

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110226.D
 Acq On : 26 Oct 2018 22:45
 Operator : JU/SJ
 Sample : J5675-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 23:42:42 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	124427	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	484425	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	190650	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	300216	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	212617	20.00	ng	-0.01
87) Perylene-d12	15.68	264	146826	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	734864	96.18	ng	0.00
7) Phenol-d6	6.59	99	915736	93.70	ng	-0.01
23) Nitrobenzene-d5	7.53	82	535296	65.54	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	148907	78.85	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	841845	69.34	ng	-0.01
79) Terphenyl-d14	13.09	244	619742	60.62	ng	-0.02

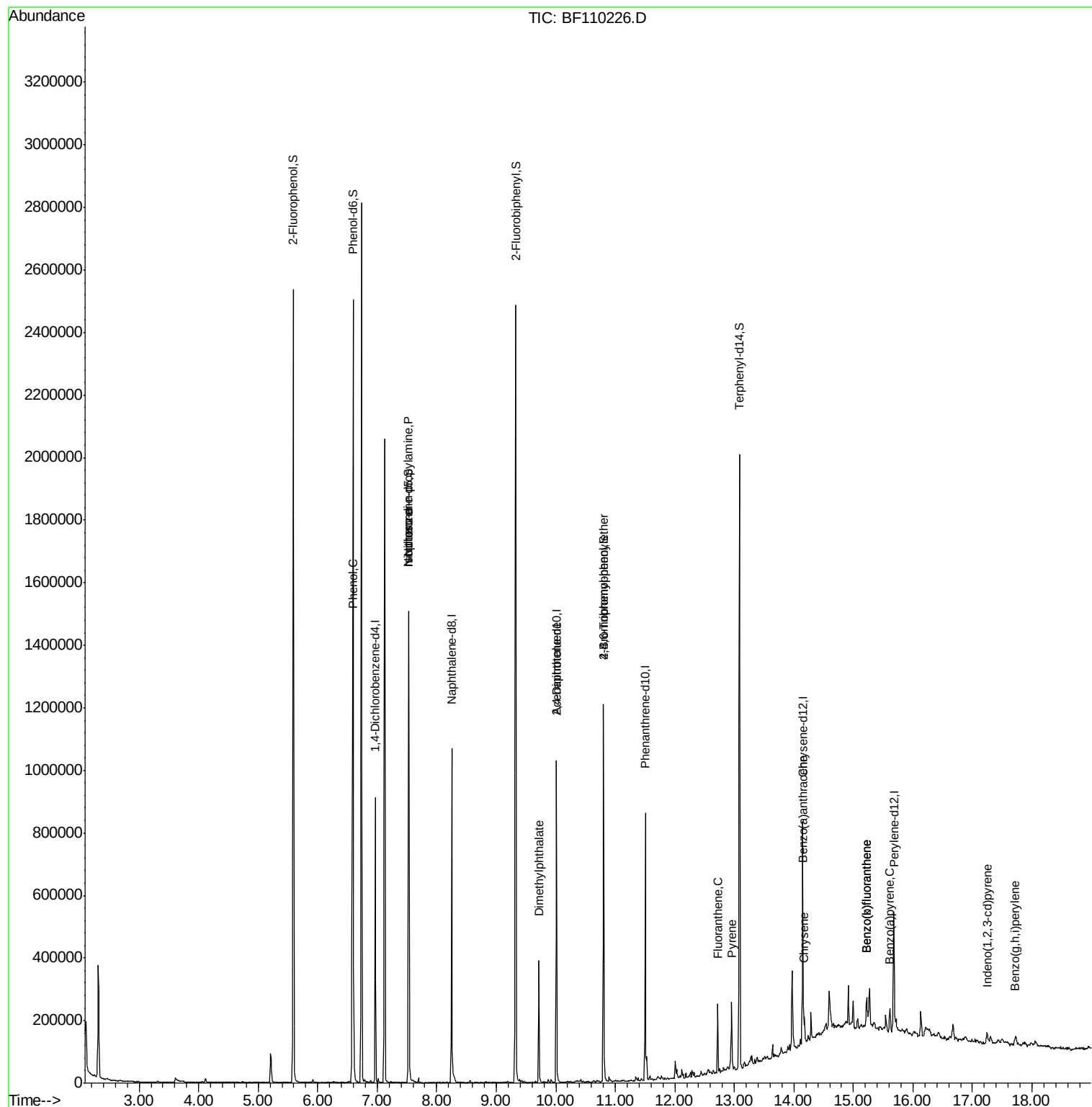
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	809	Below Cal	#	75
10) Phenol	6.60	94	64612	6.185 ng	#	64
19) n-Nitroso-di-n-propylamine	7.53	70	71429	11.392 ng	#	79
25) Isophorone	7.53	82	535375	38.455 ng	#	67
50) Dimethylphthalate	9.72	163	151293	10.750 ng		99
57) 2,4-Dinitrotoluene	10.01	165	24516	6.367 ng	#	19
67) 4-Bromophenyl-phenylether	10.80	248	9415	2.891 ng	#	1
75) Fluoranthene	12.72	202	79928	5.014 ng		99
78) Pyrene	12.95	202	79483	5.214 ng		97
81) Benzo(a)anthracene	14.14	228	44069	3.495 ng		97
83) Chrysene	14.17	228	41052	3.428 ng		97
86) Indeno(1,2,3-cd)pyrene	17.24	276	23038	2.319 ng		94
88) Benzo(b)fluoranthene	15.22	252	62473	7.368 ng	#	91
89) Benzo(k)fluoranthene	15.22	252	62473	7.495 ng	#	90
90) Benzo(a)pyrene	15.62	252	31940	4.094 ng	#	94
92) Benzo(g,h,i)perylene	17.72	276	22214	3.349 ng	#	86

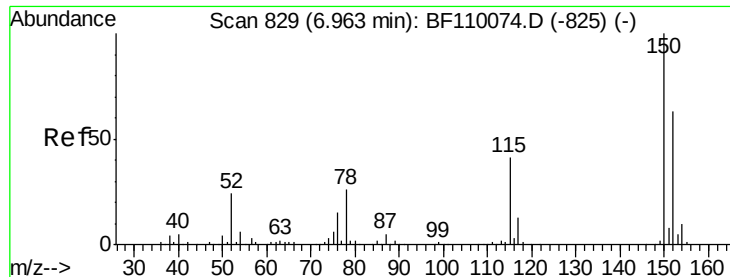
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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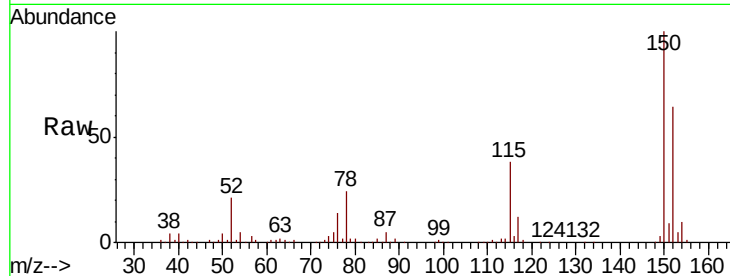


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.7	184.1
115	60.3	49.1	73.7

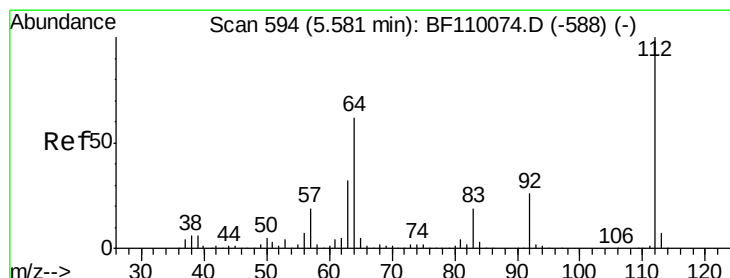
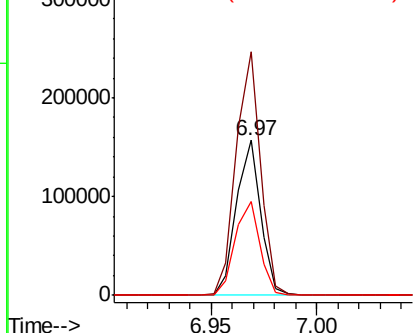
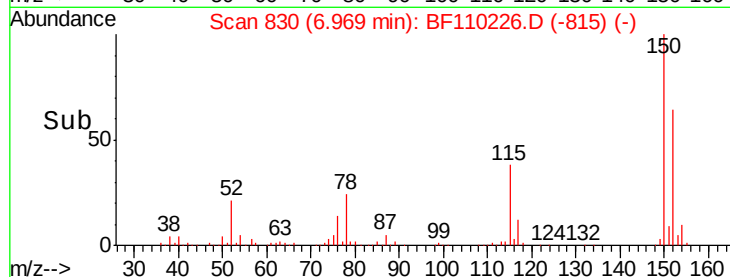


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

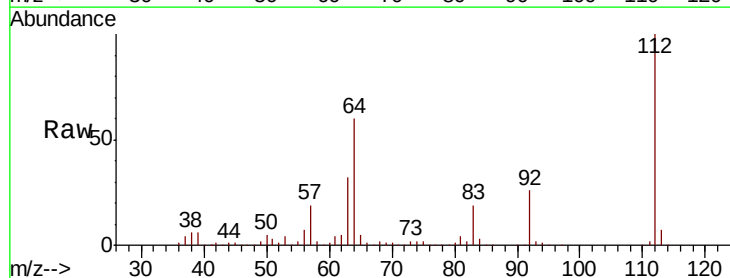
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.176 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	44.1	66.1
63	32.1	23.7	35.5

