

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110331.D
 Acq On : 31 Oct 2018 14:32
 Operator : JU/SJ
 Sample : J5202-07 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-103018-A

Quant Time: Oct 31 16:49:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 31 14:18:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	66393	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	243866	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	100498	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	194162	20.00	ng	0.00
76) Chrysene-d12	14.17	240	192016	20.00	ng	0.00
87) Perylene-d12	15.71	264	138934	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	171565	42.08	ng	0.00
7) Phenol-d6	6.59	99	200937	38.53	ng	-0.01
23) Nitrobenzene-d5	7.53	82	118441	28.81	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	42505	42.70	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	204848	32.01	ng	0.00
79) Terphenyl-d14	13.09	244	223650	24.22	ng	-0.01

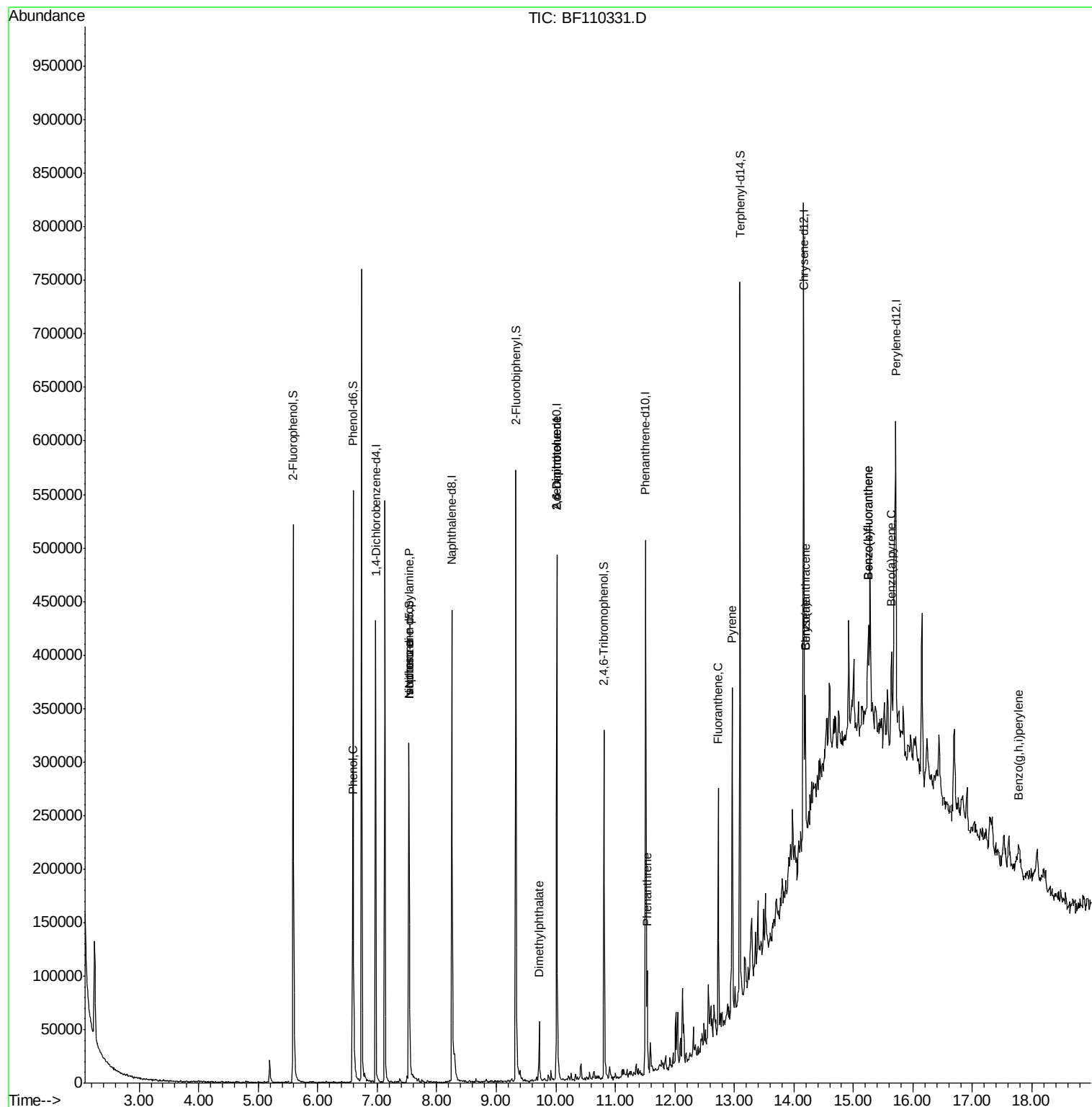
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	12298	2.206	ng	# 72
19) n-Nitroso-di-n-propylamine	7.53	70	15770	4.714	ng	# 79
25) Isophorone	7.53	82	118438	16.899	ng	# 67
50) Dimethylphthalate	9.72	163	27344	3.686	ng	100
51) 2,6-Dinitrotoluene	10.02	165	12810	8.016	ng	# 21
57) 2,4-Dinitrotoluene	10.02	165	12810	6.311	ng	# 17
71) Phenanthrene	11.53	178	32365	3.186	ng	98
75) Fluoranthene	12.73	202	86991	8.437	ng	97
77) Benzidine	12.87	184	274	Below Cal		# 1
78) Pyrene	12.96	202	121092	8.797	ng	99
81) Benzo(a)anthracene	14.19	228	51975	4.564	ng	93
83) Chrysene	14.19	228	51975	4.806	ng	97
88) Benzo(b)fluoranthene	15.24	252	60363	7.524	ng	# 80
89) Benzo(k)fluoranthene	15.24	252	60363	7.653	ng	# 79
90) Benzo(a)pyrene	15.64	252	34838	4.719	ng	# 90
92) Benzo(g,h,i)perylene	17.78	276	16646	2.652	ng	# 81

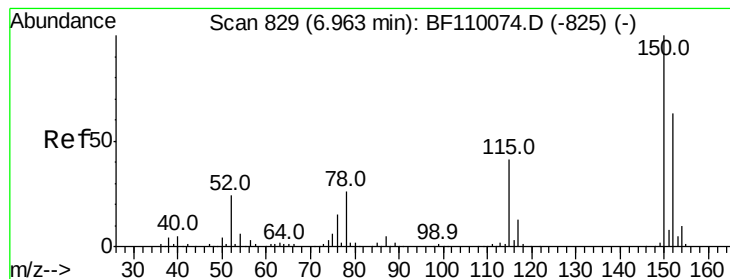
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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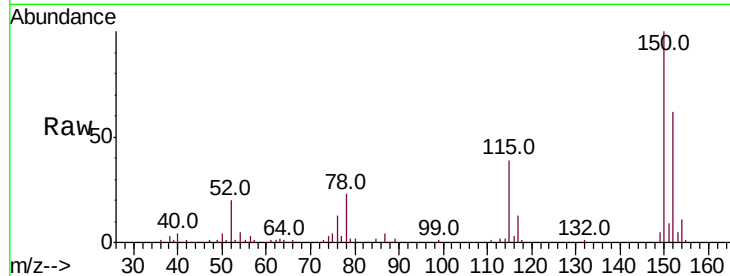


#1

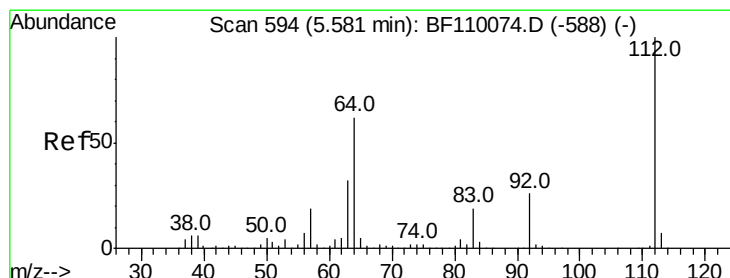
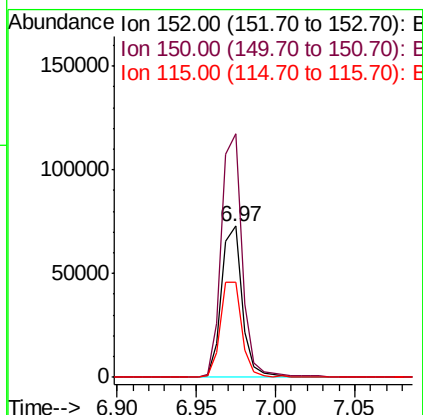
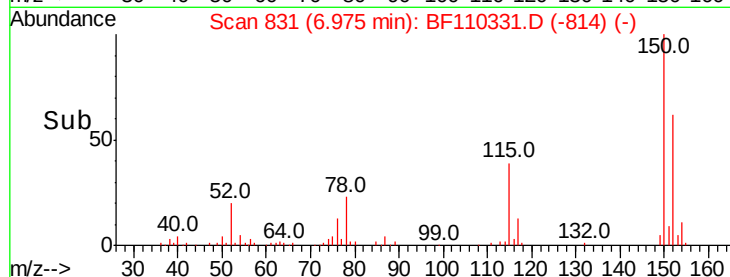
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Instrument :
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PL-02-103018-A

Tot Ion:152 Resp: 66393
Ion Ratio Lower Upper
152 100
150 160.9 122.7 184.1
115 63.0 49.1 73.7



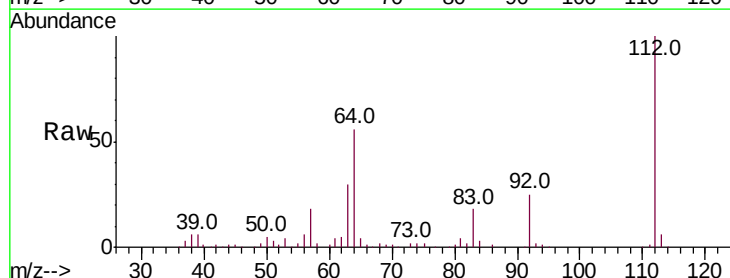
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



