

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110972.D
 Acq On : 26 Nov 2018 19:10
 Operator : JU/SJ
 Sample : J5996-25RE 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC1-06-A

Quant Time: Nov 27 02:57:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	71577	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	271064	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	104304	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	168169	20.00	ng	0.00
76) Chrysene-d12	14.13	240	110666	20.00	ng	0.00
87) Perylene-d12	15.67	264	82128	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	150236	34.81	ng	0.00
7) Phenol-d6	6.56	99	285217	50.71	ng	0.00
23) Nitrobenzene-d5	7.50	82	189343	39.98	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	10198	9.84	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	324333	45.05	ng	0.00
79) Terphenyl-d14	13.06	244	256925	45.19	ng	0.00

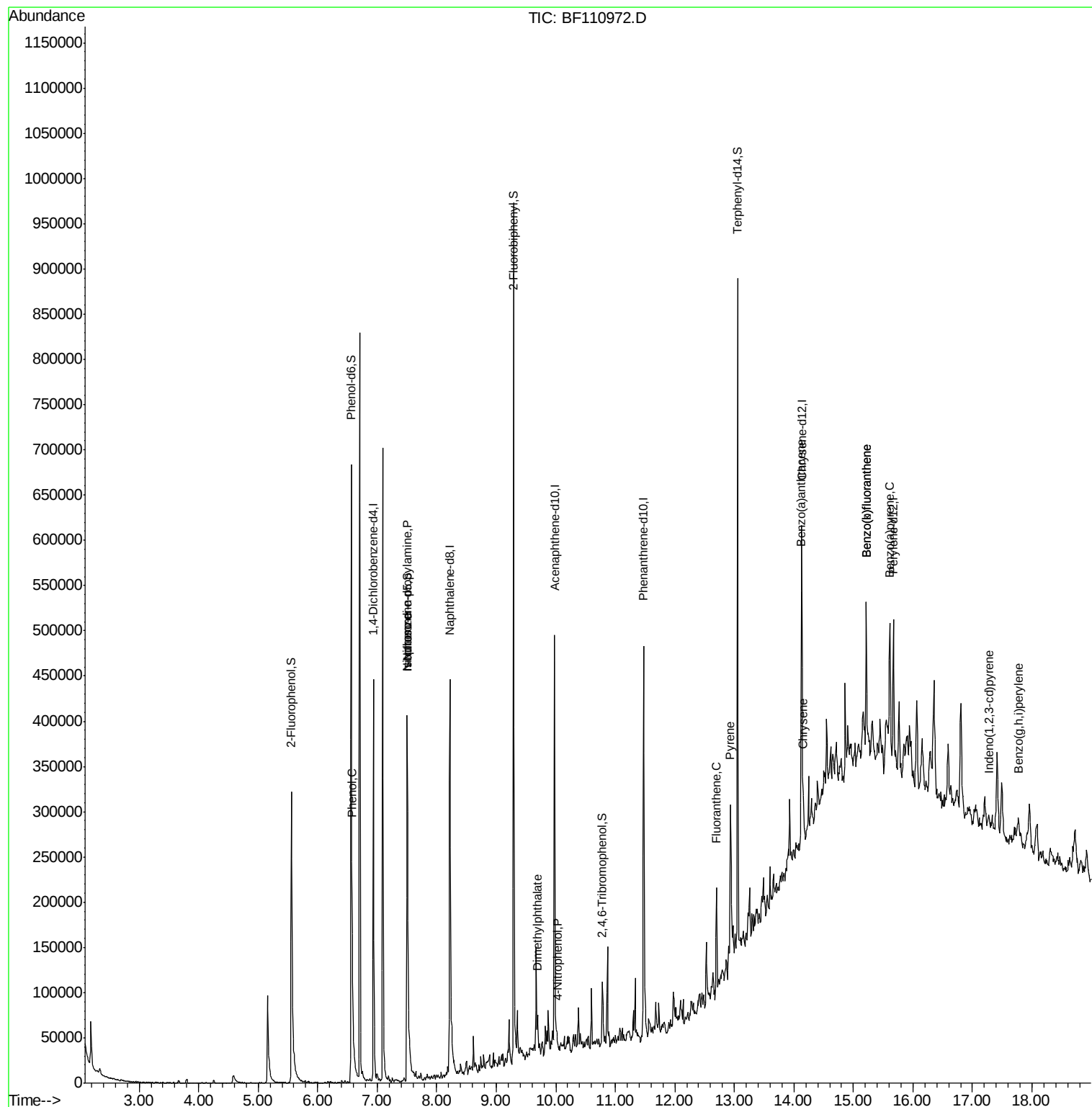
Target Compounds				Qvalue		
9) Benzaldehyde	6.70	77	4745	Below Cal		82
10) Phenol	6.58	94	13730	2.167 ng		86
19) n-Nitroso-di-n-propylamine	7.50	70	26207	7.153 ng	#	81
25) Isophorone	7.50	82	189343	24.371 ng	#	67
50) Dimethylphthalate	9.69	163	21159	2.766 ng		99
56) 4-Nitrophenol	10.04	139	112	4.333 ng	#	1
75) Fluoranthene	12.70	202	51028	5.574 ng		98
78) Pyrene	12.93	202	49214	6.089 ng		96
81) Benzo(a)anthracene	14.12	228	24141	3.695 ng	#	87
83) Chrysene	14.16	228	24990	3.885 ng	#	92
86) Indeno(1,2,3-cd)pyrene	17.29	276	12083	2.617 ng		93
88) Benzo(b)fluoranthene	15.22	252	36125	7.488 ng	#	75
89) Benzo(k)fluoranthene	15.22	252	36125	7.274 ng	#	75
90) Benzo(a)pyrene	15.61	252	19198	4.275 ng	#	73
92) Benzo(g,h,i)perylene	17.77	276	14692	4.112 ng	#	77

