

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
 Data File : BF110321.D
 Acq On : 30 Oct 2018 23:27
 Operator : JU/SJ
 Sample : J5685-07RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

Quant Time: Oct 31 04:36:04 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	79552	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	298708	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	116208	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	182102	20.00	ng	0.00
76) Chrysene-d12	14.16	240	157508	20.00	ng	0.00
87) Perylene-d12	15.70	264	106426	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	450223	92.16	ng	0.00
7) Phenol-d6	6.59	99	555654	88.93	ng	0.00
23) Nitrobenzene-d5	7.53	82	329848	65.50	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	95893	83.30	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	612353	82.74	ng	0.00
79) Terphenyl-d14	13.09	244	467942	61.79	ng	0.00

Target Compounds

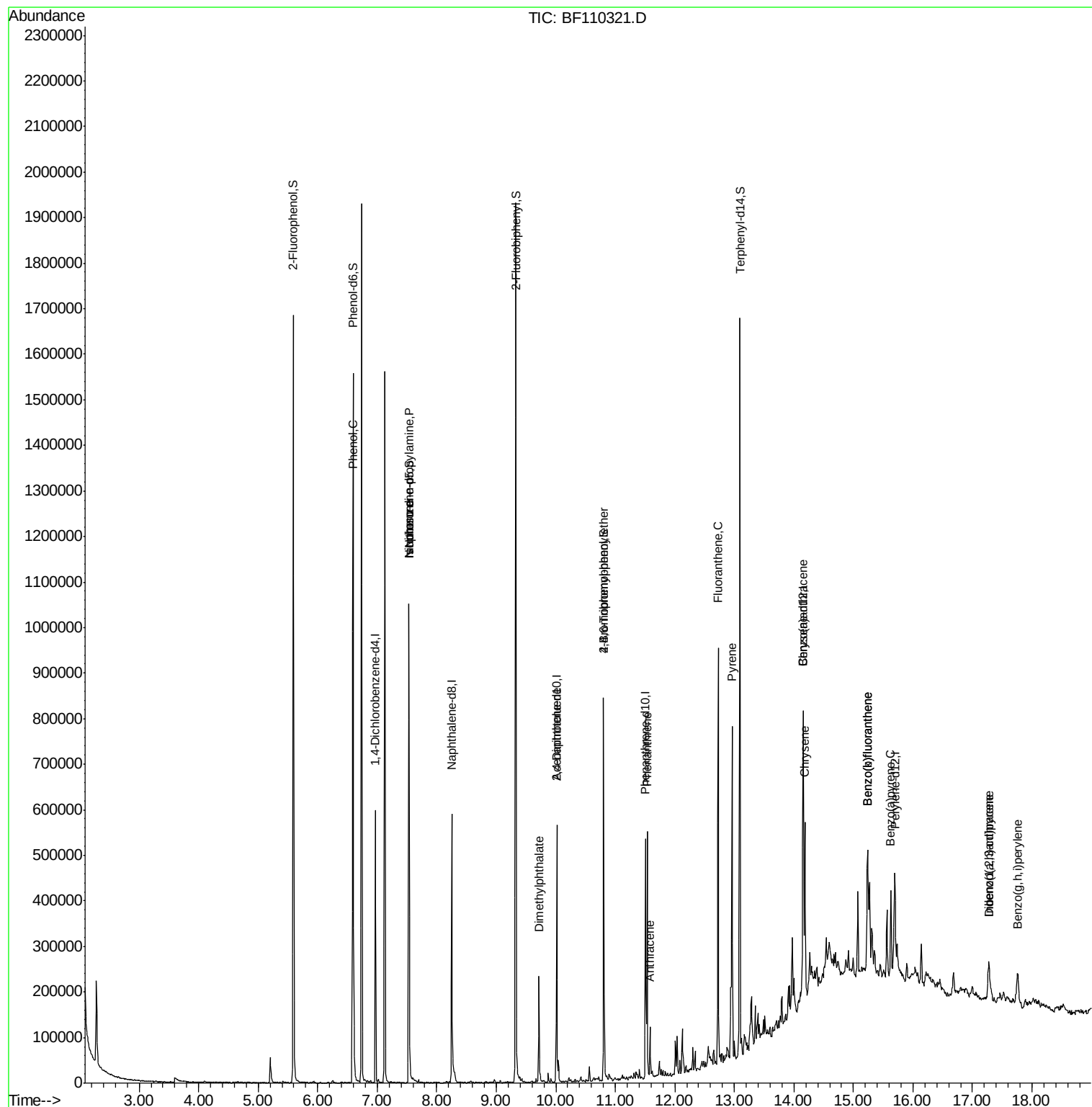
					Qvalue	
9) Benzaldehyde	6.59	77	1368	Below Cal	#	1
10) Phenol	6.60	94	38505	5.765 ng	#	69
19) n-Nitroso-di-n-propylamine	7.53	70	44411	11.079 ng	#	81
25) Isophorone	7.53	82	329843	38.423 ng	#	67
50) Dimethylphthalate	9.72	163	97989	11.423 ng		99
57) 2,4-Dinitrotoluene	10.02	165	14746	6.283 ng	#	17
67) 4-Bromophenyl-phenylether	10.80	248	5926	3.000 ng	#	1
71) Phenanthrene	11.53	178	191050	20.051 ng		100
72) Anthracene	11.59	178	49724	5.206 ng		96
75) Fluoranthene	12.73	202	350795	36.276 ng		99
78) Pyrene	12.96	202	313393	27.754 ng		97
81) Benzo(a)anthracene	14.15	228	153515	16.435 ng		98
83) Chrysene	14.19	228	149780	16.883 ng		98
86) Indeno(1,2,3-cd)pyrene	17.27	276	55580	7.552 ng		98
88) Benzo(b)fluoranthene	15.24	252	187683	30.539 ng		97
89) Benzo(k)fluoranthene	15.24	252	187486	31.031 ng	#	96
90) Benzo(a)pyrene	15.63	252	91516	16.183 ng	#	96
91) Dibenzo(a,h)anthracene	17.28	278	14502	2.972 ng	#	74
92) Benzo(g,h,i)perylene	17.76	276	54791	11.395 ng		99

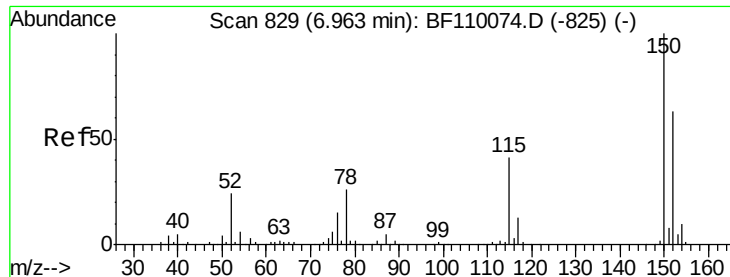
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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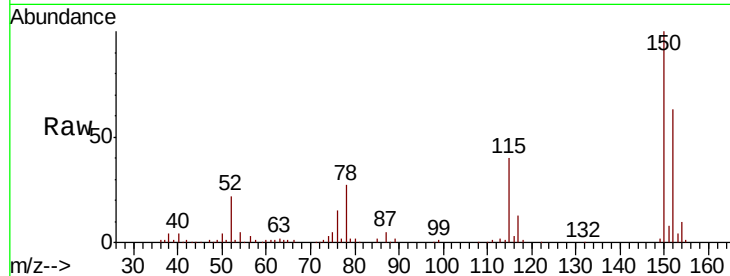




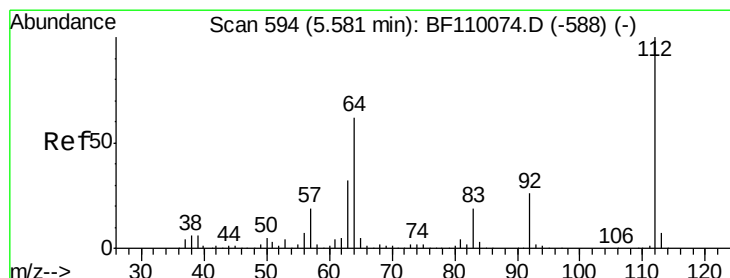
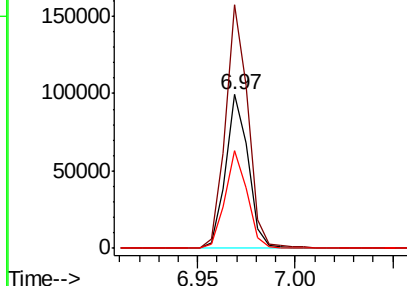
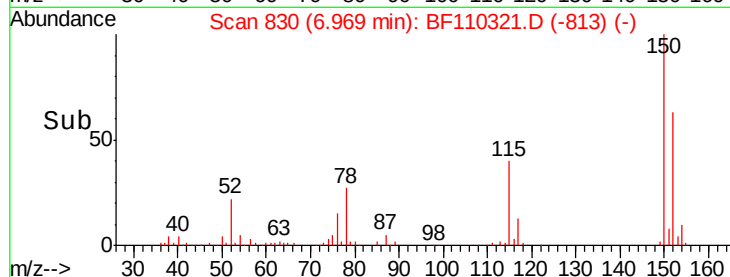
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

Tgt Ion:152 Resp: 79552
 Ion Ratio Lower Upper
 152 100
 150 158.7 122.7 184.1
 115 64.1 49.1 73.7

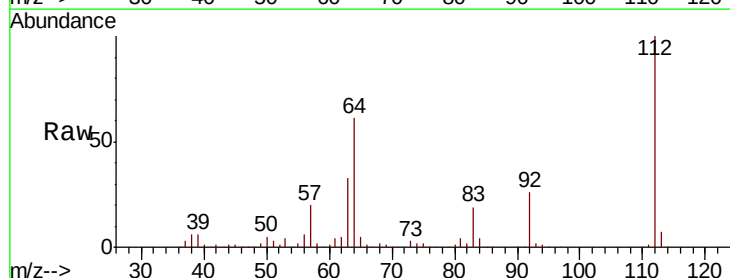


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

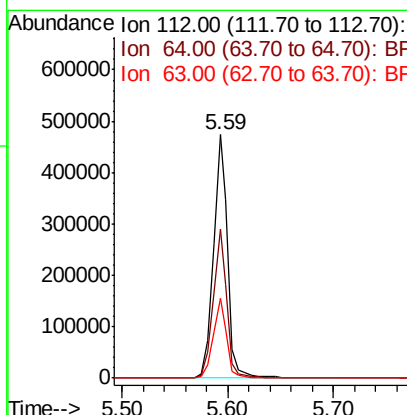
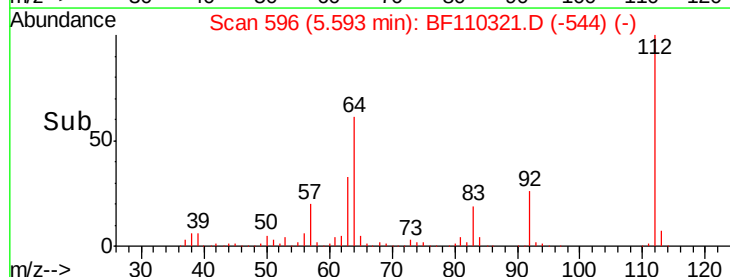