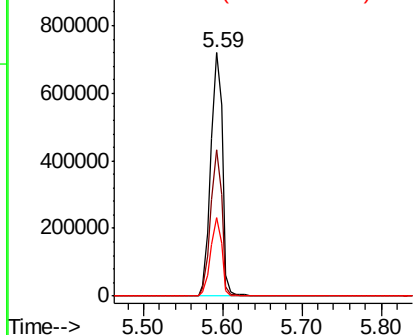
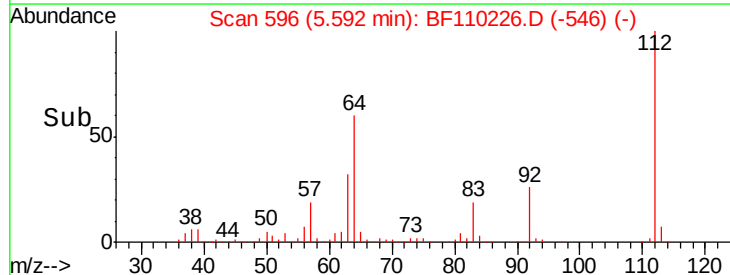


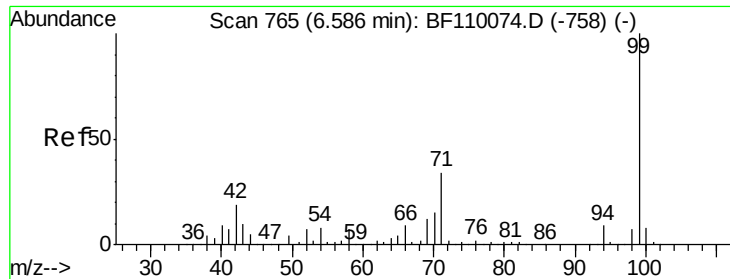
Abundance

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: 93.699 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

Instrument :

BNA_F

ClientSampled :

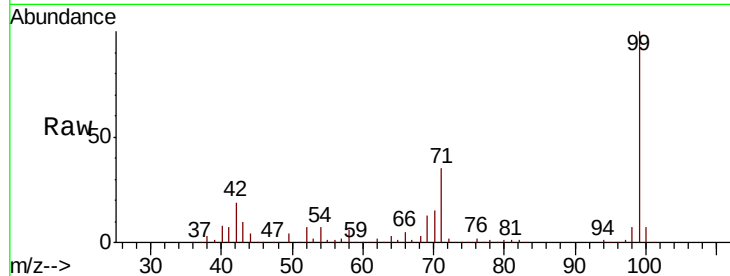
Tot Ion: 99 Resp: 915736

Ion Ratio Lower Upper

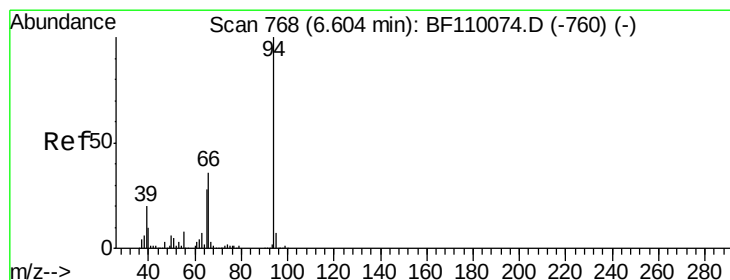
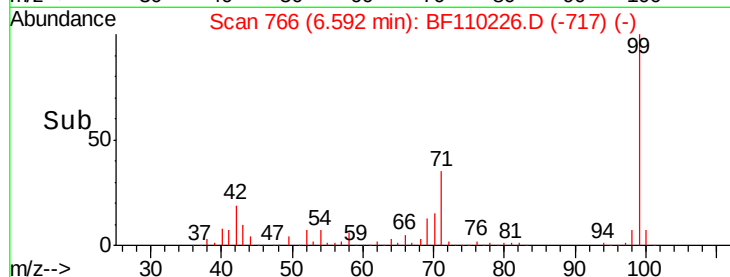
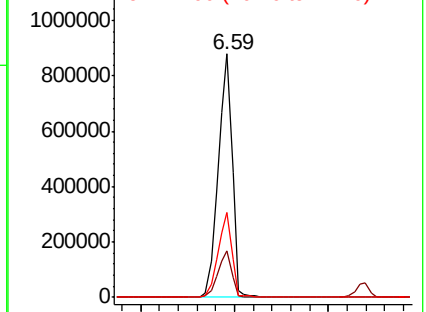
99 100

42 19.0 15.8 23.6

71 34.7 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: 6.185 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

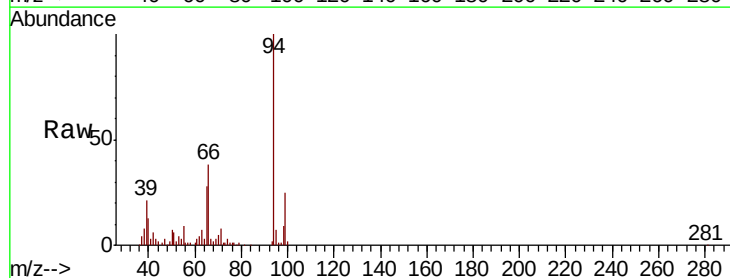
Tgt Ion: 94 Resp: 64612

Ion Ratio Lower Upper

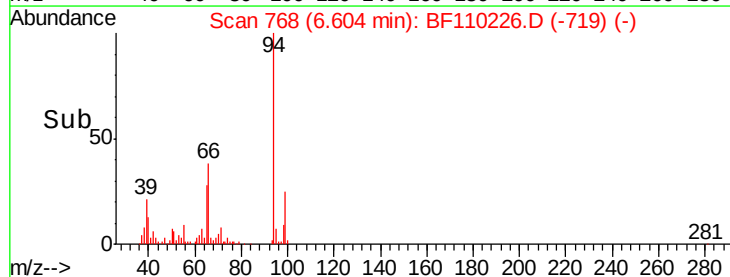
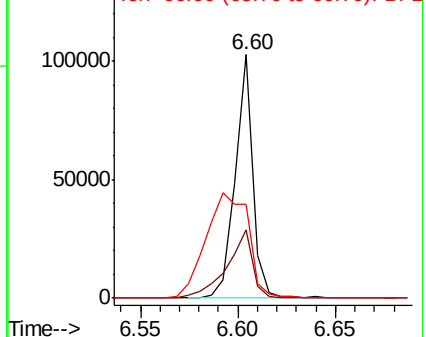
94 100

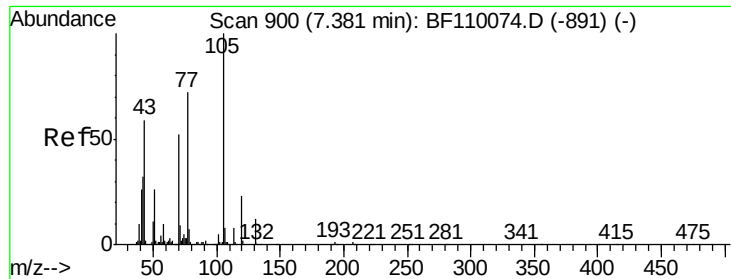
65 27.8 25.3 65.3

66 38.5 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: 11.392 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.14 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

Instrument :

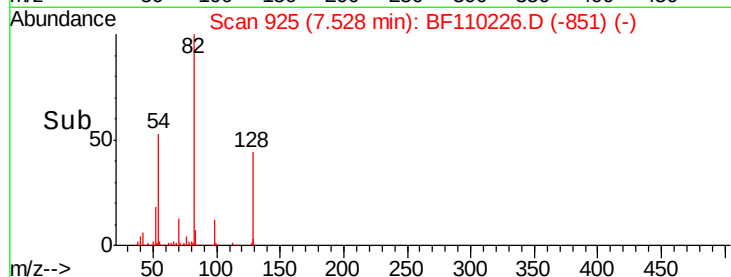
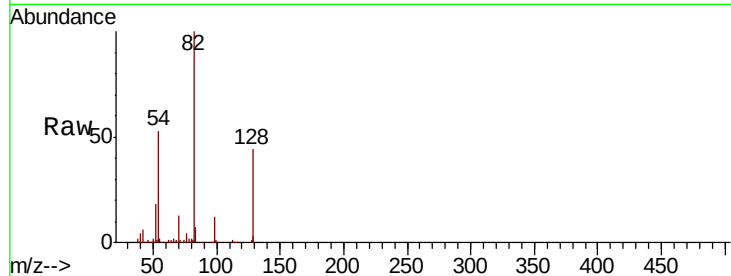
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 71429

Ion Ratio Lower Upper

70	100		
42	48.3	47.4	71.2
101	0.0	7.3	10.9#
130	2.1	16.2	24.2#



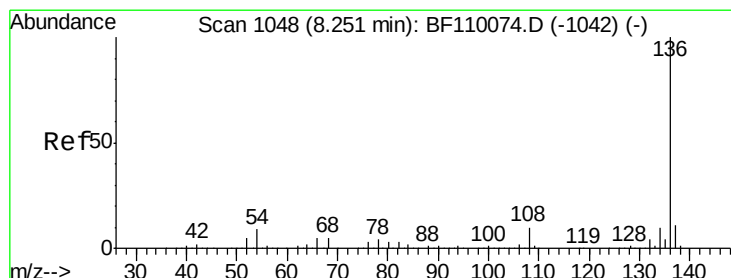
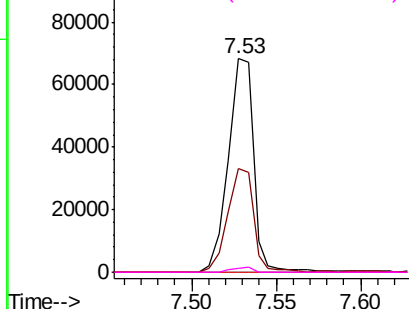
Abundance