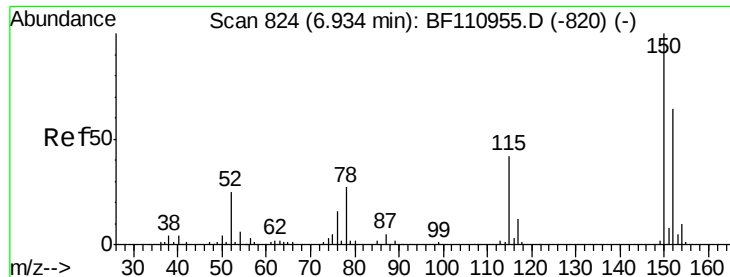
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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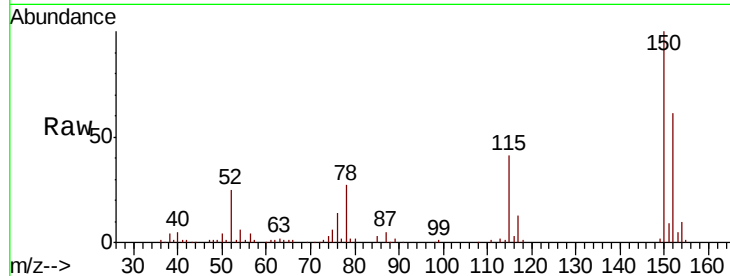


#1

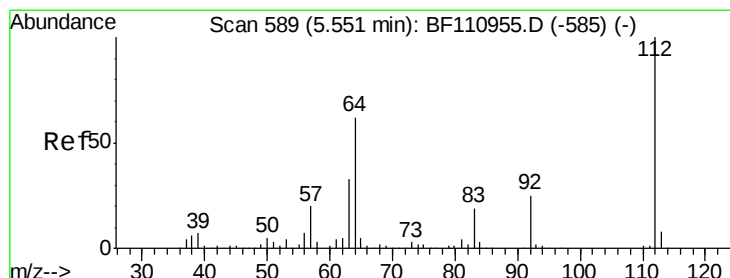
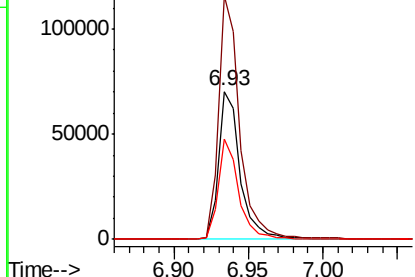
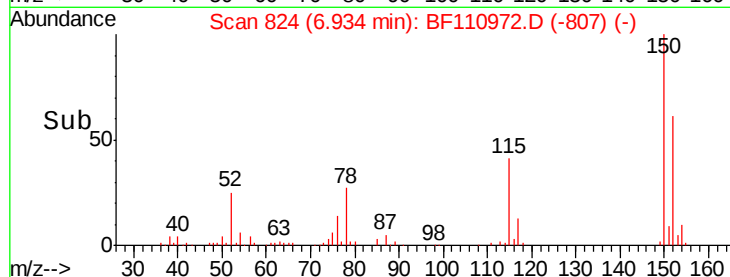
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