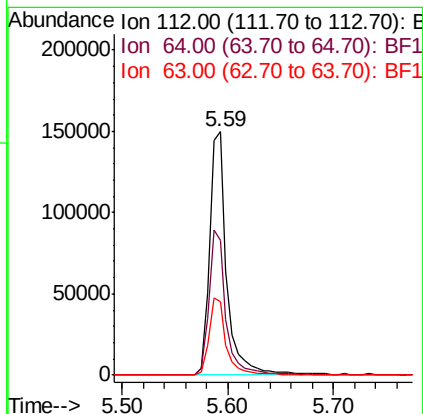
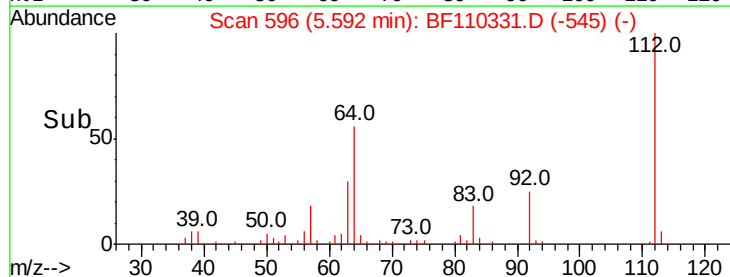
#5

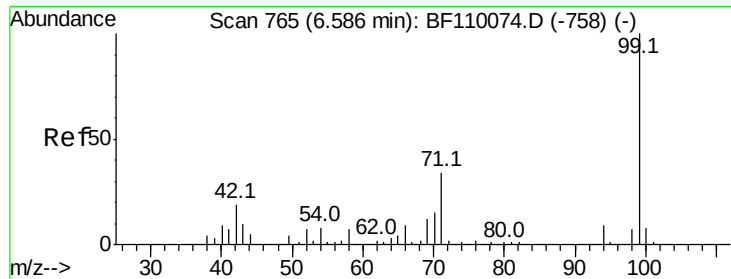
2-Fluorophenol
Concen: 42.081 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Tgt Ion:112 Resp: 171565
Ion Ratio Lower Upper
112 100
64 55.6 44.1 66.1
63 30.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 38.531 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

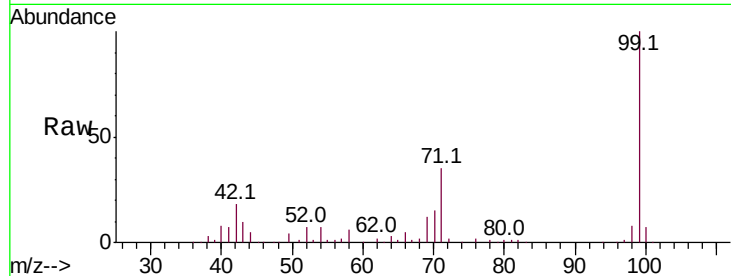
Tot Ion: 99 Resp: 200937

Ion Ratio Lower Upper

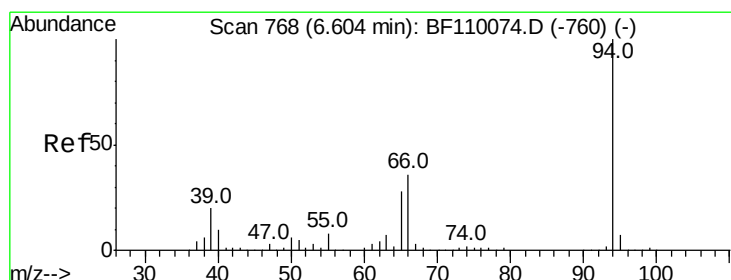
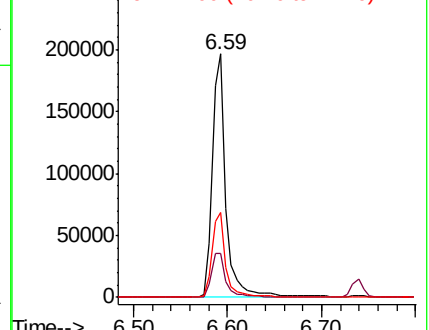
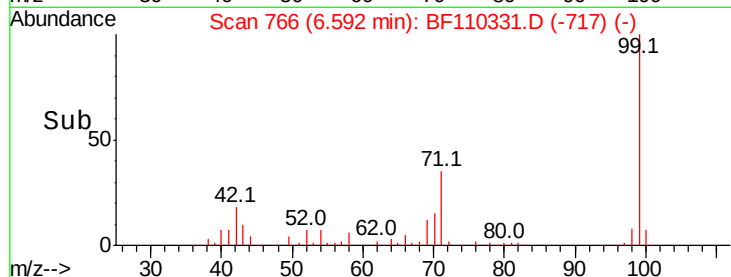
99 100

42 18.2 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: 2.206 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

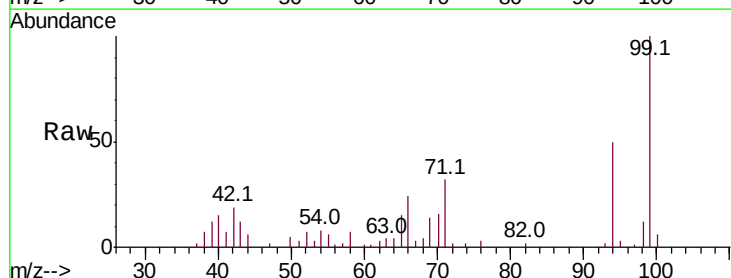
Tgt Ion: 94 Resp: 12298

Ion Ratio Lower Upper

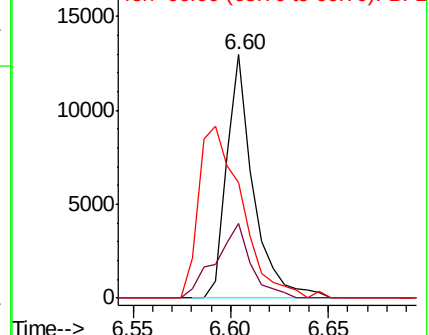
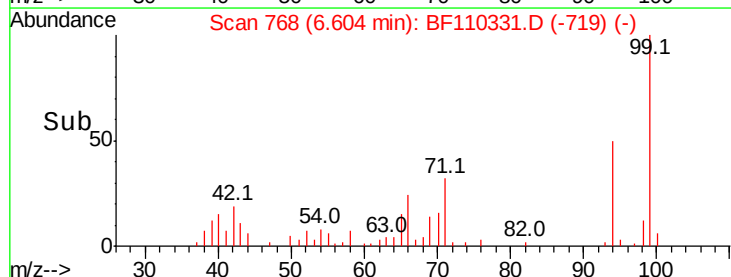
94 100

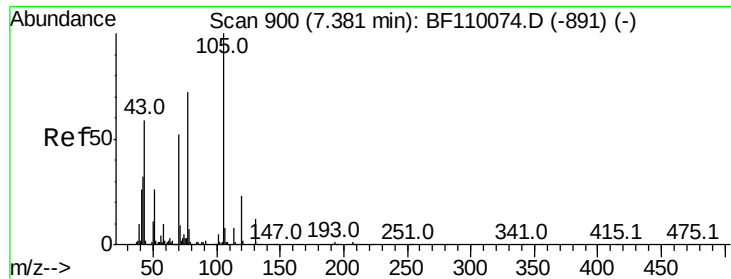
65 30.5 25.3 65.3

66 47.7 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

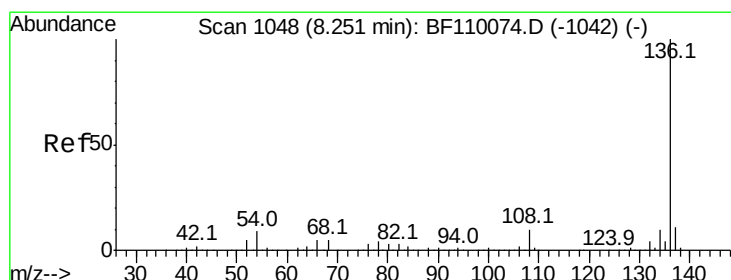
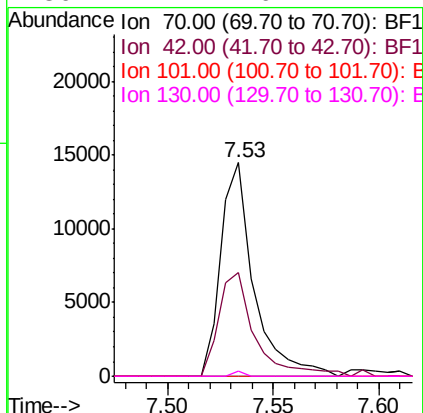
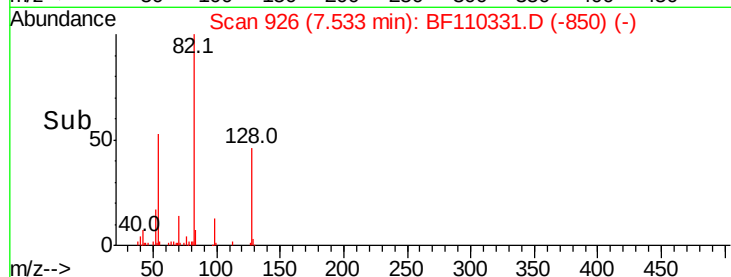
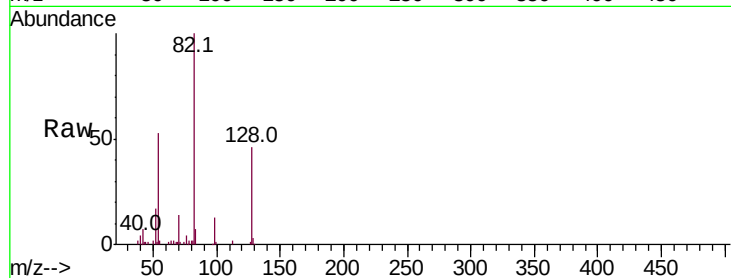




