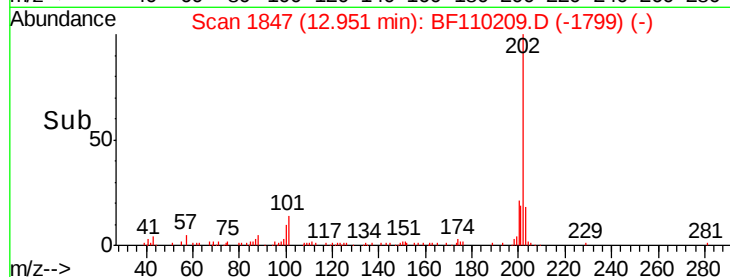
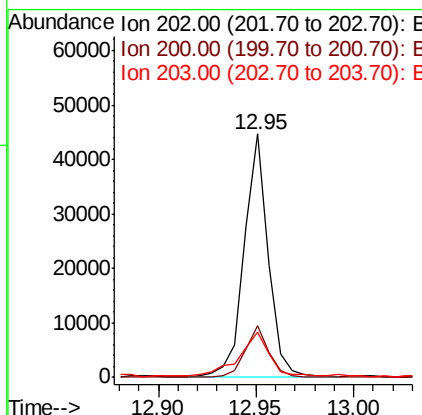
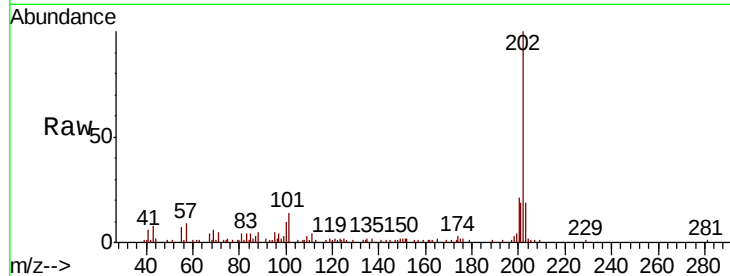




#78
Pvrene
Concen: 2.063 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

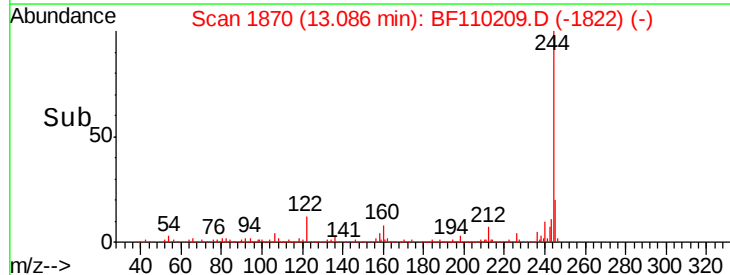
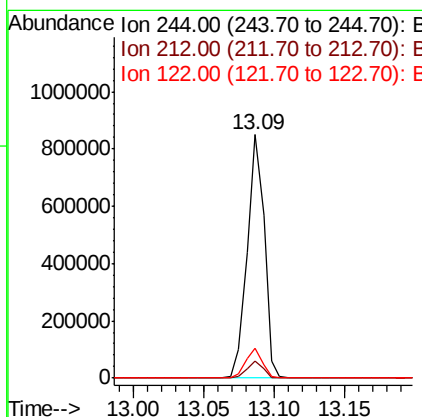
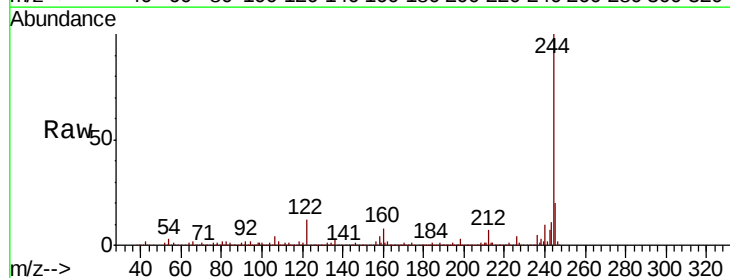
Instrument :
BNA_F
ClientSampleId :

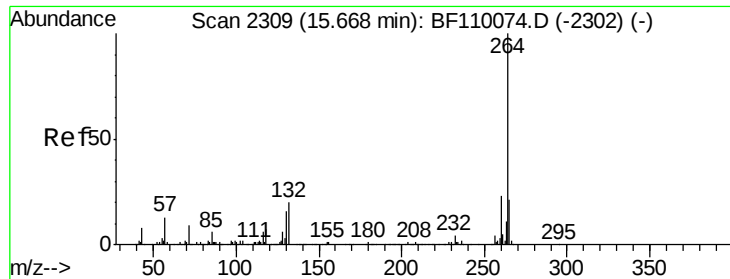
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.6	14.2	21.4



#79
Terphenyl-d14
Concen: 57.500 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.4	8.7	13.1