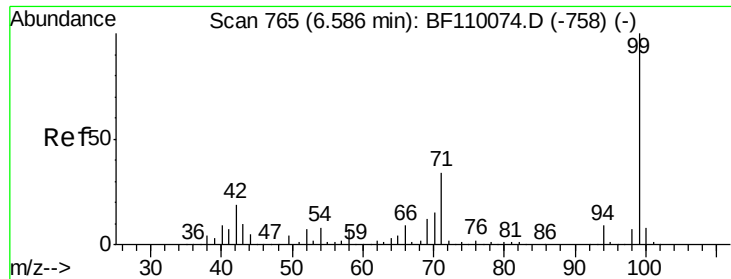
#5
 2-Fluorophenol
 Concen: 92.162 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Tgt Ion:112 Resp: 450223
 Ion Ratio Lower Upper
 112 100
 64 61.4 44.1 66.1
 63 33.0 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: 88.927 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-31RE

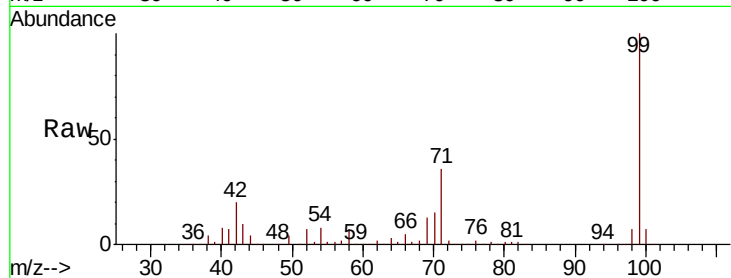
Tgt Ion: 99 Resp: 555654

Ion Ratio Lower Upper

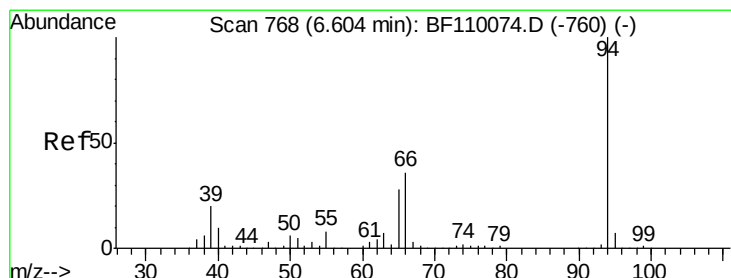
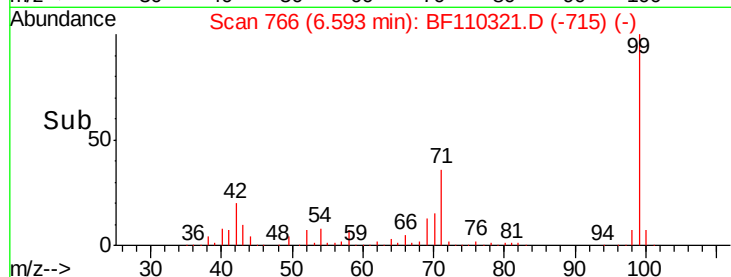
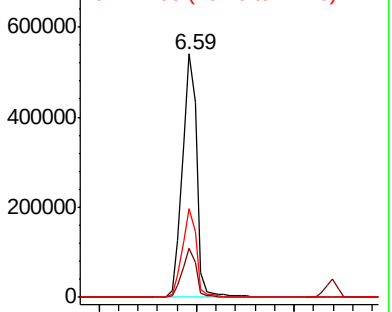
99 100

42 20.3 15.8 23.6

71 36.3 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: 5.765 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

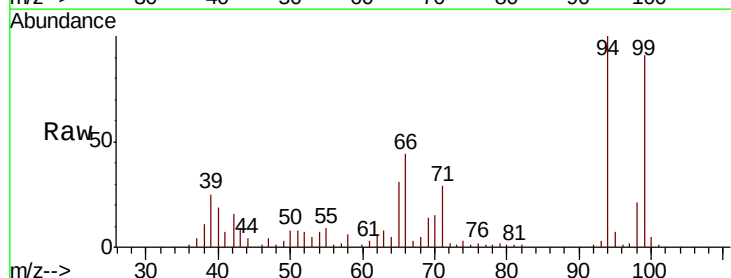
Tgt Ion: 94 Resp: 38505

Ion Ratio Lower Upper

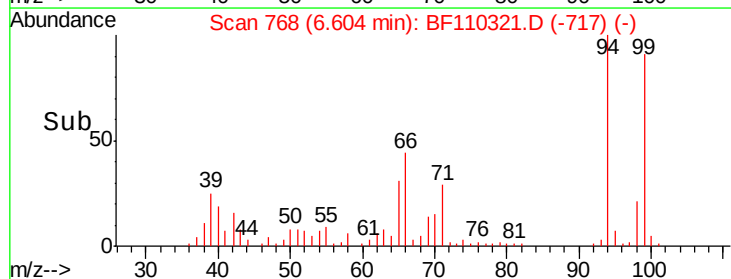
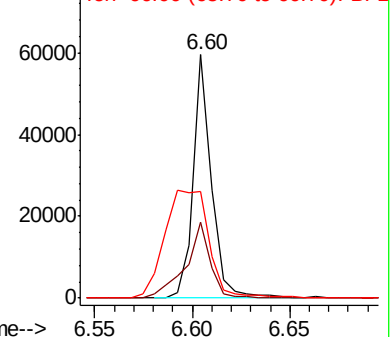
94 100

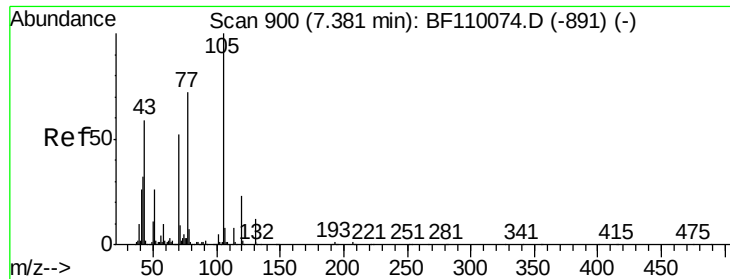
65 31.1 25.3 65.3

66 43.7 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

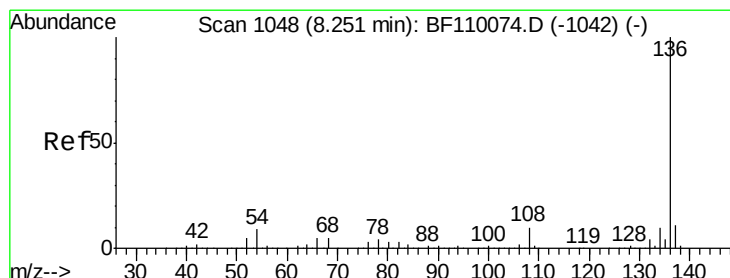
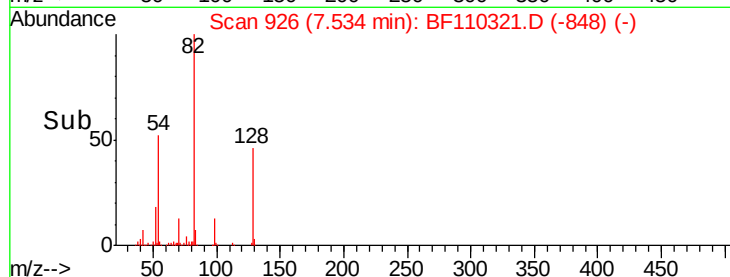
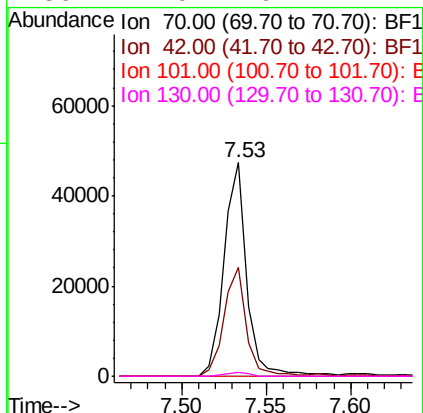
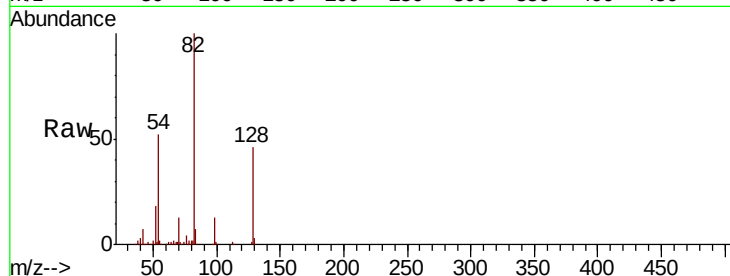




#19
n-Nitroso-di-n-propylamine
Concen: 11.079 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.16 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