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): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

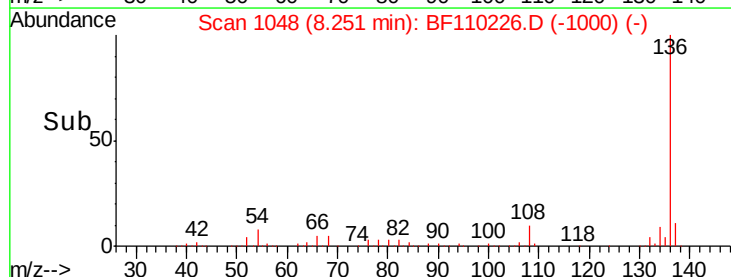
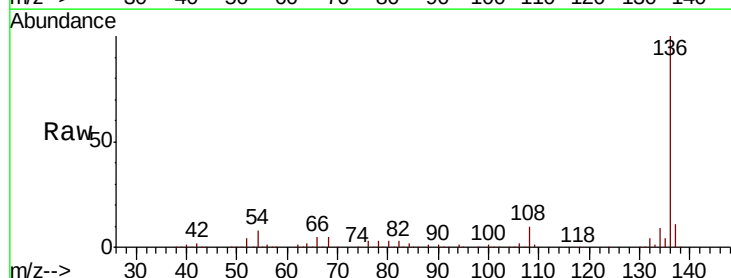
Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

Tgt Ion: 136 Resp: 484425

Ion Ratio Lower Upper

136	100		
137	10.7	8.8	13.2
54	7.7	5.4	8.2
68	5.3	4.2	6.2



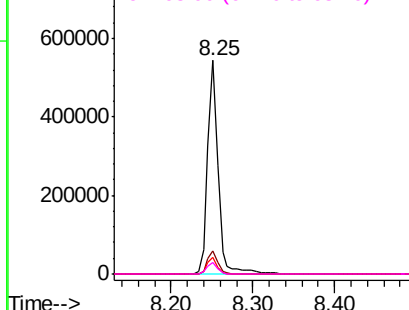
Abundance

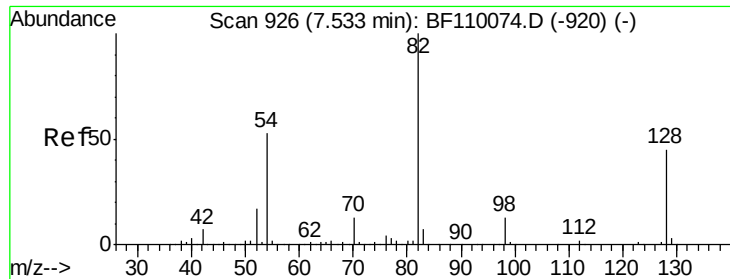
Ion 136.00 (135.70 to 136.70): E

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

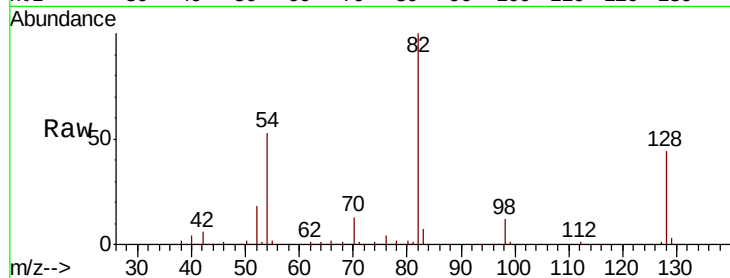




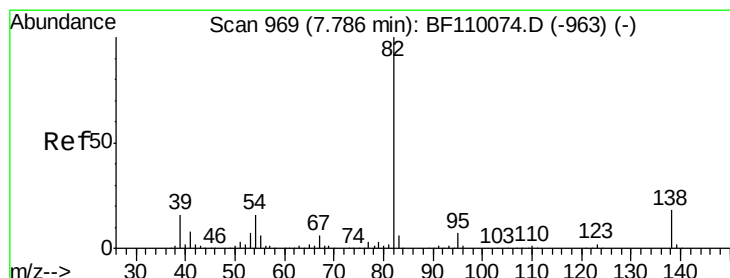
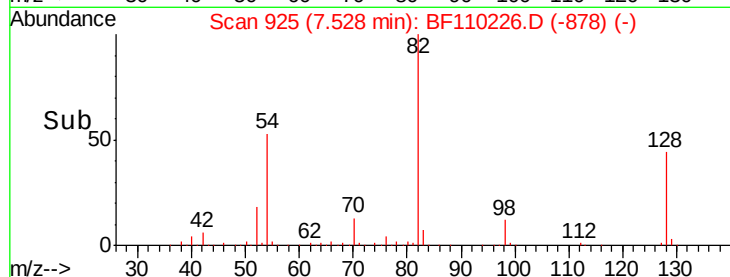
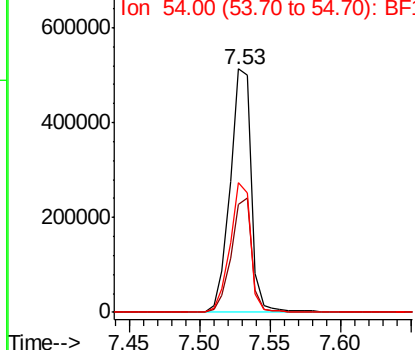
#23
Nitrobenzene-d5
Concen: 65.542 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleID :

Tot Ion	82	Resp	535296
Ion Ratio	Lower	Upper	
82	100		
128	44.1	34.2	51.2
54	53.2	38.6	58.0

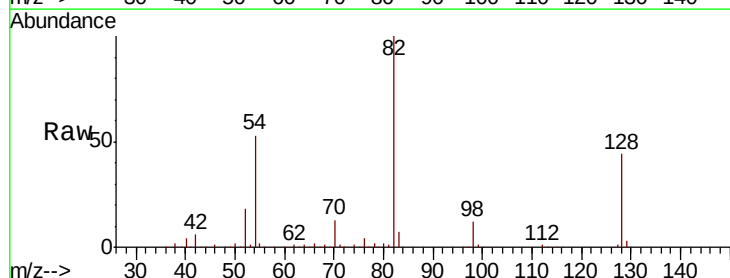


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

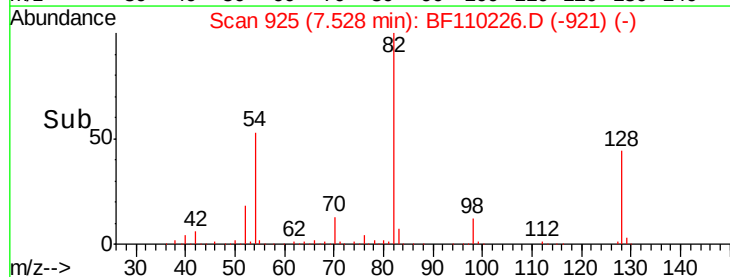
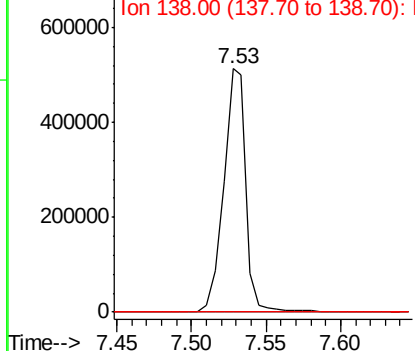


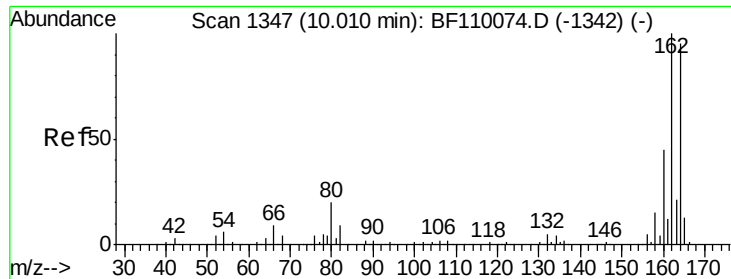
#25
Isophorone
Concen: 38.455 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Tgt Ion	82	Resp	535375
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: BF110226.D

Acq: 26 Oct 2018 22:45

Instrument :

BNA_F

ClientSampleId :