#19
n-Nitroso-di-n-propylamine
Concen: 4.714 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

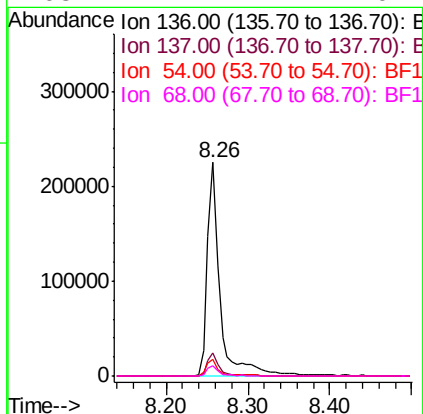
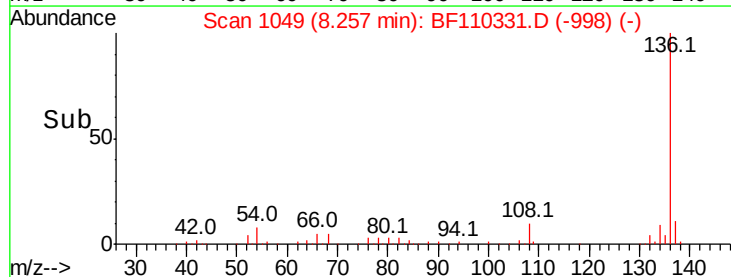
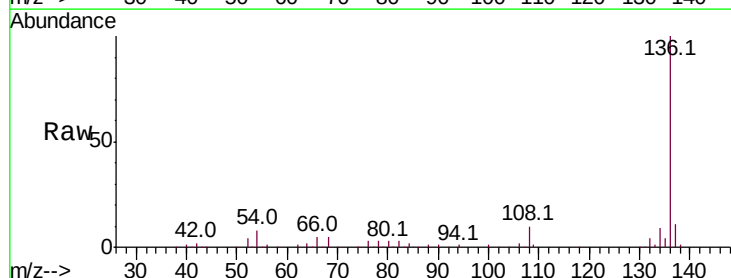
Instrument :
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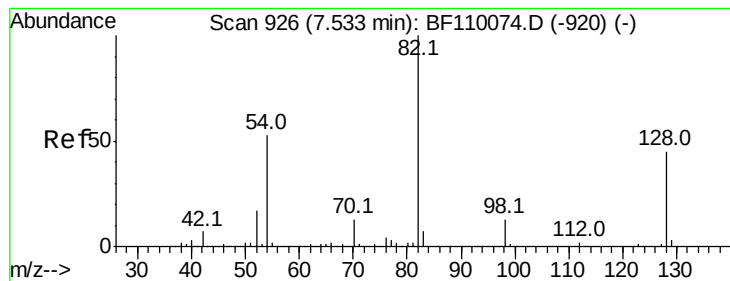
Tot Ion: 70 Resp: 15770
Ion Ratio Lower Upper
70 100
42 48.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Tgt Ion: 136 Resp: 243866
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.6 5.4 8.2
68 4.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 28.807 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

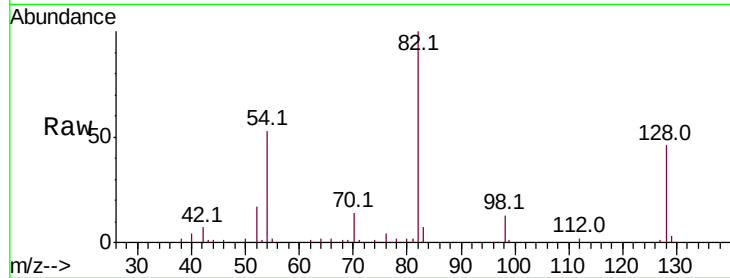
Tot Ion: 82 Resp: 118441

Ion Ratio Lower Upper

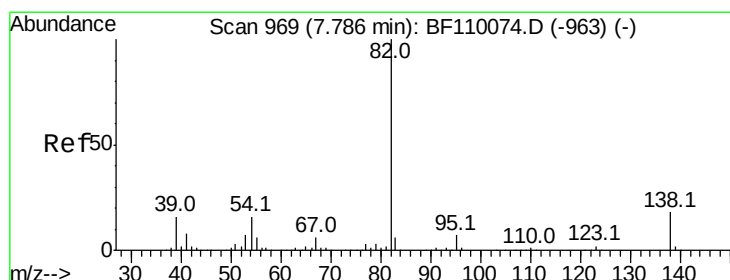
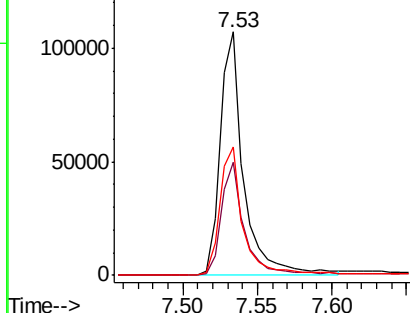
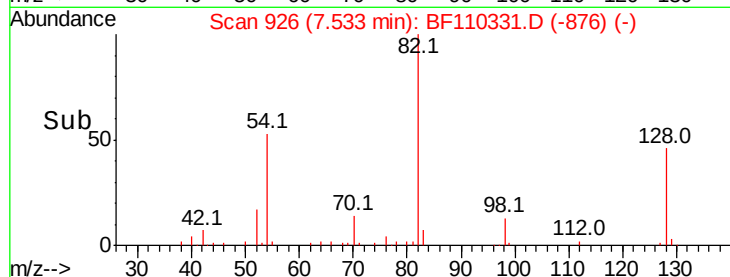
82 100

128 46.3 34.2 51.2

54 52.6 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: 16.899 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

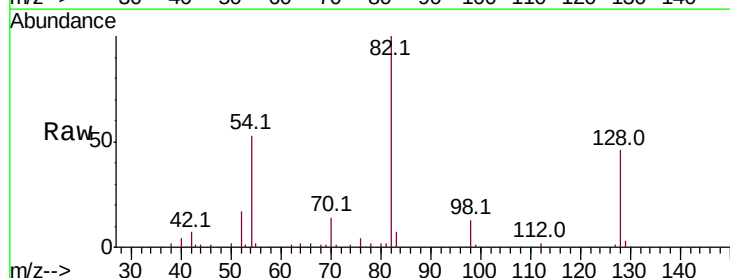
Tgt Ion: 82 Resp: 118438

Ion Ratio Lower Upper

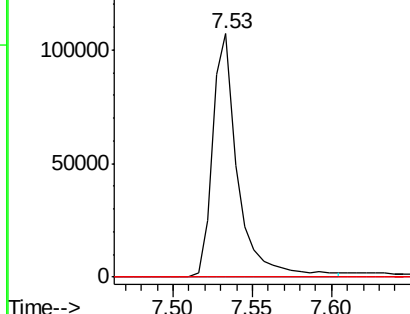
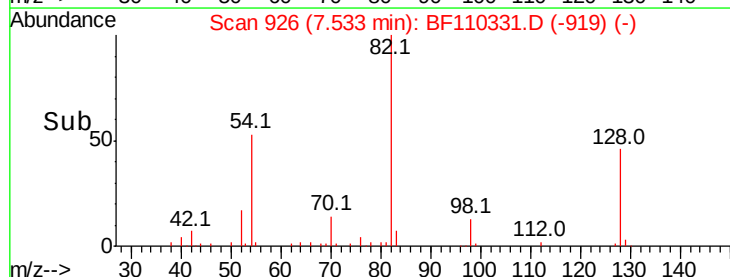
82 100

