

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110431.D
 Acq On : 3 Nov 2018 00:09
 Operator : JU/SJ
 Sample : J5769-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:53:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	78297	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	286624	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	113499	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	191249	20.00	ng	0.00
76) Chrysene-d12	14.13	240	144693	20.00	ng	0.00
87) Perylene-d12	15.66	264	109370	20.00	ng	0.00

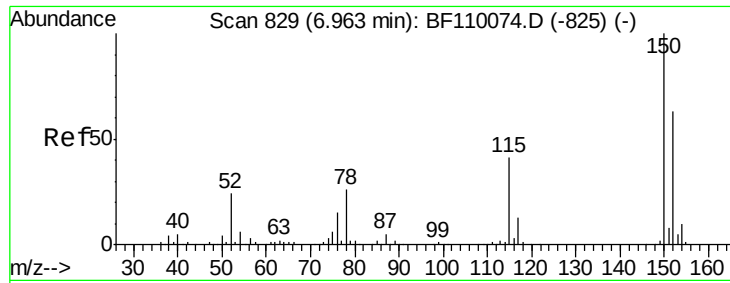
System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	383580	79.78	ng	0.00
7) Phenol-d6	6.58	99	476368	77.46	ng	0.00
23) Nitrobenzene-d5	7.52	82	279077	57.75	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	83788	74.53	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	515146	71.27	ng	0.00
79) Terphenyl-d14	13.07	244	418125	60.10	ng	0.00

Target Compounds

					Qvalue	
9) Benzaldehyde	6.59	77	1069	Below Cal	#	1
10) Phenol	6.59	94	29463	4.482 ng	#	64
19) n-Nitroso-di-n-propylamine	7.52	70	36401	9.226 ng	#	80
25) Isophorone	7.52	82	279074	33.879 ng	#	67
50) Dimethylphthalate	9.70	163	72189	8.616 ng		99
57) 2,4-Dinitrotoluene	10.00	165	13887	6.058 ng	#	17
67) 4-Bromophenyl-phenylether	10.79	248	5433	2.619 ng	#	1
71) Phenanthrene	11.51	178	122250	12.216 ng		99
72) Anthracene	11.56	178	23527	2.346 ng		97
75) Fluoranthene	12.70	202	350227	34.485 ng		100
78) Pyrene	12.94	202	315058	30.372 ng		99
81) Benzo(a)anthracene	14.13	228	144658	16.859 ng		97
83) Chrysene	14.16	228	149505	18.344 ng		99
84) Bis(2-ethylhexyl)phthalate	14.09	149	18226	2.995 ng	#	99
86) Indeno(1,2,3-cd)pyrene	17.23	276	64042	9.472 ng		98
88) Benzo(b)fluoranthene	15.20	252	217206	34.391 ng		98
89) Benzo(k)fluoranthene	15.20	252	217206	34.983 ng	#	97
90) Benzo(a)pyrene	15.60	252	102616	17.657 ng		98
91) Dibenzo(a,h)anthracene	17.23	278	16615	3.313 ng	#	77
92) Benzo(a,h,i)perylene	17.70	276	60792	12.303 ng	#	94

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

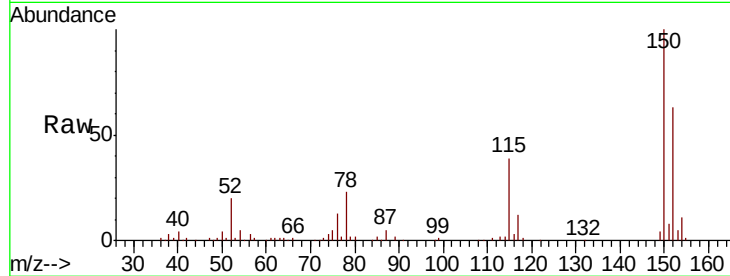


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	61.8	49.1	73.7

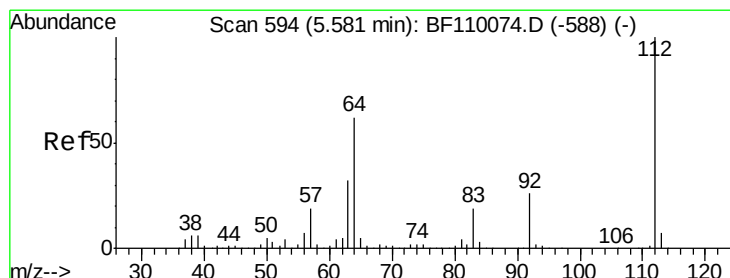
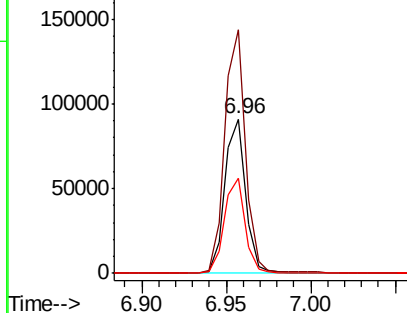
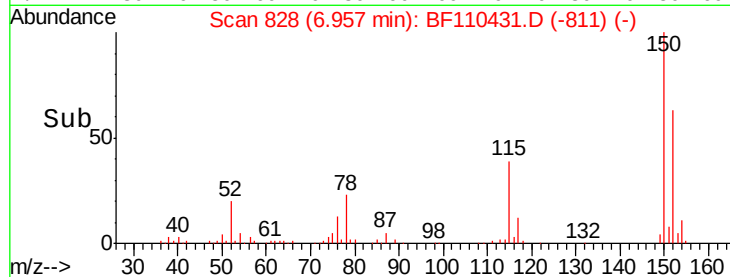


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

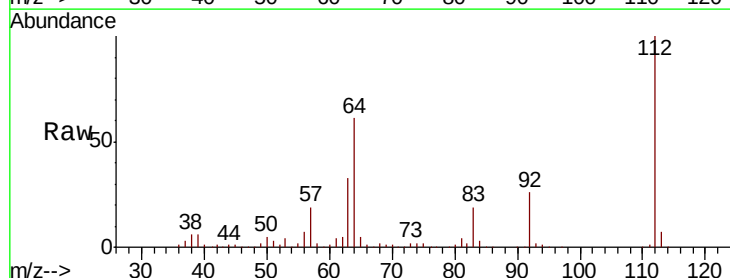
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.778 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	44.1	66.1
63	32.9	23.7	35.5

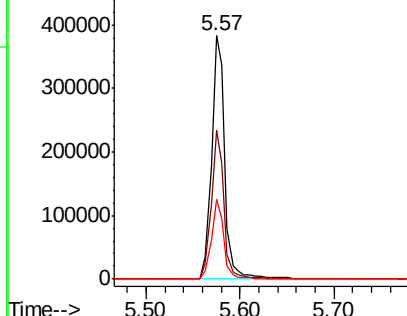
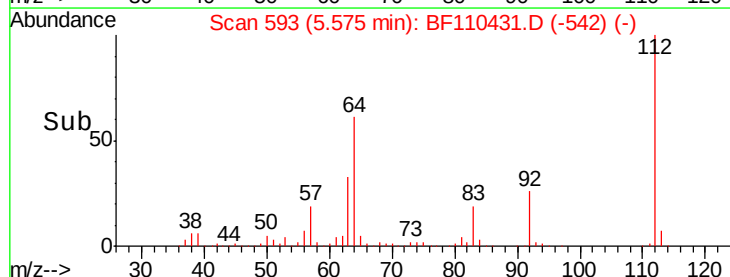


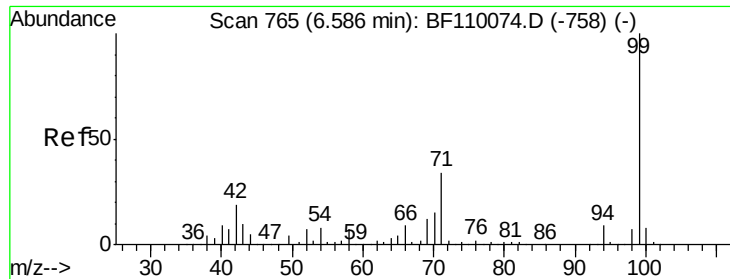
Abundance

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: 77.460 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

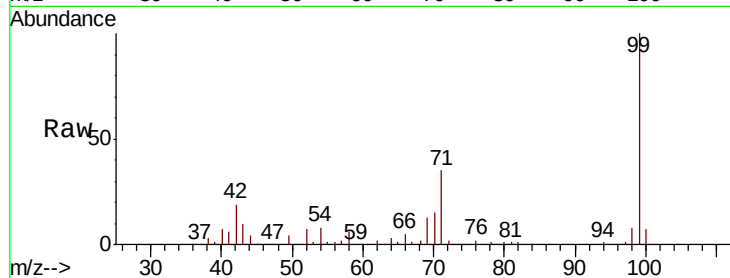
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 476368

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.8	23.6
71	35.1	28.0	42.0

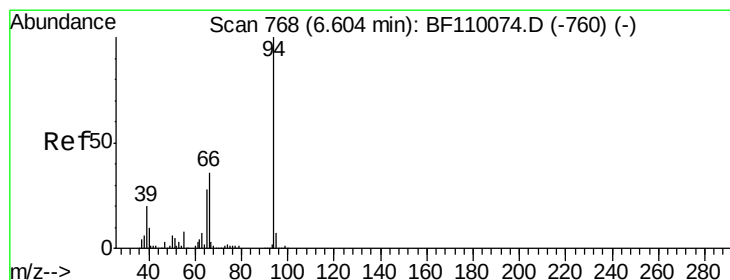
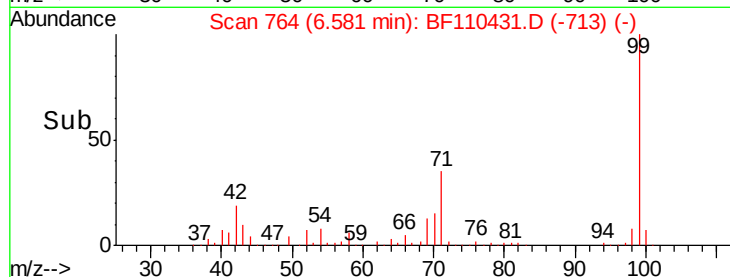
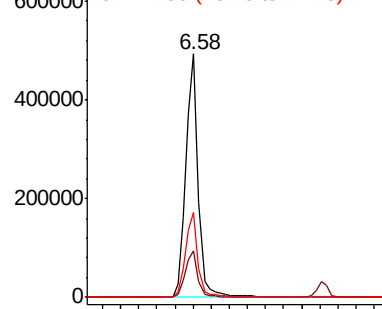