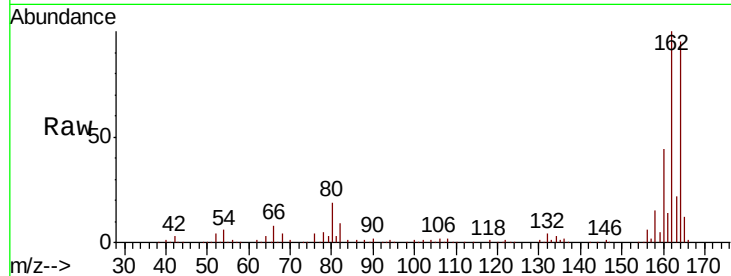
Tot Ion:164 Resp: 190650

Ion Ratio Lower Upper

164 100

162 105.8 83.0 124.6

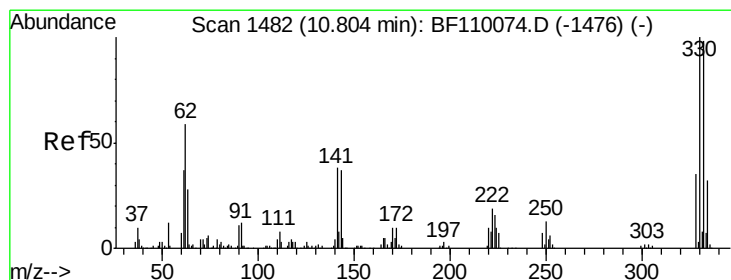
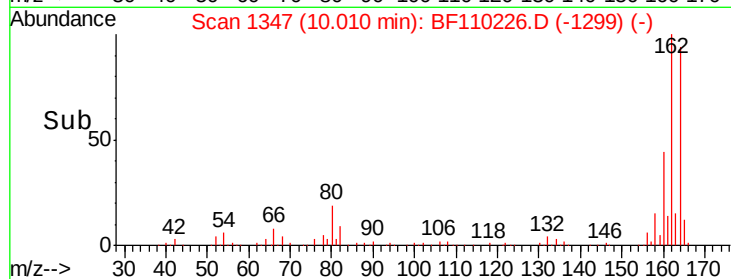
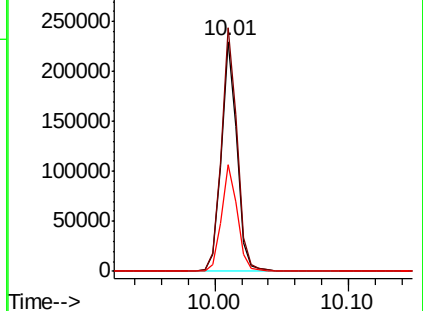
160 46.6 37.0 55.6



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: 78.849 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

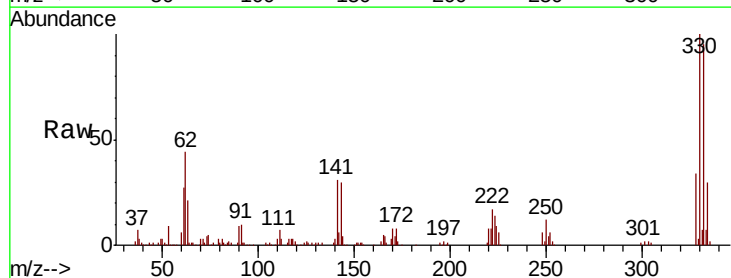
Tgt Ion:330 Resp: 148907

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

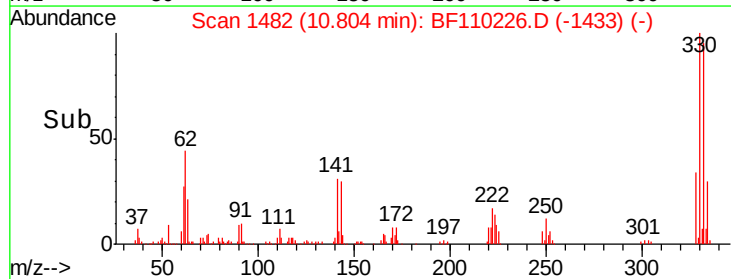
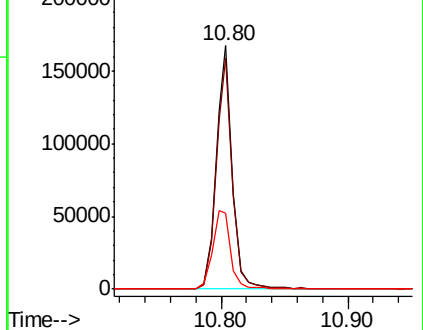
141 36.6 27.0 40.4

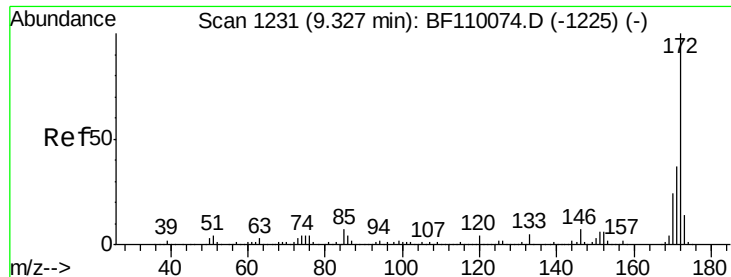


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

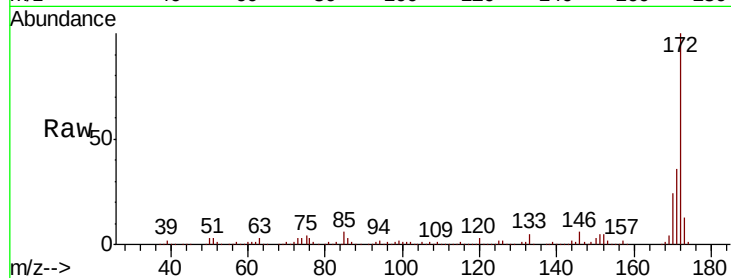




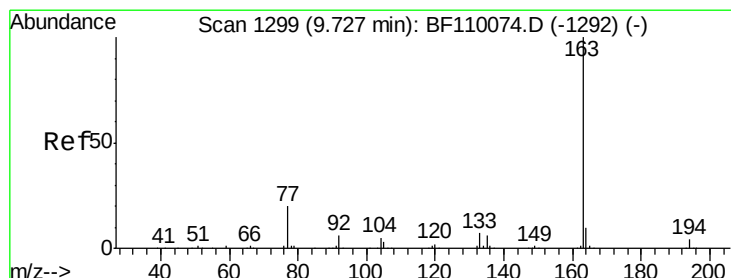
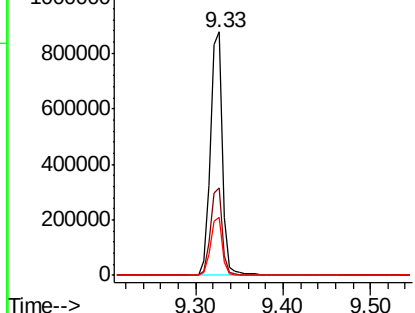
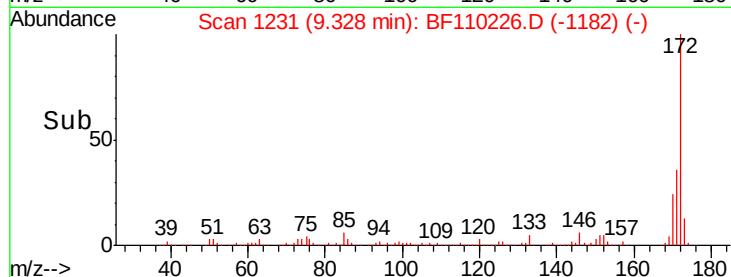
#45
2-Fluorobiphenyl
Concen: 69.337 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 841845
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.9 19.7 29.5

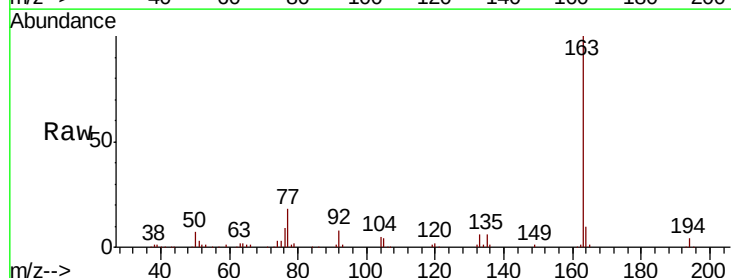


Abundance Ion 172.00 (171.70 to 172.70): E
1200000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

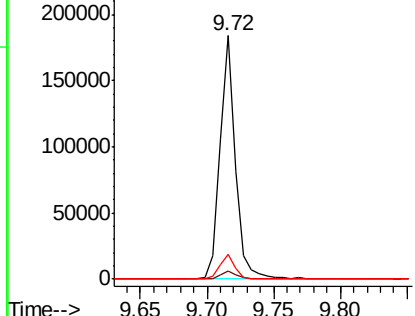
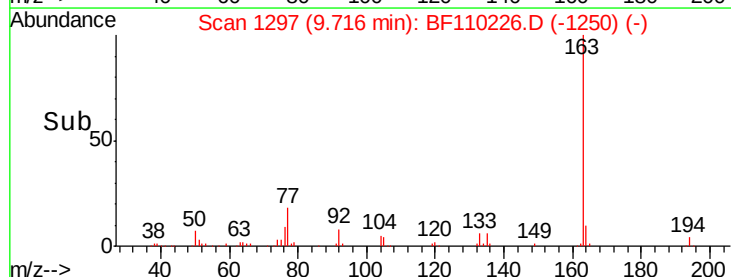


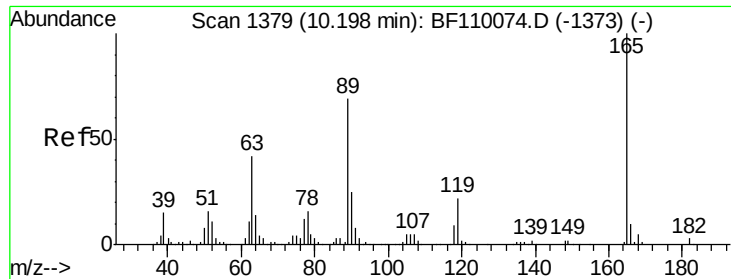
#50
Dimethylphthalate
Concen: 10.750 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Tgt Ion:163 Resp: 151293
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.2 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
250000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