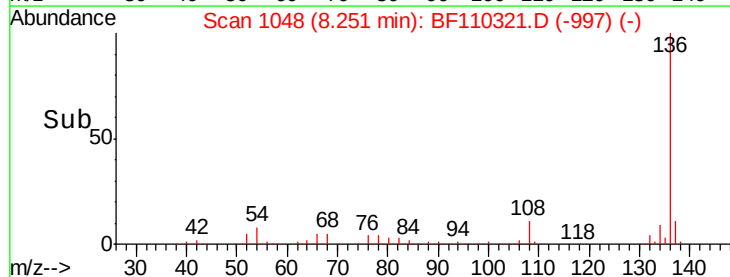
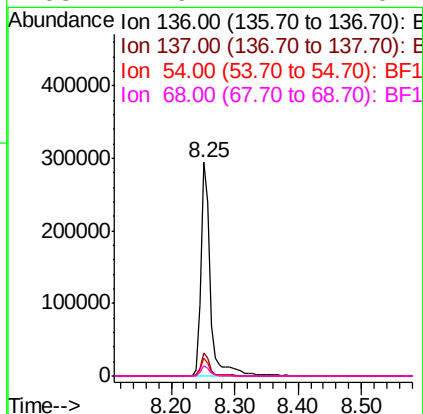
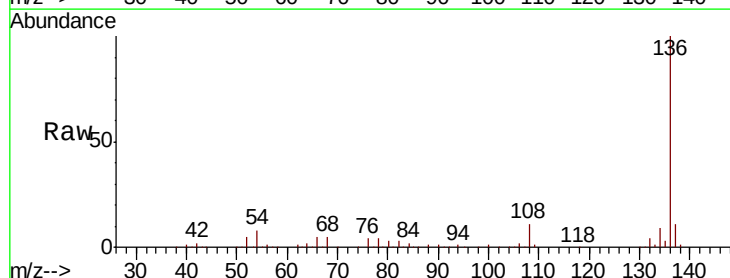
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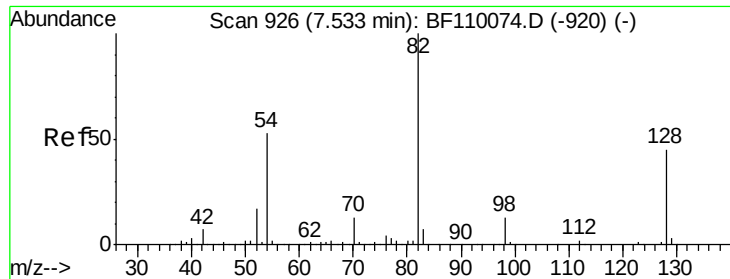
Tgt Ion: 70 Resp: 44411
Ion Ratio Lower Upper
70 100
42 51.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion: 136 Resp: 298708
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.4 5.4 8.2#
68 4.9 4.2 6.2

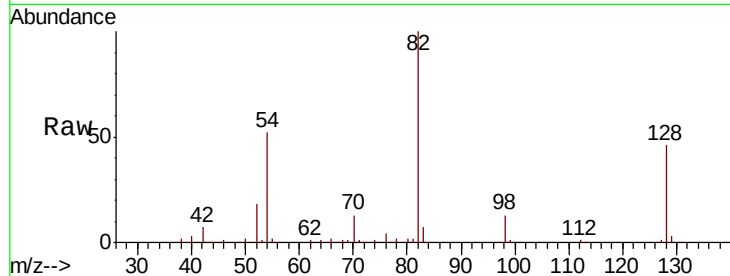




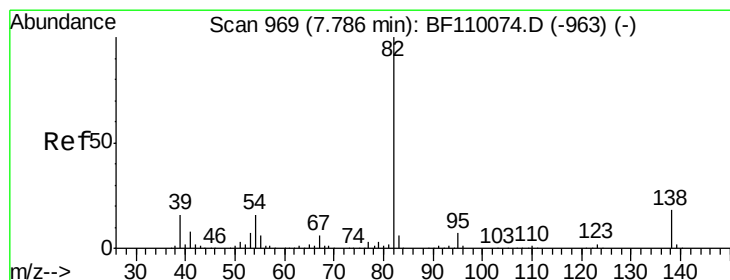
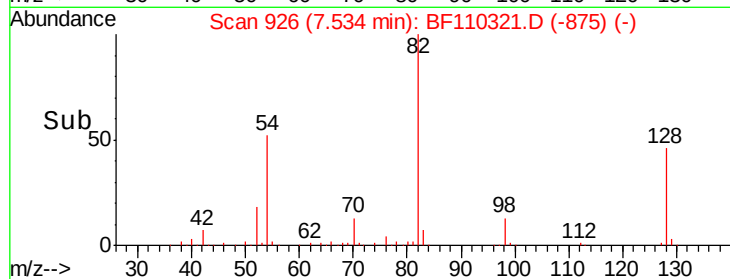
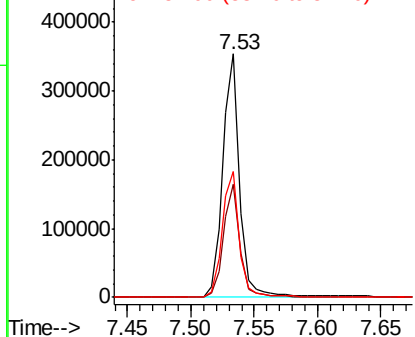
#23
 Nitrobenzene-d5
 Concen: 65.497 ng
 RT: 7.53 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.2	51.2
54	51.6	38.6	58.0

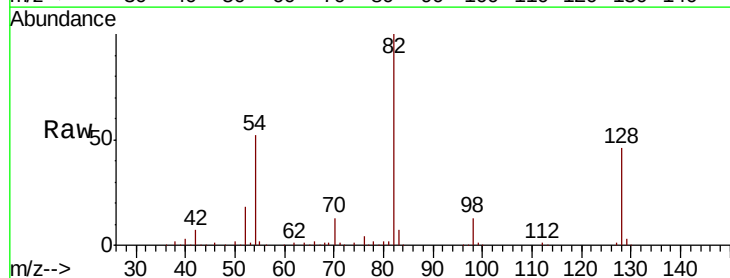


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

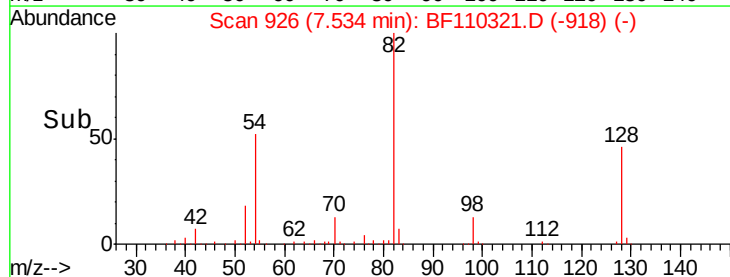
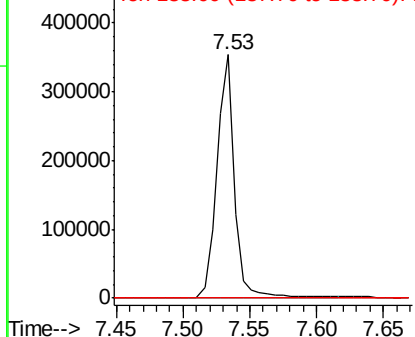


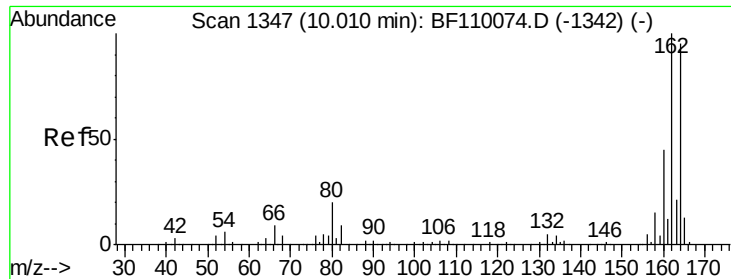
#25
 Isophorone
 Concen: 38.423 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

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



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-31RE

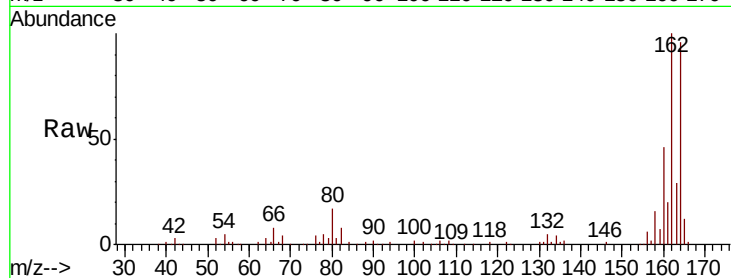
Tgt Ion:164 Resp: 116208

Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.6

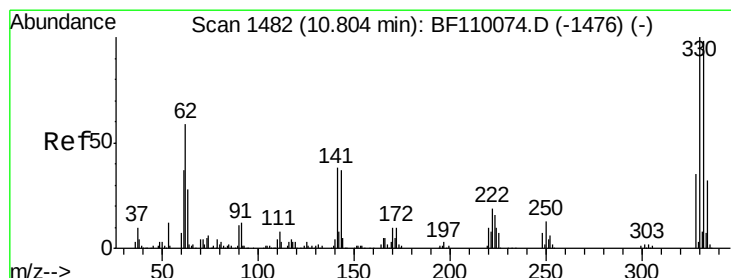
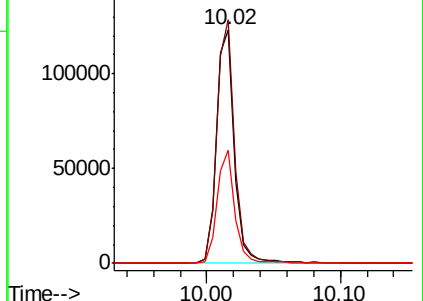
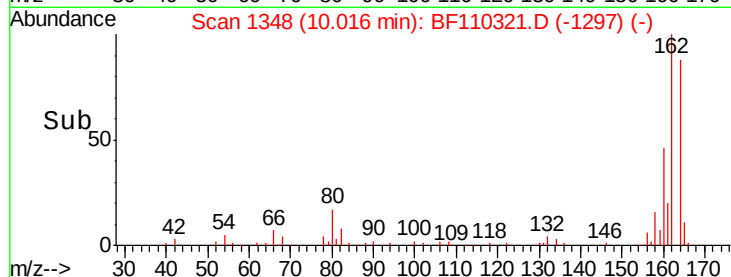
160 48.4 37.0 55.6



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: 83.304 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

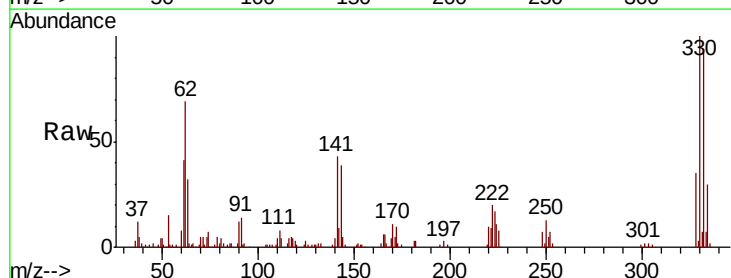
Tgt Ion:330 Resp: 95893

Ion Ratio Lower Upper

330 100

332 94.8 77.1 115.7

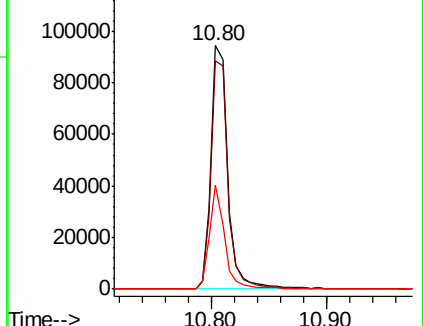
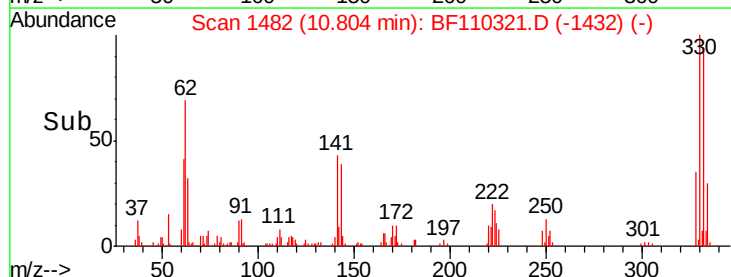
141 38.1 27.0 40.4