Abundance

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: 4.482 ng

RT: 6.59 min Scan# 766

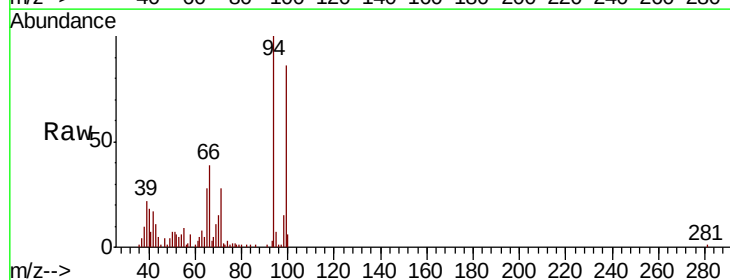
Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Tgt Ion: 94 Resp: 29463

Ion	Ratio	Lower	Upper
94	100		
65	27.9	25.3	65.3
66	39.1	54.5	94.5#

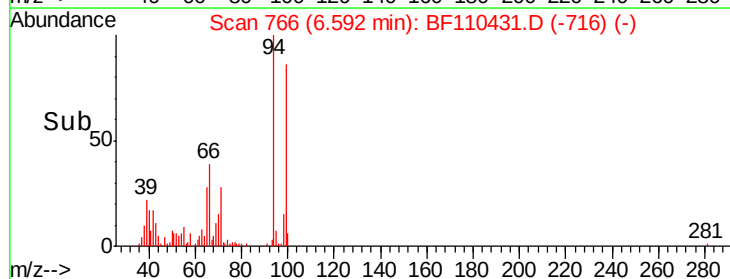
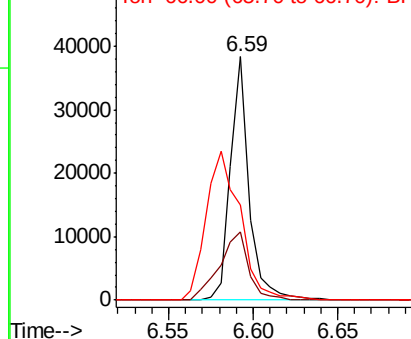


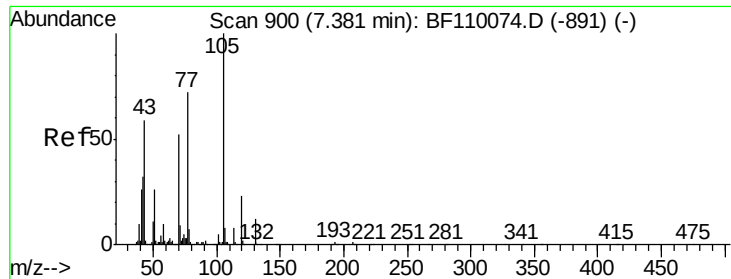
Abundance

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

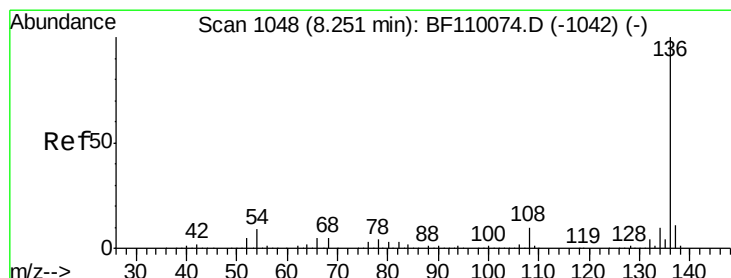
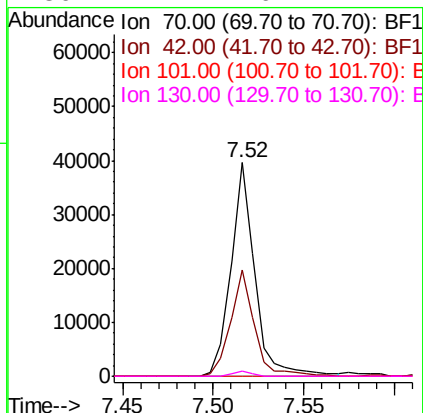
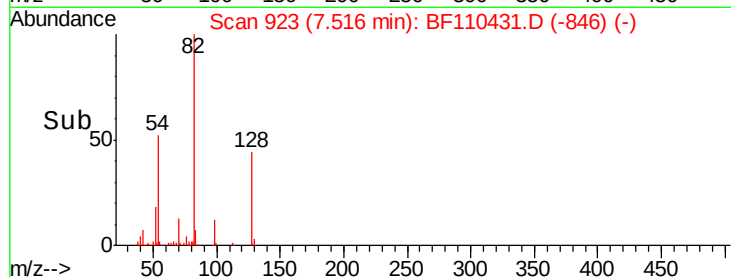
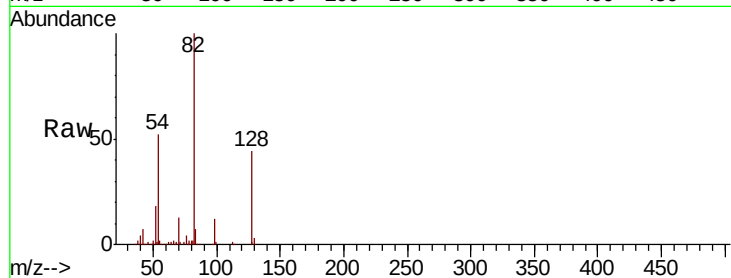




#19
n-Nitroso-di-n-propylamine
Concen: 9.226 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

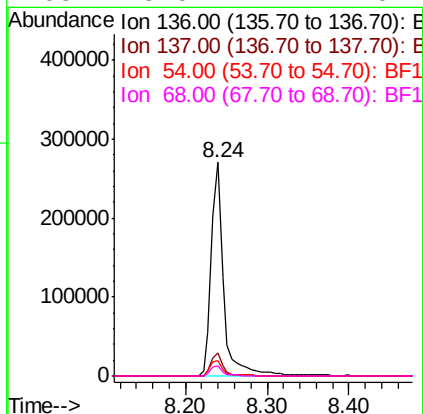
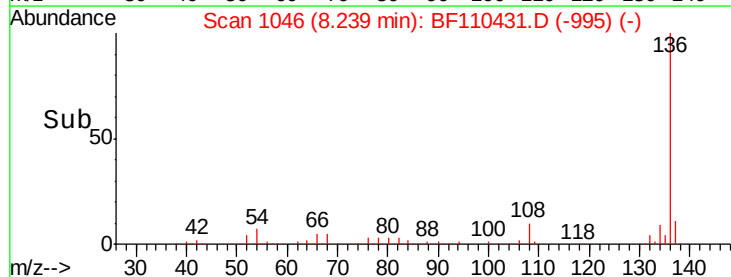
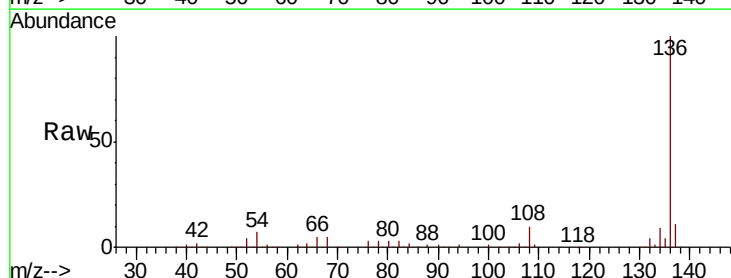
Instrument :
BNA_F
ClientSampleId :

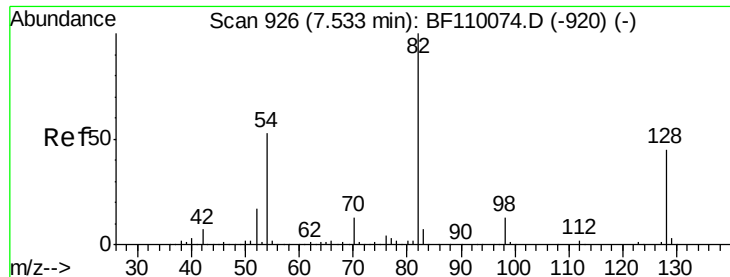
Tot Ion: 70 Resp: 36401
Ion Ratio Lower Upper
70 100
42 50.0 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Tgt Ion: 136 Resp: 286624
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.2 5.4 8.2
68 5.0 4.2 6.2

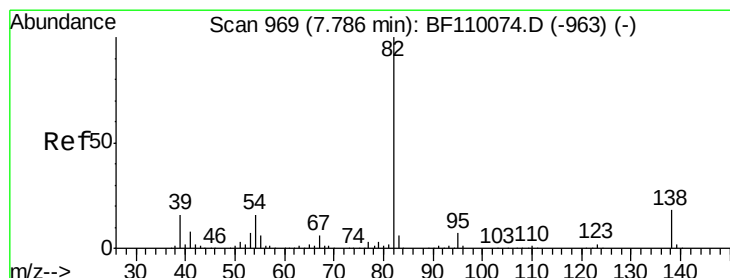
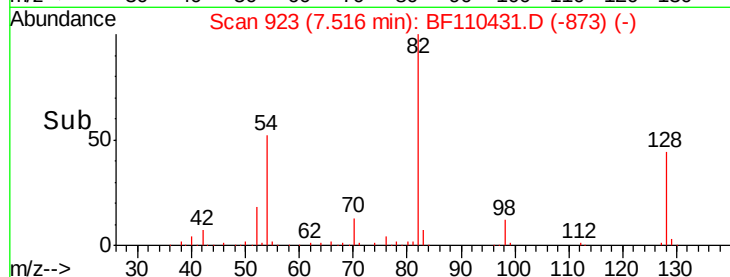
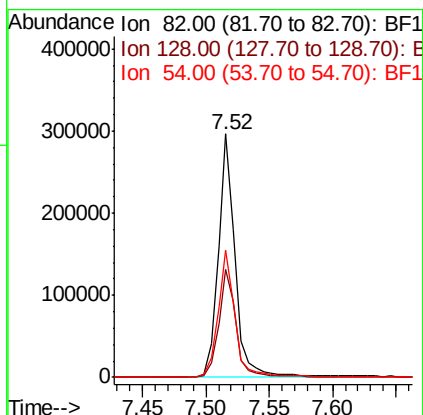
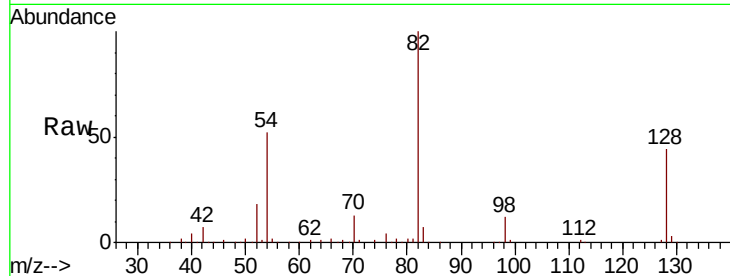




