

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
 Data File : BF110323.D
 Acq On : 31 Oct 2018 00:21
 Operator : JU/SJ
 Sample : J5685-03DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-27DL

Quant Time: Oct 31 04:36:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	89431	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	331728	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	130989	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	223566	20.00	ng	0.00
76) Chrysene-d12	14.16	240	185443	20.00	ng	0.00
87) Perylene-d12	15.70	264	122760	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	244285	44.48	ng	0.00
7) Phenol-d6	6.59	99	296523	42.21	ng	0.00
23) Nitrobenzene-d5	7.53	82	174747	31.24	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	50635	39.02	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	316997	38.00	ng	0.00
79) Terphenyl-d14	13.09	244	271940	30.50	ng	0.00

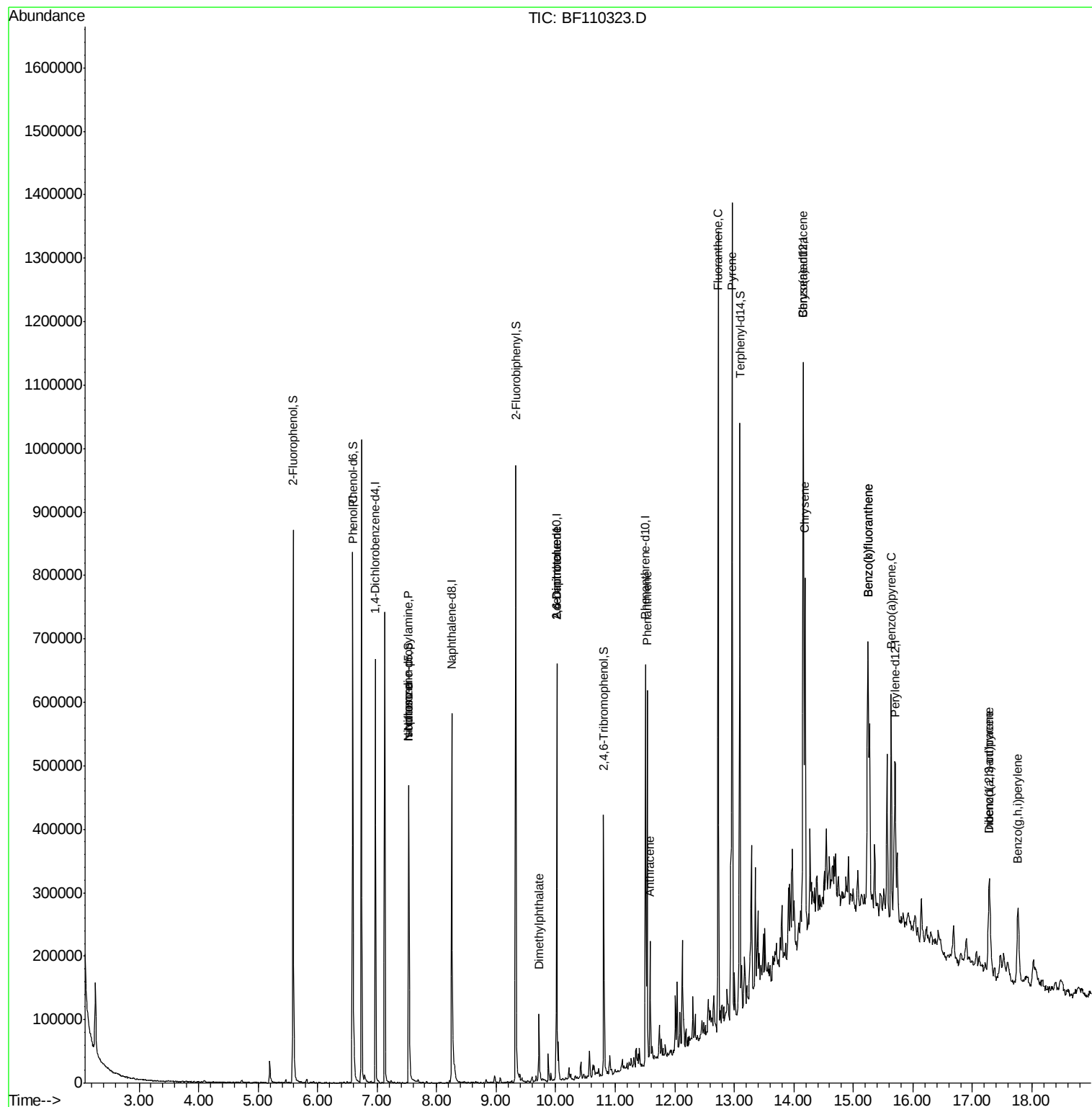
Target Compounds				Qvalue		
10) Phenol	6.60	94	19808	2.638	ng	# 78
19) n-Nitroso-di-n-propylamine	7.53	70	22230	4.933	ng	# 82
25) Isophorone	7.53	82	174746	18.330	ng	# 67
50) Dimethylphthalate	9.72	163	48328	4.998	ng	98
51) 2,6-Dinitrotoluene	10.02	165	16926	8.127	ng	# 21
57) 2,4-Dinitrotoluene	10.02	165	16926	6.398	ng	# 17
71) Phenanthrene	11.53	178	201375	17.214	ng	99
72) Anthracene	11.59	178	77224	6.586	ng	99
75) Fluoranthene	12.73	202	521007	43.885	ng	97
77) Benzidine	12.86	184	217	Below Cal		# 1
78) Pyrene	12.96	202	518469	38.998	ng	99
81) Benzo(a)anthracene	14.15	228	277650	25.247	ng	97
83) Chrysene	14.19	228	227340	21.765	ng	97
86) Indeno(1,2,3-cd)pyrene	17.28	276	103408	11.934	ng	98
88) Benzo(b)fluoranthene	15.24	252	341135	48.122	ng	97
89) Benzo(k)fluoranthene	15.24	252	341135	48.949	ng	# 96
90) Benzo(a)pyrene	15.63	252	175679	26.932	ng	99
91) Dibenzo(a,h)anthracene	17.29	278	26353	4.682	ng	# 85
92) Benzo(g,h,i)perylene	17.76	276	100608	18.140	ng	99

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

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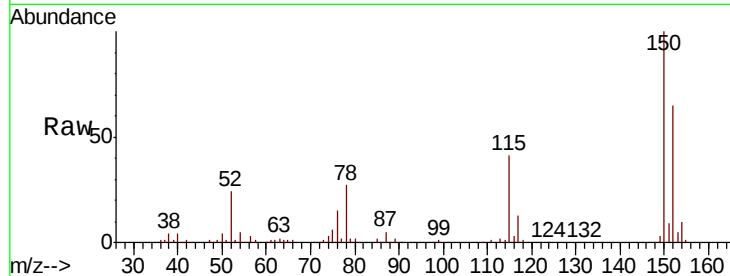


#1

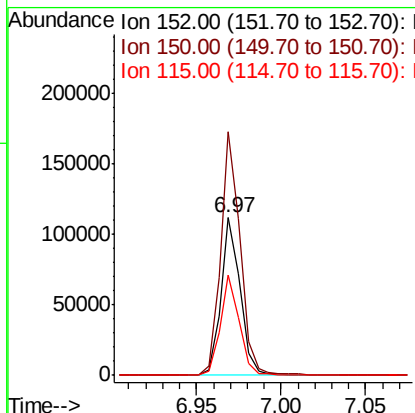
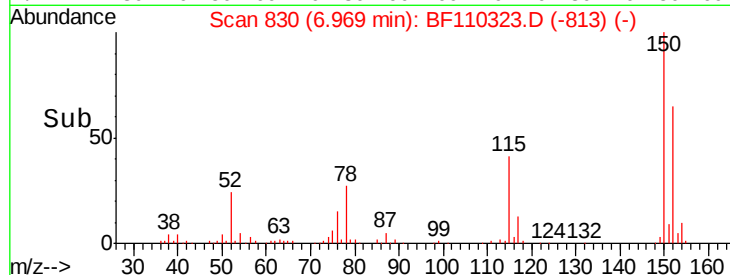
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
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Tgt Ion:152 Resp: 89431
Ion Ratio Lower Upper
152 100
150 154.3 122.7 184.1
115 63.6 49.1 73.7



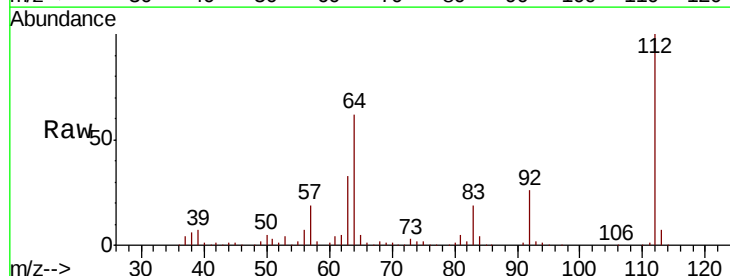
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



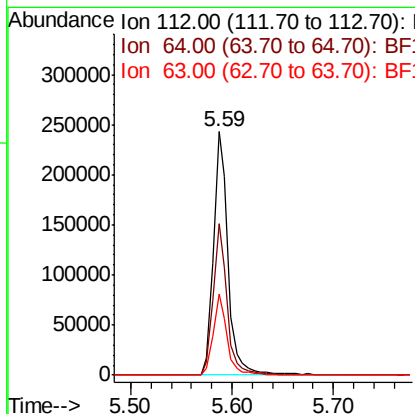
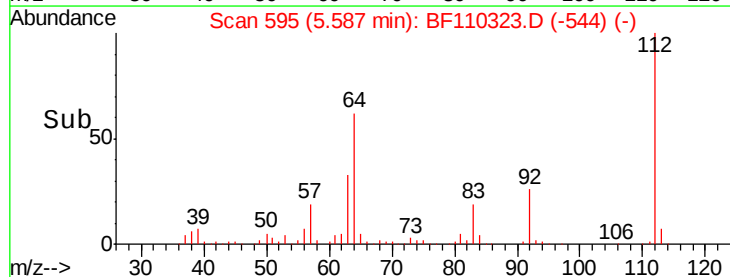
#5