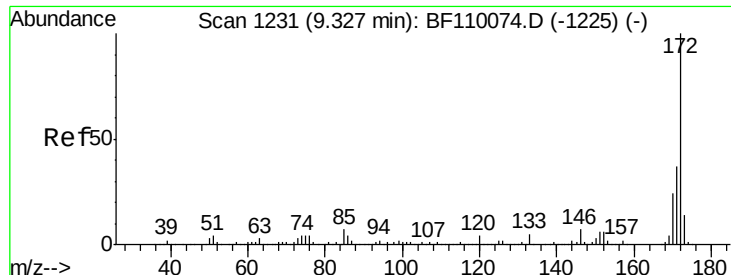


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

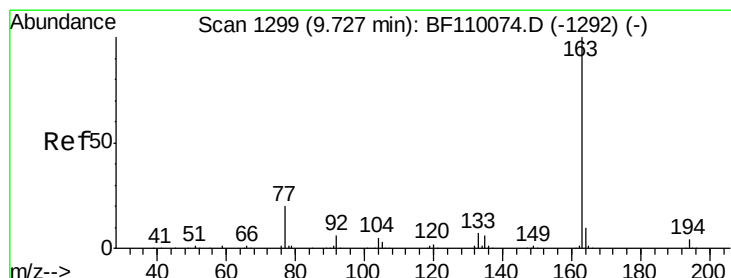
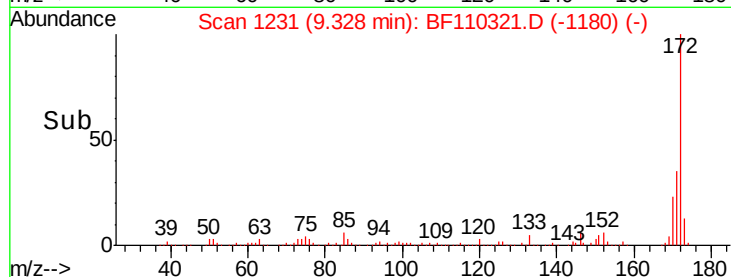
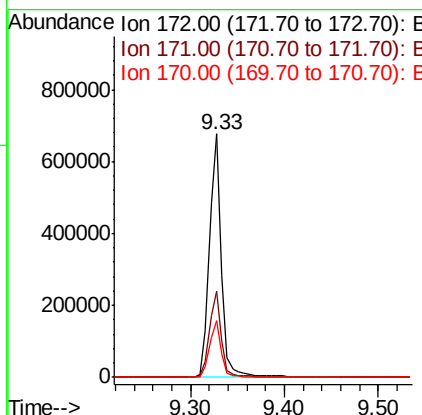
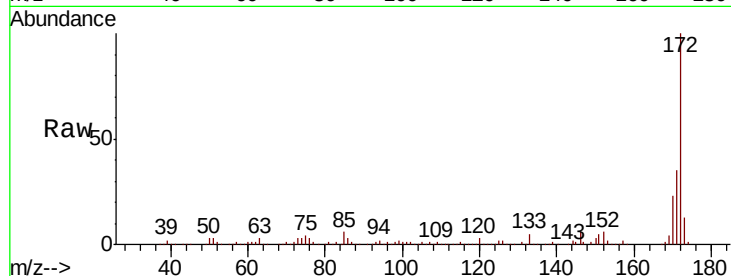




#45
 2-Fluorobiphenyl
 Concen: 82.744 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

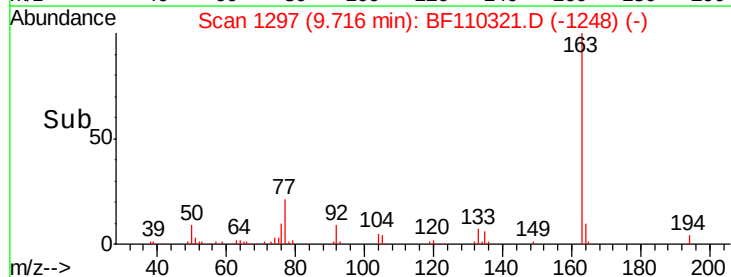
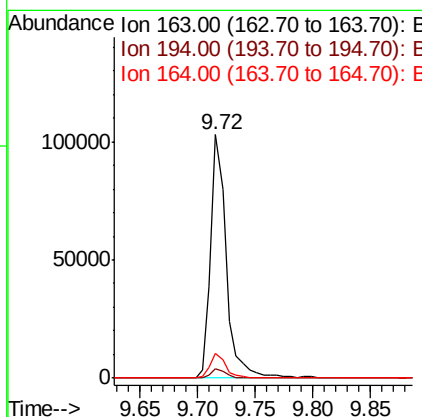
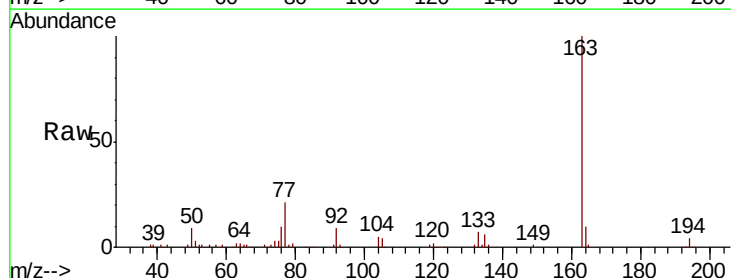
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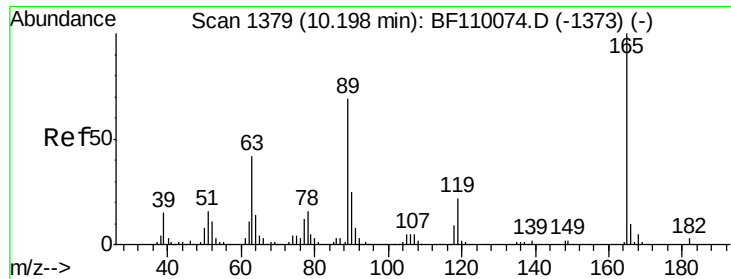
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.2	19.7	29.5



#50
 Dimethylphthalate
 Concen: 11.423 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.3	8.1	12.1

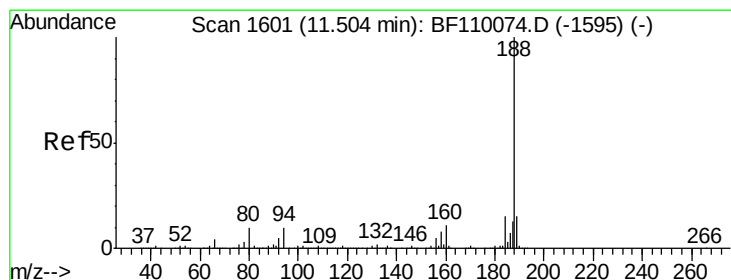
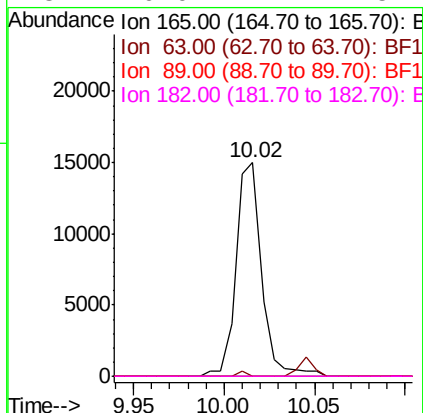
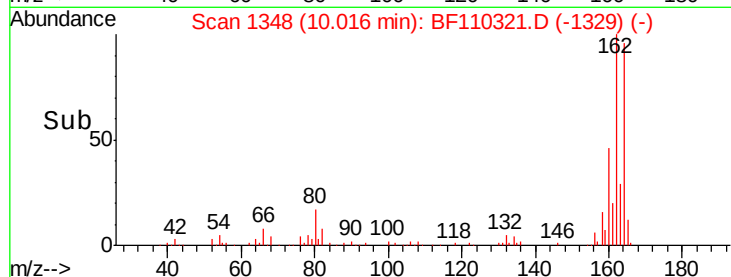
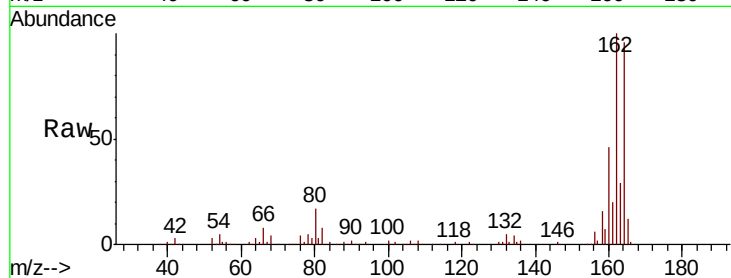




#57
2,4-Dinitrotoluene
Concen: 6.283 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