#23
Nitrobenzene-d5
Concen: 57.751 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

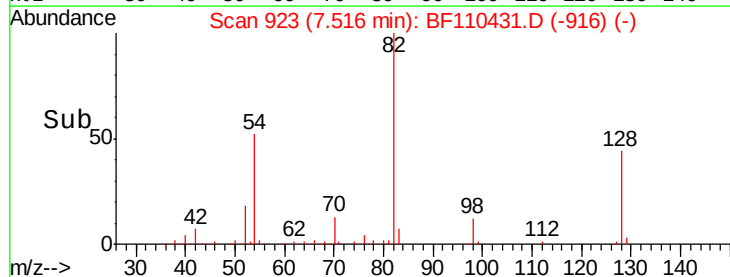
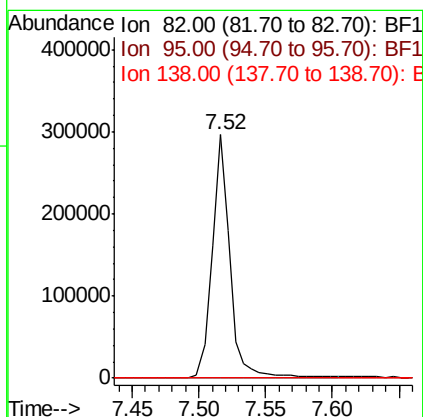
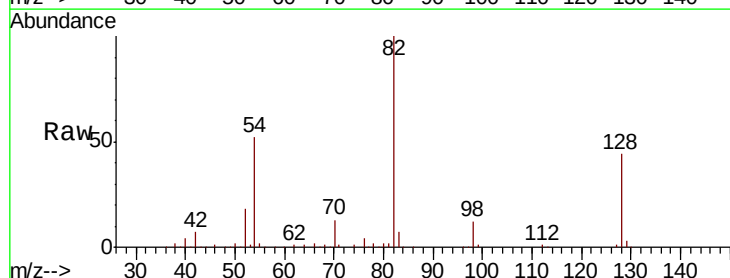
Instrument :
BNA_F
ClientSampled :

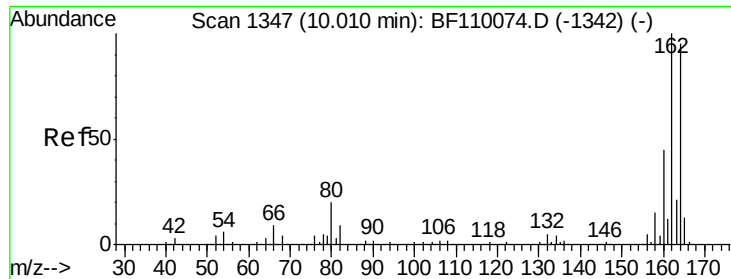
Tot Ion: 82 Resp: 279077
Ion Ratio Lower Upper
82 100
128 44.1 34.2 51.2
54 52.4 38.6 58.0



#25
Isophorone
Concen: 33.879 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Tgt Ion: 82 Resp: 279074
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Instrument :

BNA_F

ClientSampleId :

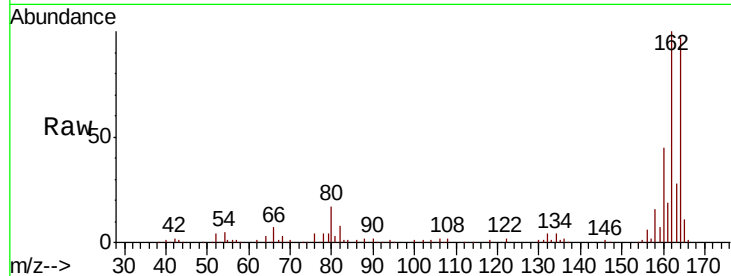
Tot Ion:164 Resp: 113499

Ion Ratio Lower Upper

164 100

162 102.7 83.0 124.6

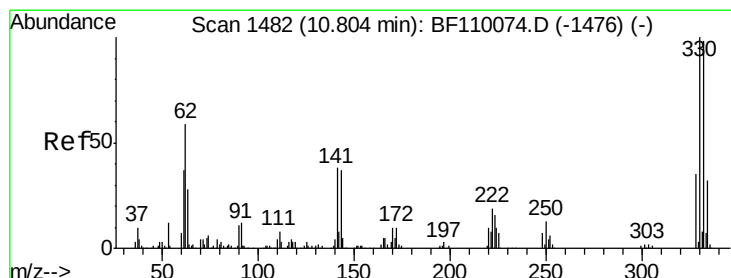
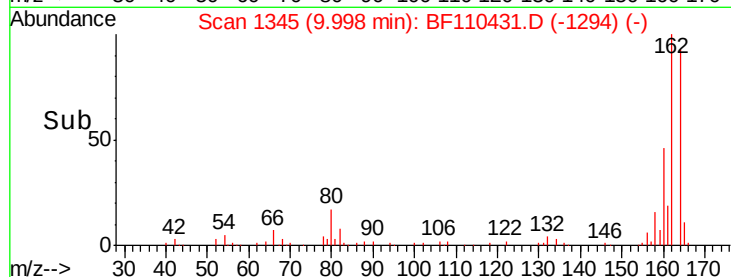
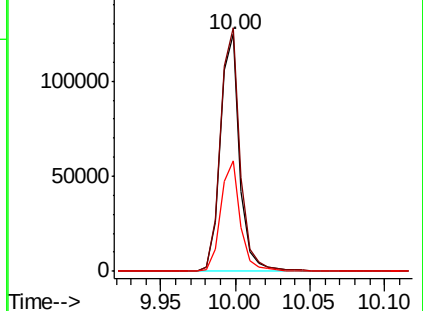
160 46.5 37.0 55.6



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: 74.526 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

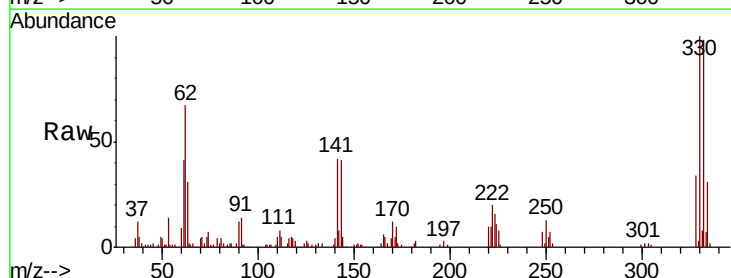
Tgt Ion:330 Resp: 83788

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

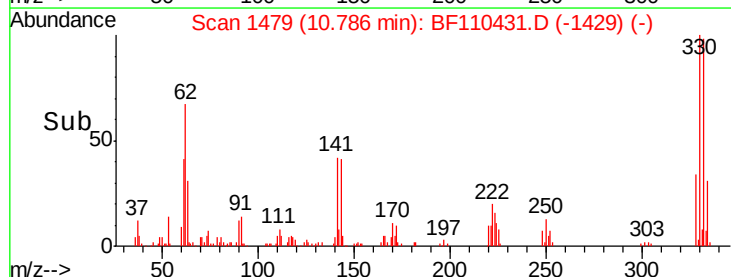
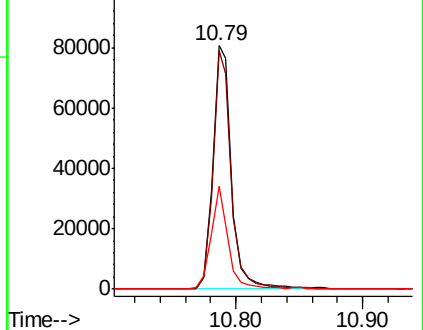
141 38.1 27.0 40.4

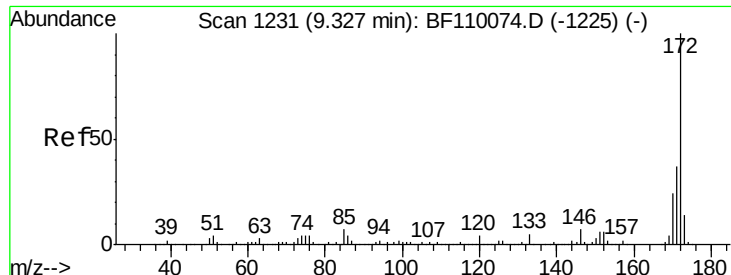


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

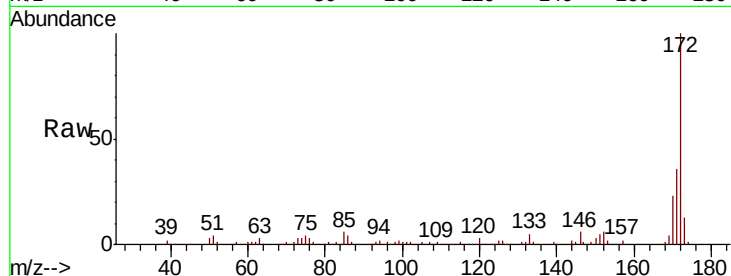




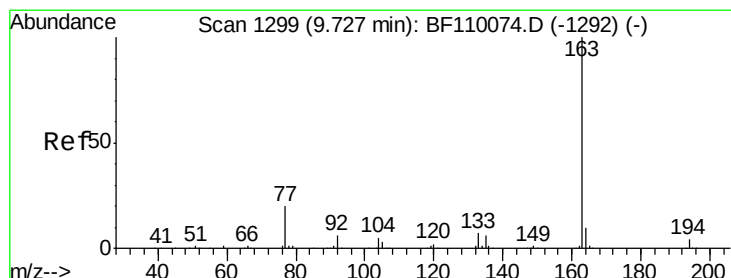
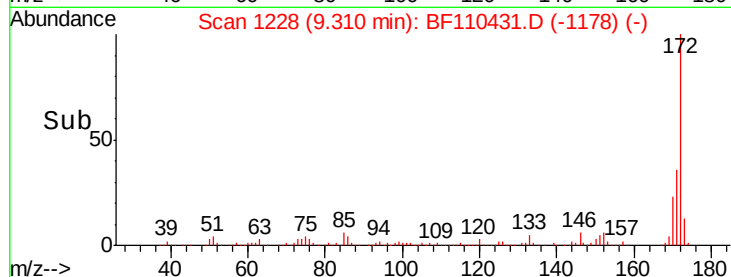
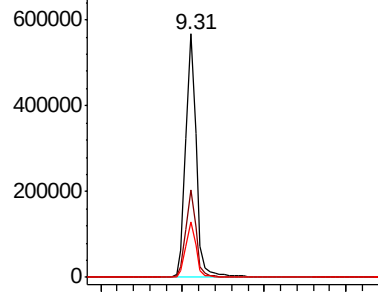
#45
2-Fluorobiphenyl
Concen: 71.270 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 515146
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 22.9 19.7 29.5