Tgt Ion:152 Resp: 71577
Ion Ratio Lower Upper
152 100
150 164.5 122.7 184.1
115 67.3 49.1 73.7



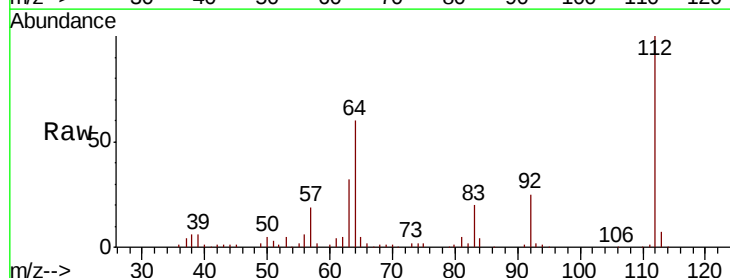
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



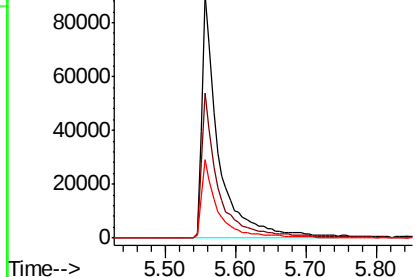
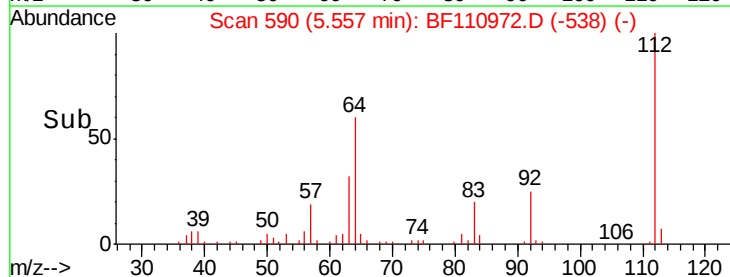
#5

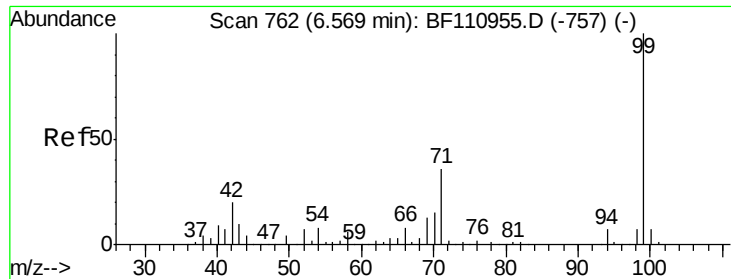
2-Fluorophenol
Concen: 34.807 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

Tgt Ion:112 Resp: 150236
Ion Ratio Lower Upper
112 100
64 59.8 44.1 66.1
63 32.3 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: 50.707 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

Instrument :

BNA_F

ClientSampleId :