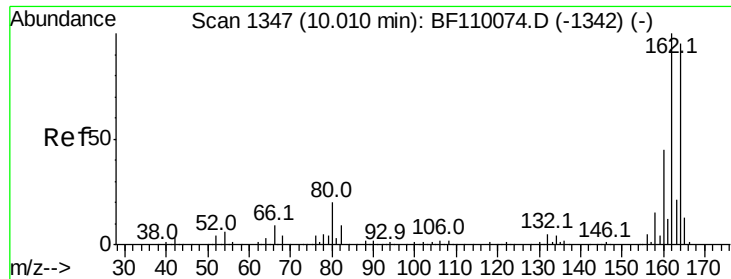
95 0.0 5.7 8.5#

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

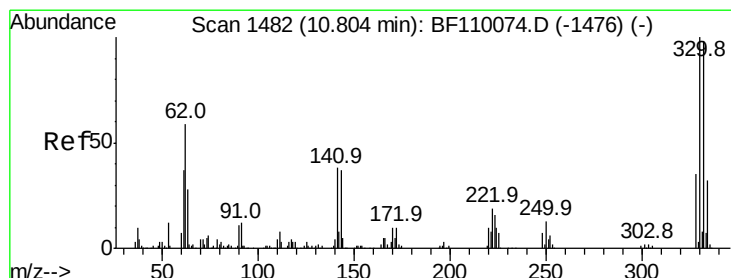
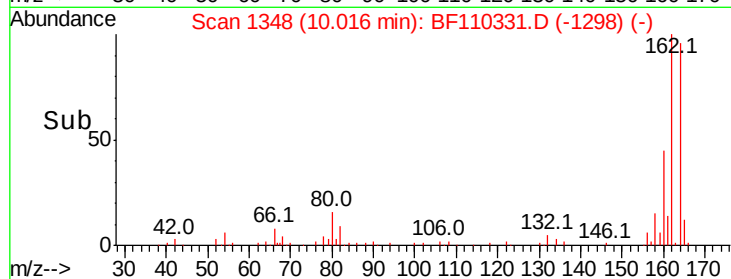
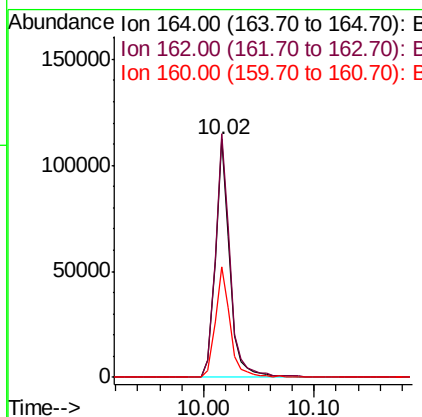
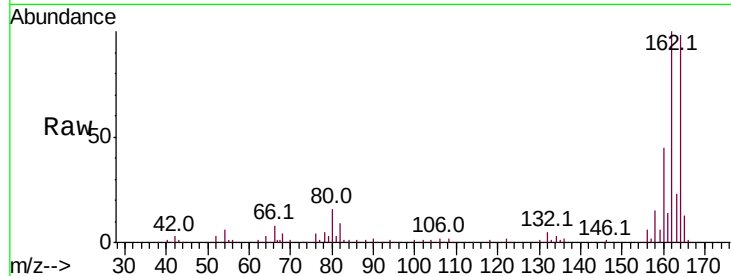




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF110331.D
 Acq: 31 Oct 2018 14:32

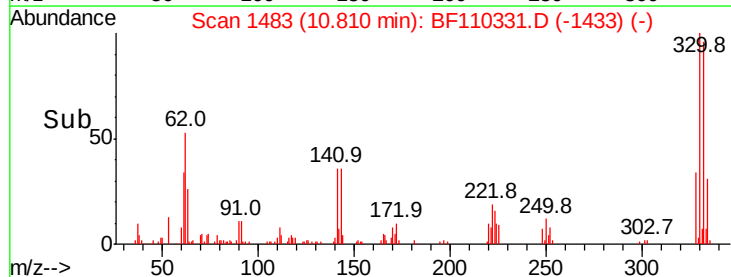
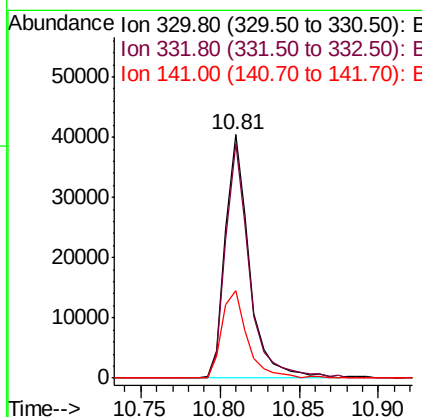
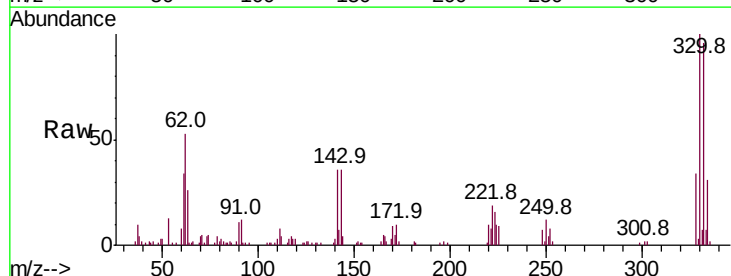
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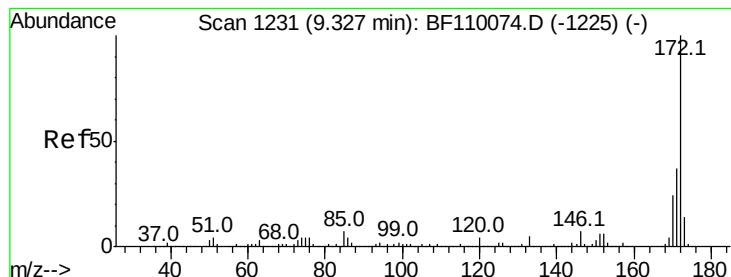
Tot Ion:164 Resp: 100498
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.0 124.6
 160 46.2 37.0 55.6



#42
 2,4,6-Tribromophenol
 Concen: 42.697 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF110331.D
 Acq: 31 Oct 2018 14:32

Tgt Ion:330 Resp: 42505
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.1 115.7
 141 37.6 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 32.007 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

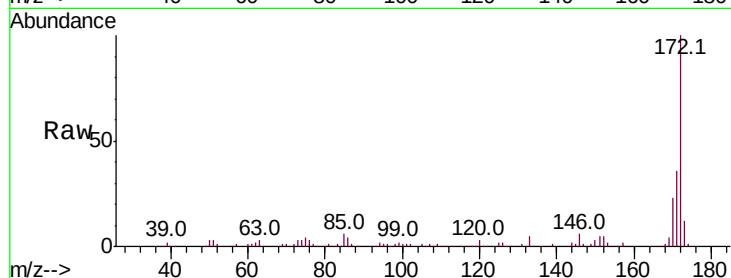
Tot Ion:172 Resp: 204848

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

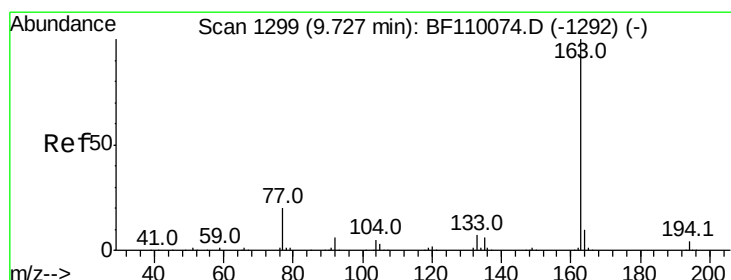
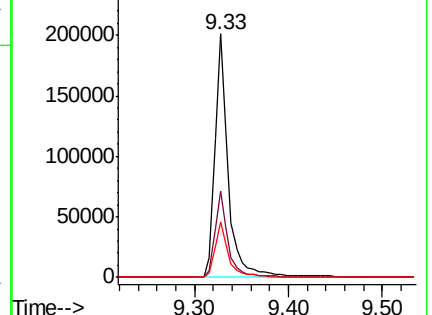
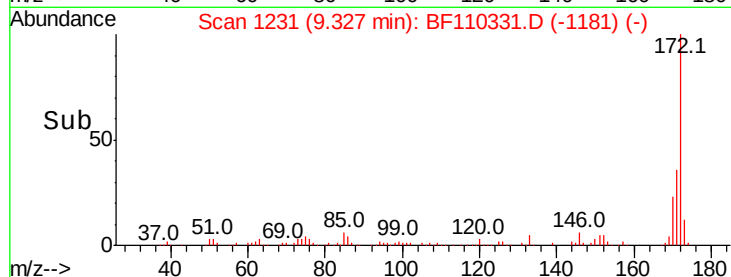
170 23.0 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 3.686 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

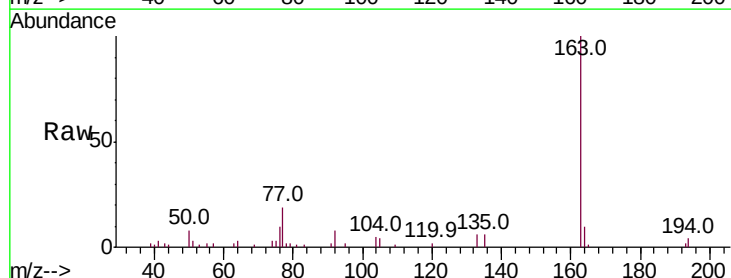
Tgt Ion:163 Resp: 27344

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

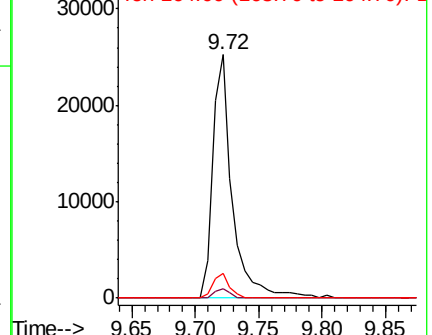
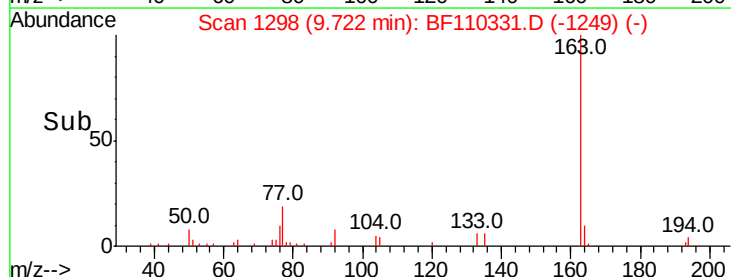
164 10.1 8.1 12.1