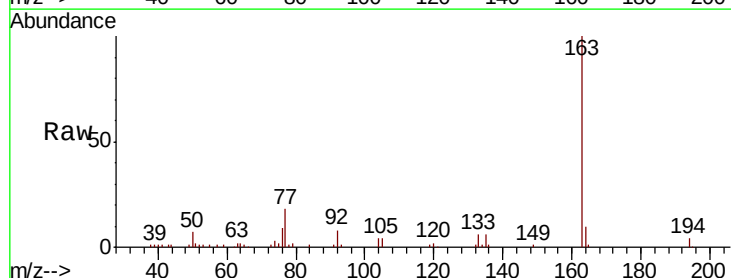


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

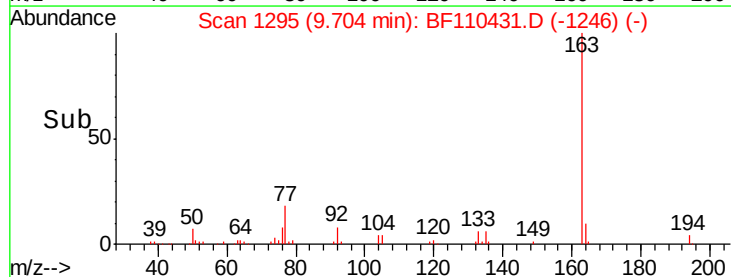
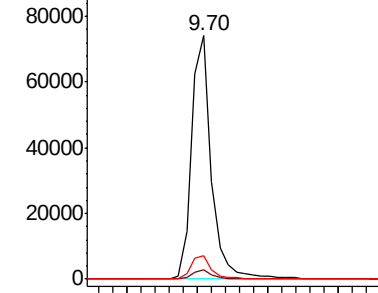


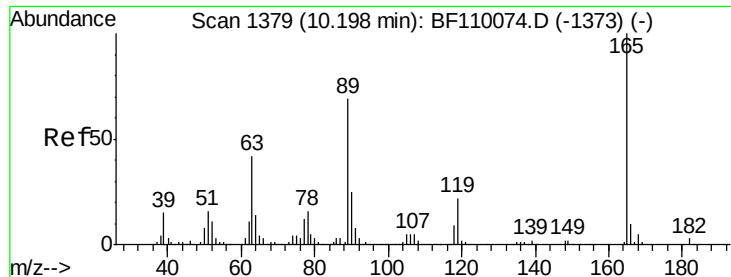
#50
Dimethylphthalate
Concen: 8.616 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Tgt Ion:163 Resp: 72189
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.6 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





#57

2,4-Dinitrotoluene

Concen: 6.058 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110431.D

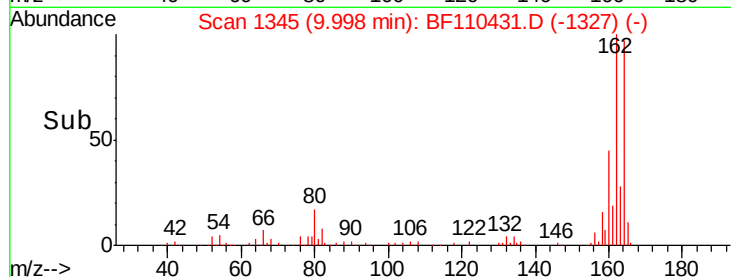
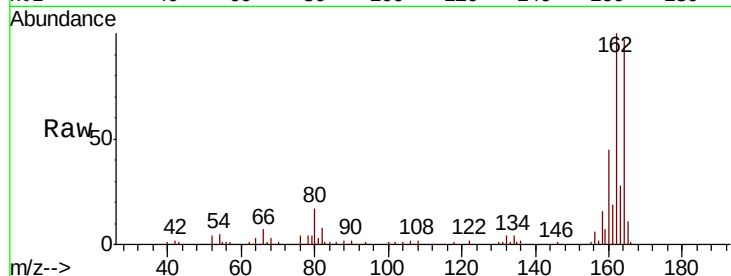
Acq: 3 Nov 2018 00:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	13887
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	0.0	62.2 93.4#
182	0.0	2.1 3.1#

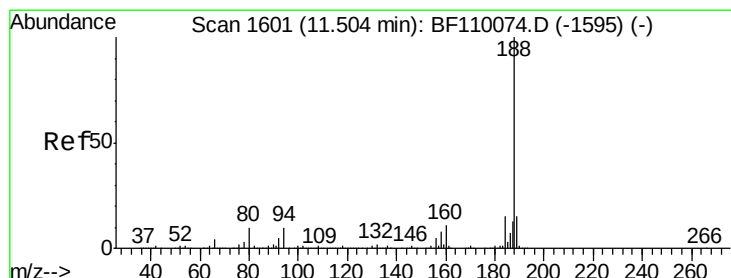
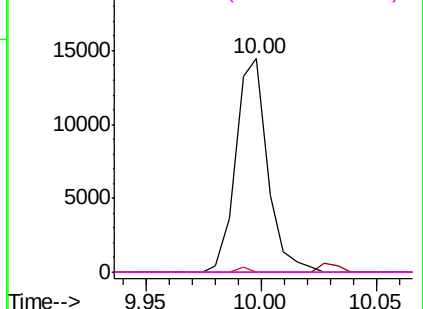


Abundance Ion 165.00 (164.70 to 165.70): E

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

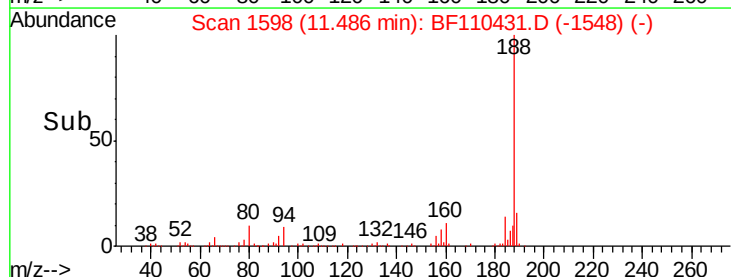
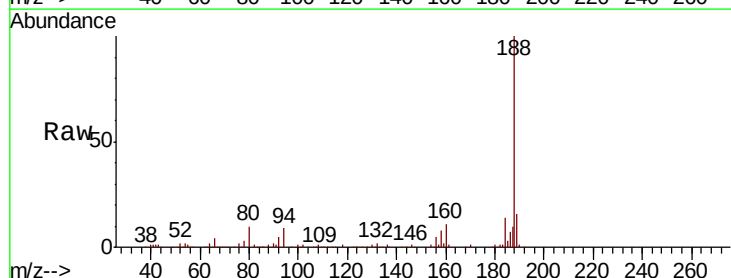
RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

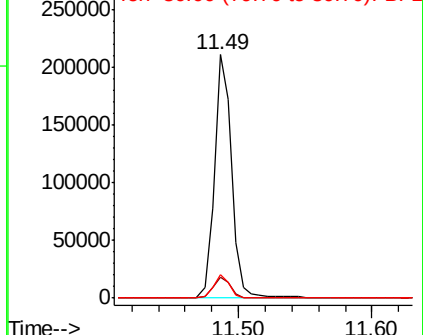
Tgt Ion:188	Resp:	191249
Ion Ratio	Lower	Upper
188	100	
94	8.8	7.2 10.8
80	9.8	7.9 11.9

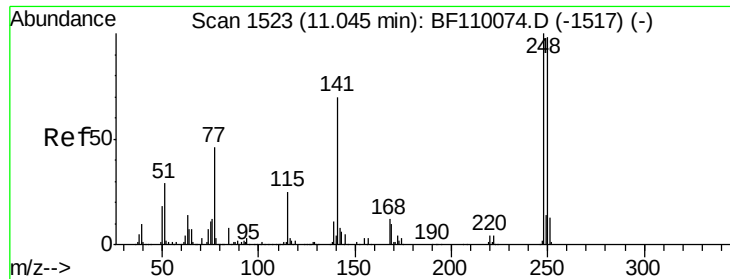


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

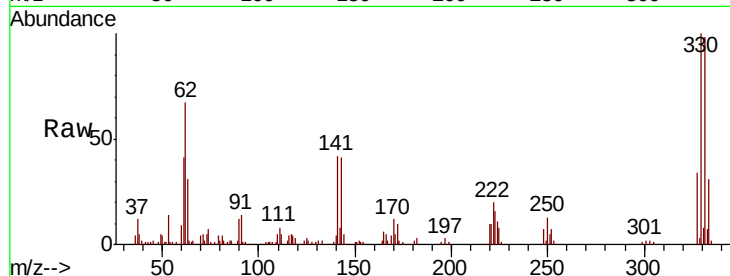




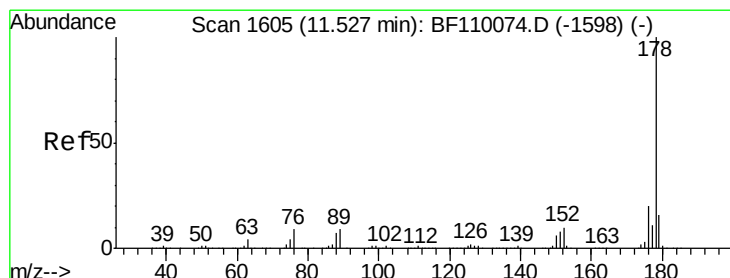
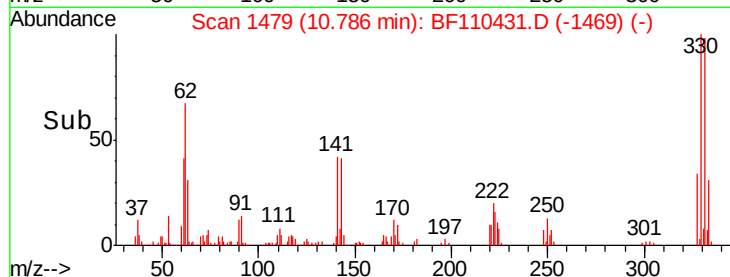
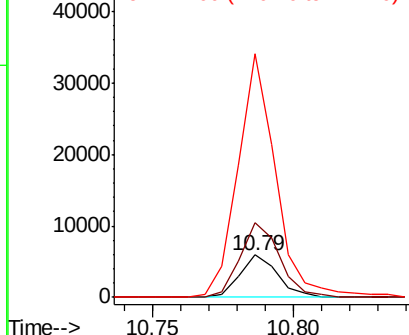
#67
 4-Bromophenyl-phenylether
 Concen: 2.619 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110431.D
 Acq: 3 Nov 2018 00:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5433
 Ion Ratio Lower Upper
 248 100
 250 177.6 79.4 119.2#
 141 576.2 55.9 83.9#