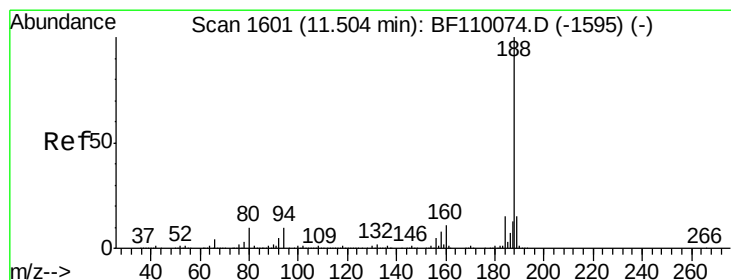
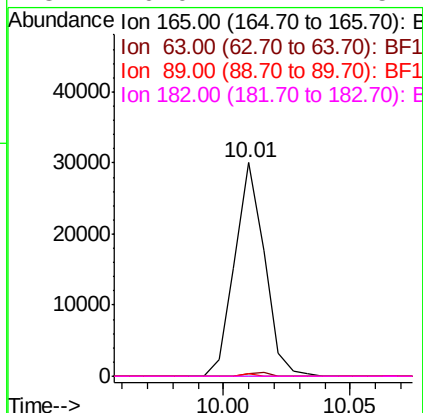
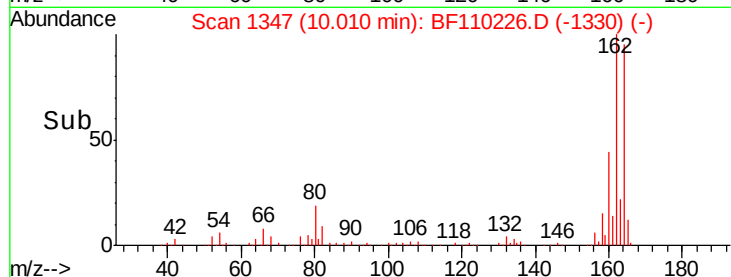
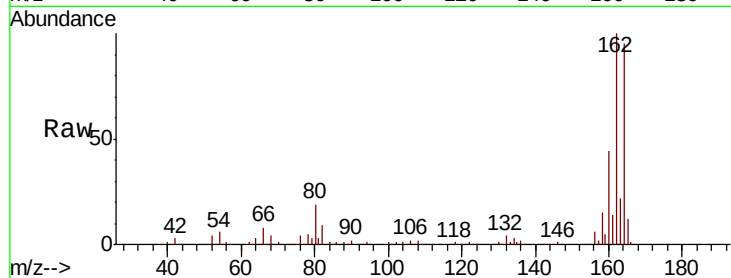




#57
 2,4-Dinitrotoluene
 Concen: 6.367 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110226.D
 Acq: 26 Oct 2018 22:45

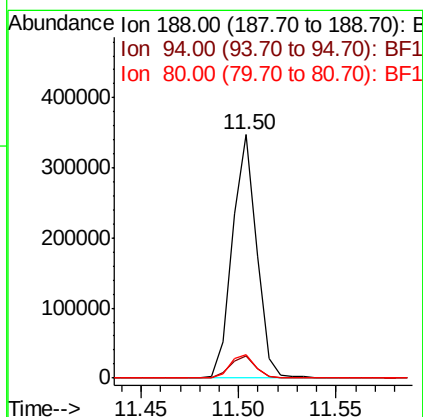
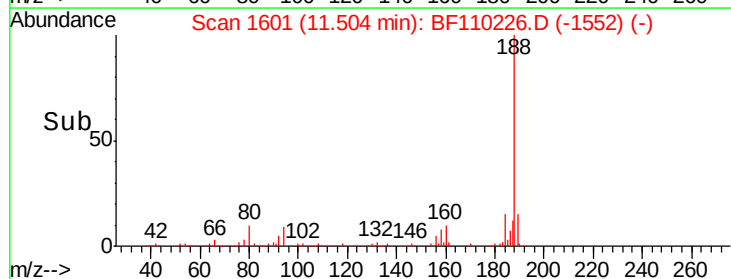
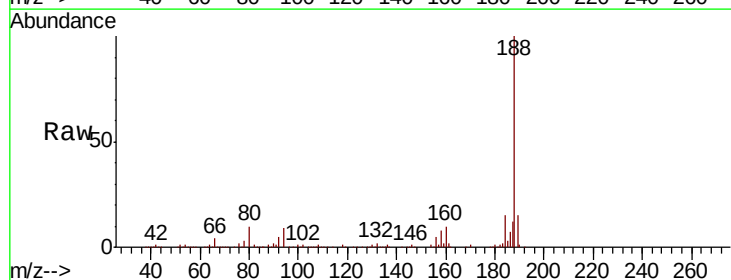
Instrument :
 BNA_F
 ClientSampleId :

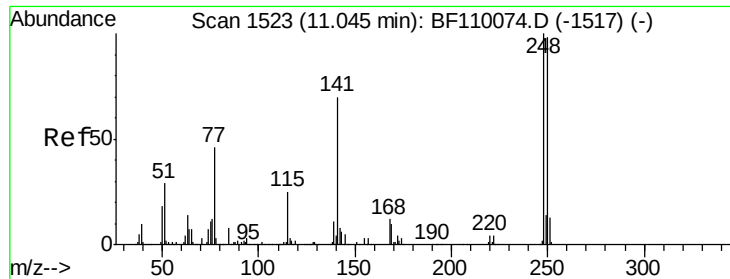
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110226.D
 Acq: 26 Oct 2018 22:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.6	7.9	11.9

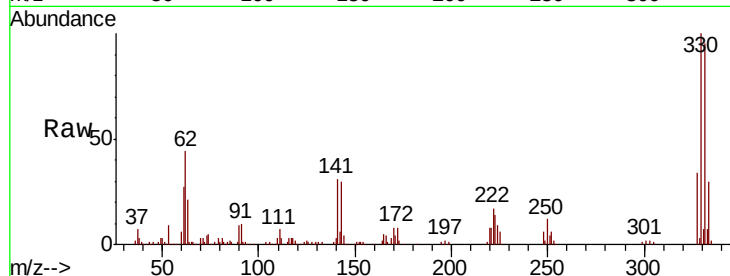




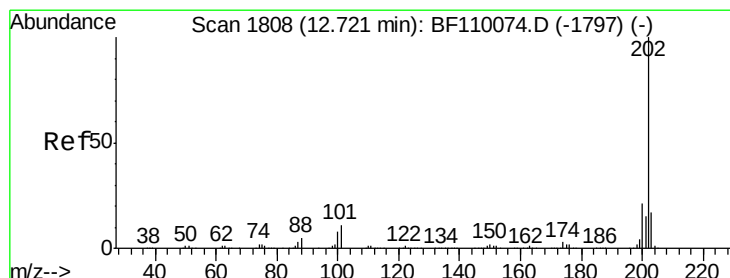
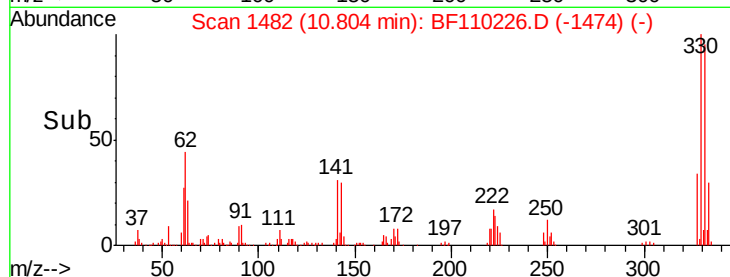
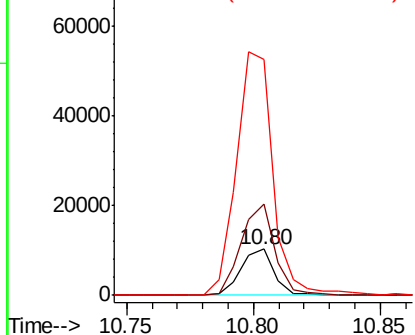
#67
4-Bromophenyl-phenylether
Concen: 2.891 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9415
Ion Ratio Lower Upper
248 100
250 199.6 79.4 119.2#
141 513.9 55.9 83.9#

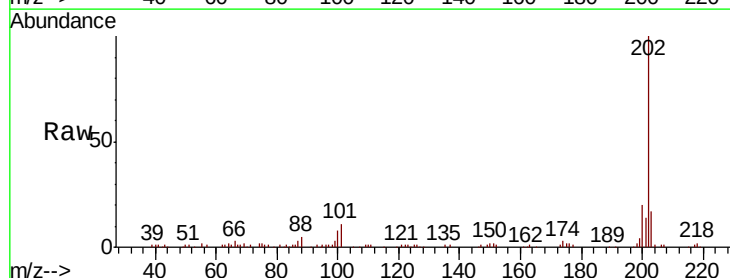


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

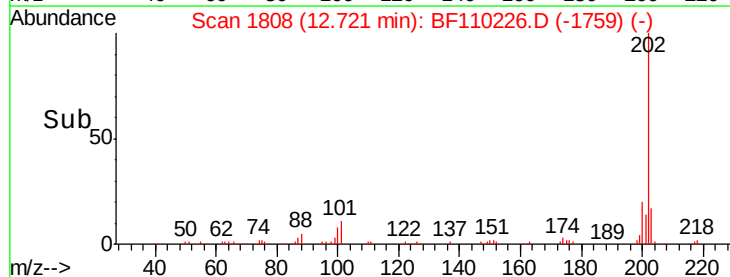
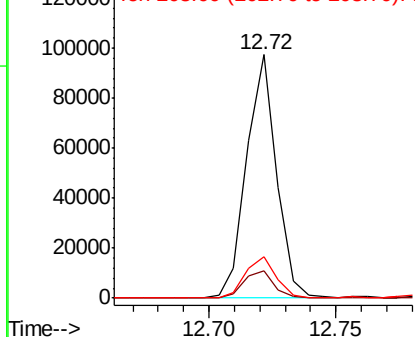