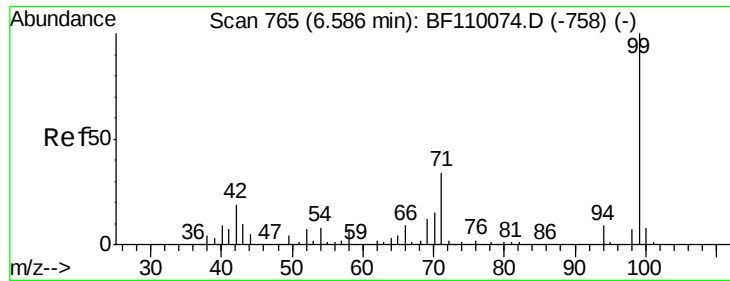
2-Fluorophenol
Concen: 44.482 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion:112 Resp: 244285
Ion Ratio Lower Upper
112 100
64 62.0 44.1 66.1
63 33.1 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: 42.213 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-27DL

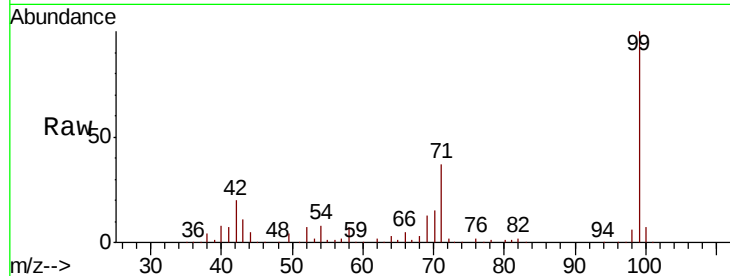
Tgt Ion: 99 Resp: 296523

Ion Ratio Lower Upper

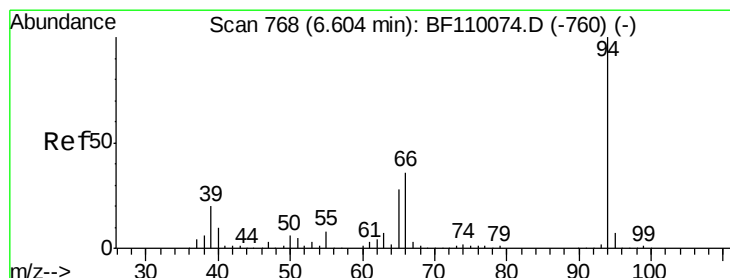
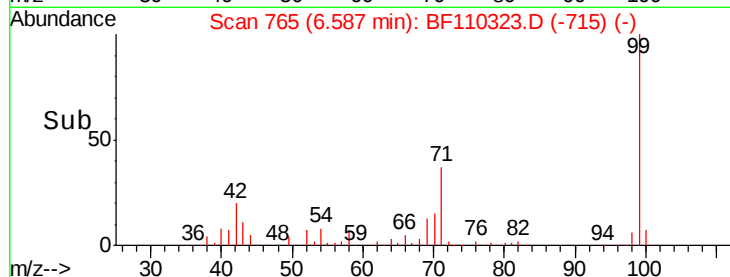
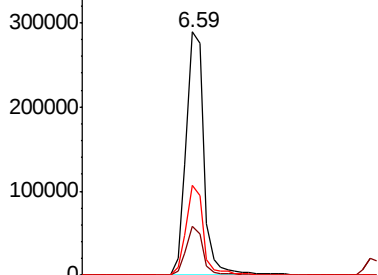
99 100

42 20.2 15.8 23.6

71 36.9 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: 2.638 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

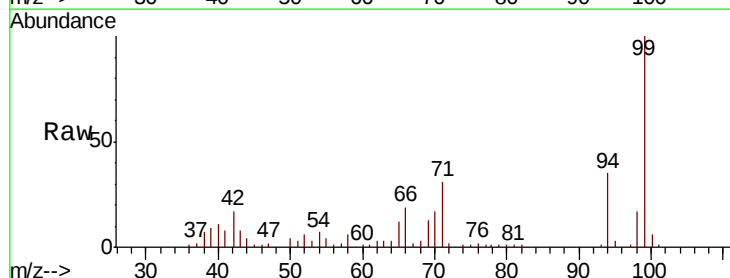
Tgt Ion: 94 Resp: 19808

Ion Ratio Lower Upper

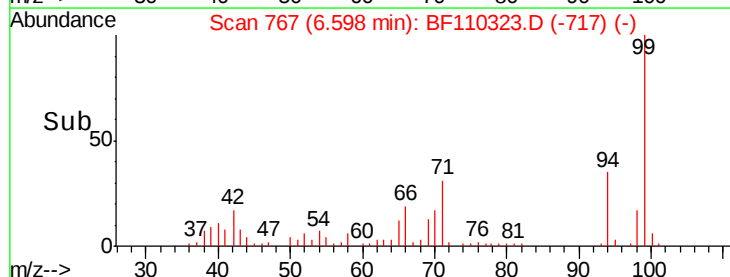
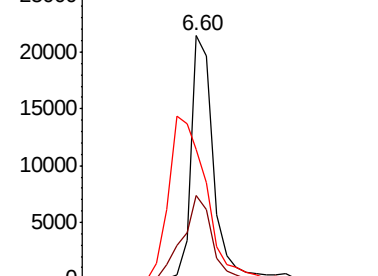
94 100

65 34.1 25.3 65.3

66 53.0 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

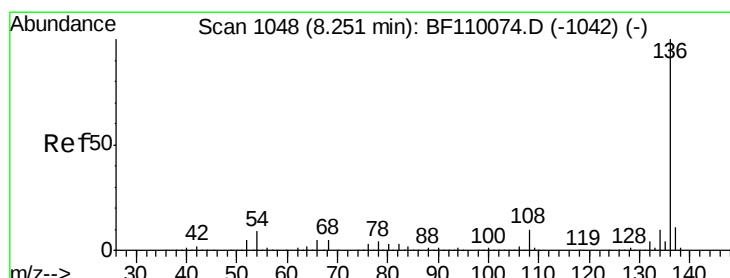
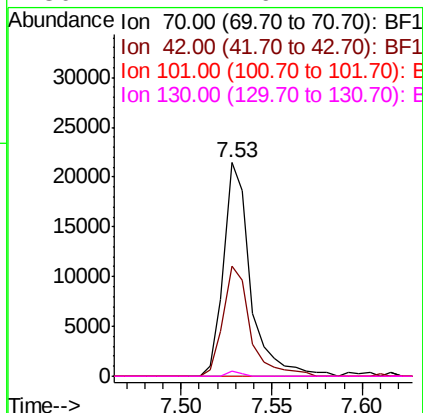
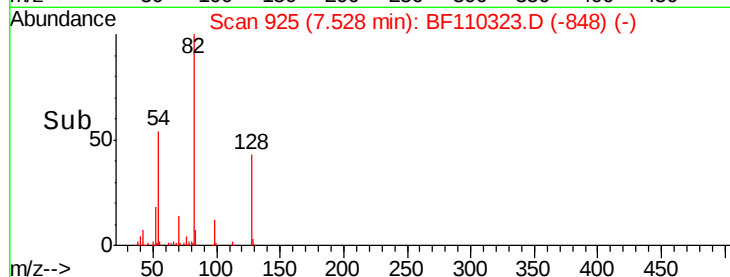
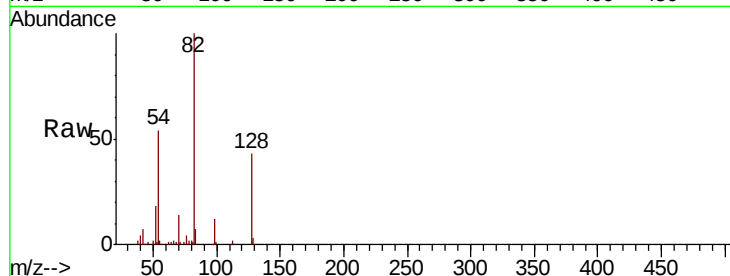




#19
n-Nitroso-di-n-propylamine
Concen: 4.933 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.15 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

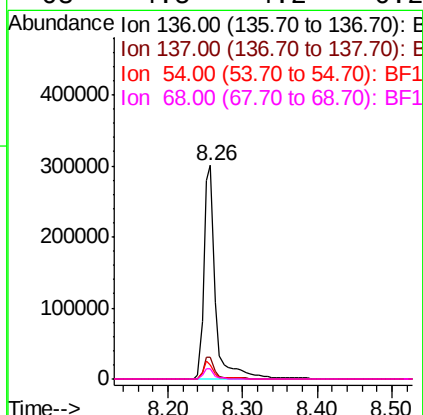
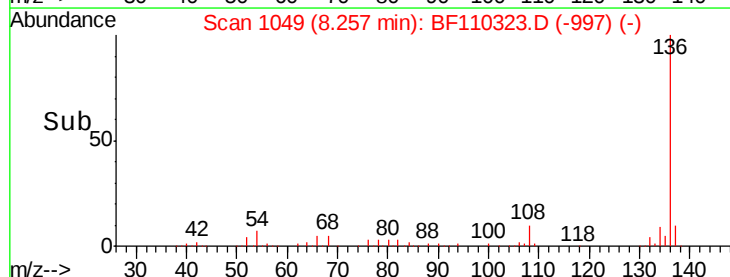
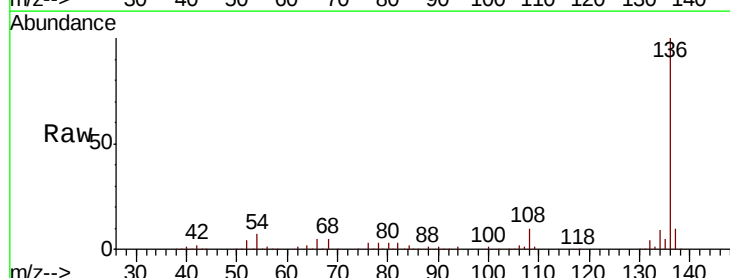
Instrument :
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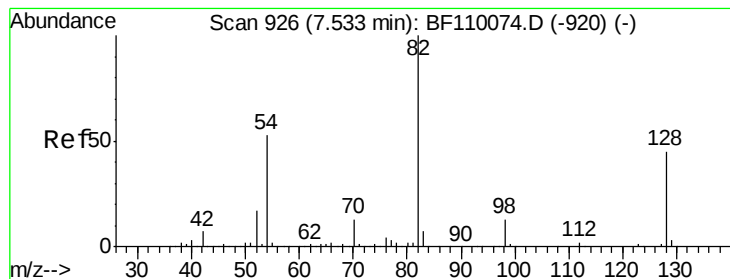
Tgt Ion: 70 Resp: 22230
Ion Ratio Lower Upper
70 100
42 51.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion: 136 Resp: 331728
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.8 5.4 8.2
68 4.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 31.245 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-27DL