AOC1-06-A

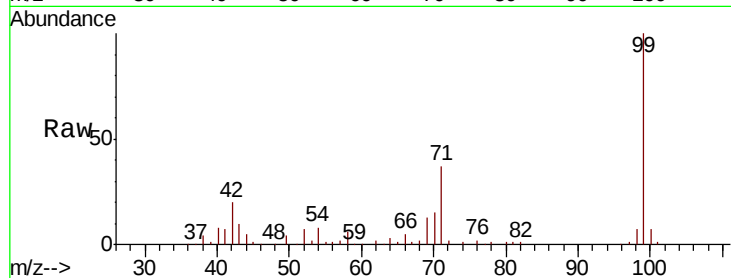
Tgt Ion: 99 Resp: 285217

Ion Ratio Lower Upper

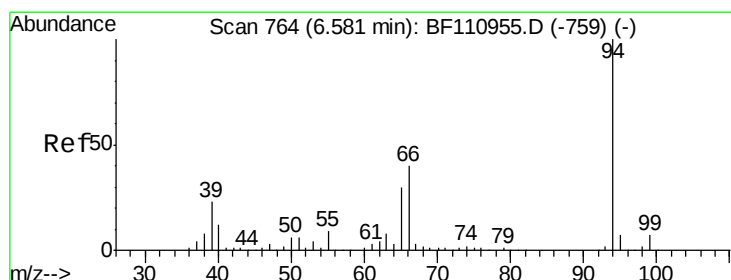
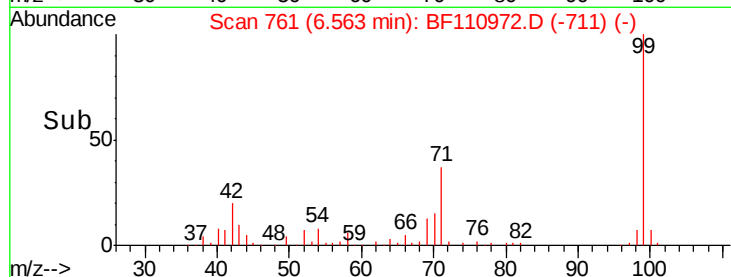
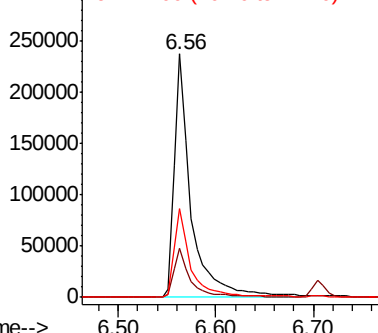
99 100

42 20.2 15.8 23.6

71 36.6 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: 2.167 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

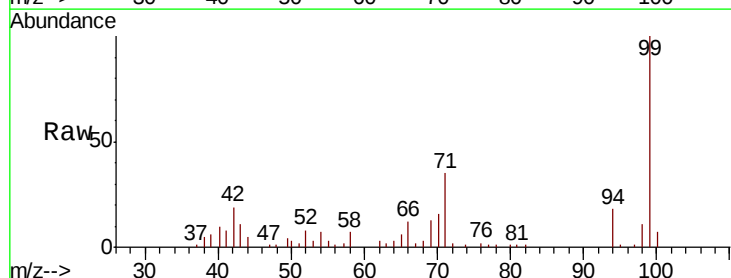
Tgt Ion: 94 Resp: 13730

Ion Ratio Lower Upper

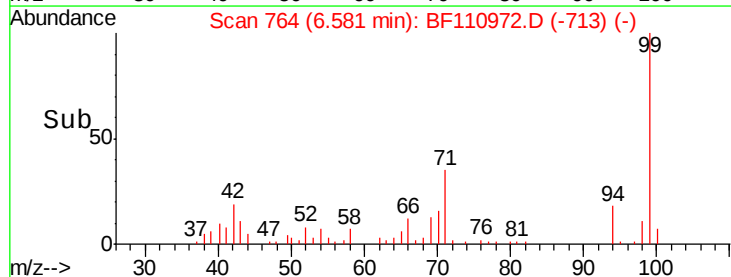
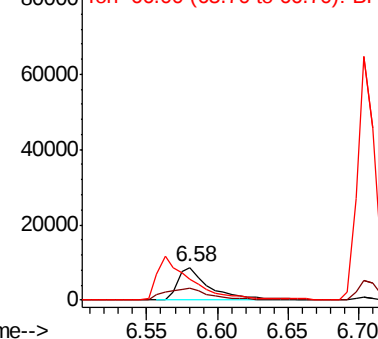
94 100