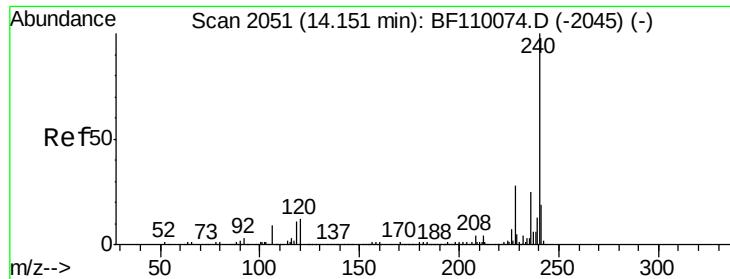
#75
Fluoranthene
Concen: 5.014 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Tgt Ion:202 Resp: 79928
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 17.2 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

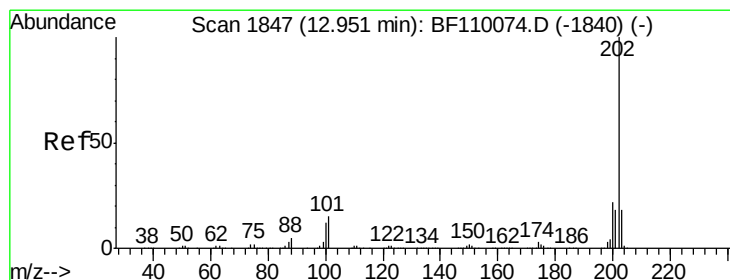
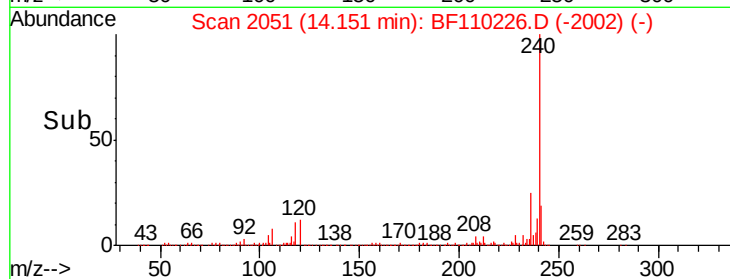
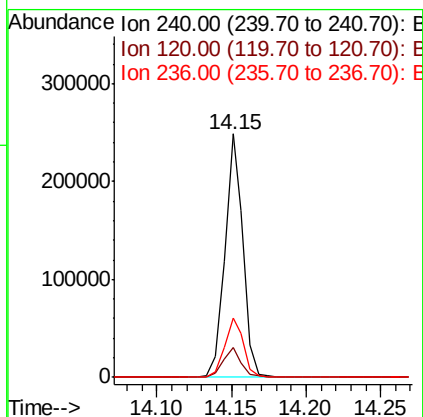
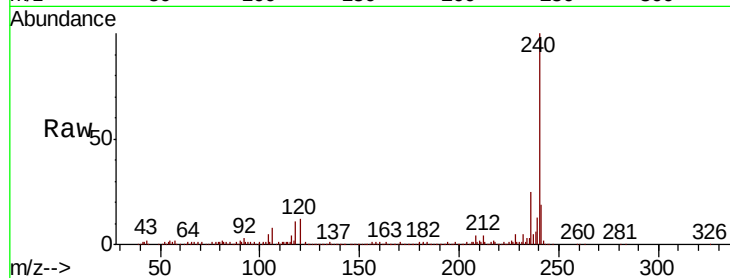




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

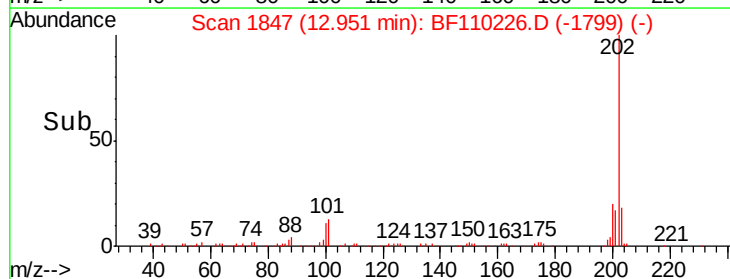
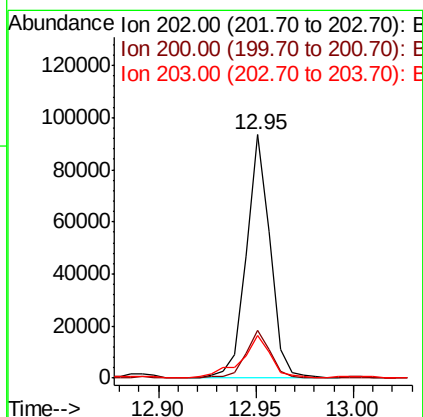
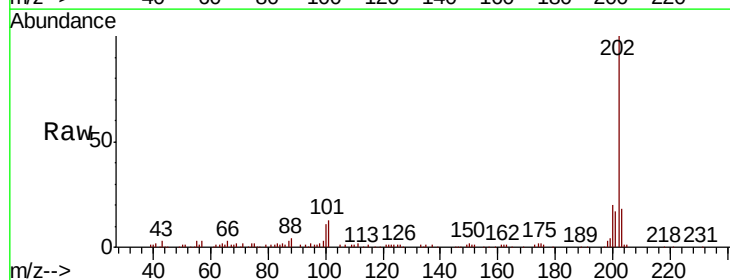
Instrument :
BNA_F
ClientSampleId :

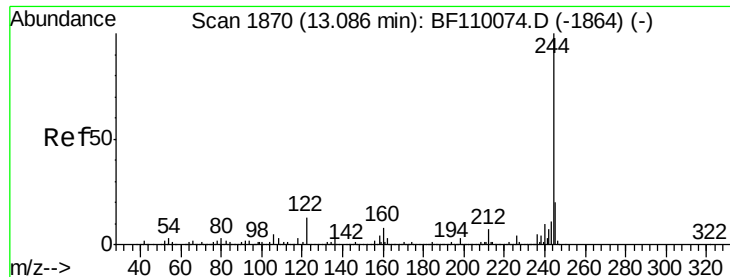
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	24.5	21.2	31.8



#78
Pyrene
Concen: 5.214 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.8	26.6
203	17.6	14.2	21.4

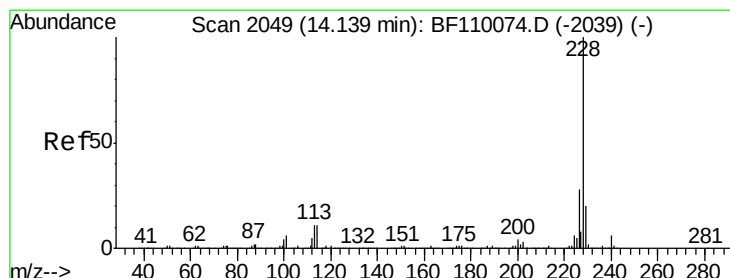
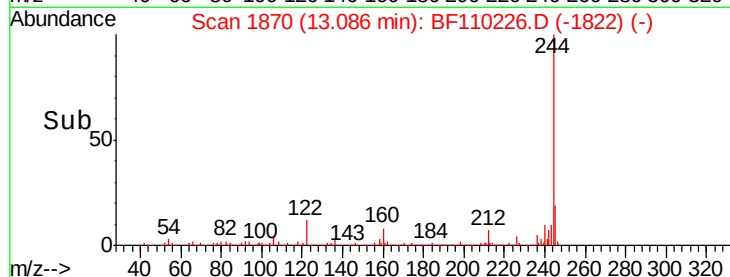
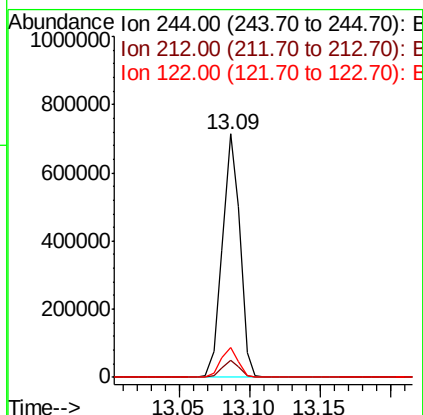
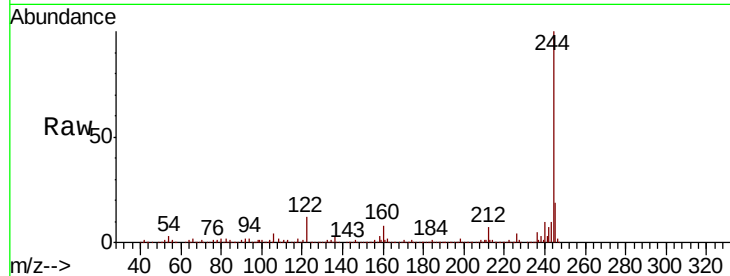




#79
 Terphenyl-d14
 Concen: 60.620 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110226.D
 Acq: 26 Oct 2018 22:45