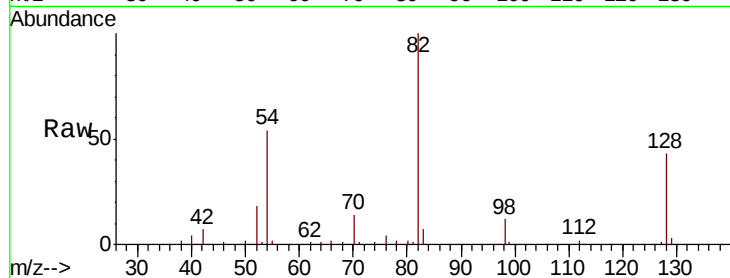
Tgt Ion: 82 Resp: 174747

Ion Ratio Lower Upper

82 100

128 43.1 34.2 51.2

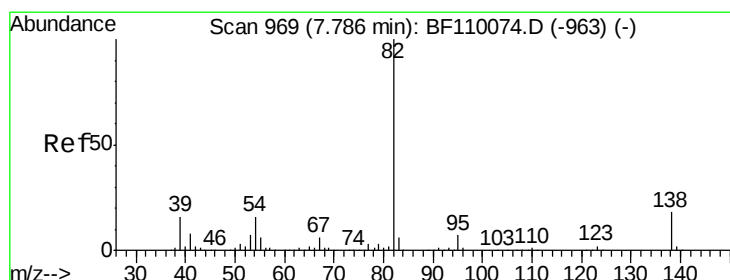
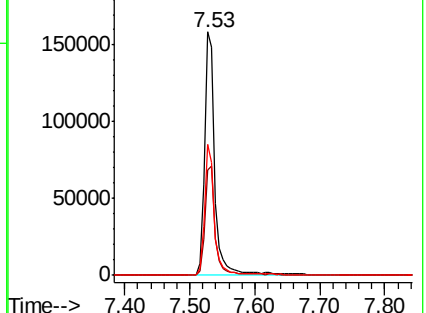
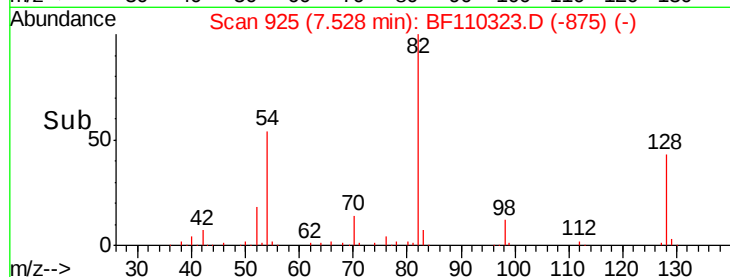
54 54.0 38.6 58.0



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: 18.330 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

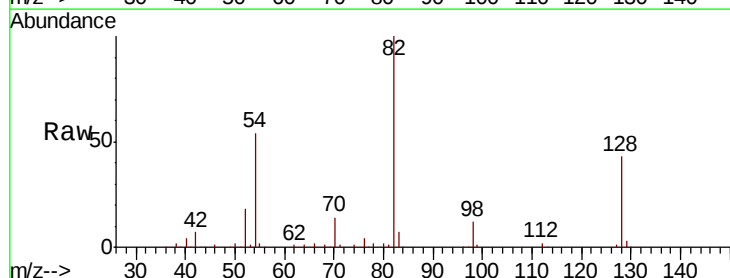
Tgt Ion: 82 Resp: 174746

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

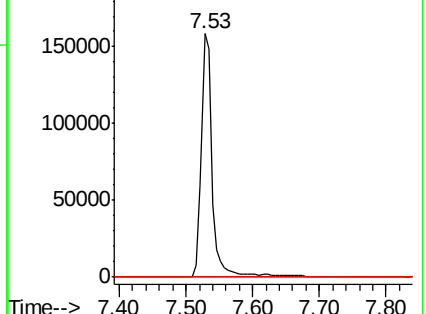
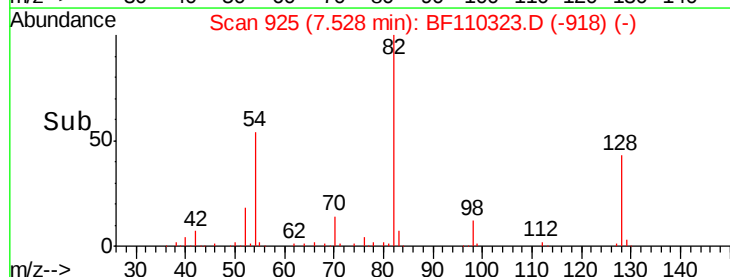
138 0.0 13.2 19.8#



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. 0.00 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

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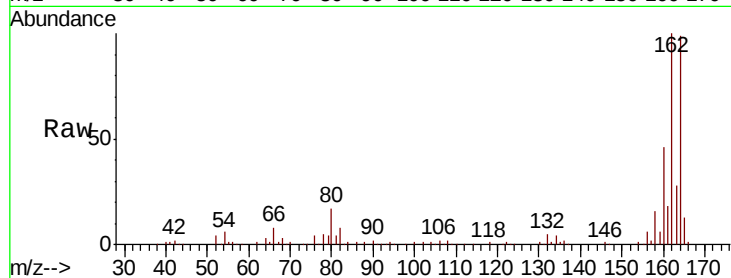
Tgt Ion:164 Resp: 130989

Ion Ratio Lower Upper

164 100

162 100.6 83.0 124.6

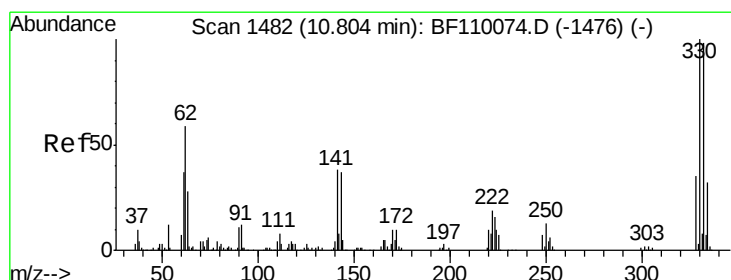
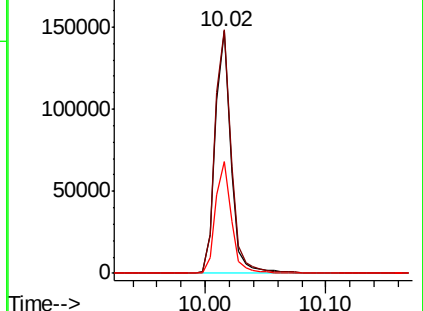
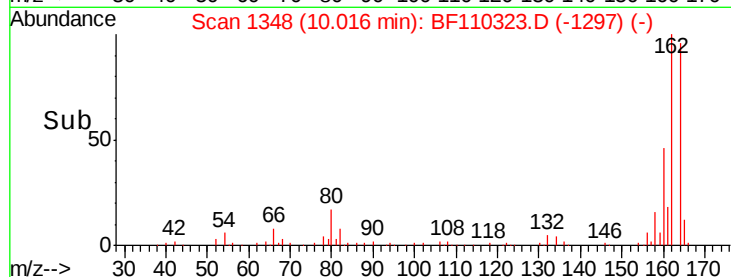
160 46.4 37.0 55.6



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: 39.024 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

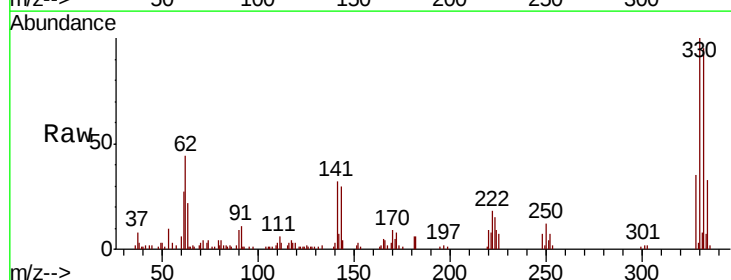
Tgt Ion:330 Resp: 50635

Ion Ratio Lower Upper

330 100

332 94.7 77.1 115.7

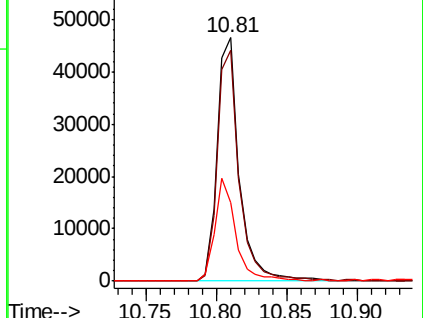
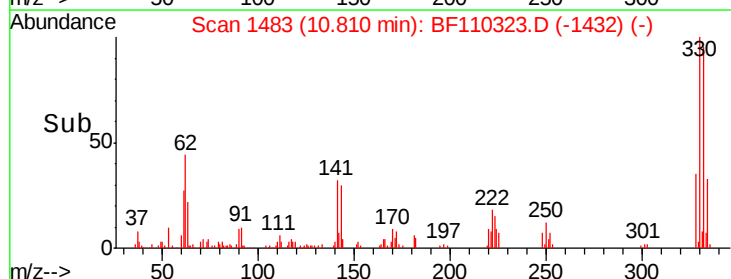
141 40.1 27.0 40.4