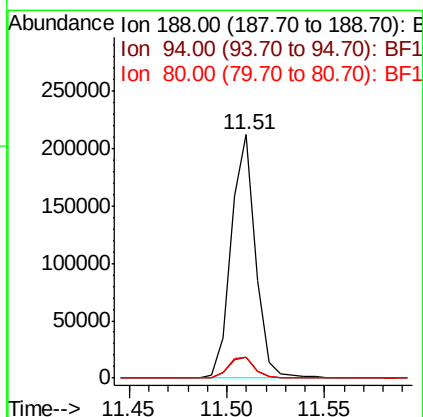
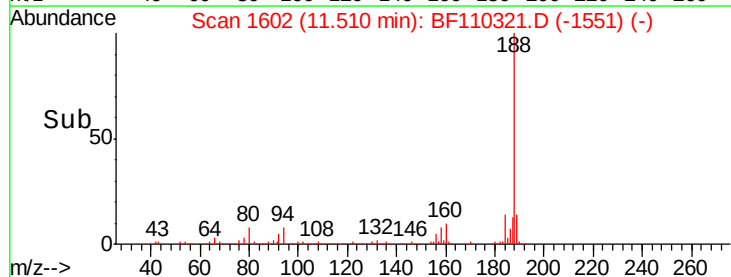
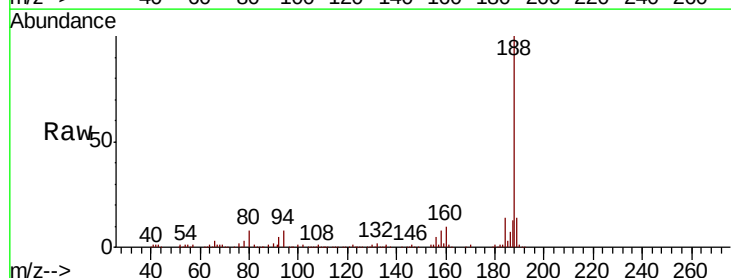
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

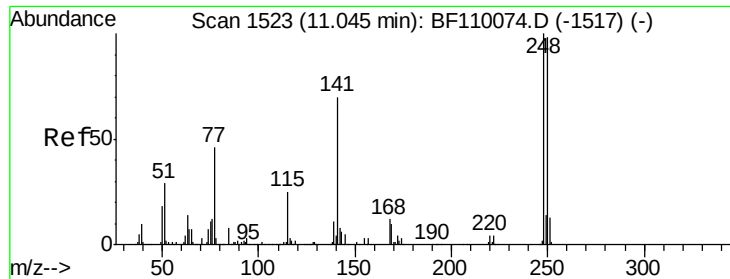
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.4	7.9	11.9

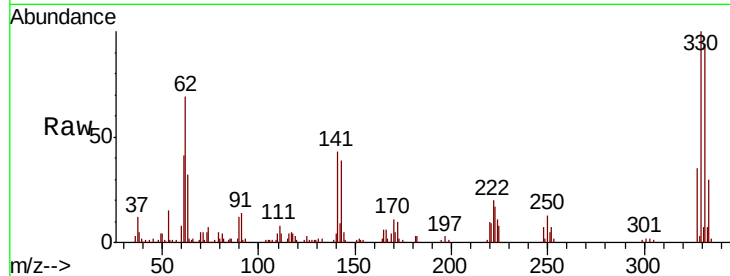




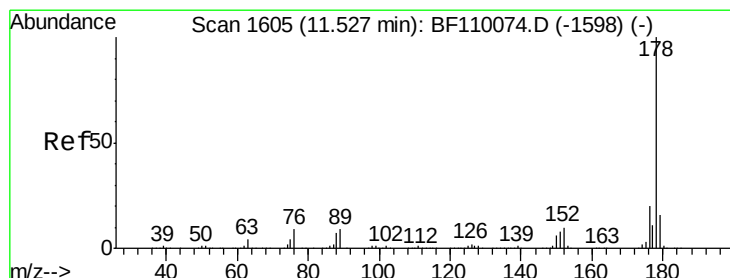
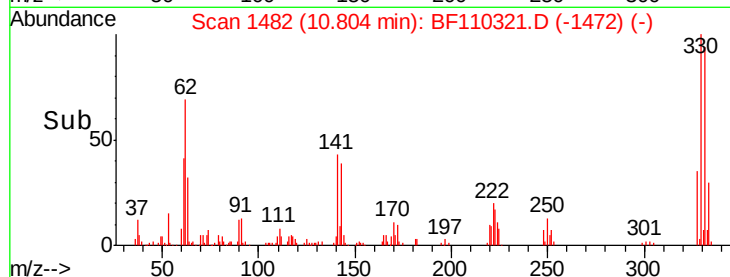
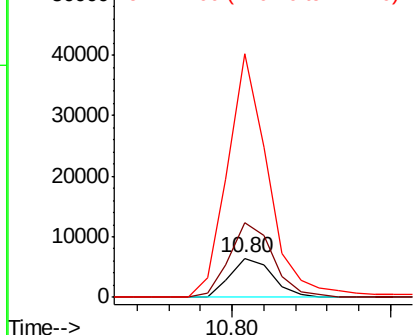
#67
 4-Bromophenyl-phenylether
 Concen: 3.000 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

Tgt Ion: 248 Resp: 5926
 Ion Ratio Lower Upper
 248 100
 250 190.1 79.4 119.2#
 141 623.3 55.9 83.9#

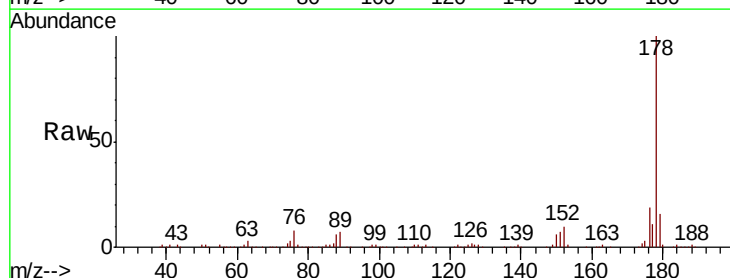


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

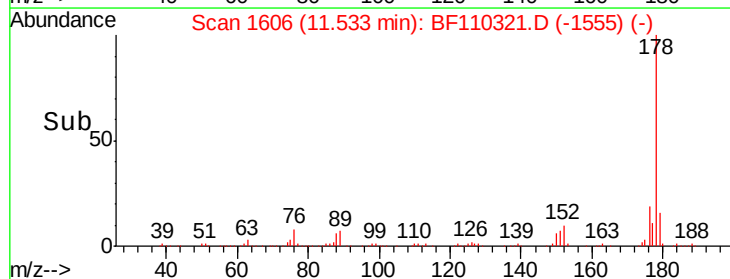
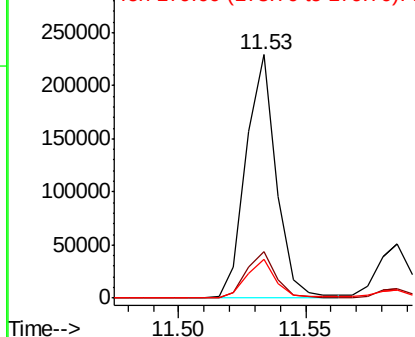


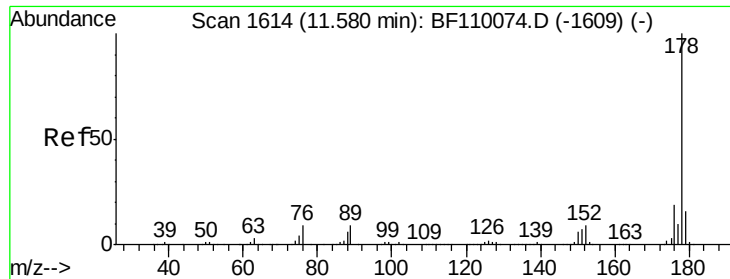
#71
 Phenanthrene
 Concen: 20.051 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Tgt Ion: 178 Resp: 191050
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.5 23.3
 179 15.7 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

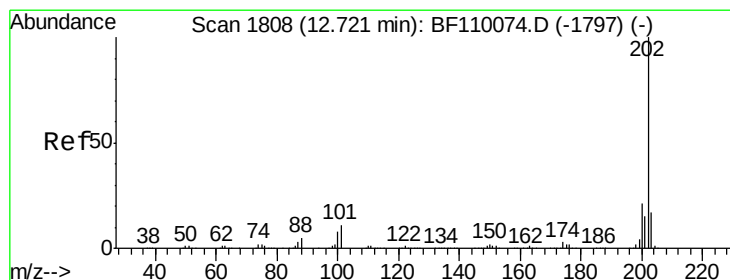
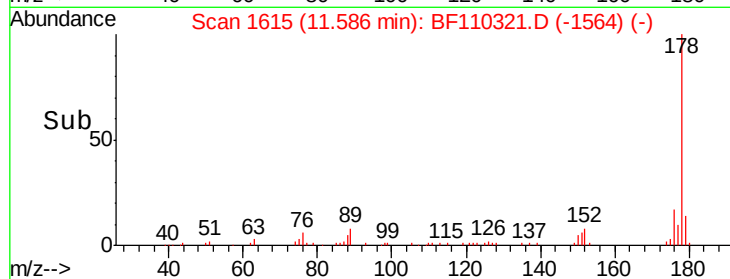
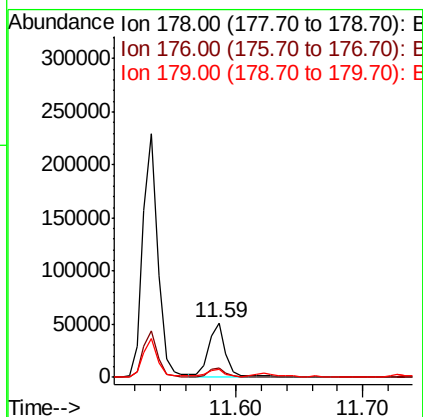
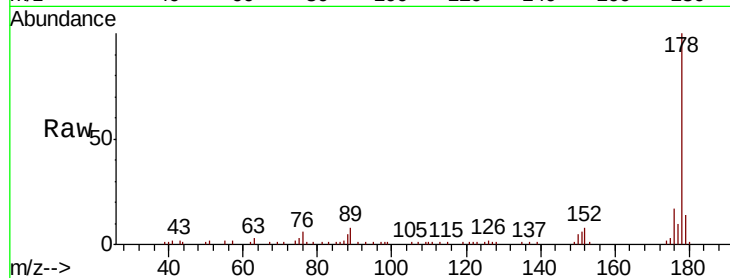




#72
 Anthracene
 Concen: 5.206 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