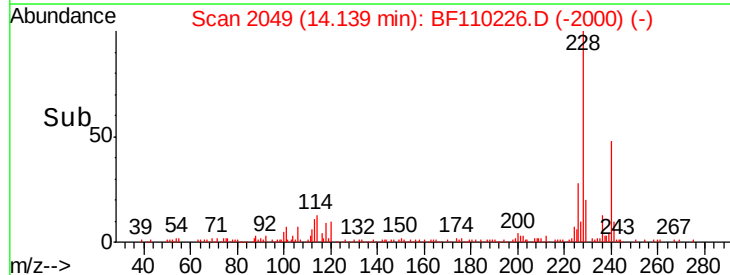
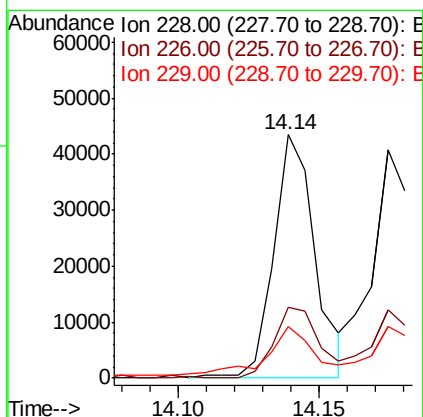
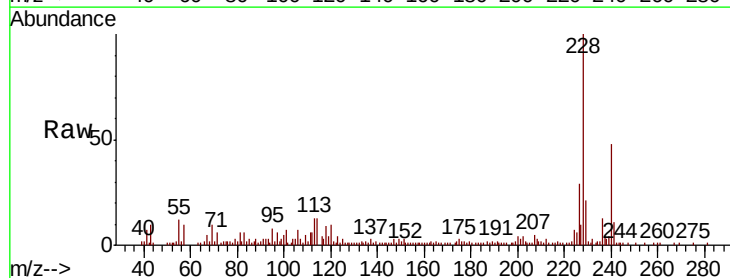
Instrument :
 BNA_F
 ClientSampleId :

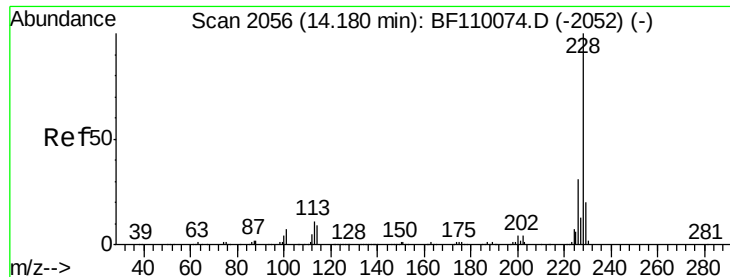
Tot Ion:244 Resp: 619742
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 12.5 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 3.495 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BF110226.D
 Acq: 26 Oct 2018 22:45

Tgt Ion:228 Resp: 44069
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.1 33.1
 229 21.0 15.6 23.4





#83

Chrysene

Concen: 3.428 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

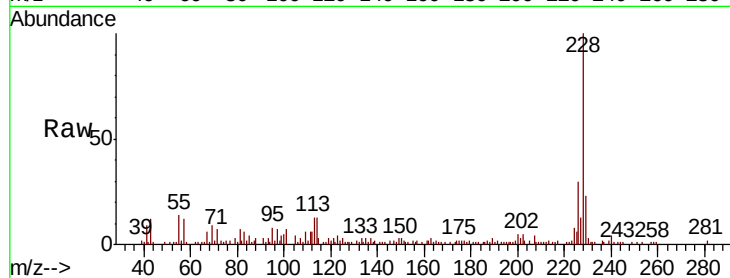
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 41052

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	22.5	15.9	23.9

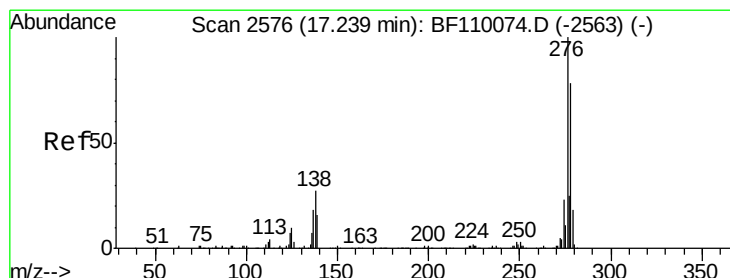
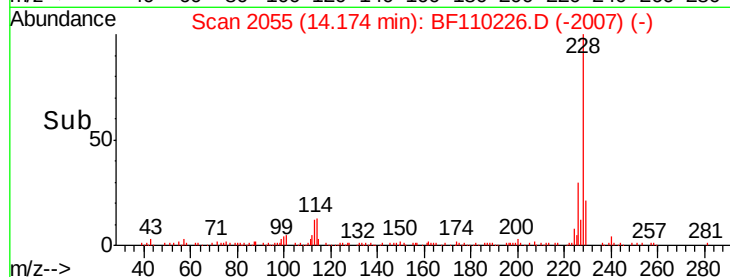
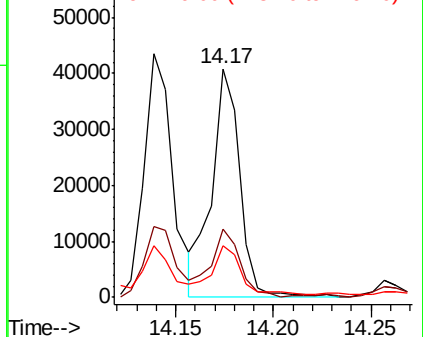


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.319 ng

RT: 17.24 min Scan# 2577

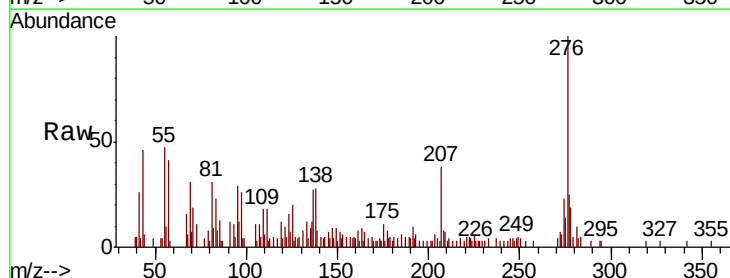
Delta R.T. -0.02 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

Tgt Ion:276 Resp: 23038

Ion	Ratio	Lower	Upper
276	100		
138	25.4	18.5	27.7
277	28.6	20.0	30.0

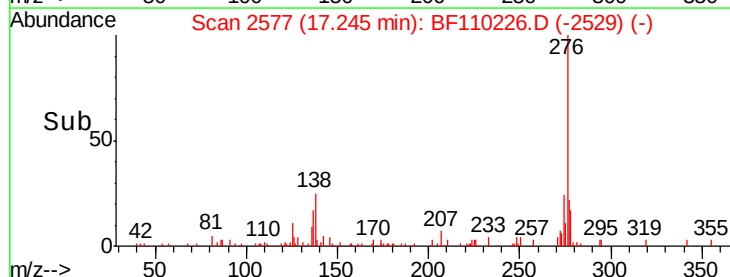
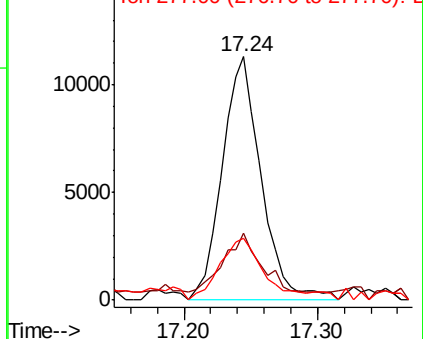


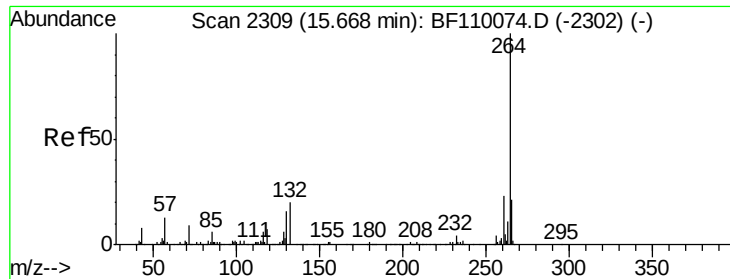
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

Instrument :

BNA_F

ClientSampleId :

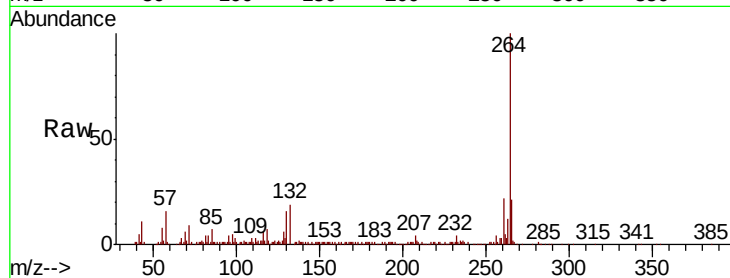
Tot Ion:264 Resp: 146826

Ion Ratio Lower Upper

264 100

260 21.9 18.7 28.1

265 20.9 16.7 25.1

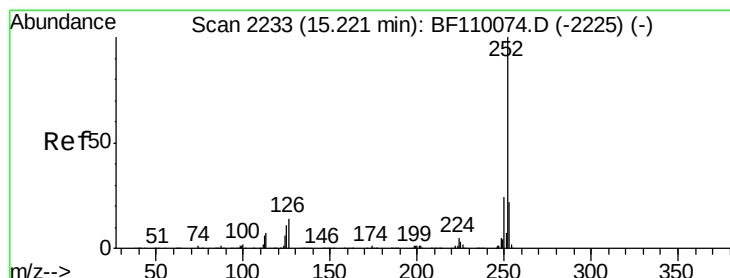
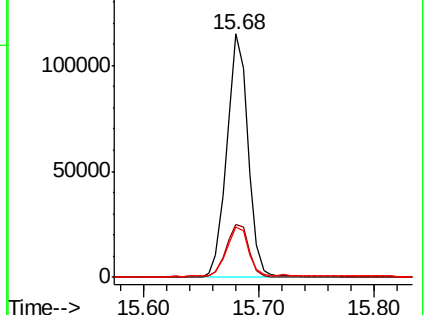
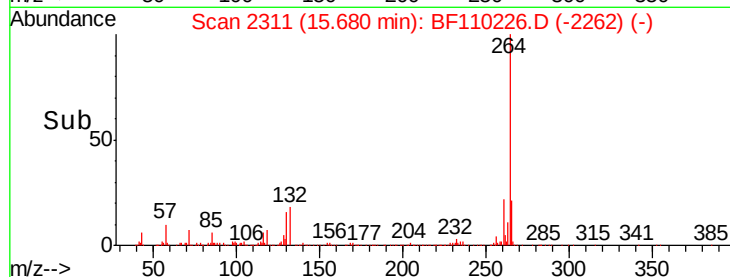