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

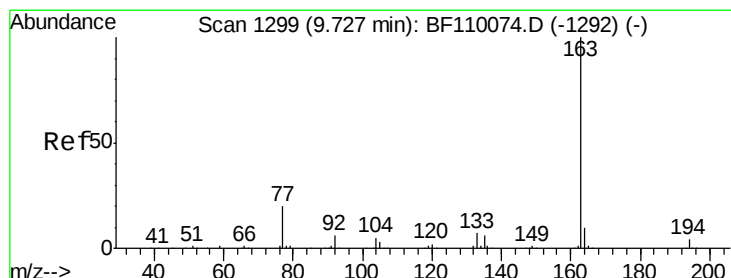
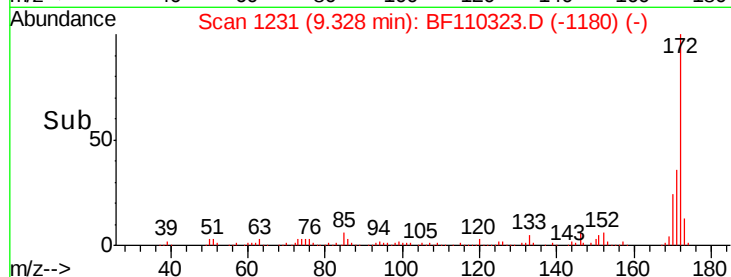
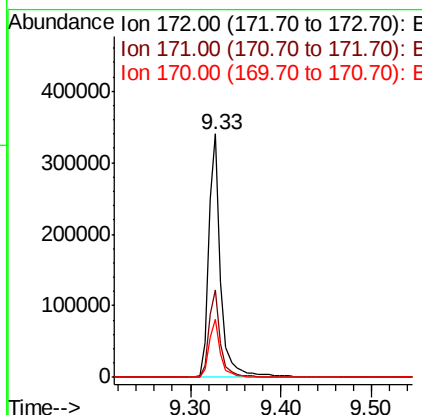
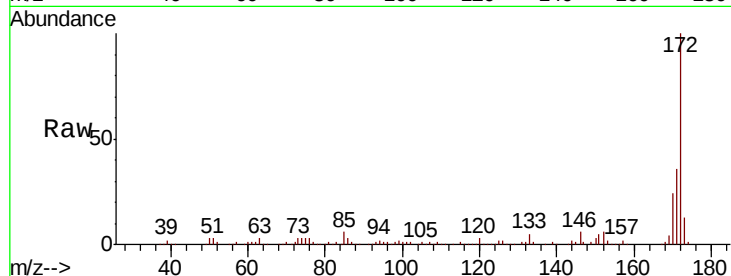




#45
 2-Fluorobiphenyl
 Concen: 38.001 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

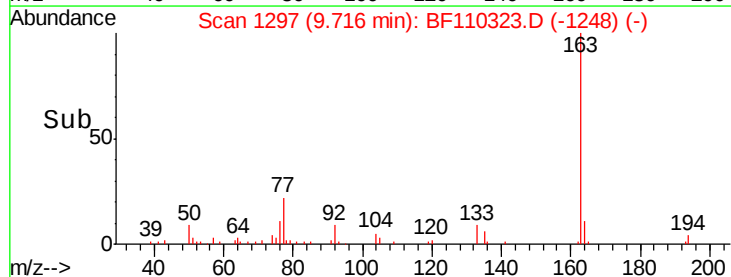
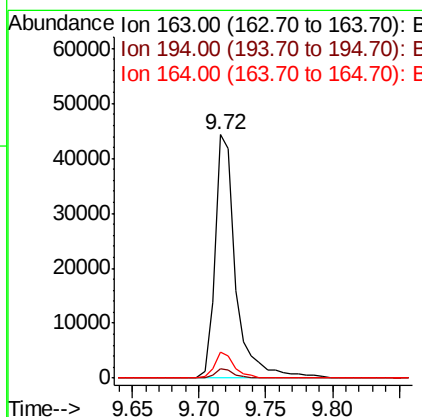
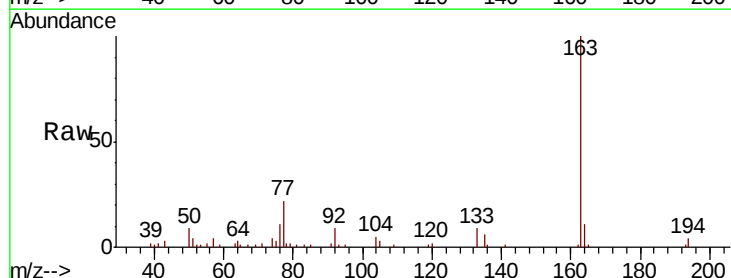
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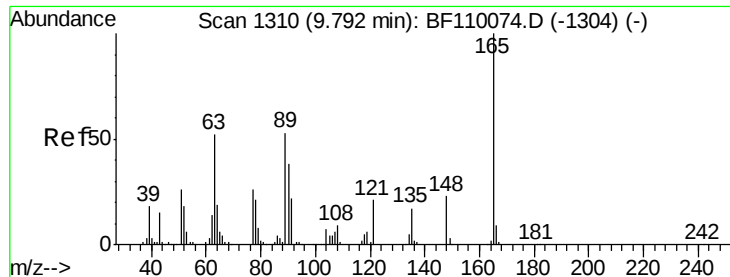
Tgt Ion:172 Resp: 316997
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.6 19.7 29.5



#50
 Dimethylphthalate
 Concen: 4.998 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

Tgt Ion:163 Resp: 48328
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.2 4.8
 164 10.8 8.1 12.1

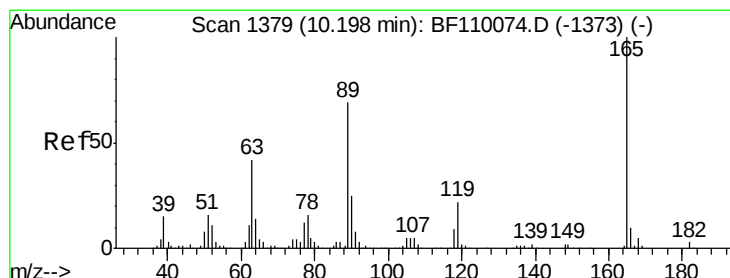
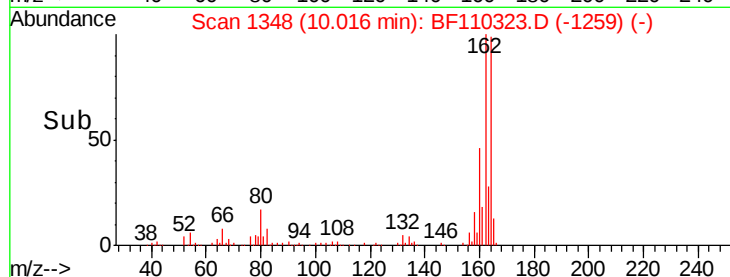
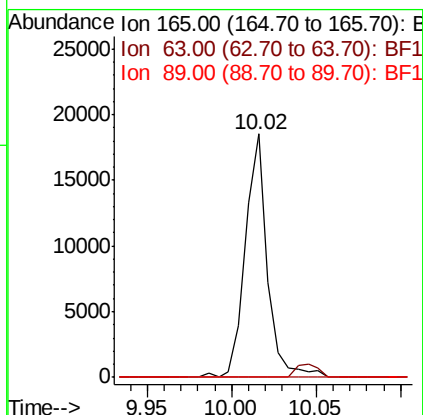
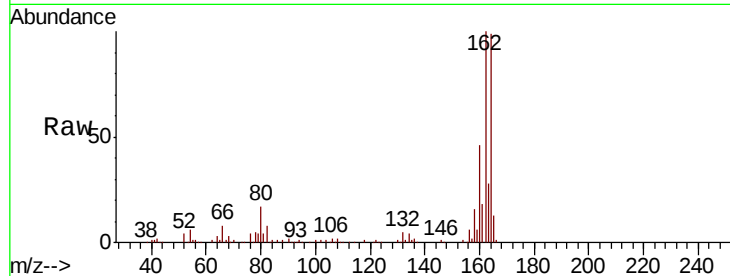




#51
 2,6-Dinitrotoluene
 Concen: 8.127 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.22 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

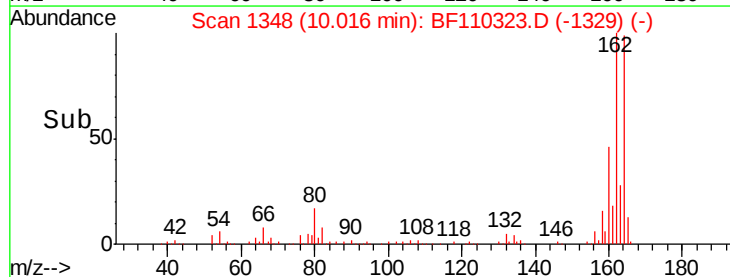
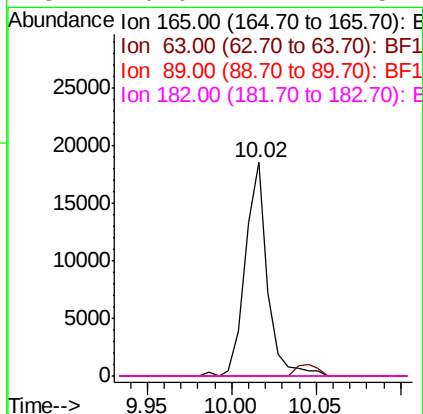
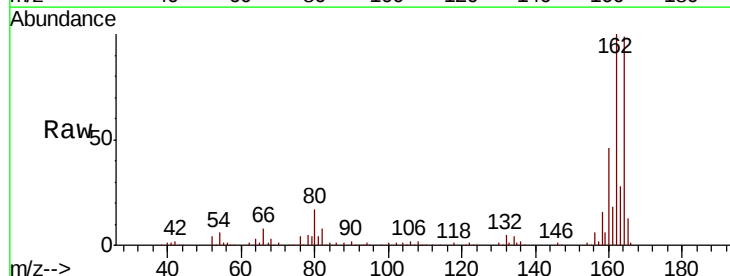
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-27DL

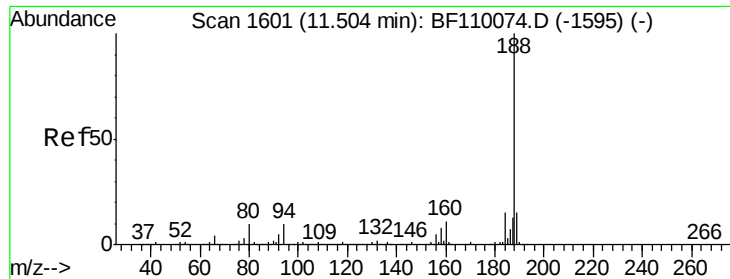
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.398 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