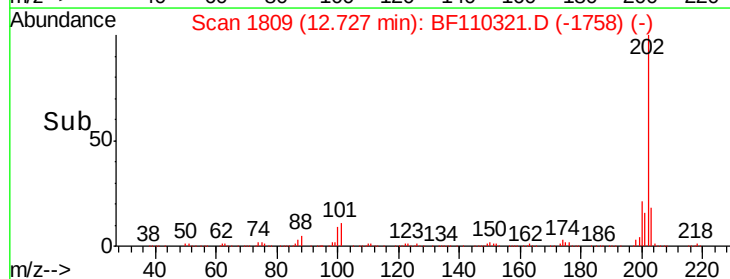
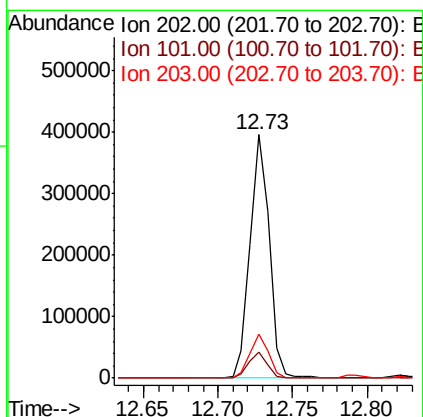
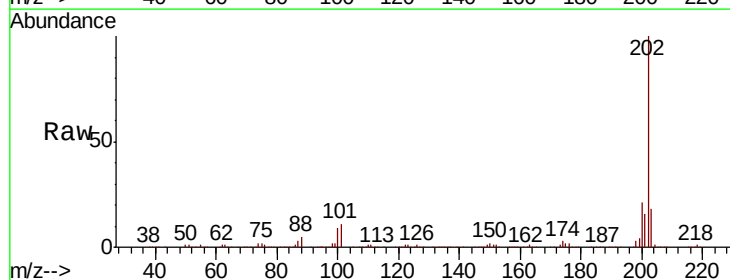
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

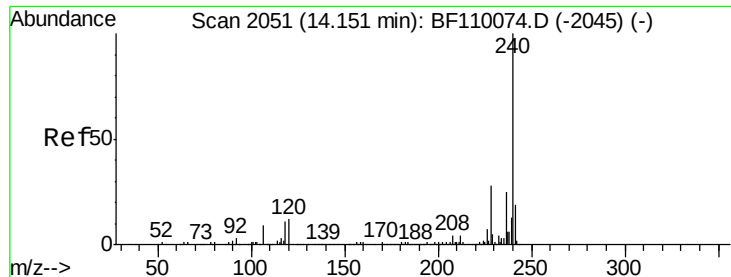
Tgt Ion:178 Resp: 49724
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.2
 179 14.5 12.6 18.8



#75
 Fluoranthene
 Concen: 36.276 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Tgt Ion:202 Resp: 350795
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.4
 203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-31RE

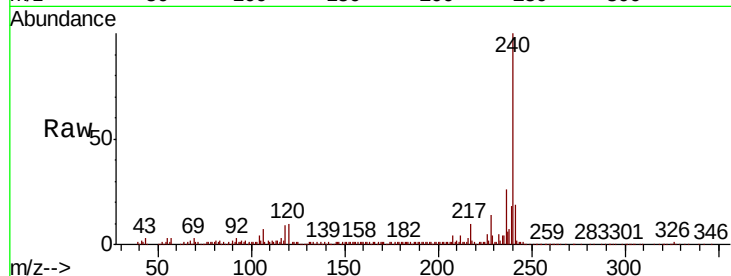
Tgt Ion:240 Resp: 157508

Ion Ratio Lower Upper

240 100

120 9.7 8.3 12.5

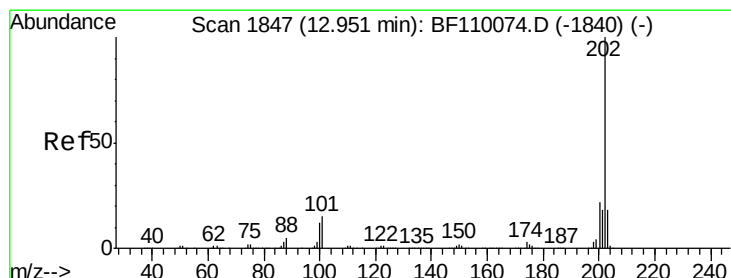
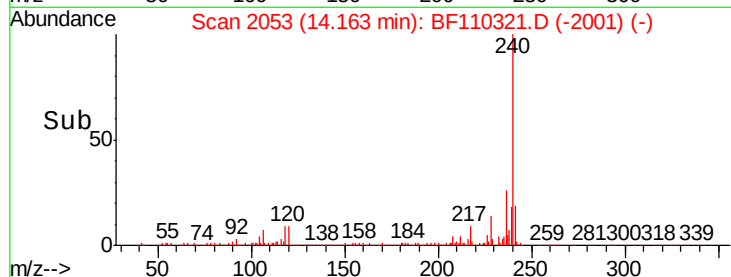
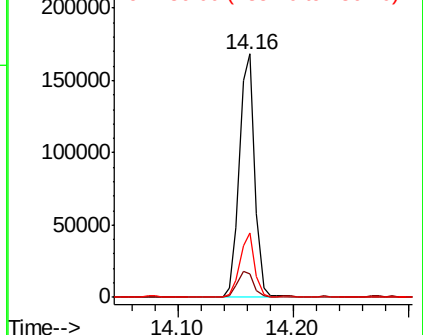
236 26.4 21.2 31.8



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

Pyrene

Concen: 27.754 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

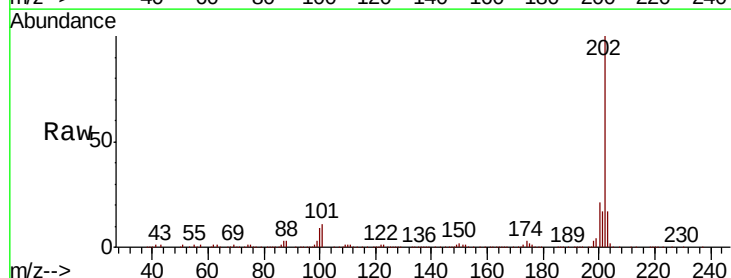
Tgt Ion:202 Resp: 313393

Ion Ratio Lower Upper

202 100

200 20.6 17.8 26.6

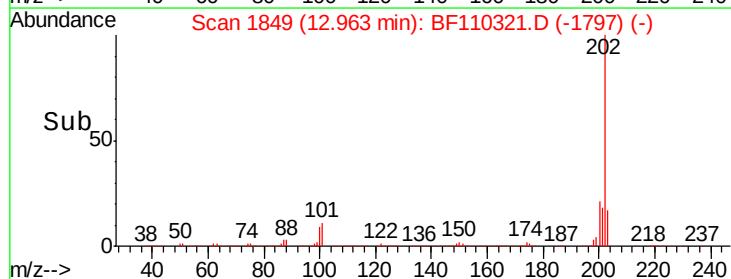
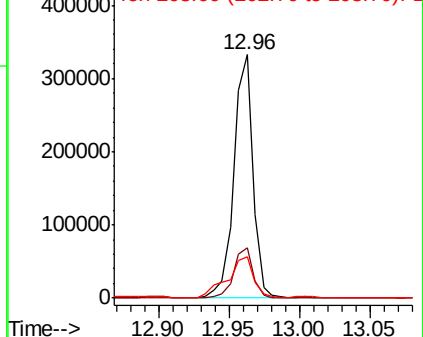
203 17.1 14.2 21.4

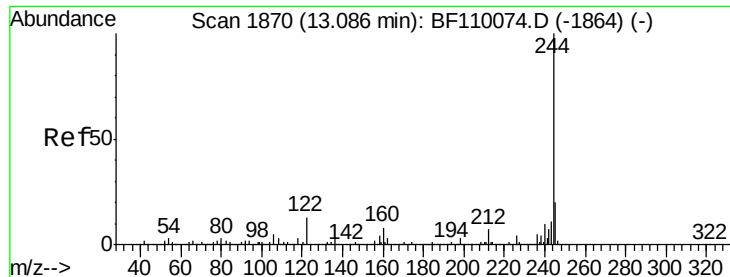


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.786 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-31RE

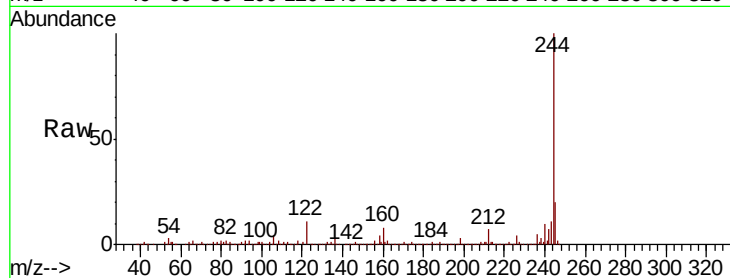
Tgt Ion:244 Resp: 467942

Ion Ratio Lower Upper

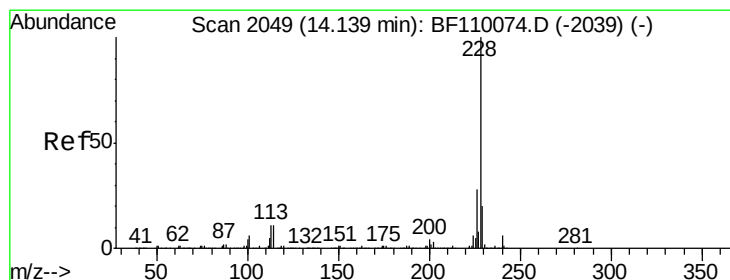
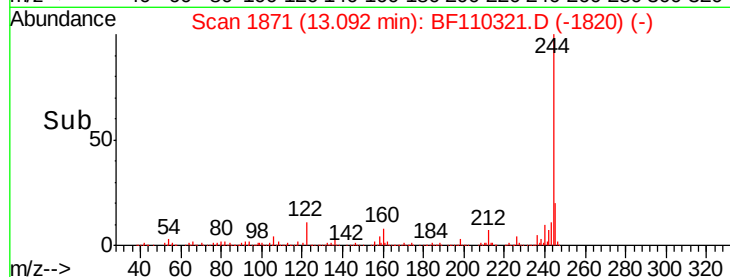
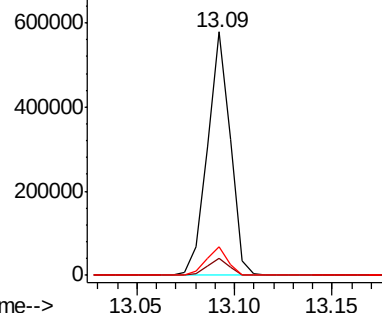
244 100

212 6.9 5.8 8.8

122 11.5 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: 16.435 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