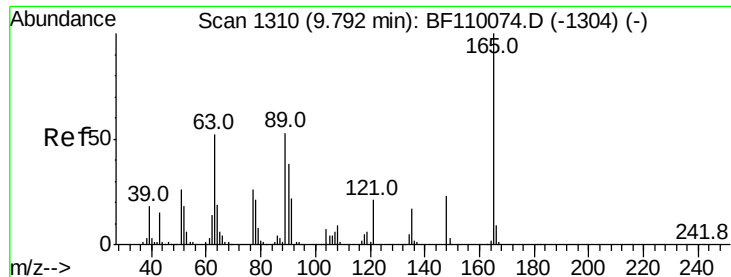


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

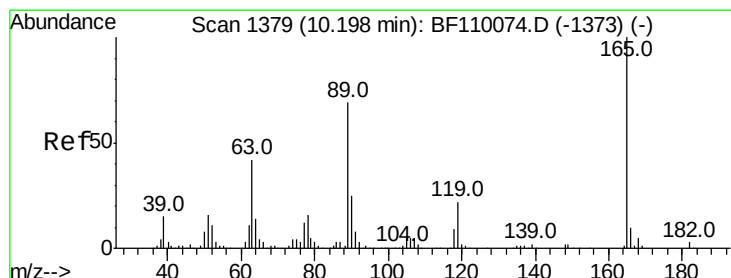
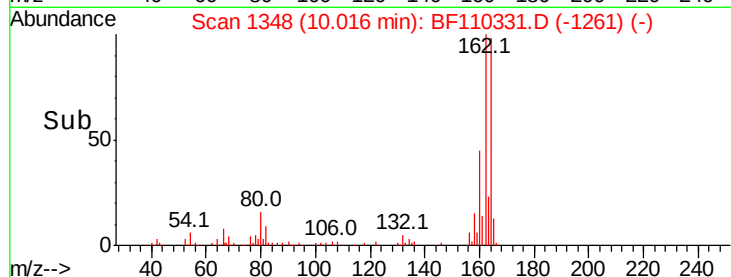
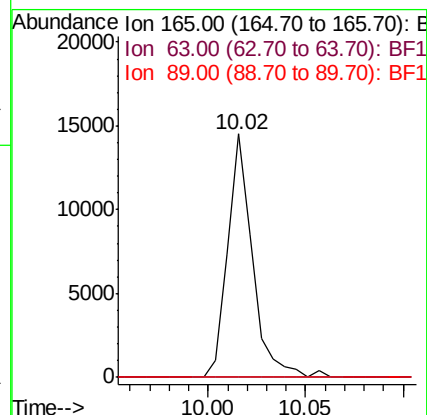
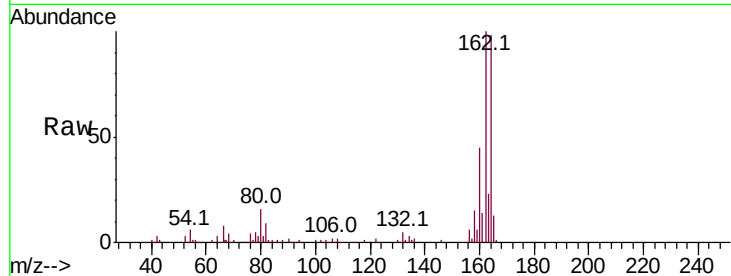




#51
 2,6-Dinitrotoluene
 Concen: 8.016 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.21 min
 Lab File: BF110331.D
 Acq: 31 Oct 2018 14:32

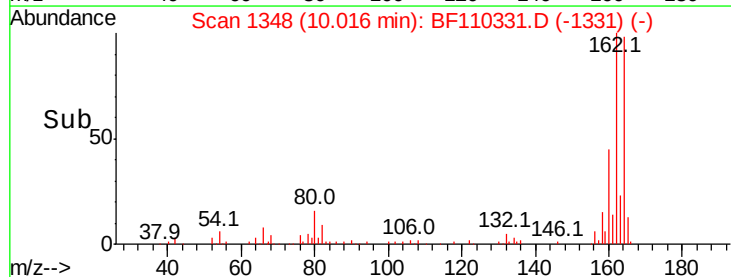
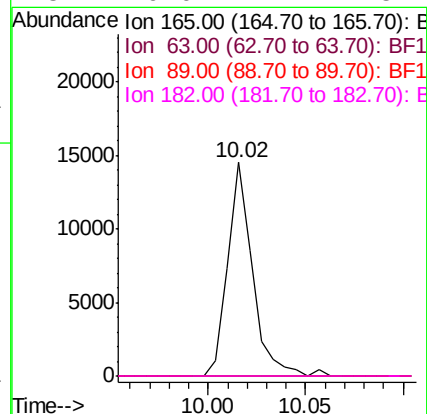
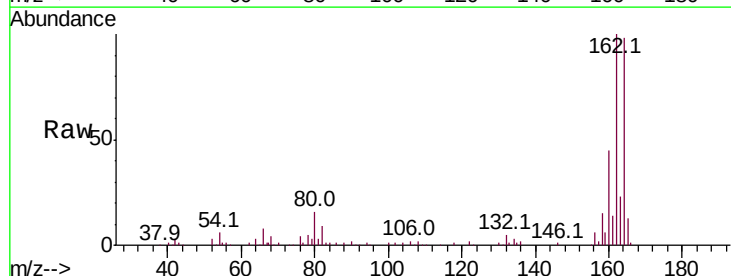
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-103018-A

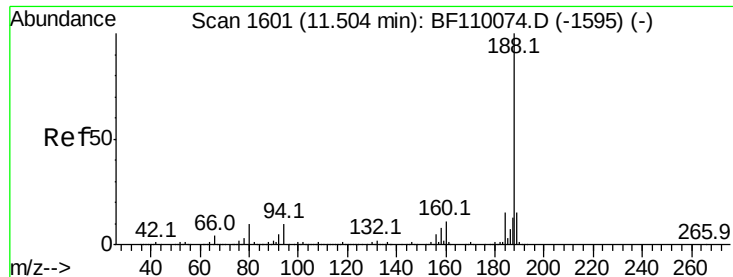
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.311 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.20 min
 Lab File: BF110331.D
 Acq: 31 Oct 2018 14:32

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

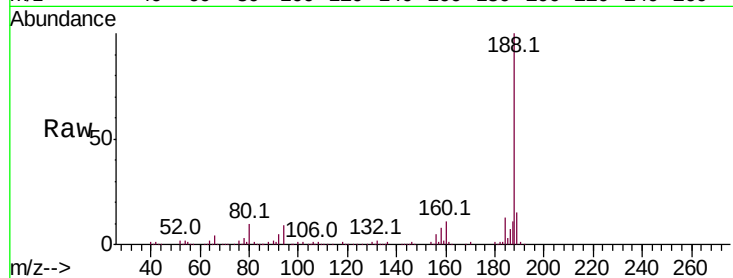
Tot Ion:188 Resp: 194162

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

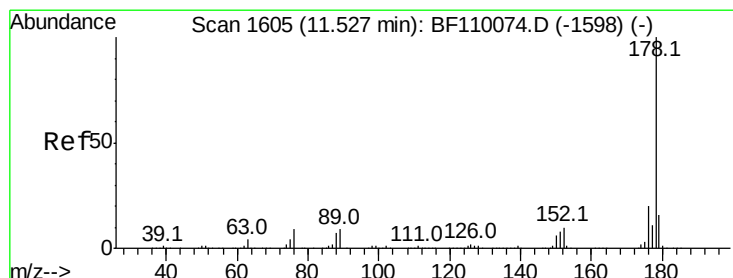
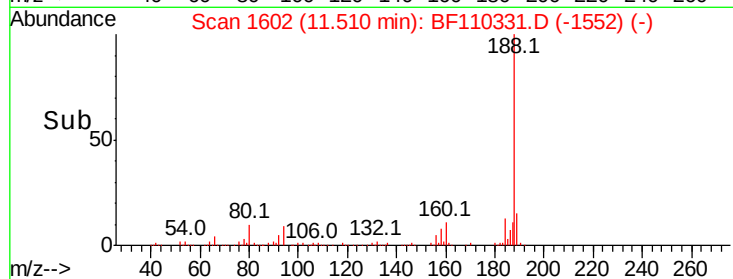
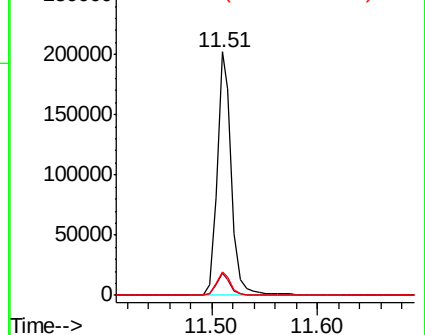
80 9.9 7.9 11.9



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



#71

Phenanthrene

Concen: 3.186 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

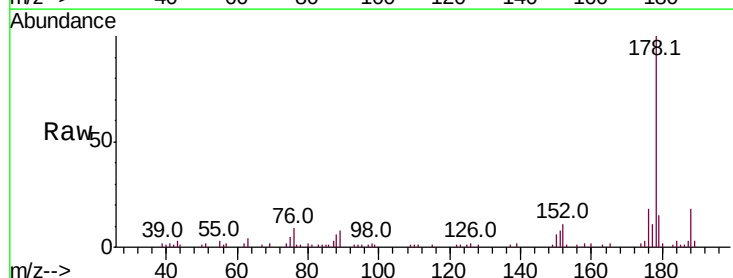
Tgt Ion:178 Resp: 32365

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

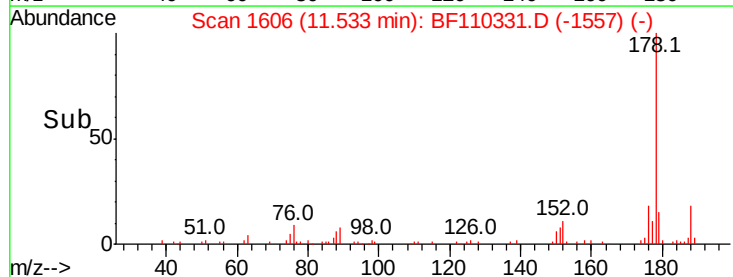
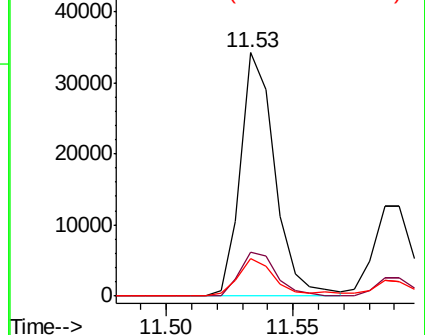
179 15.3 12.5 18.7