65 34.8 25.3 65.3

66 63.6 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

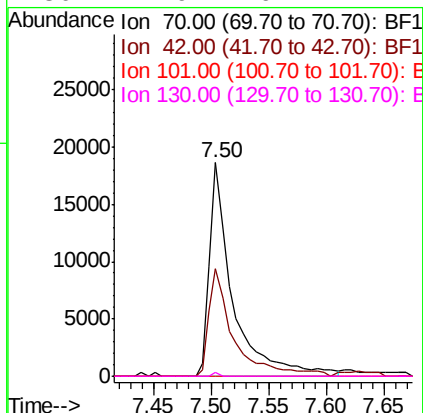
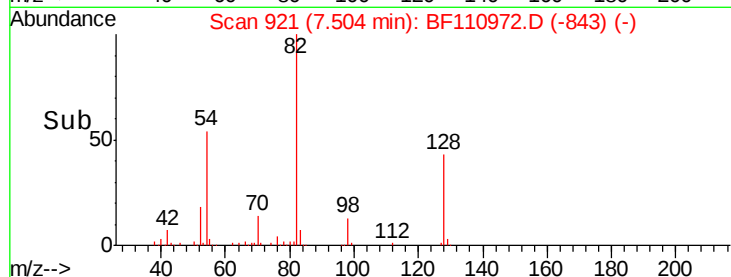
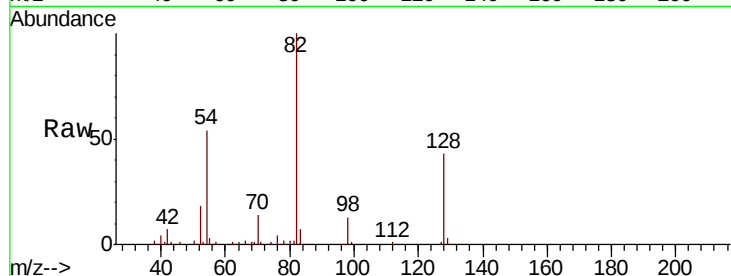




#19
n-Nitroso-di-n-propylamine
Concen: 7.153 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

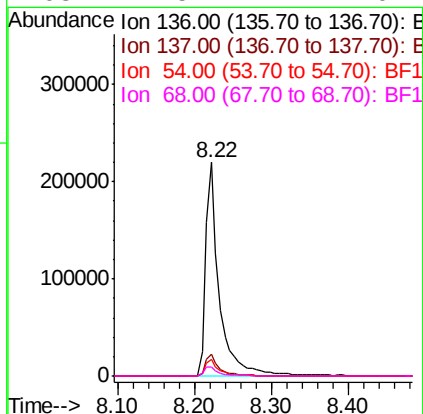
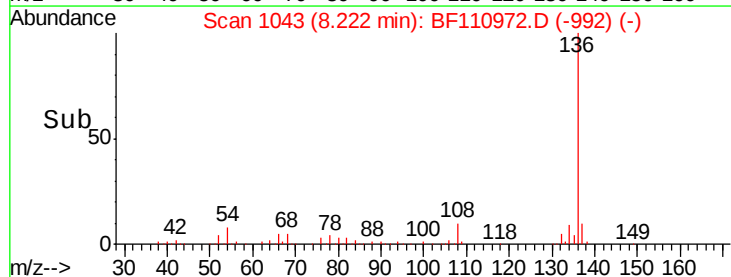
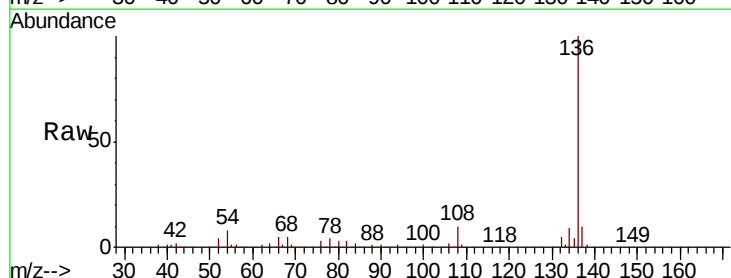
Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