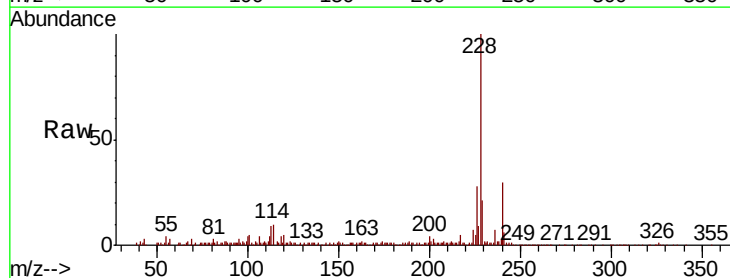
Tgt Ion:228 Resp: 153515

Ion Ratio Lower Upper

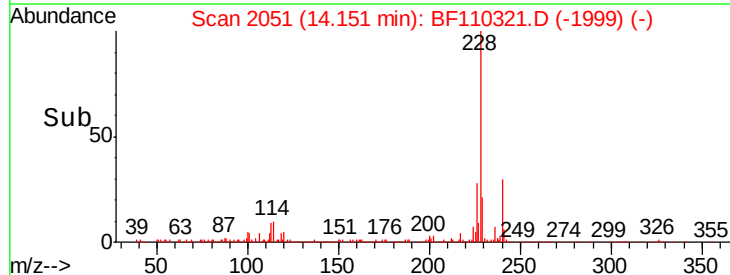
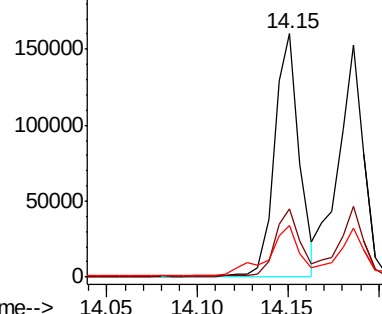
228 100

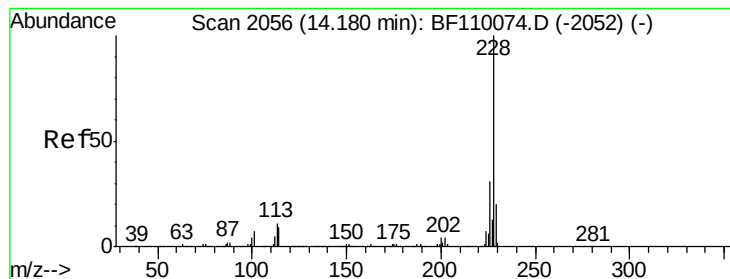
226 28.0 22.1 33.1

229 21.2 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: 16.883 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-31RE

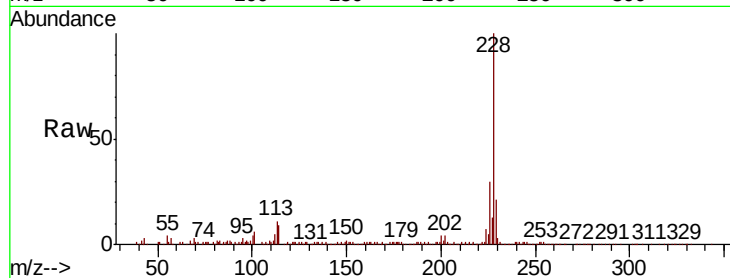
Tgt Ion:228 Resp: 149780

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

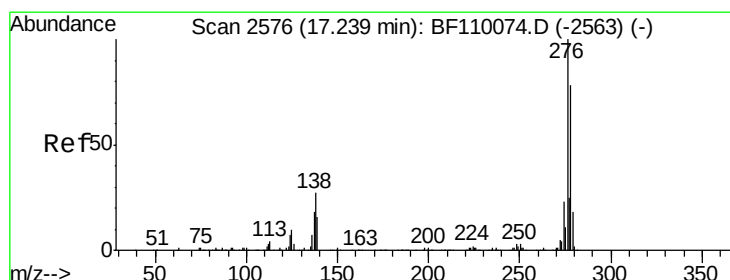
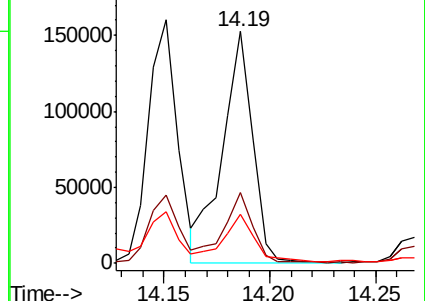
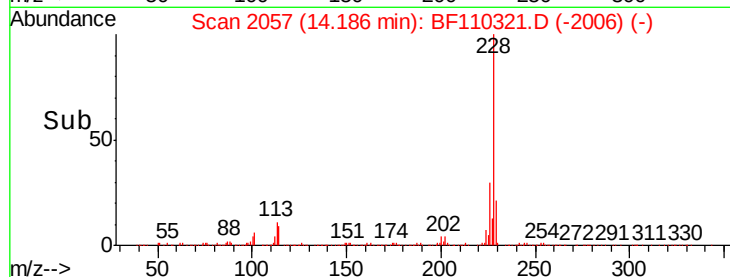
229 21.2 15.9 23.9



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: 7.552 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

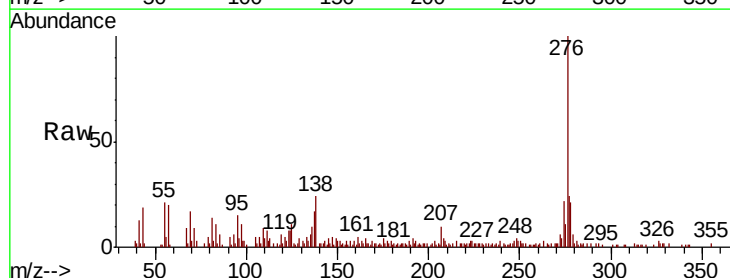
Tgt Ion:276 Resp: 55580

Ion Ratio Lower Upper

276 100

138 21.8 18.5 27.7

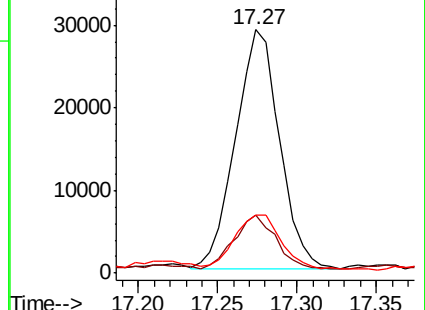
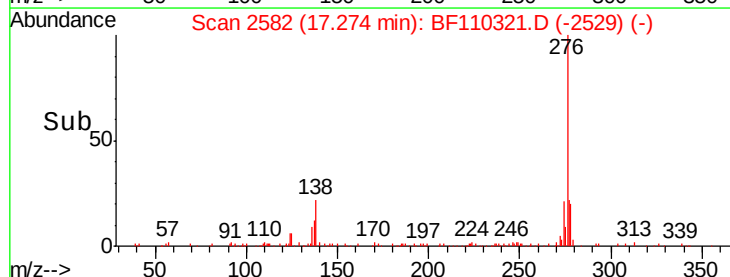
277 24.6 20.0 30.0

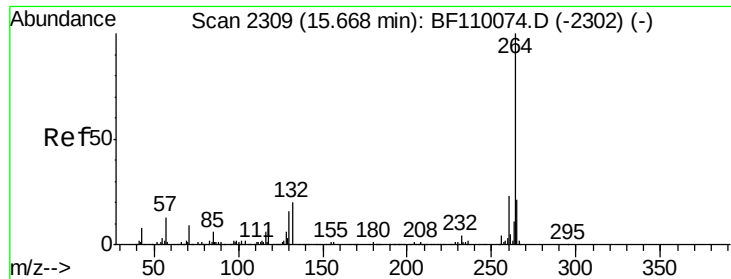


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

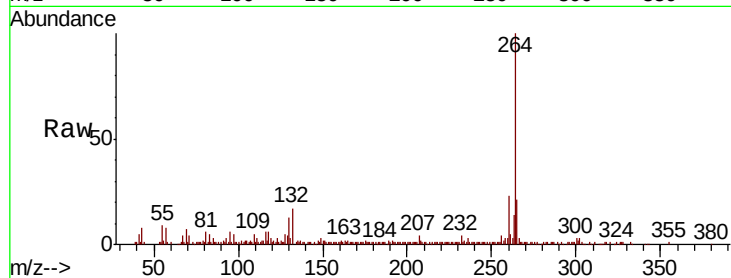




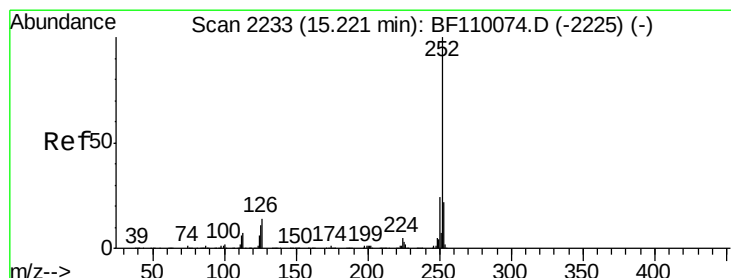
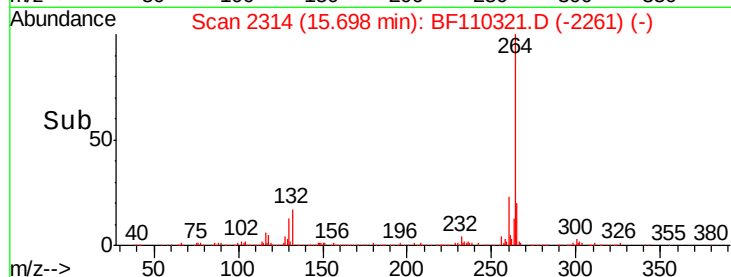
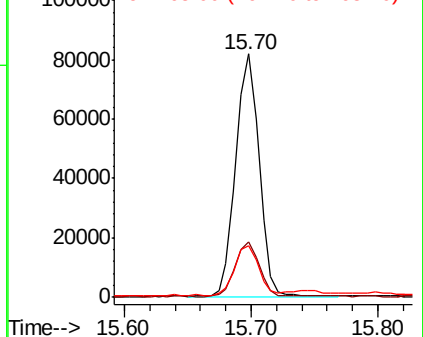
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tgt Ion:264 Resp: 106426
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.2 16.7 25.1