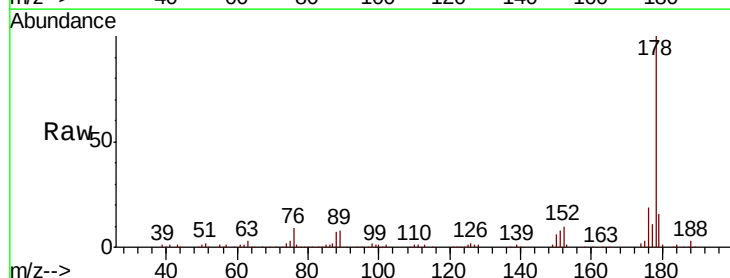


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

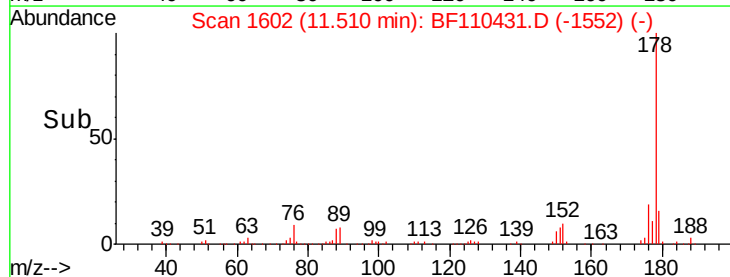
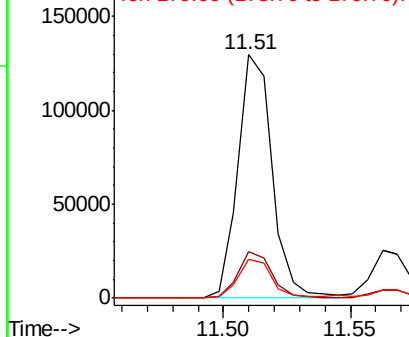


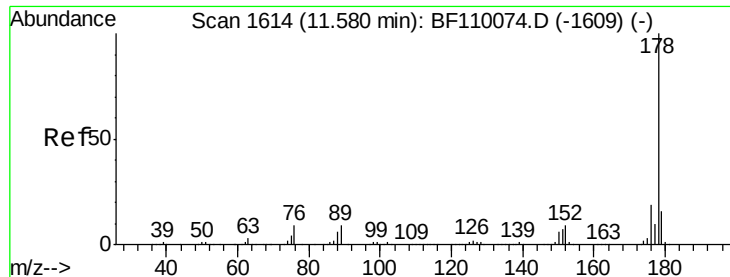
#71
 Phenanthrene
 Concen: 12.216 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110431.D
 Acq: 3 Nov 2018 00:09

Tgt Ion:178 Resp: 122250
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.5 23.3
 179 16.1 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.346 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

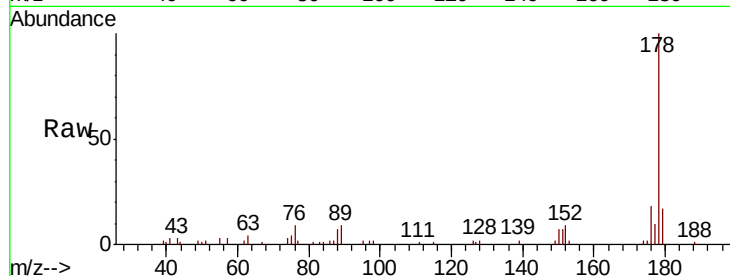
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 23527

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	17.4	12.6	18.8

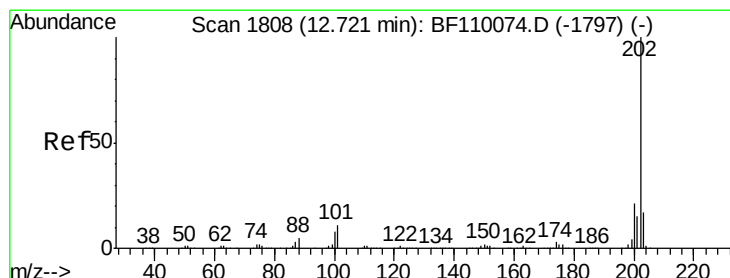
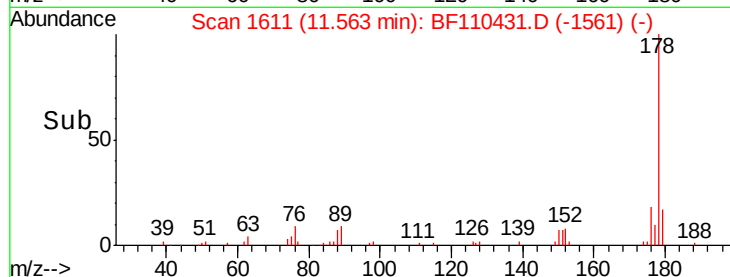
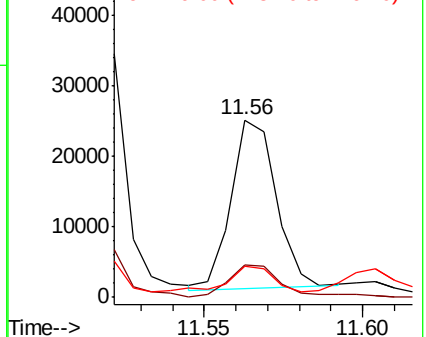


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 34.485 ng

RT: 12.70 min Scan# 1805

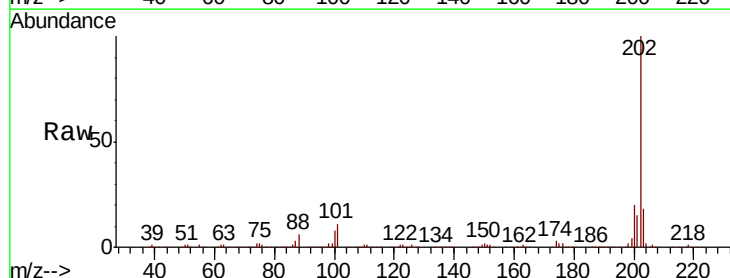
Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Tgt Ion:202 Resp: 350227

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.0	0.0	37.7

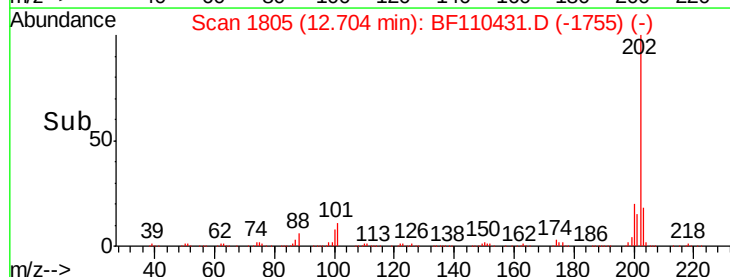
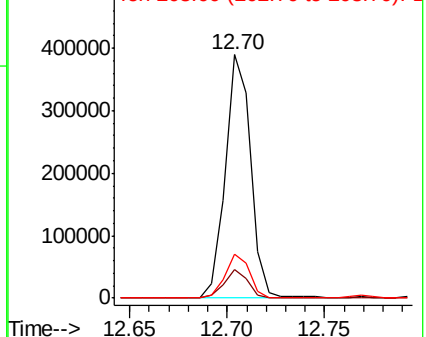