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#

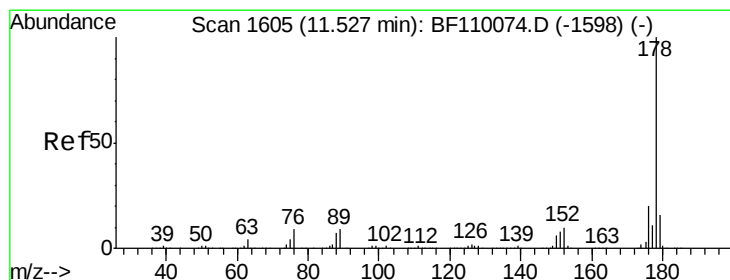
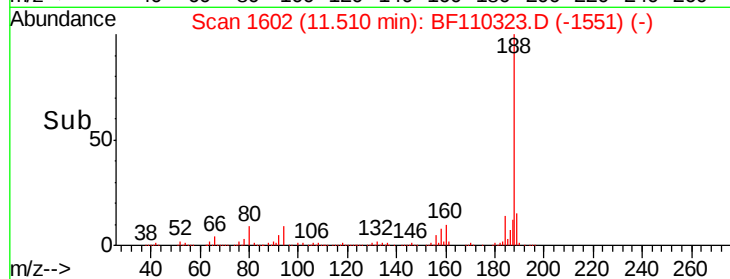
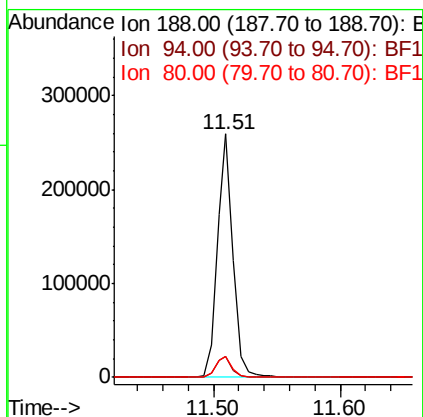
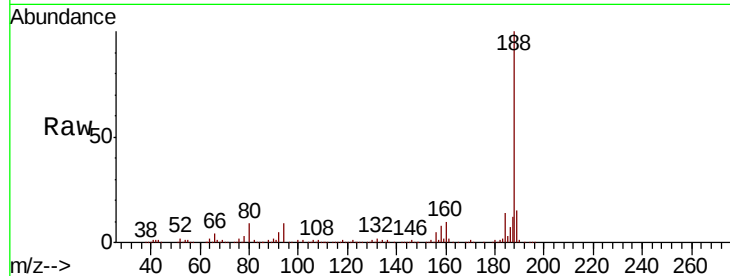




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

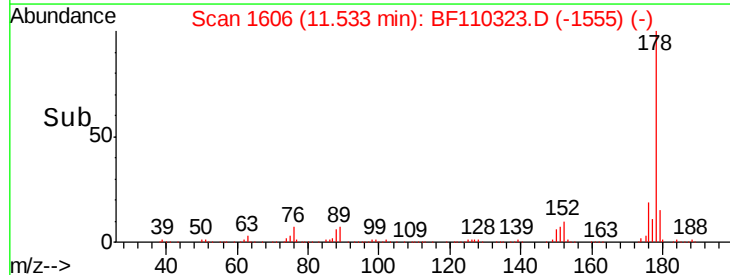
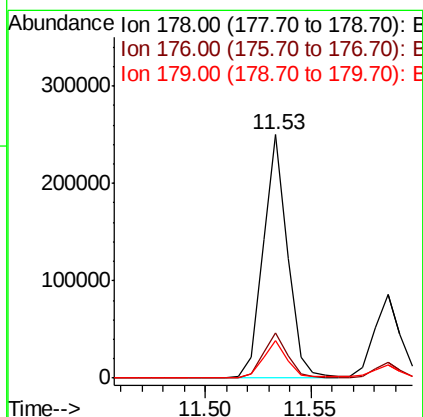
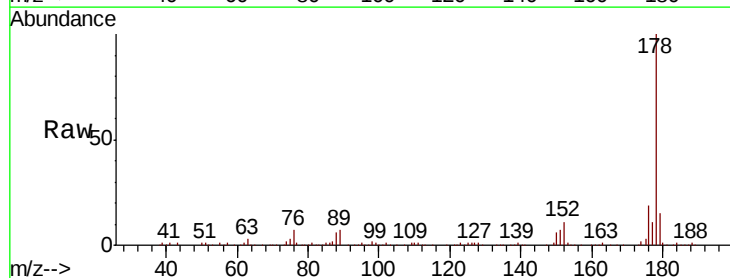
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

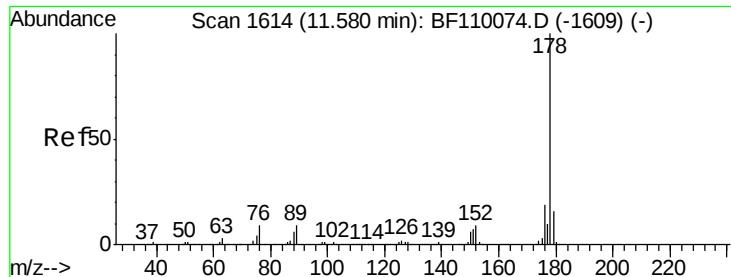
Tgt Ion:188 Resp: 223566
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 8.6 7.9 11.9



#71
Phenanthrene
Concen: 17.214 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion:178 Resp: 201375
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.2 12.5 18.7





#72

Anthracene

Concen: 6.586 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-27DL

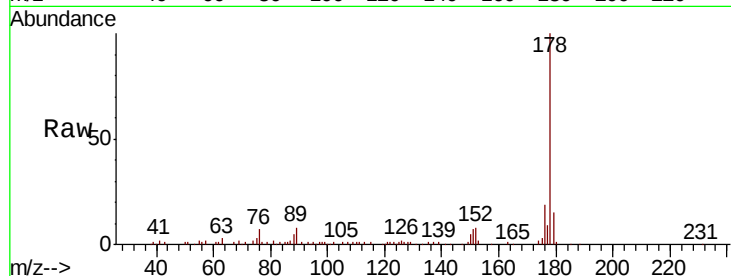
Tgt Ion:178 Resp: 77224

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

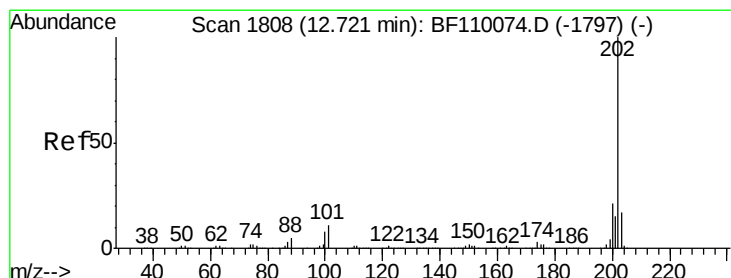
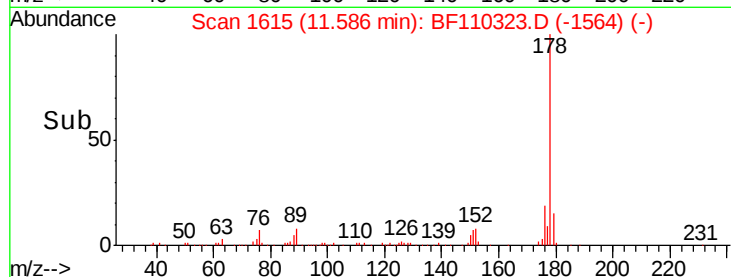
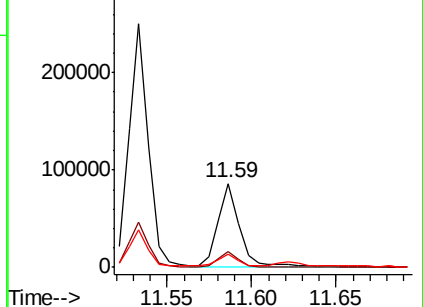
179 15.4 12.6 18.8



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: 43.885 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

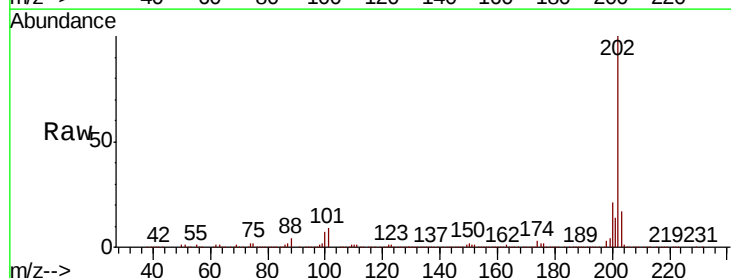
Tgt Ion:202 Resp: 521007

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

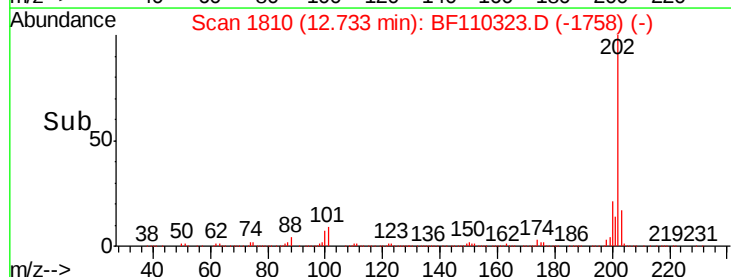
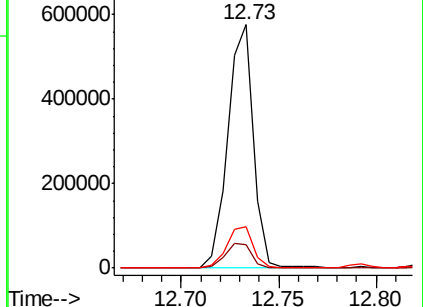
203 17.1 0.0 37.7