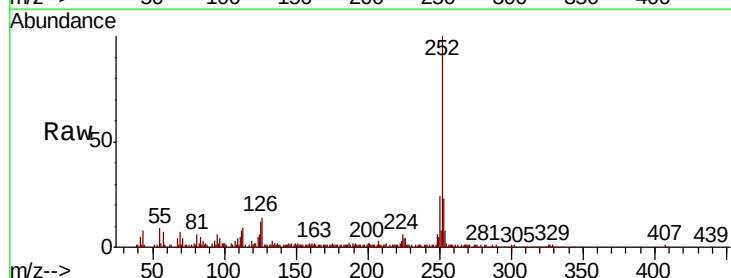


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

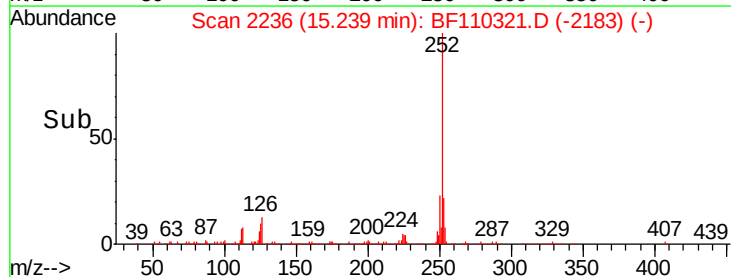
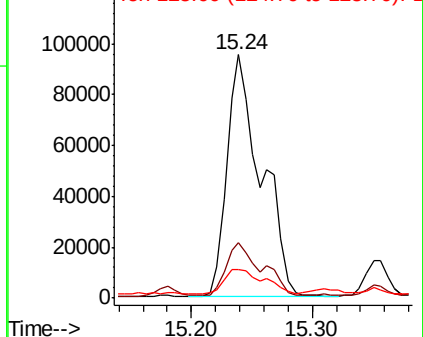


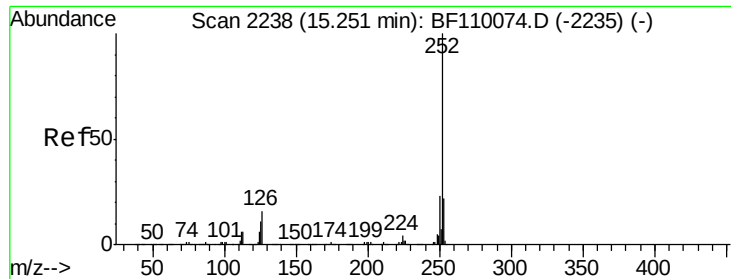
#88
Benzo(b)fluoranthene
Concen: 30.539 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion:252 Resp: 187683
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 11.9 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

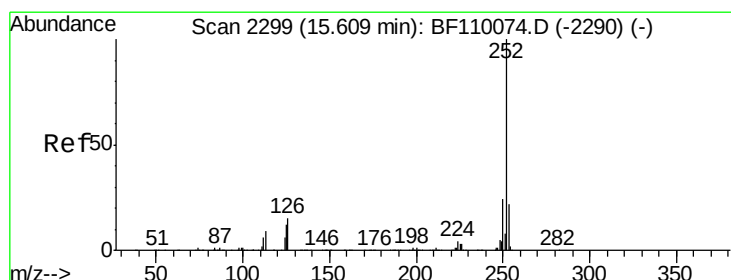
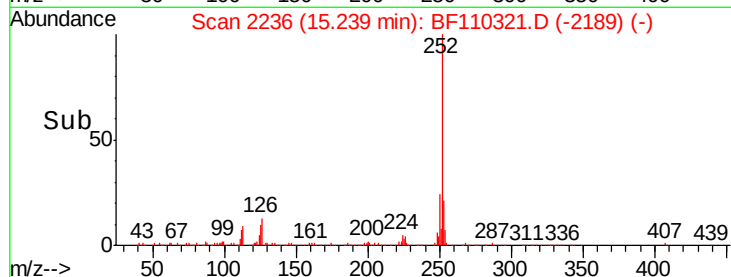
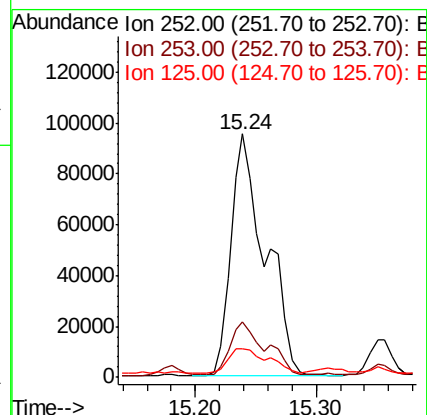
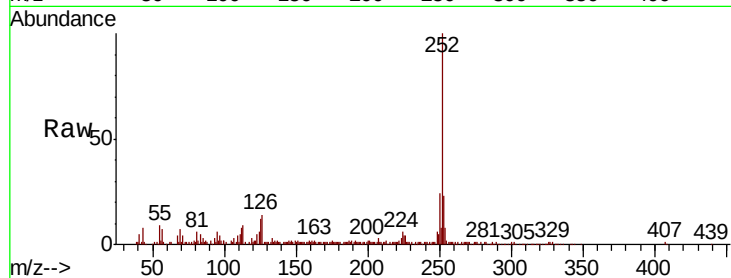




#89
Benzo(k)fluoranthene
Concen: 31.031 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

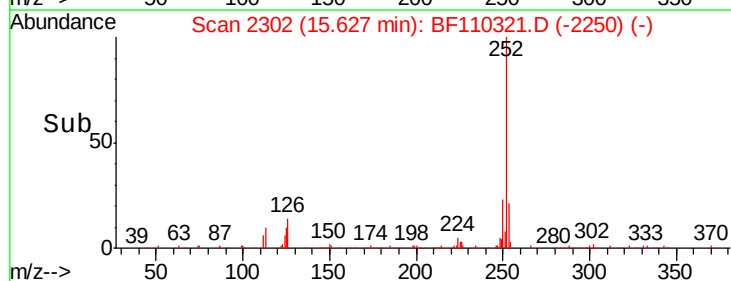
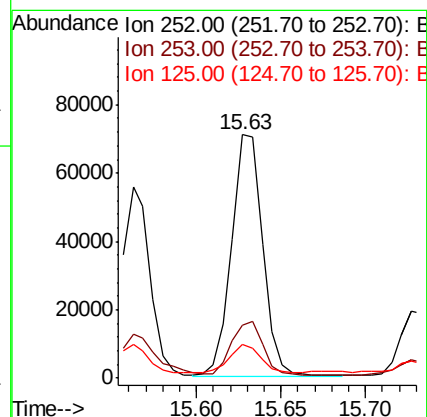
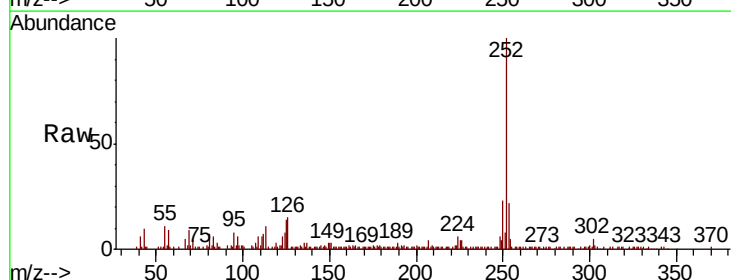
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

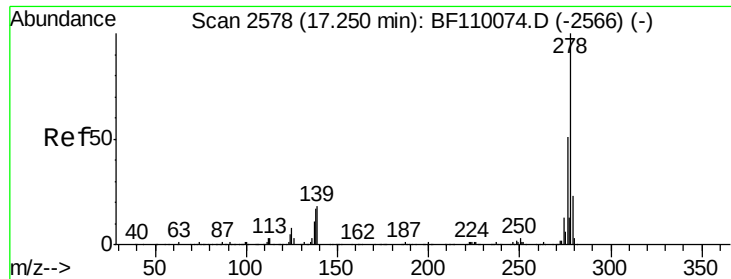
Tgt Ion:252 Resp: 187486
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 11.9 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 16.183 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion:252 Resp: 91516
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.4
125 13.9 9.0 13.6#



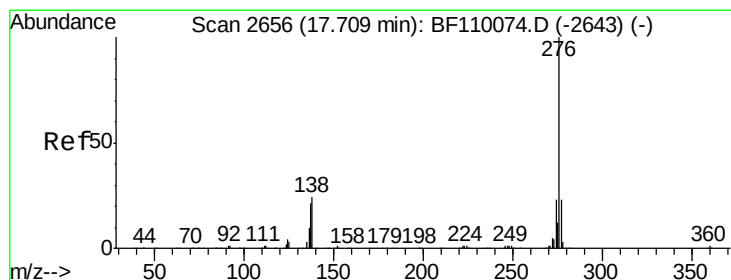
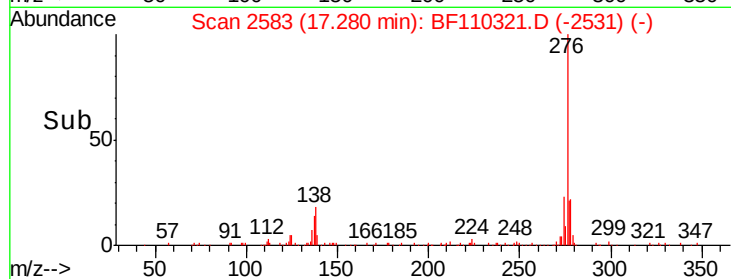
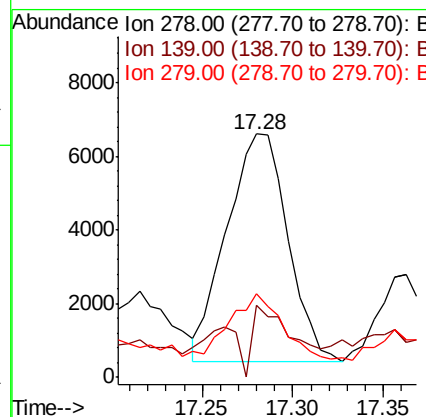
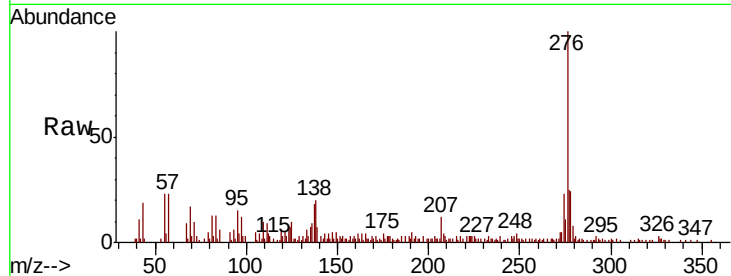


#91
Dibenzo(a,h)anthracene
Concen: 2.972 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tgt Ion: 278 Resp: 14502

Ion	Ratio	Lower	Upper
278	100		
139	29.8	12.7	19.1#
279	34.2	19.0	28.4#



#92
Benzo(g,h,i)perylene
Concen: 11.395 ng
RT: 17.76 min Scan# 2664
Delta R.T. 0.02 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion: 276 Resp: 54791

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	20.3	16.0	24.0