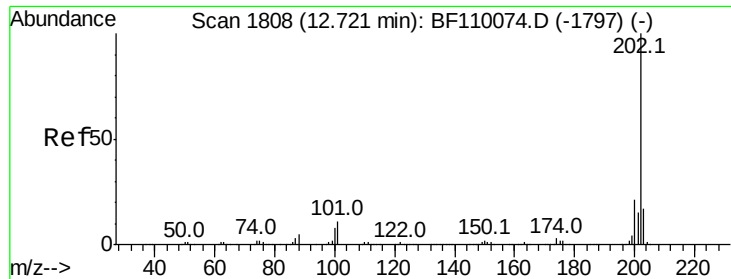


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.437 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

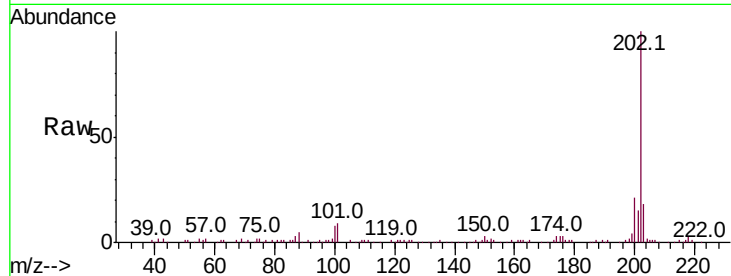
Tot Ion:202 Resp: 86991

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

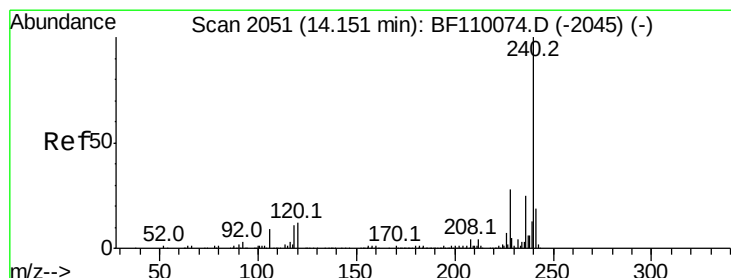
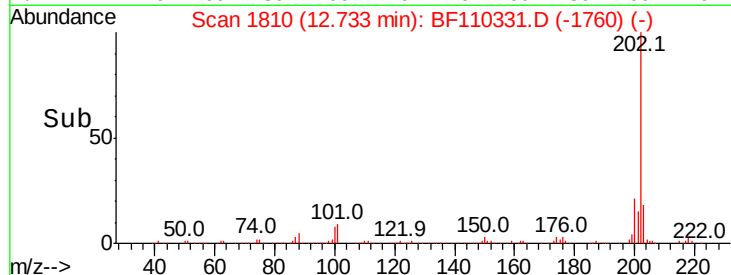
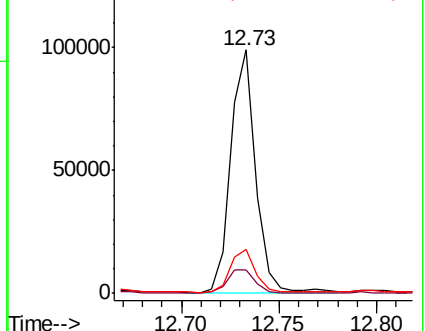
203 18.2 0.0 37.7



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: 14.17 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

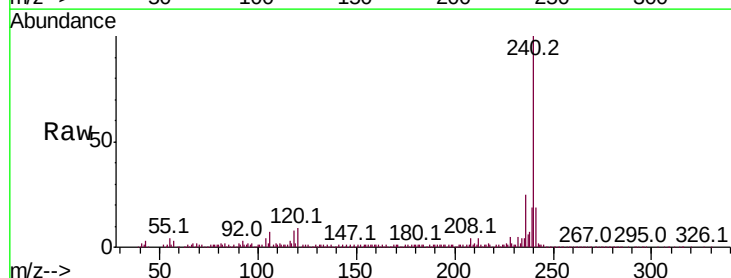
Tgt Ion:240 Resp: 192016

Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

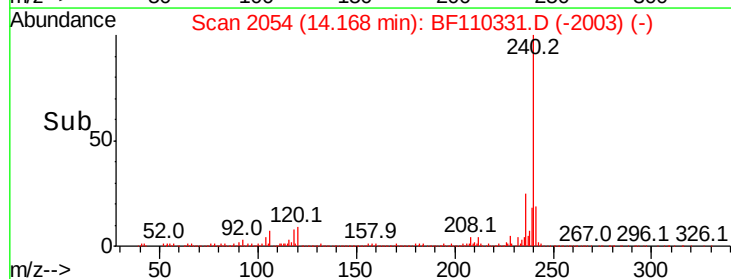
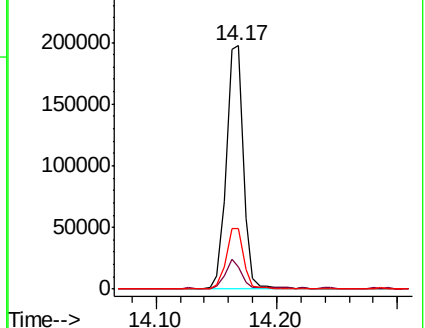
236 24.7 21.2 31.8

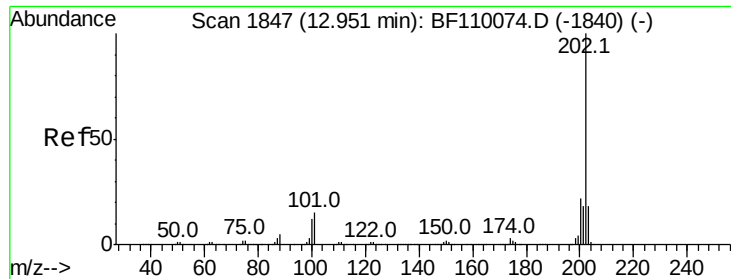


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

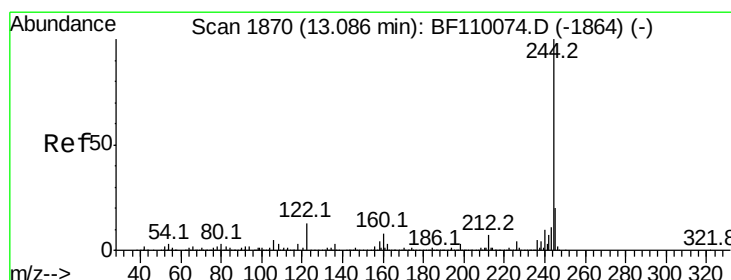
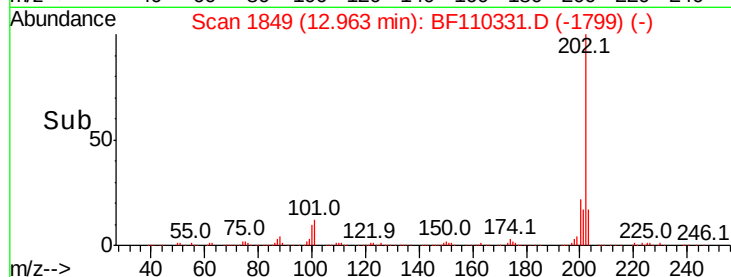
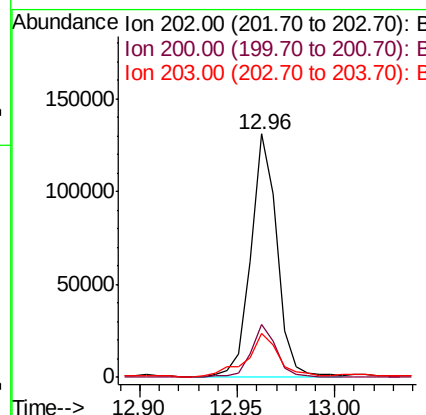
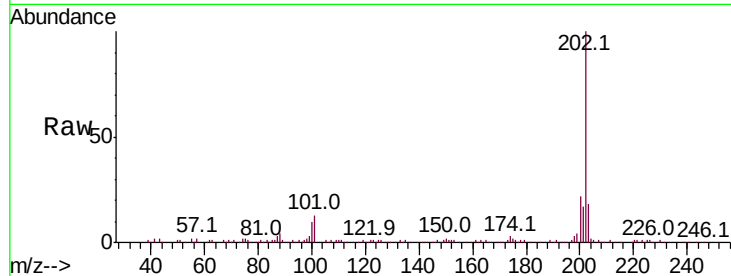