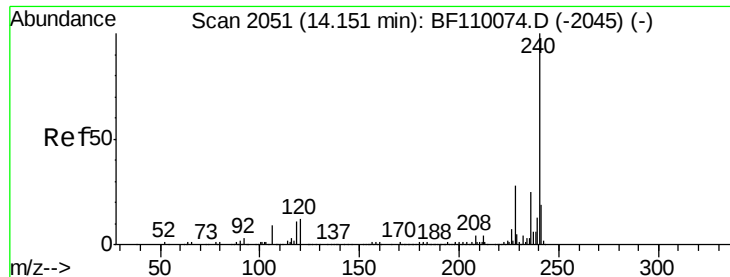


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

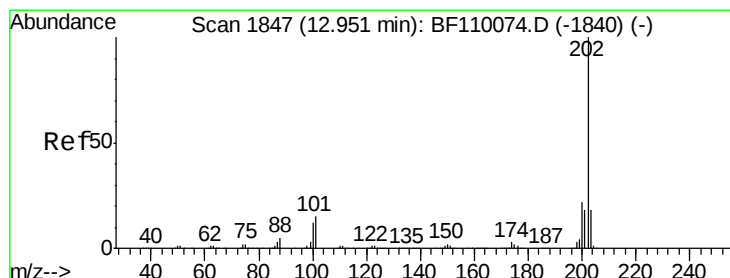
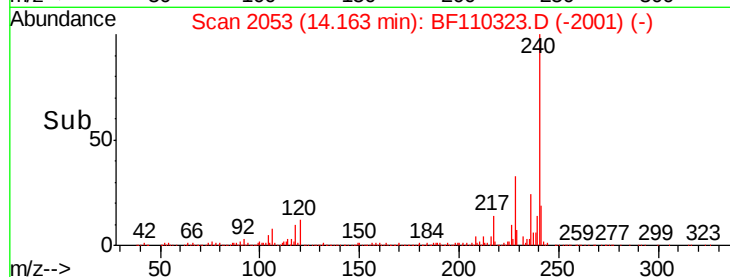
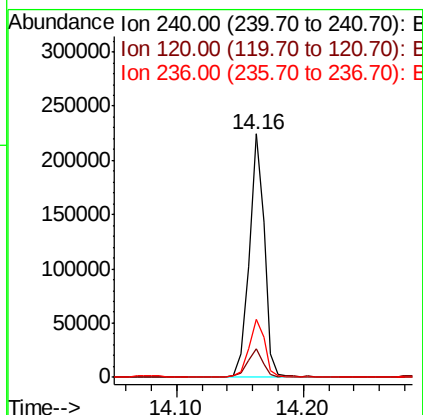
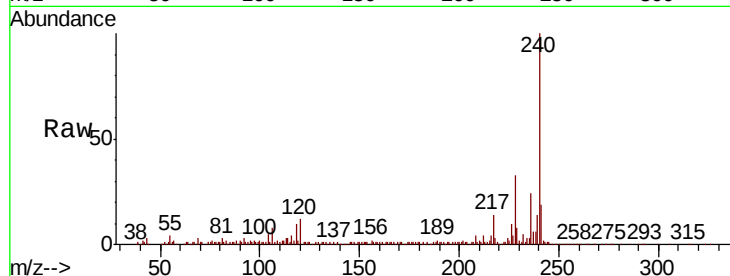




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

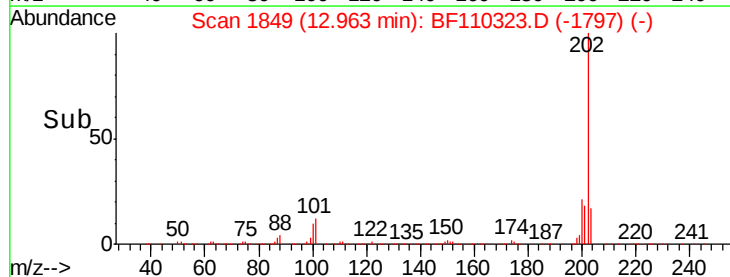
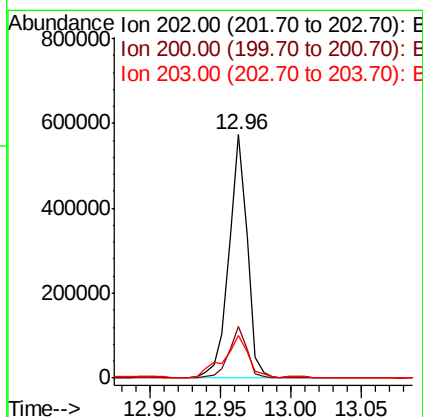
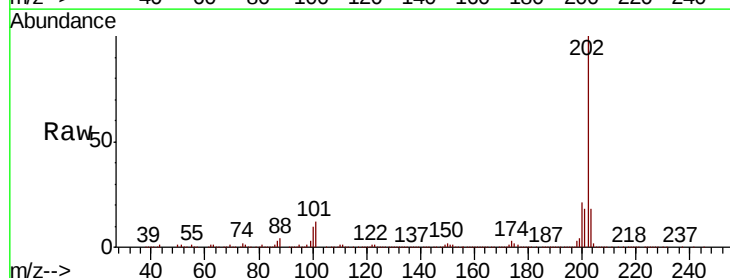
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

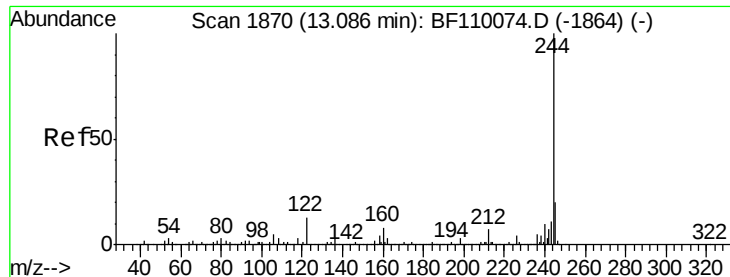
Tgt Ion:240 Resp: 185443
Ion Ratio Lower Upper
240 100
120 11.8 8.3 12.5
236 23.9 21.2 31.8



#78
Pyrene
Concen: 38.998 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion:202 Resp: 518469
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 17.6 14.2 21.4

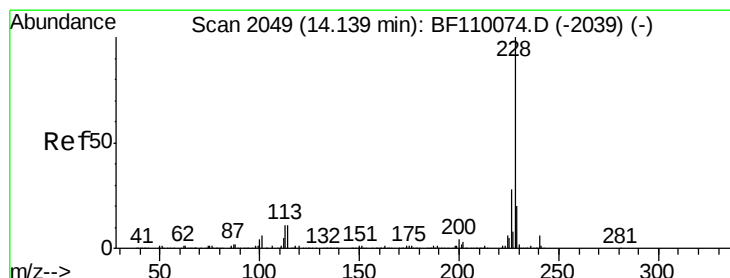
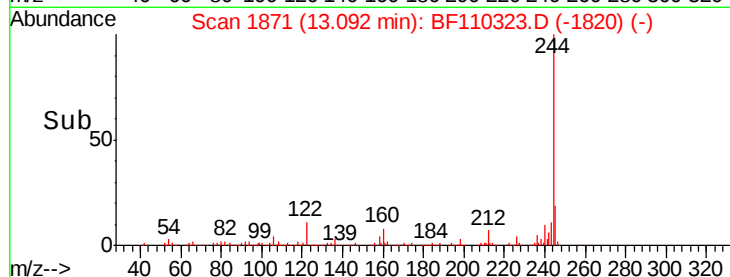
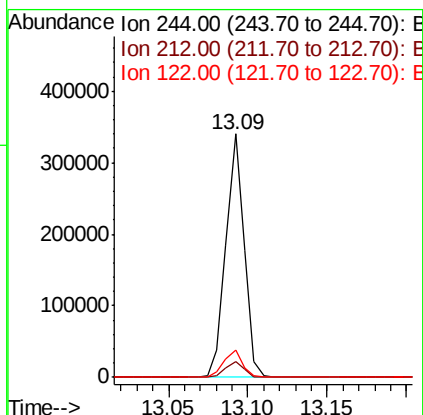
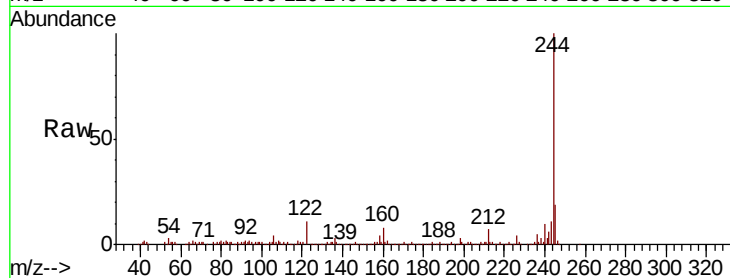




#79
 Terphenyl-d14
 Concen: 30.498 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

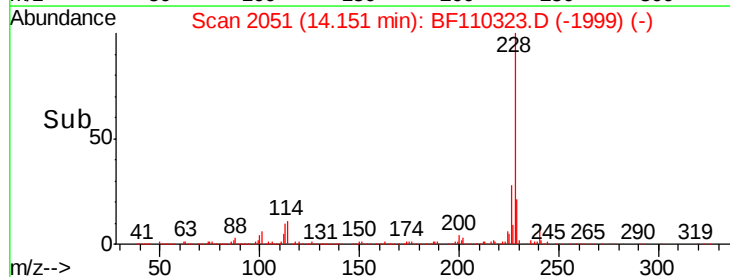
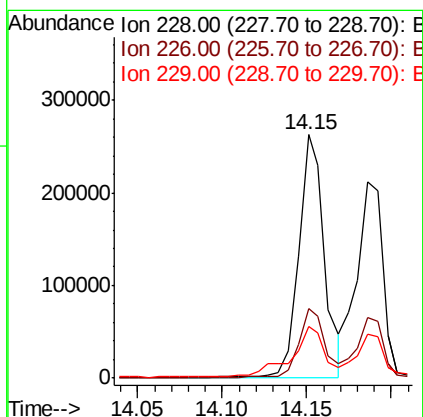
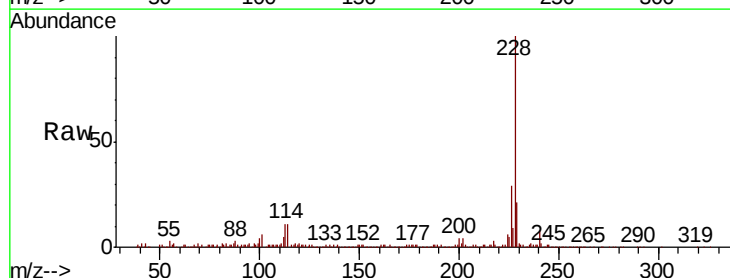
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-27DL