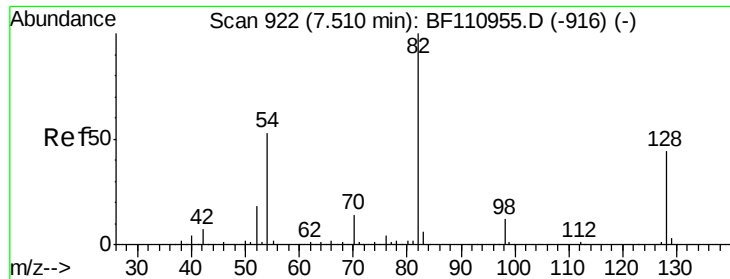
Tgt Ion: 70 Resp: 26207
Ion Ratio Lower Upper
70 100
42 50.5 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

Tgt Ion: 136 Resp: 271064
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 7.5 5.4 8.2
68 4.5 4.2 6.2

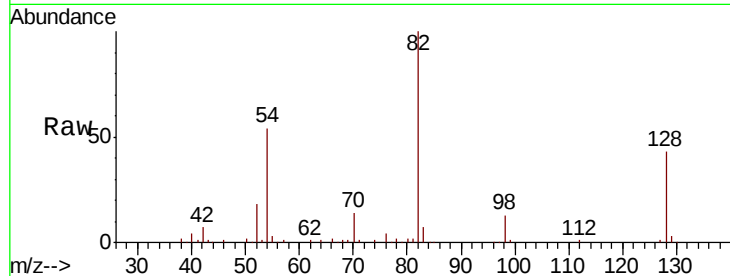




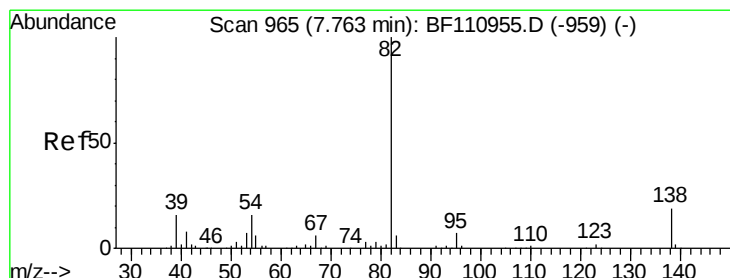
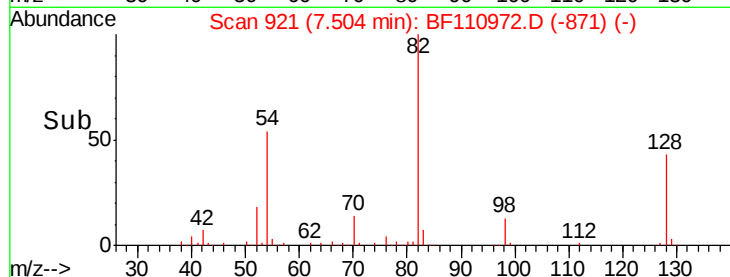
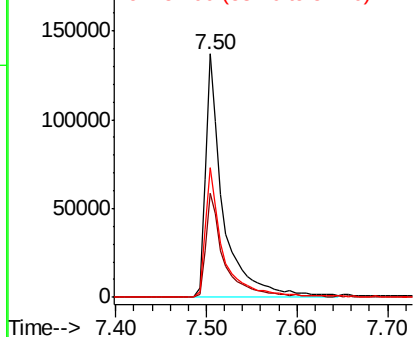
#23
Nitrobenzene-d5
Concen: 39.977 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

Tgt Ion: 82 Resp: 189343
Ion Ratio Lower Upper
82 100
128 42.9 34.2 51.2
54 53.5 38.6 58.0