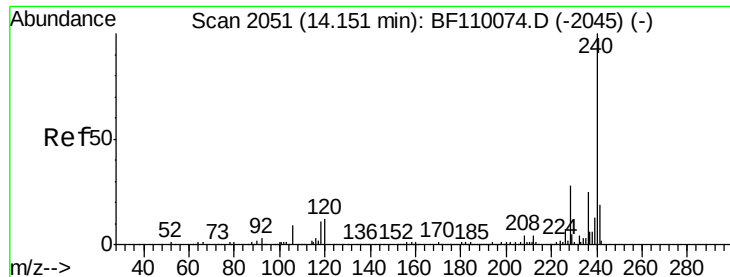
Abundance

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

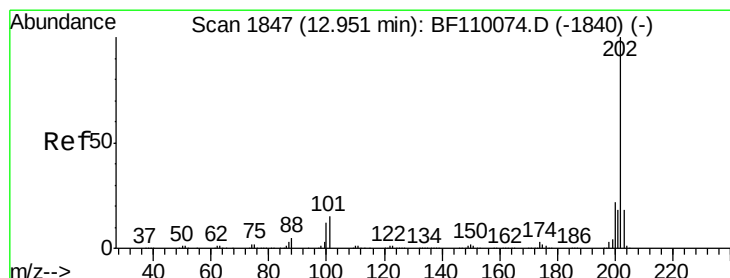
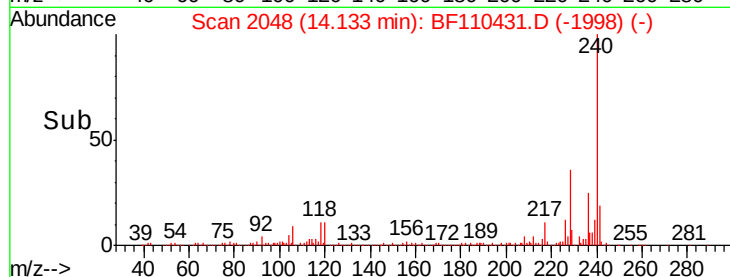
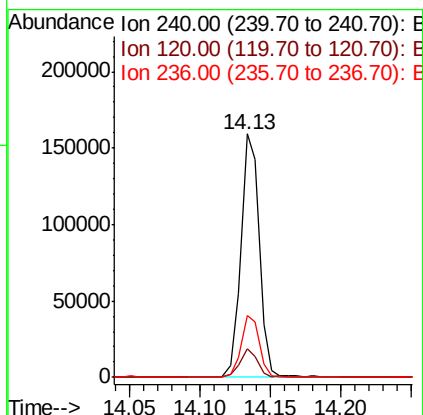
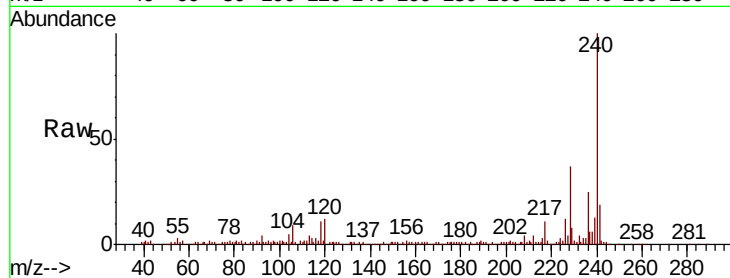




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

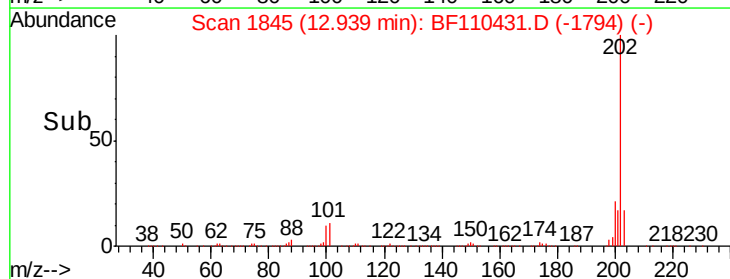
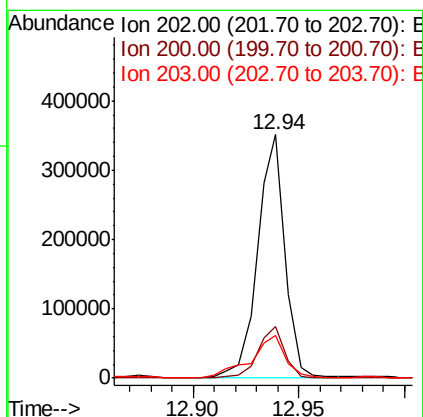
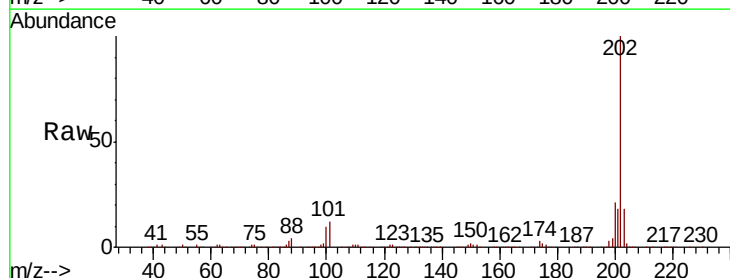
Instrument :
BNA_F
ClientSampleId :

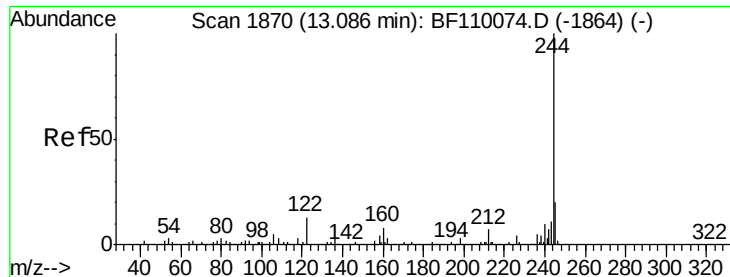
Tot Ion:240 Resp: 144693
Ion Ratio Lower Upper
240 100
120 11.6 8.3 12.5
236 25.4 21.2 31.8



#78
Pyrene
Concen: 30.372 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110431.D
Acq: 3 Nov 2018 00:09

Tgt Ion:202 Resp: 315058
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 60.098 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Instrument :

BNA_F

ClientSampleId :

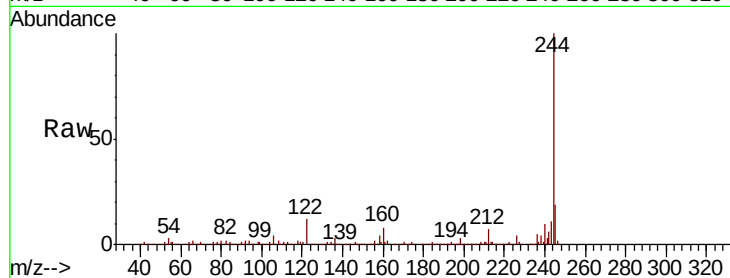
Tot Ion:244 Resp: 418125

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

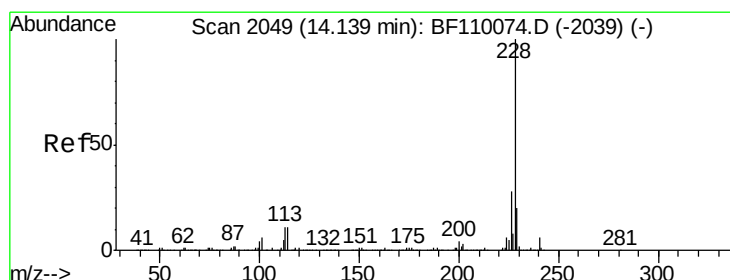
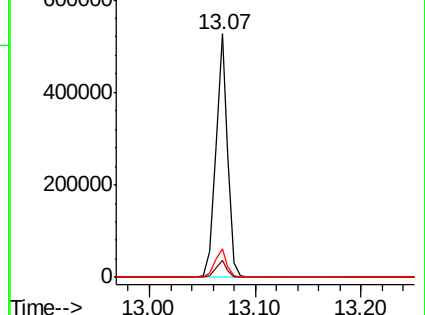
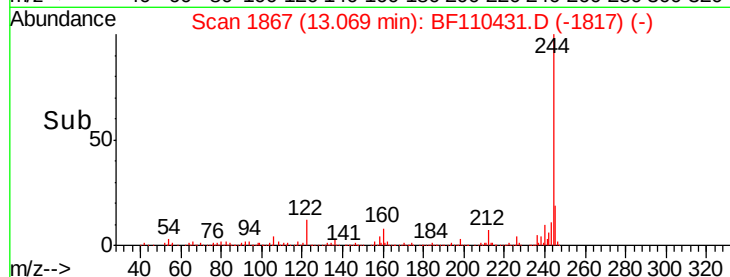
122 11.7 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 16.859 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

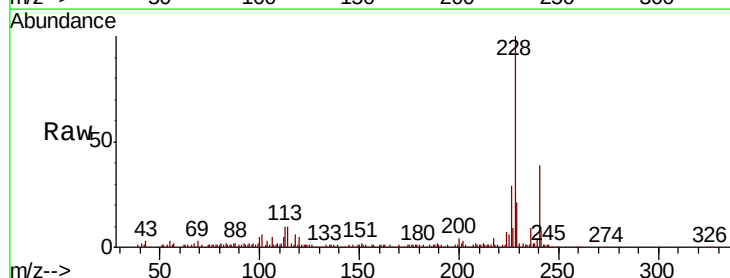
Tgt Ion:228 Resp: 144658

Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

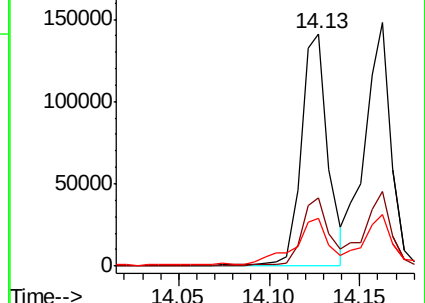
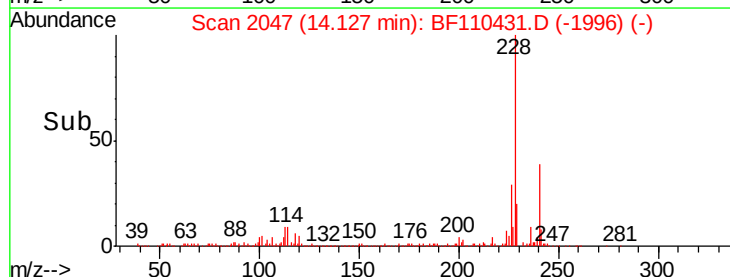
229 20.6 15.6 23.4

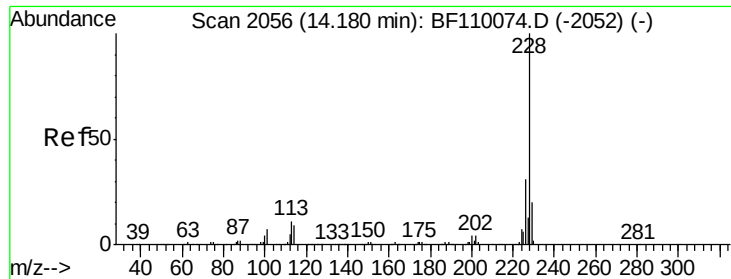


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 18.344 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Instrument :

BNA_F

ClientSampleId :