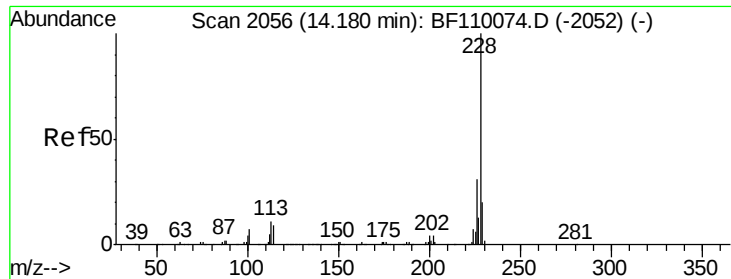
Tgt Ion:244 Resp: 271940
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 11.2 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 25.247 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. 0.01 min
 Lab File: BF110323.D
 Acq: 31 Oct 2018 00:21

Tgt Ion:228 Resp: 277650
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.1 33.1
 229 21.0 15.6 23.4





#83

Chrysene

Concen: 21.765 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-27DL

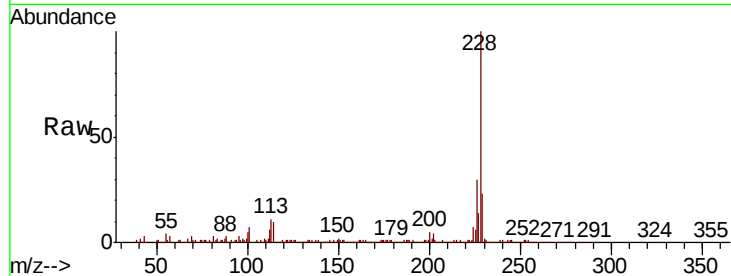
Tgt Ion:228 Resp: 227340

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

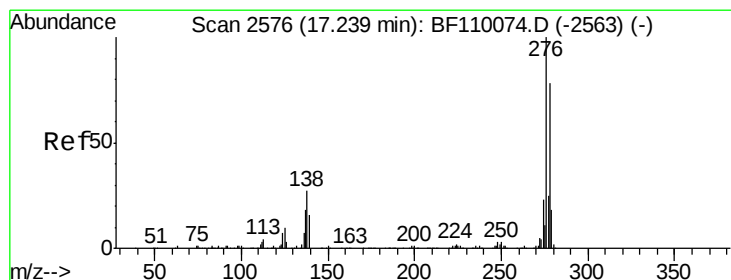
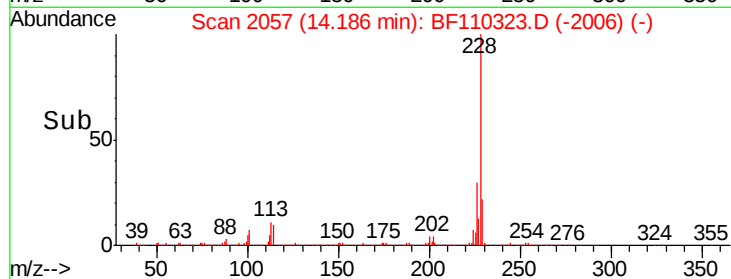
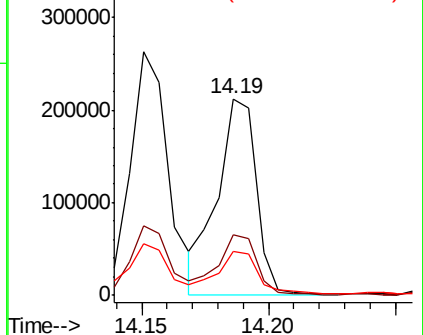
229 22.6 15.9 23.9



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: 11.934 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.02 min

Lab File: BF110323.D

Acq: 31 Oct 2018 00:21

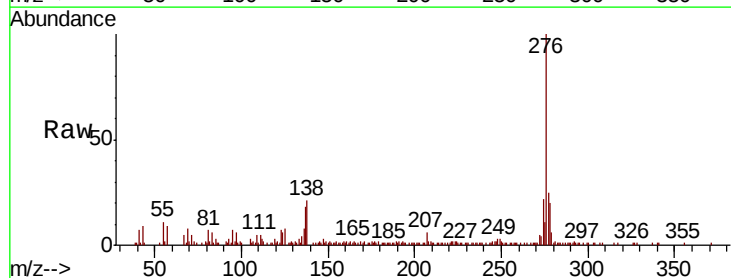
Tgt Ion:276 Resp: 103408

Ion Ratio Lower Upper

276 100

138 20.8 18.5 27.7

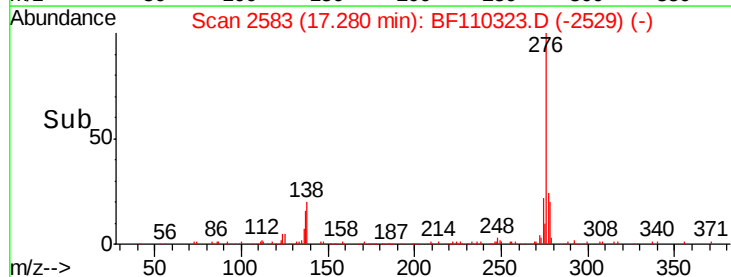
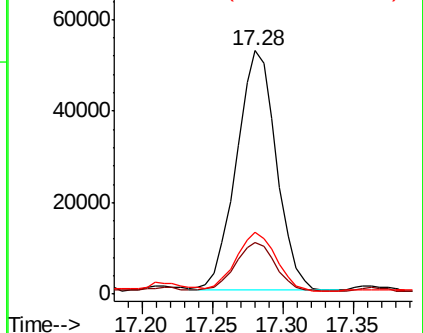
277 25.0 20.0 30.0

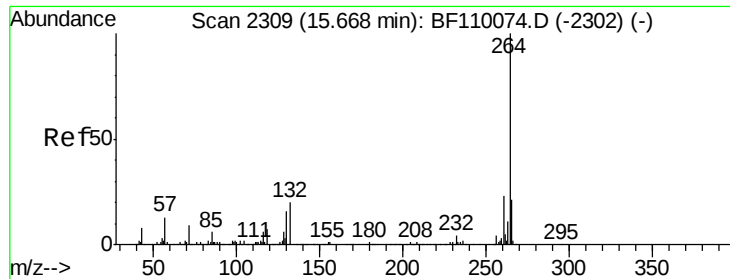


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

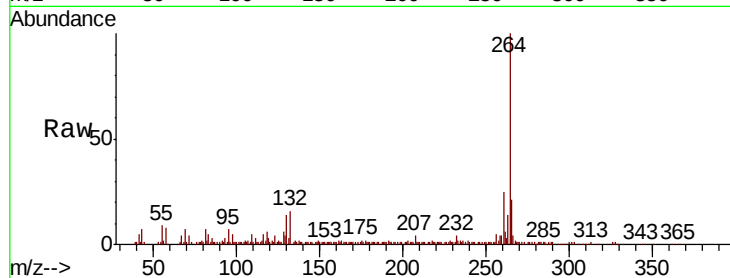




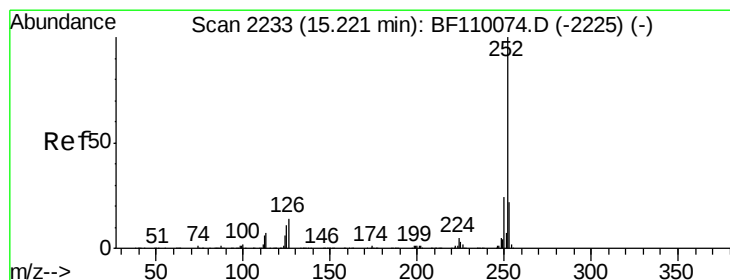
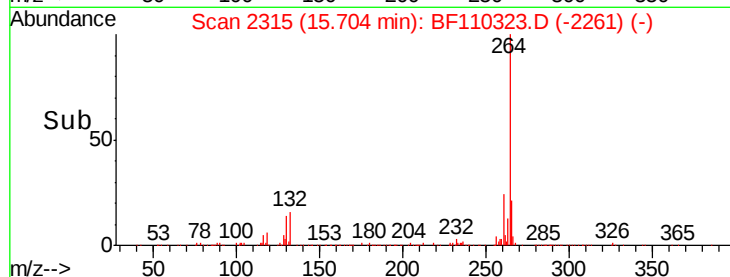
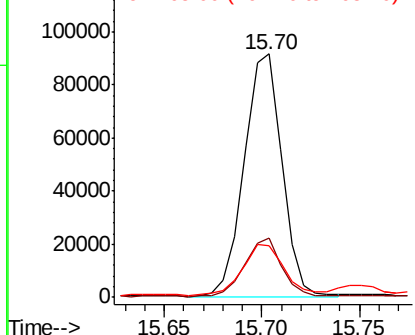
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tgt Ion:264 Resp: 122760
Ion Ratio Lower Upper
264 100
260 24.6 18.7 28.1
265 21.4 16.7 25.1

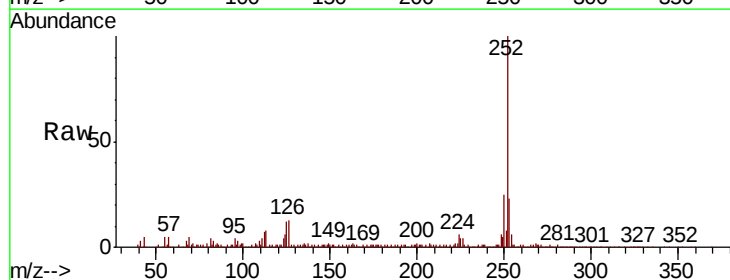


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

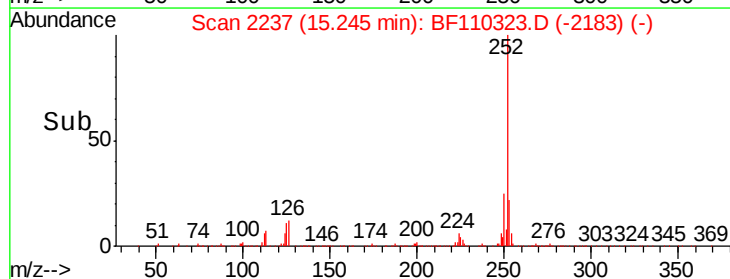
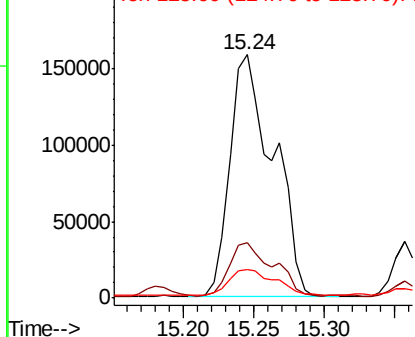