Abundance

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: 7.368 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF110226.D

Acq: 26 Oct 2018 22:45

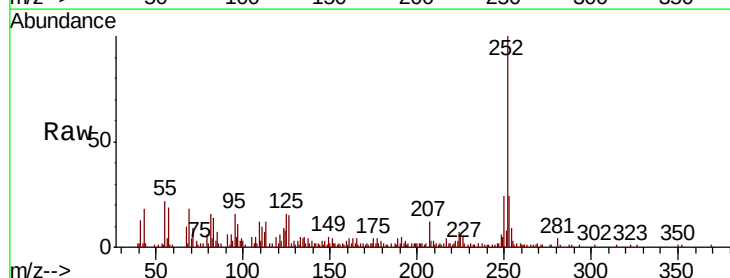
Tgt Ion:252 Resp: 62473

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 16.5 8.2 12.4#

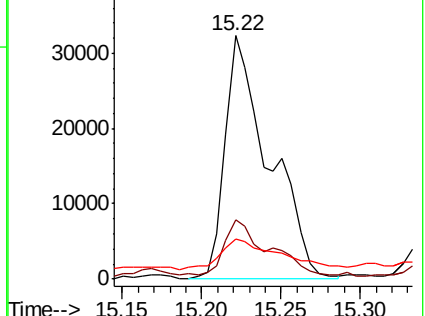
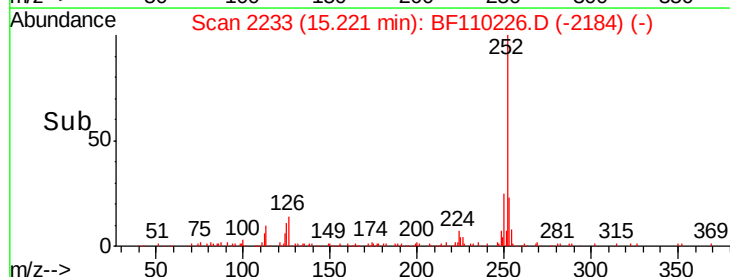


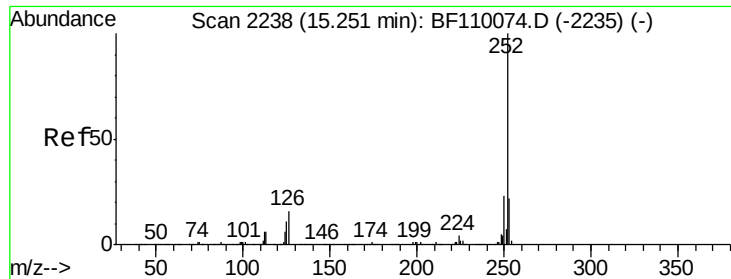
Abundance

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

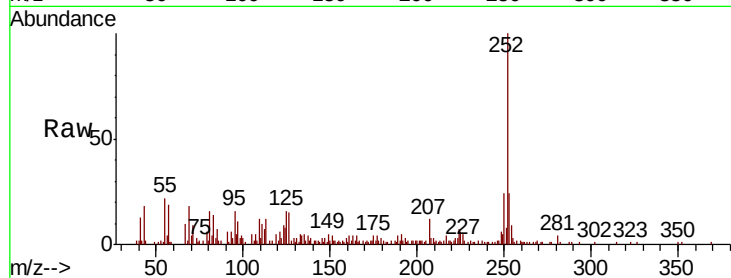




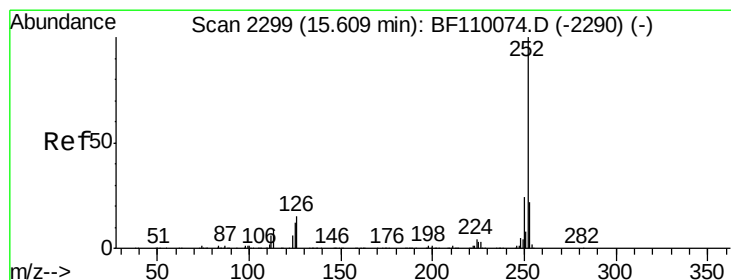
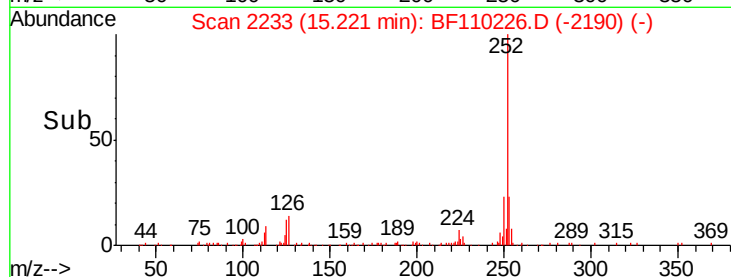
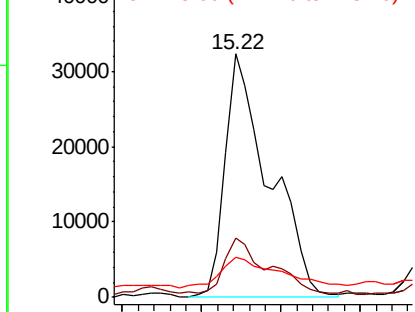
#89
Benzo(k)fluoranthene
Concen: 7.495 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62473
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 16.5 7.4 11.0#

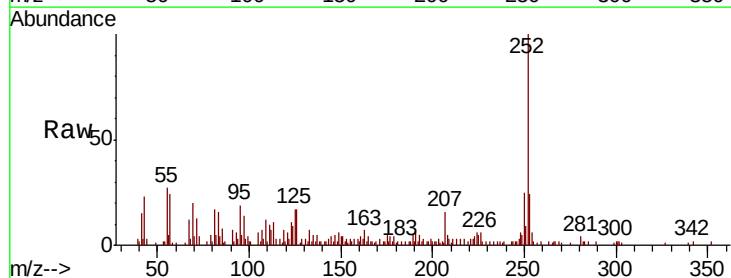


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

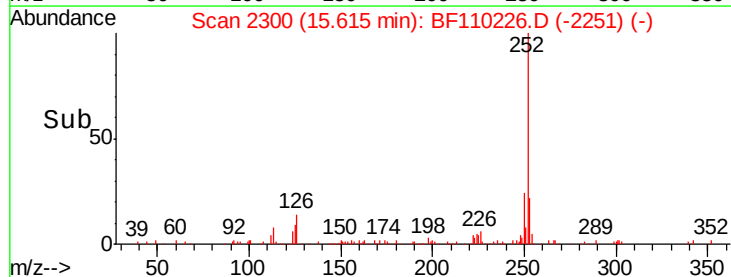
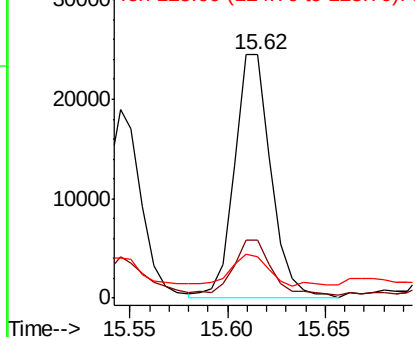


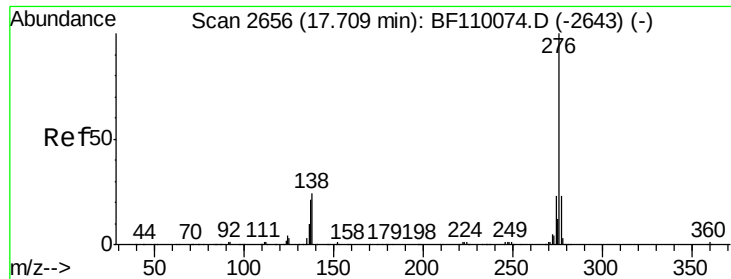
#90
Benzo(a)pyrene
Concen: 4.094 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110226.D
Acq: 26 Oct 2018 22:45

Tgt Ion:252 Resp: 31940
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.4
125 16.9 9.0 13.6#



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





#92
 Benzo(a,h,i)perylene
 Concen: 3.349 ng
 RT: 17.72 min Scan# 2658
 Delta R.T. -0.02 min
 Lab File: BF110226.D
 Acq: 26 Oct 2018 22:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	31.3	16.0	24.0