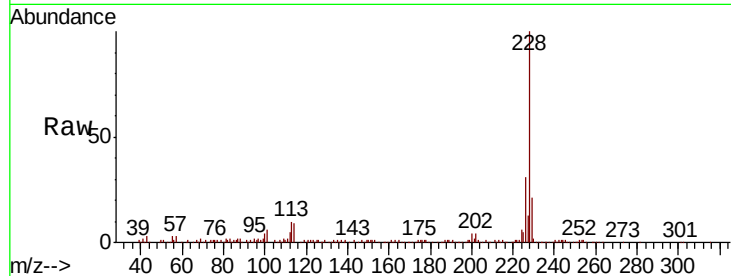
Tot Ion:228 Resp: 149505

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

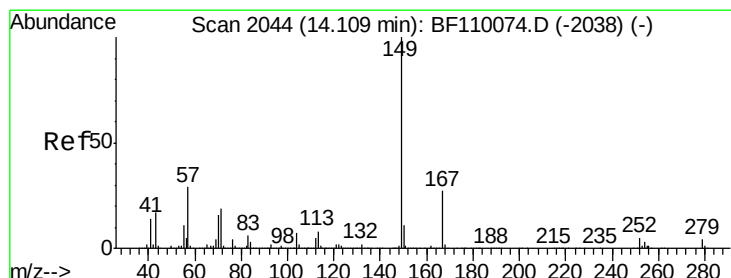
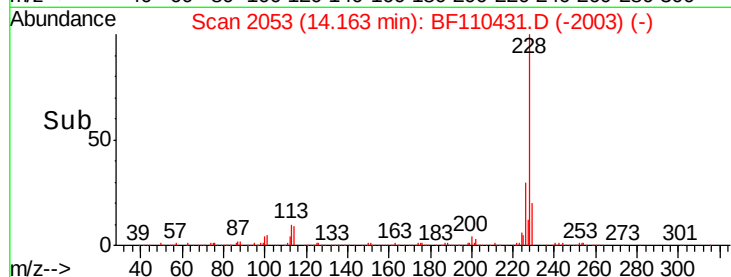
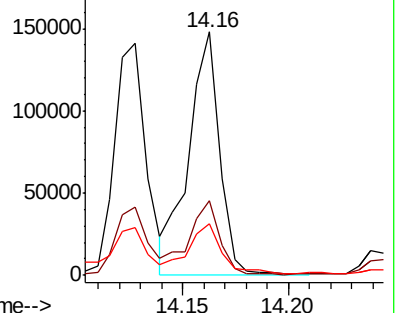
229 21.4 15.9 23.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.995 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

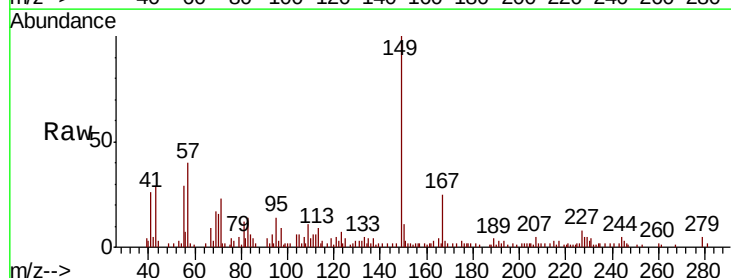
Tgt Ion:149 Resp: 18226

Ion Ratio Lower Upper

149 100

167 25.3 19.8 29.8

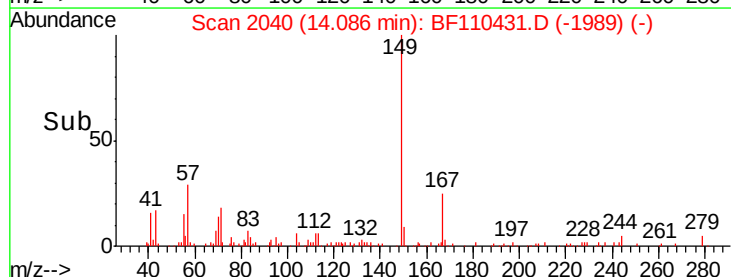
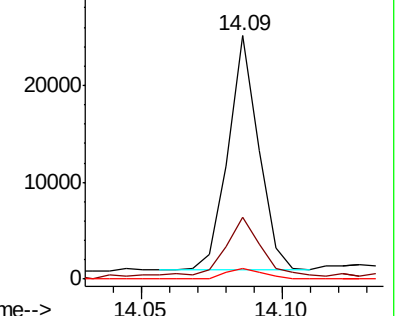
279 4.6 2.7 4.1#

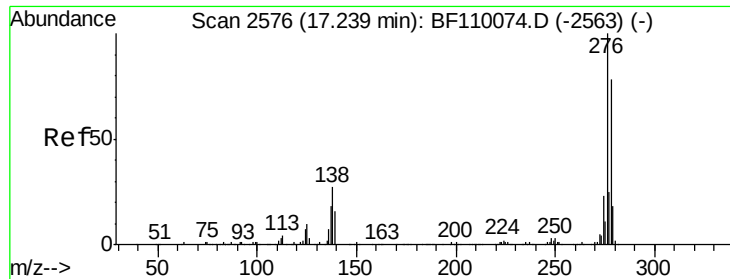


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

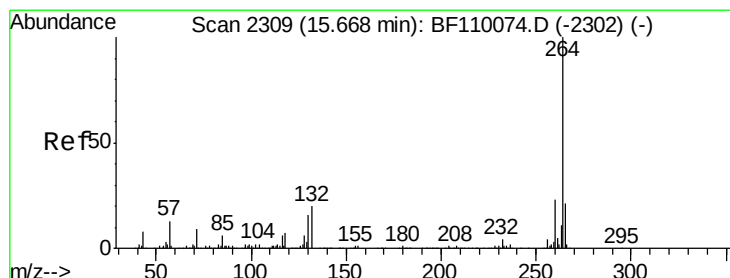
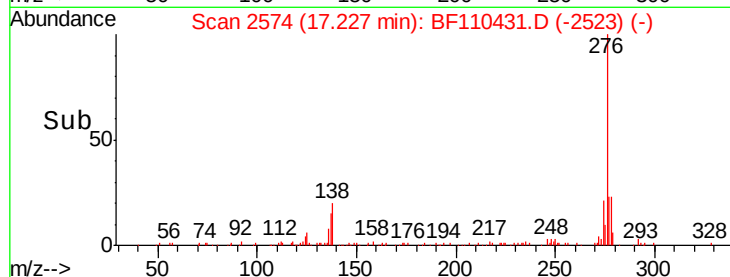
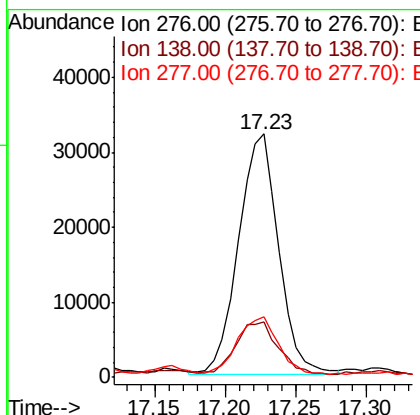
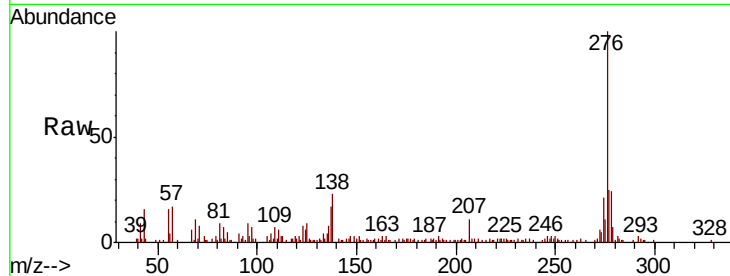




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.472 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF110431.D
 Acq: 3 Nov 2018 00:09

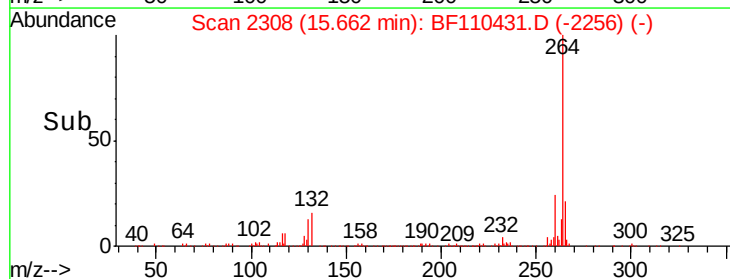
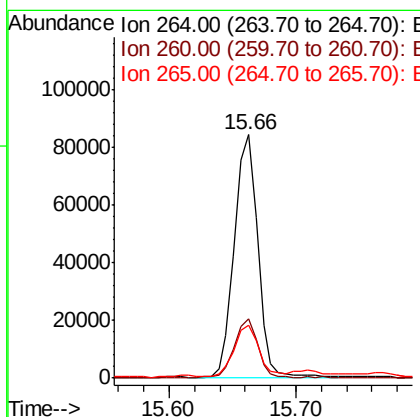
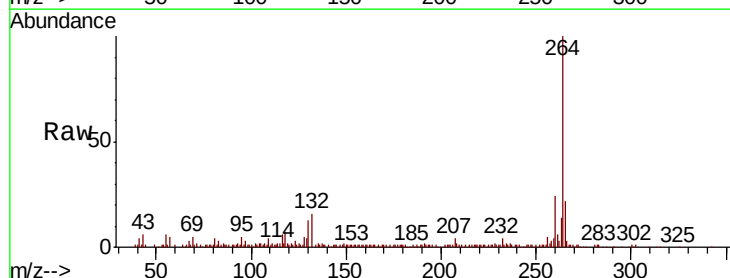
Instrument :
 BNA_F
 ClientSampleId :

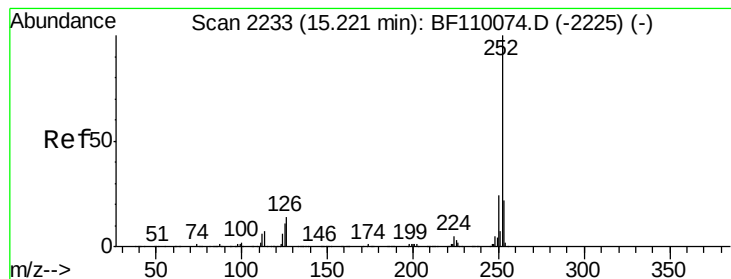
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	18.5	27.7
277	24.0	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BF110431.D
 Acq: 3 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.8	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 34.391 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Instrument :

BNA_F

ClientSampleId :