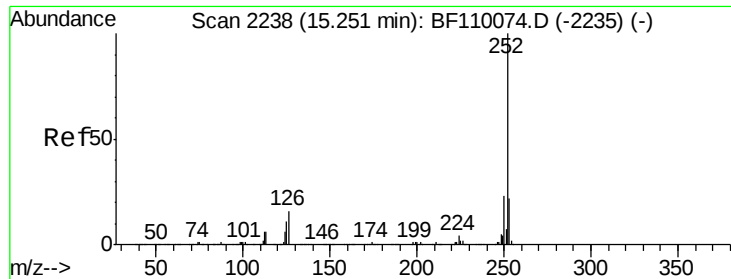
#88
Benzo(b)fluoranthene
Concen: 48.122 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion:252 Resp: 341135
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.8 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

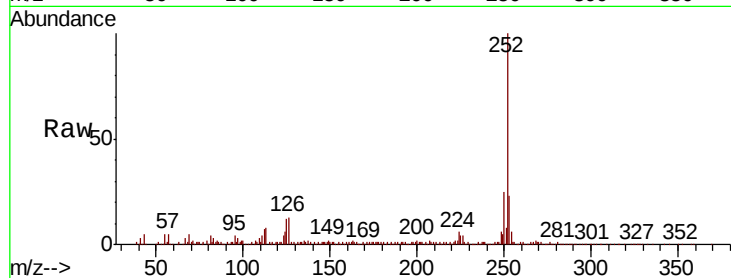




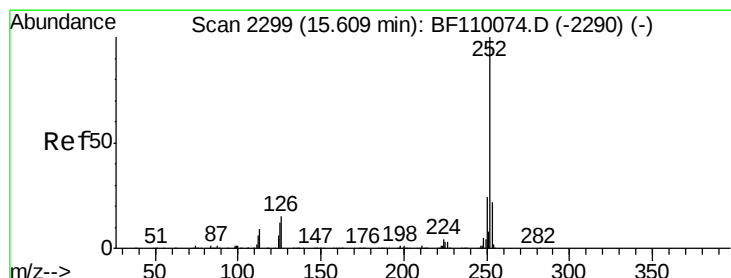
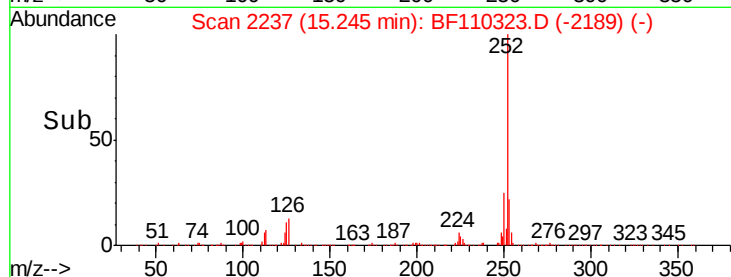
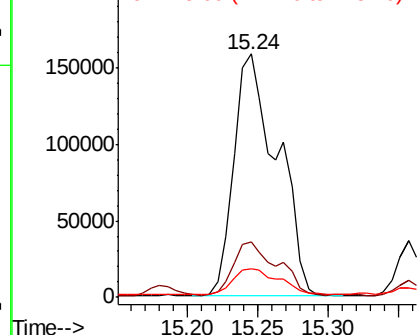
#89
Benzo(k)fluoranthene
Concen: 48.949 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.8	7.4	11.0

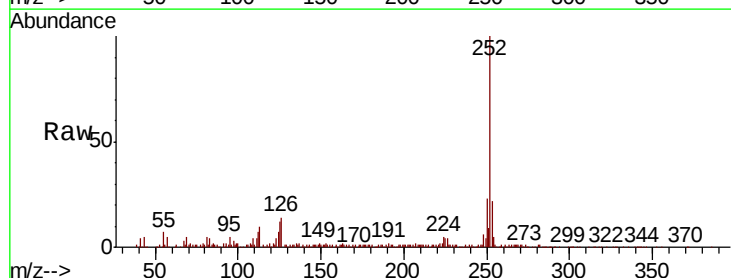


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

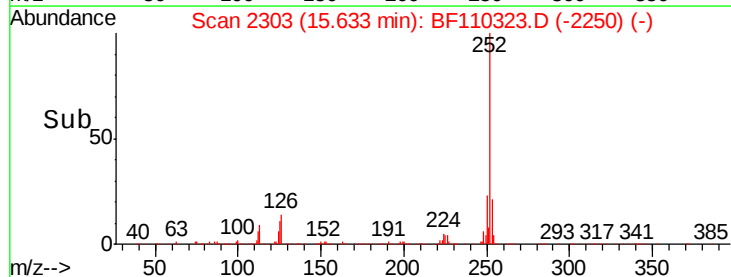
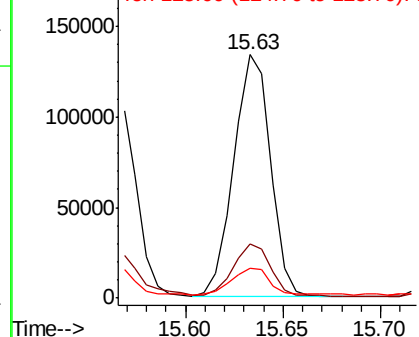


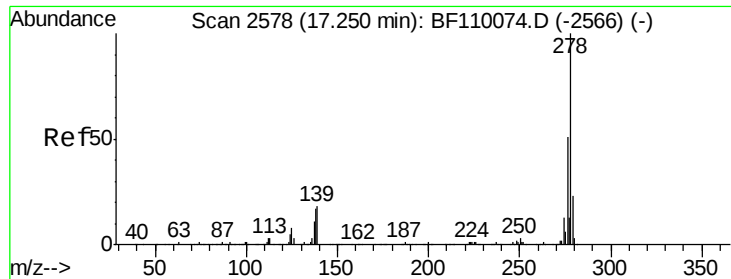
#90
Benzo(a)pyrene
Concen: 26.932 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.2	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



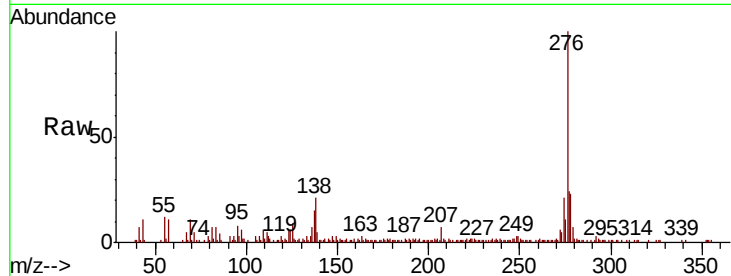


#91
Dibenzo(a,h)anthracene
Concen: 4.682 ng
RT: 17.29 min Scan# 2584
Delta R.T. 0.01 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-27DL

Tgt Ion: 278 Resp: 26353

Ion	Ratio	Lower	Upper
278	100		
139	22.7	12.7	19.1#
279	30.4	19.0	28.4#

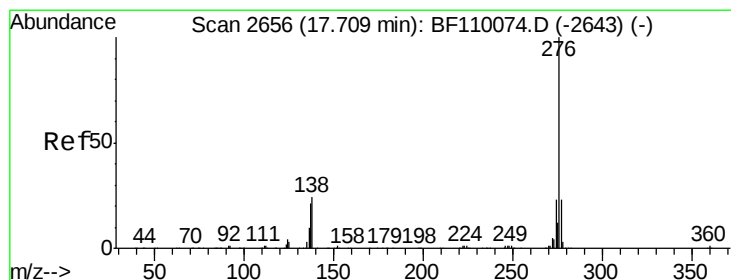
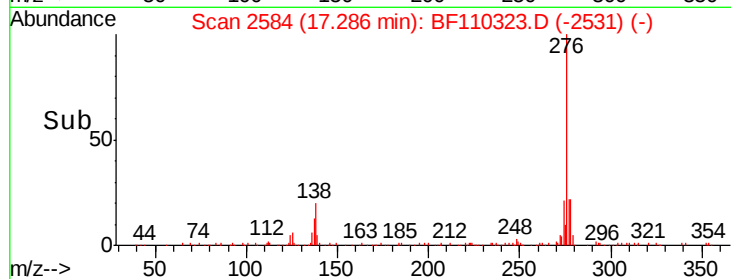
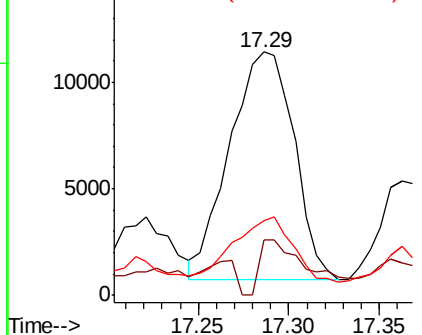


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

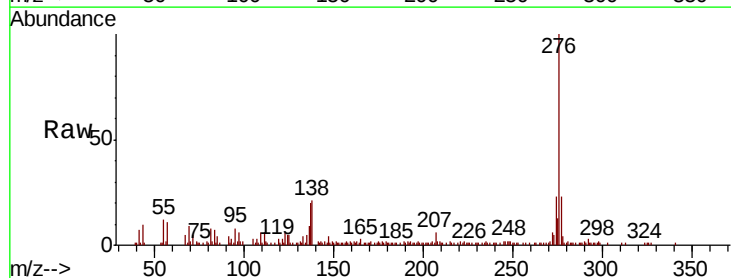
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 18.140 ng
RT: 17.76 min Scan# 2665
Delta R.T. 0.02 min
Lab File: BF110323.D
Acq: 31 Oct 2018 00:21

Tgt Ion: 276 Resp: 100608

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.9	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