#78
Pvrene
Concen: 8.797 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

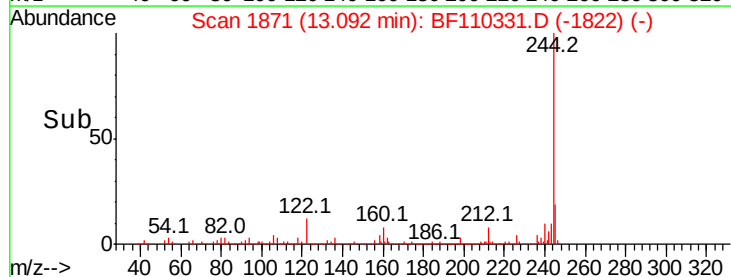
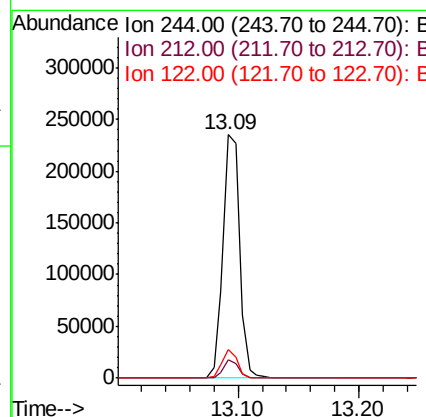
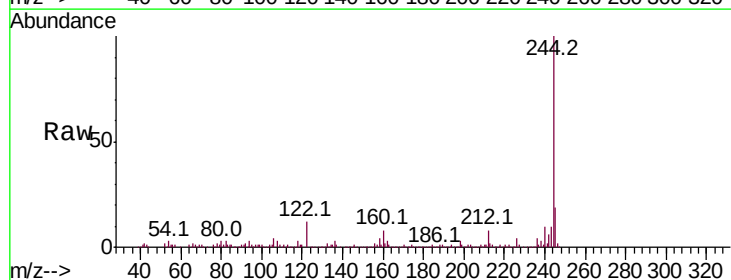
Instrument :
BNA_F
ClientSampleId :
PL-02-103018-A

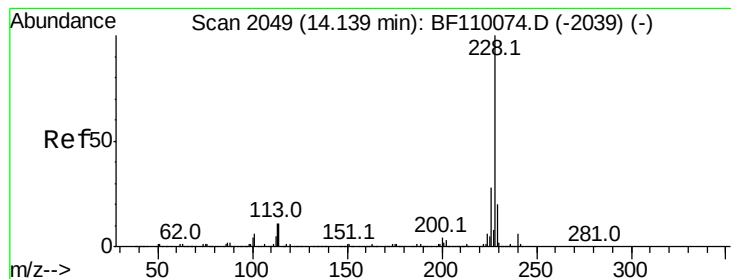
Tot Ion:202 Resp: 121092
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 18.1 14.2 21.4



#79
Terphenyl-d14
Concen: 24.223 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Tgt Ion:244 Resp: 223650
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.8
122 12.0 8.7 13.1





#81

Benzo(a)anthracene

Concen: 4.564 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.03 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

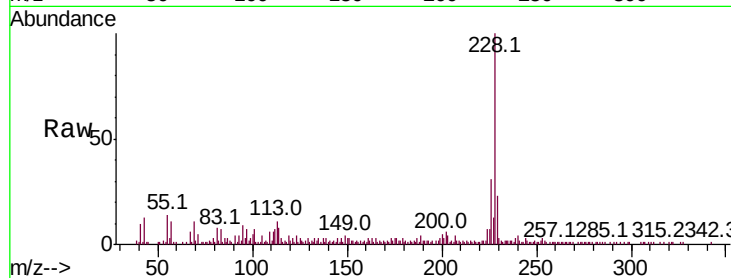
Tot Ion:228 Resp: 51975

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

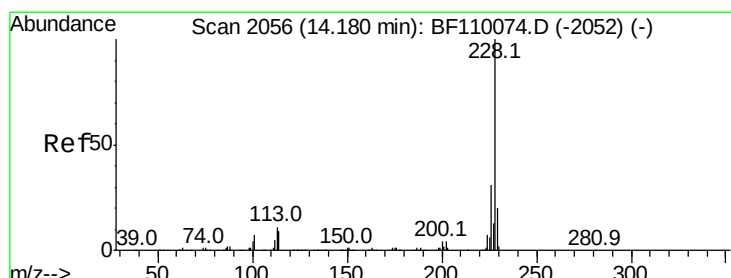
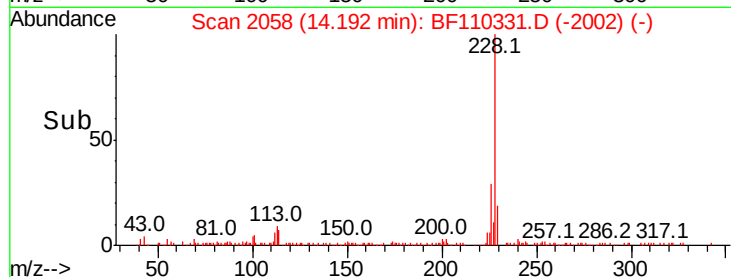
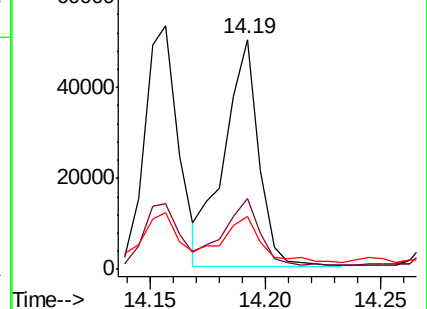
229 23.0 15.6 23.4



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: 4.806 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

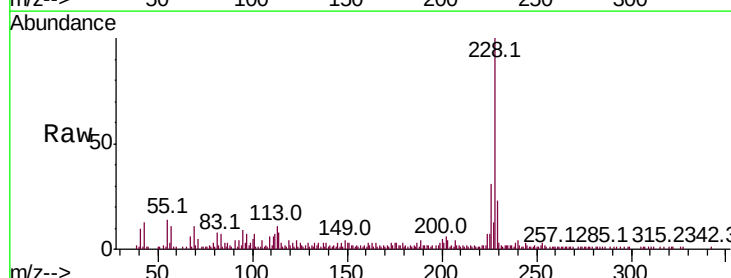
Tgt Ion:228 Resp: 51975

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

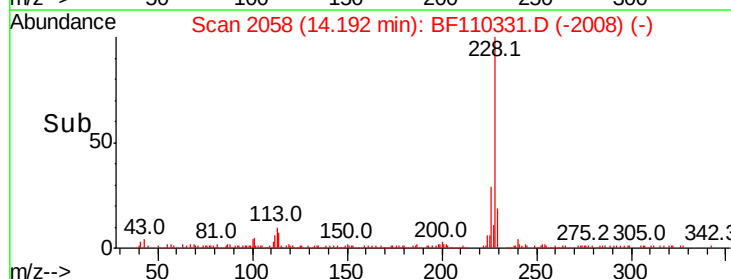
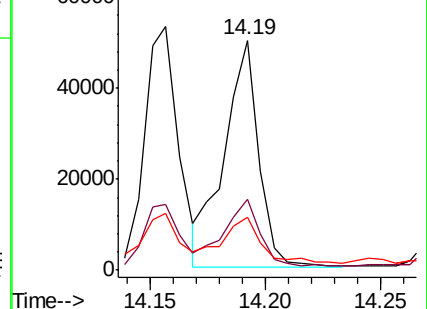
229 23.0 15.9 23.9

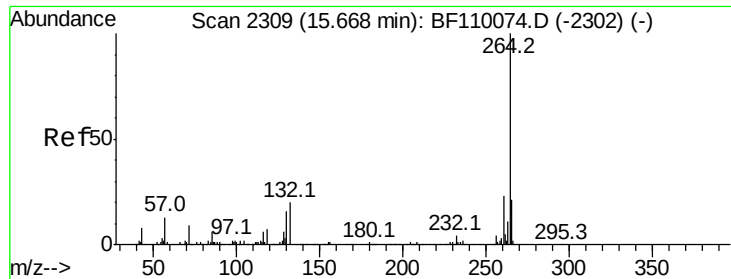


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

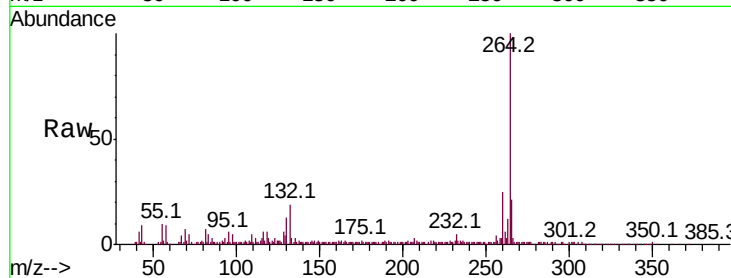




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Instrument :
BNA_F
ClientSampleId :
PL-02-103018-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	21.1	16.7	25.1

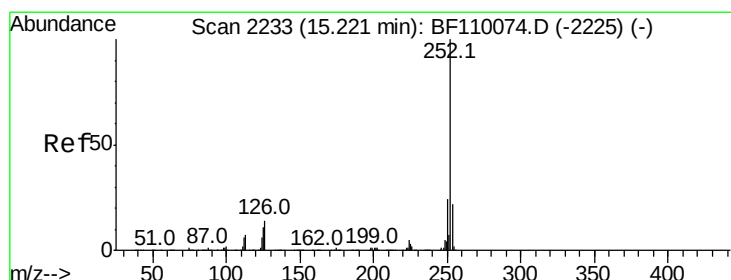
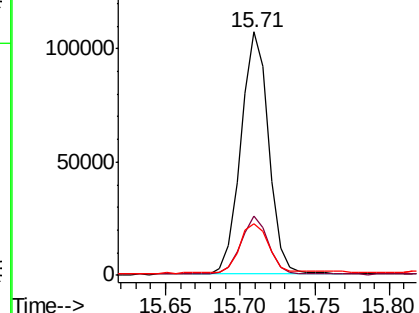
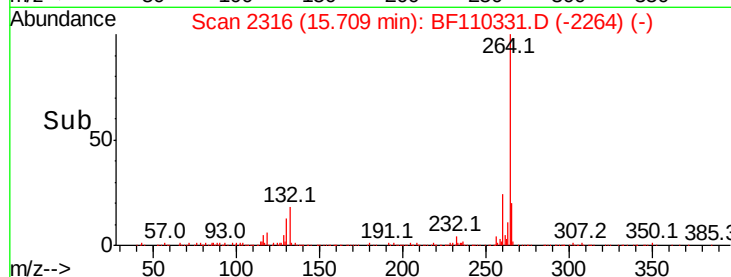