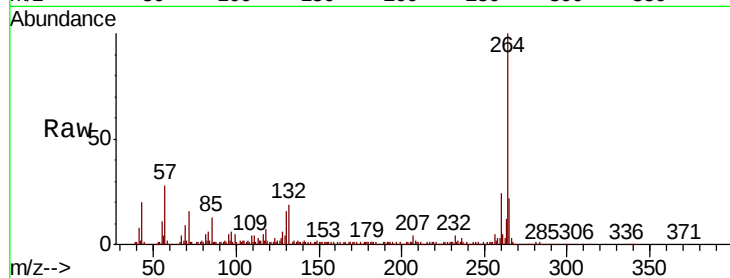




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.3	16.7	25.1

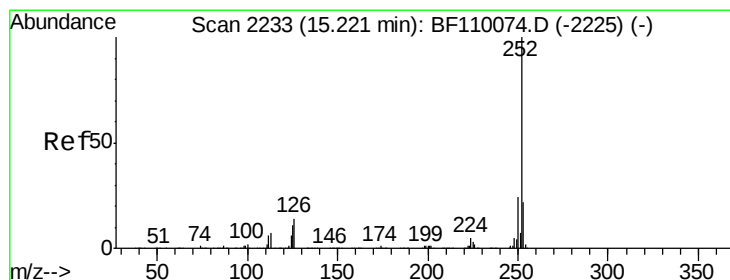
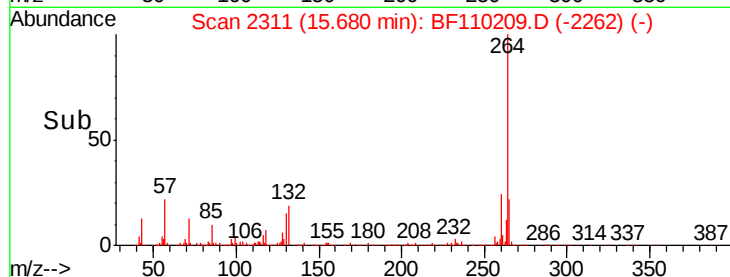
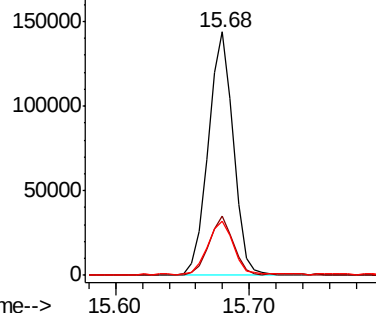


Abundance

Ion 264.00 (263.70 to 264.70): E

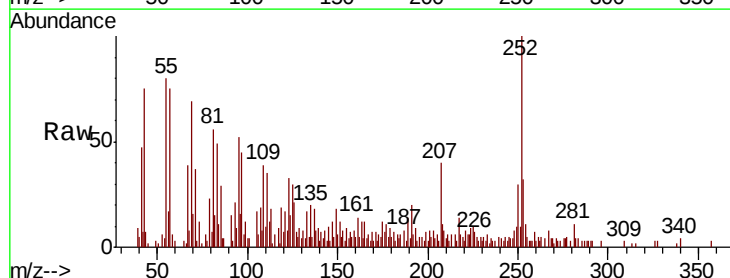
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 2.573 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110209.D
Acq: 26 Oct 2018 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.2	25.8#
125	30.4	8.2	12.4#

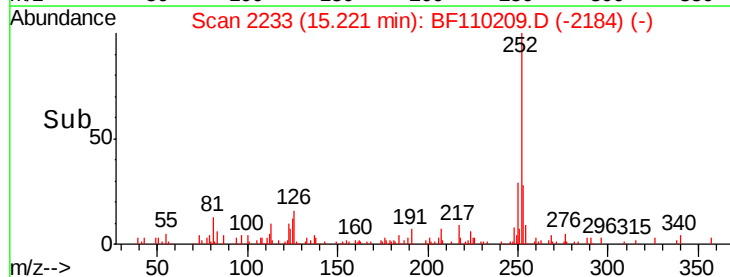
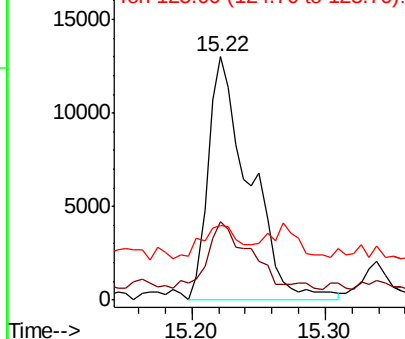


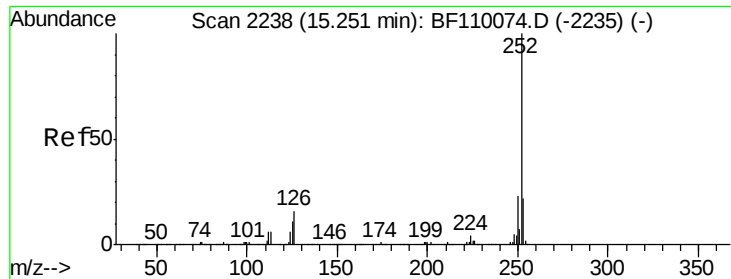
Abundance

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: 2.617 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.05 min

Lab File: BF110209.D

Acq: 26 Oct 2018 15:02

Instrument :

BNA_F

ClientSampleId :

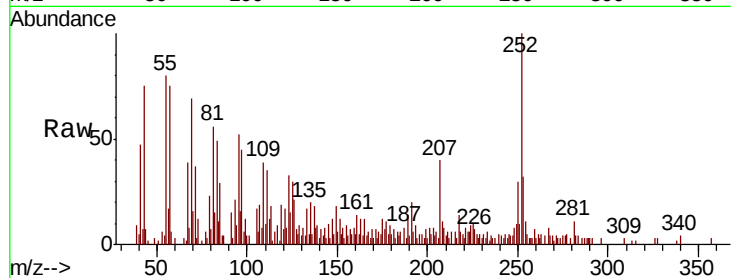
Tot Ion:252 Resp: 27960

Ion Ratio Lower Upper

252 100

253 32.2 17.2 25.8#

125 30.4 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