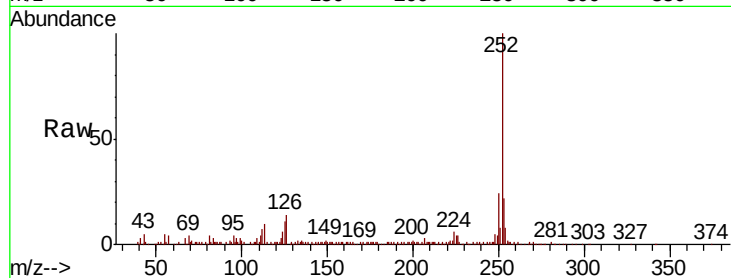
Tot Ion:252 Resp: 217206

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

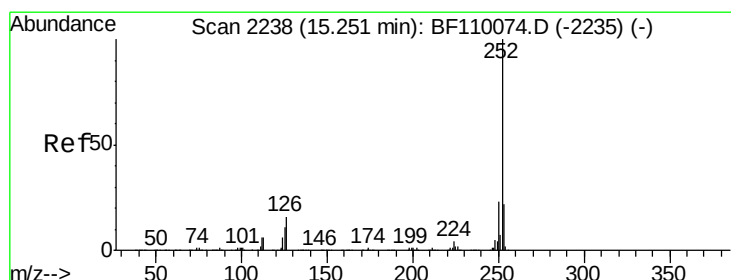
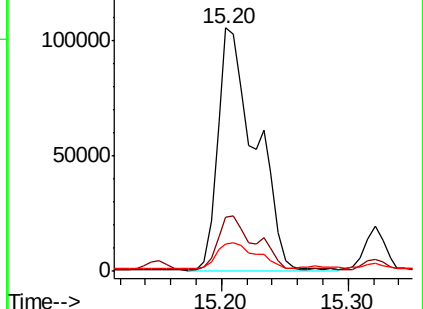
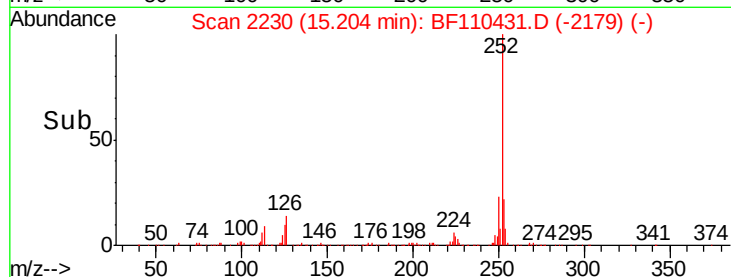
125 11.3 8.2 12.4



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: 34.983 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

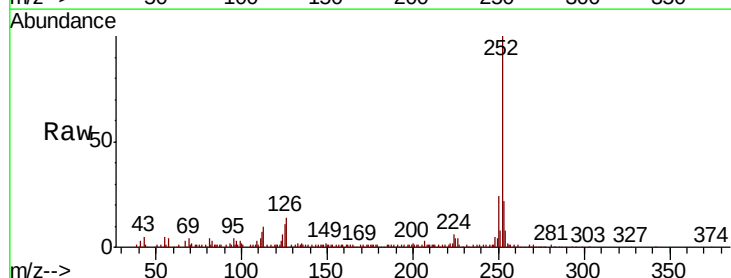
Tgt Ion:252 Resp: 217206

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

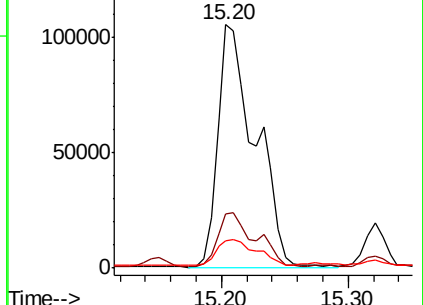
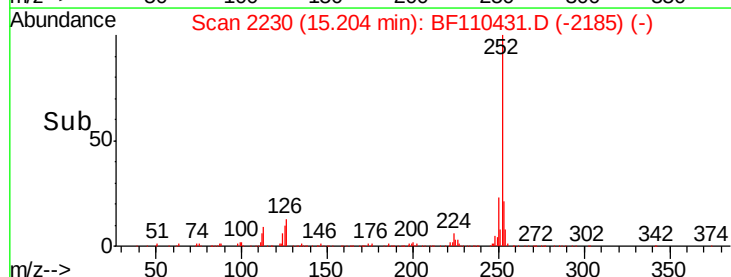
125 11.3 7.4 11.0#

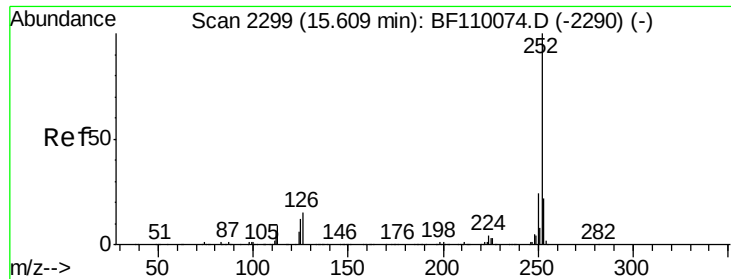


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 17.657 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

Instrument :

BNA_F

ClientSampleId :

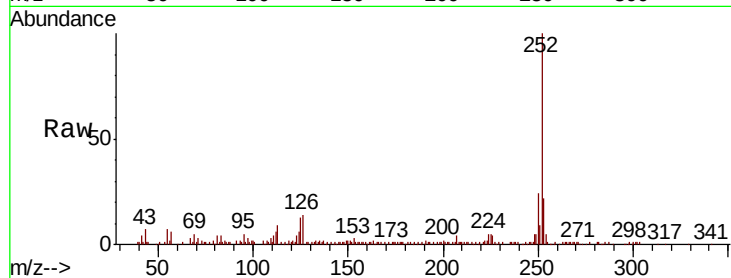
Tot Ion:252 Resp: 102616

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

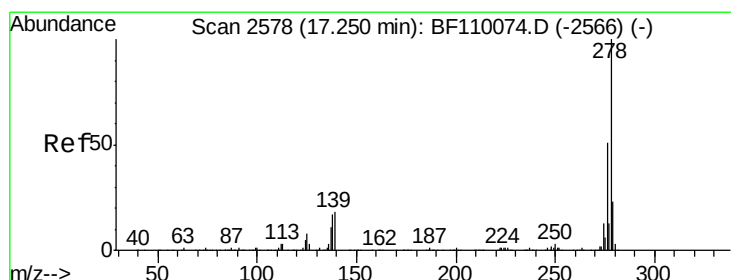
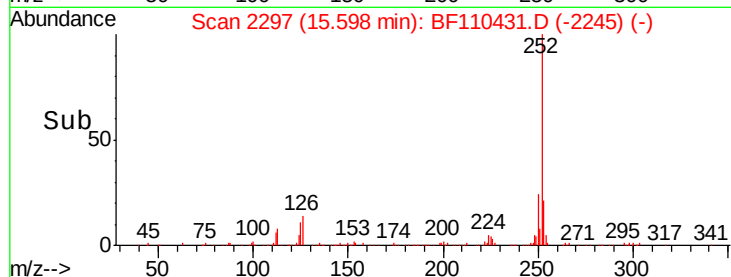
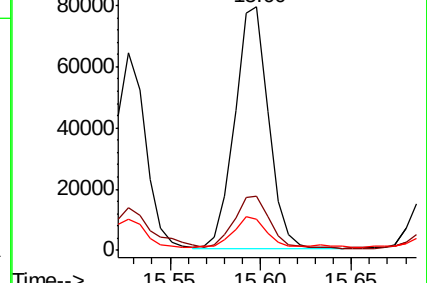
125 12.6 9.0 13.6



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



#91

Dibenzo(a,h)anthracene

Concen: 3.313 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF110431.D

Acq: 3 Nov 2018 00:09

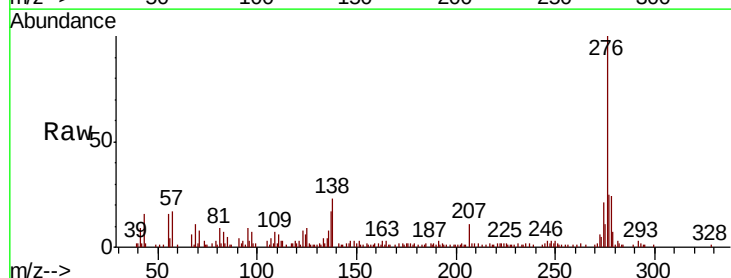
Tgt Ion:278 Resp: 16615

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

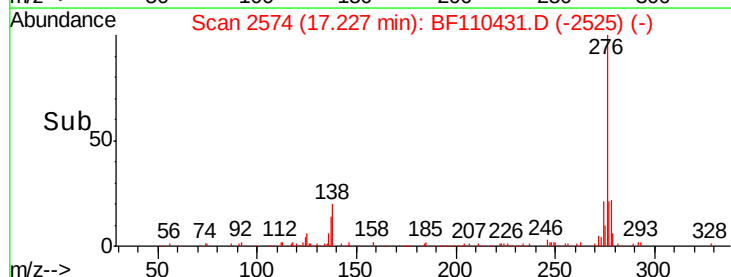
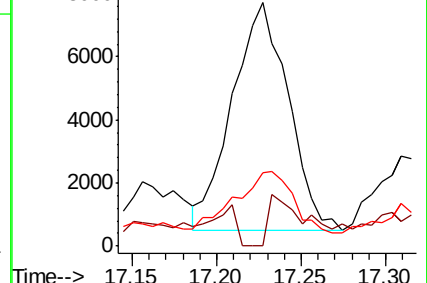
279 30.2 19.0 28.4#

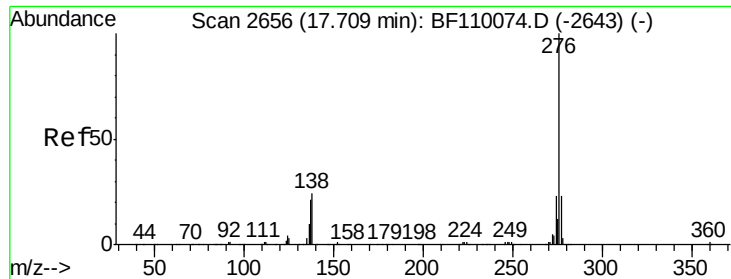


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 12.303 ng
 RT: 17.70 min Scan# 2655
 Delta R.T. 0.00 min
 Lab File: BF110431.D
 Acq: 3 Nov 2018 00:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	25.0	16.0	24.0