Abundance

Ion 264.00 (263.70 to 264.70): E

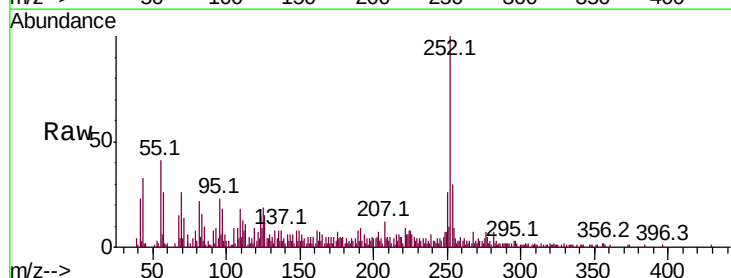
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 7.524 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.2	25.8#
125	19.5	8.2	12.4#

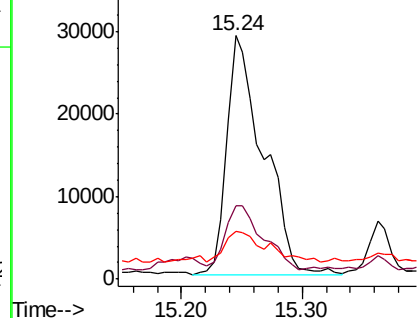
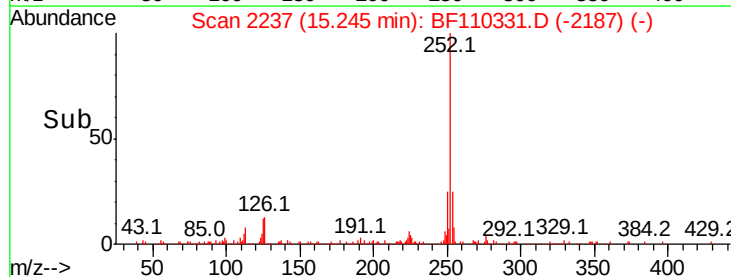


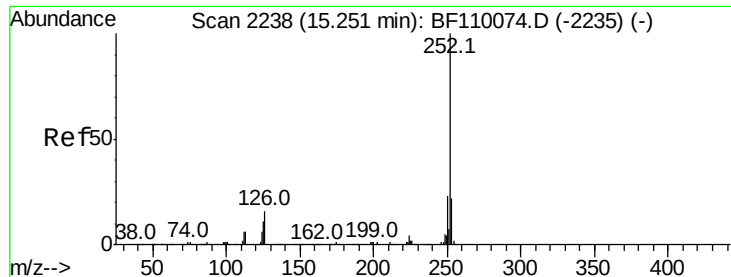
Abundance

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

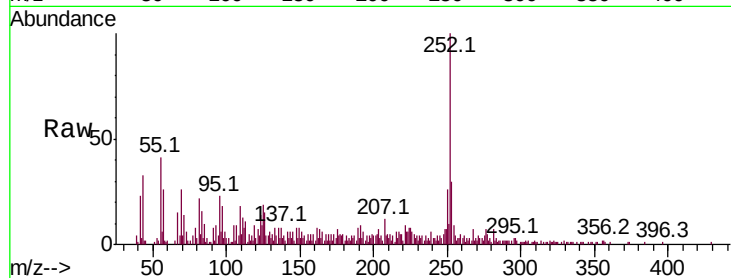




#89
Benzo(k)fluoranthene
Concen: 7.653 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Instrument :
BNA_F
ClientSampleId :
PL-02-103018-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.2	25.8#
125	19.5	7.4	11.0#

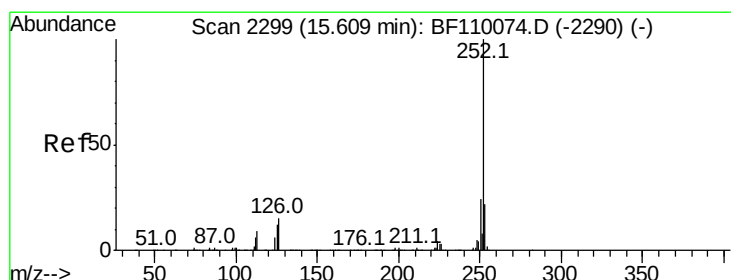
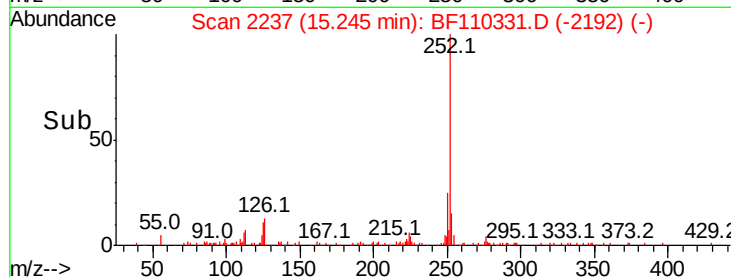
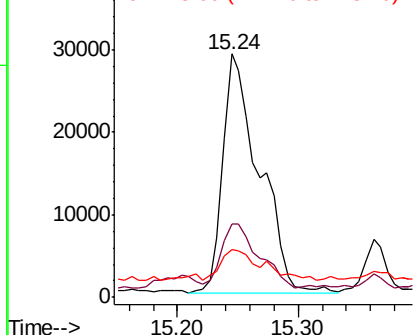


Abundance

Ion 252.00 (251.70 to 252.70): E

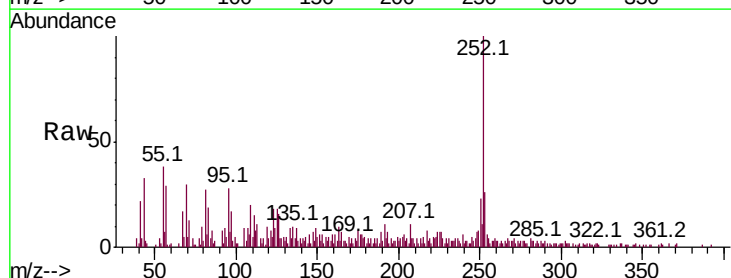
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.719 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF110331.D
Acq: 31 Oct 2018 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.4
125	18.2	9.0	13.6#

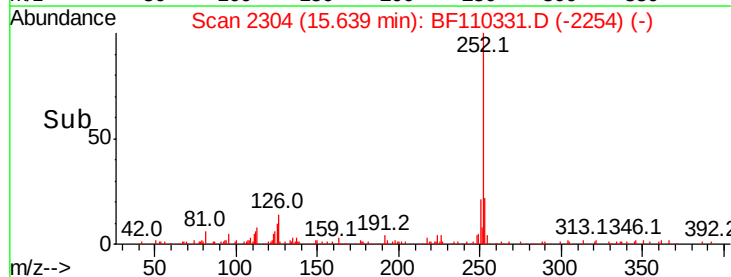
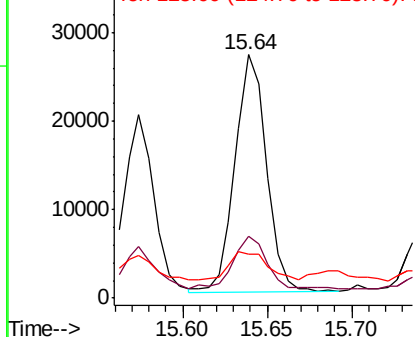


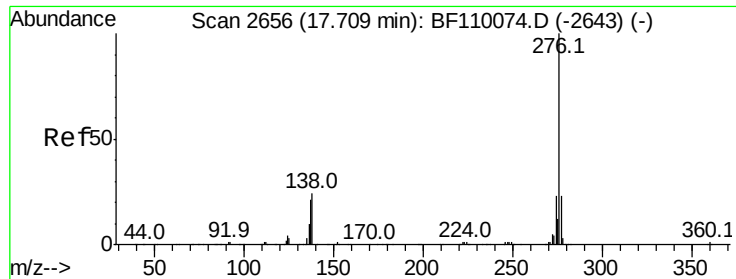
Abundance

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: 2.652 ng

RT: 17.78 min Scan# 2668

Delta R.T. -0.01 min

Lab File: BF110331.D

Acq: 31 Oct 2018 14:32

Instrument :

BNA_F

ClientSampleId :

PL-02-103018-A

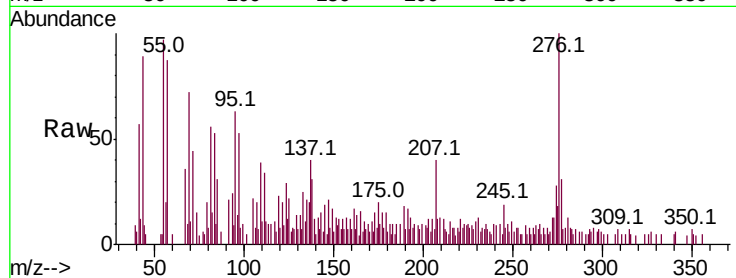
Tot Ion:276 Resp: 16646

Ion Ratio Lower Upper

276 100

277 30.5 18.8 28.2#

138 31.3 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