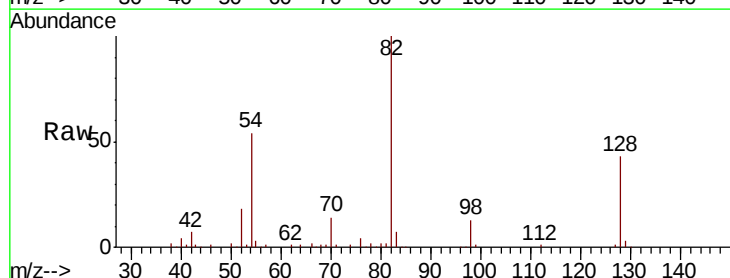


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

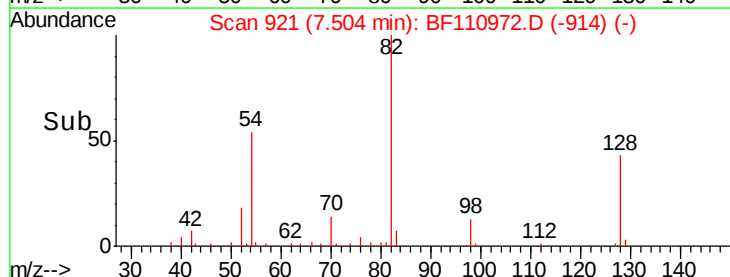
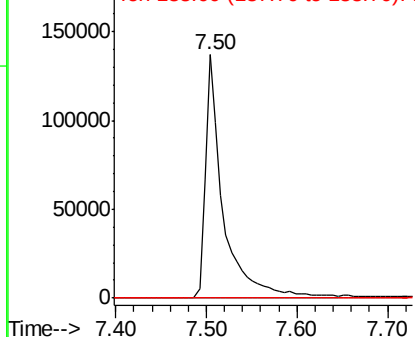


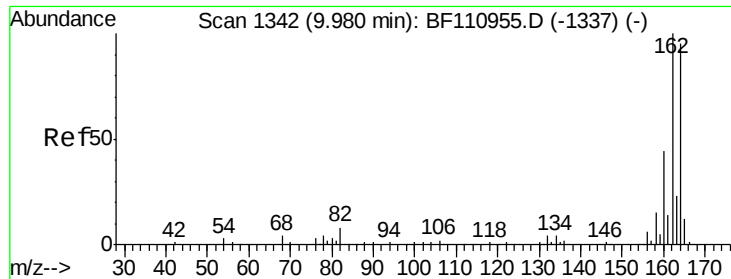
#25
Isophorone
Concen: 24.371 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

Tgt Ion: 82 Resp: 189343
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: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

Instrument :

BNA_F

ClientSampleId :

AOC1-06-A

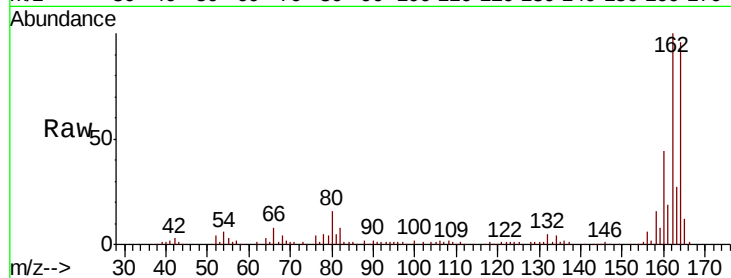
Tgt Ion:164 Resp: 104304

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.6

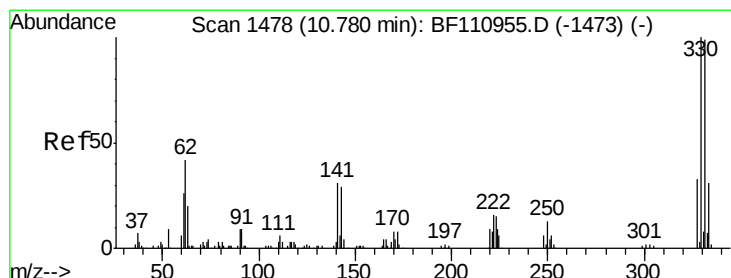
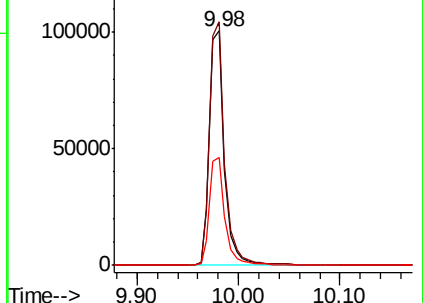
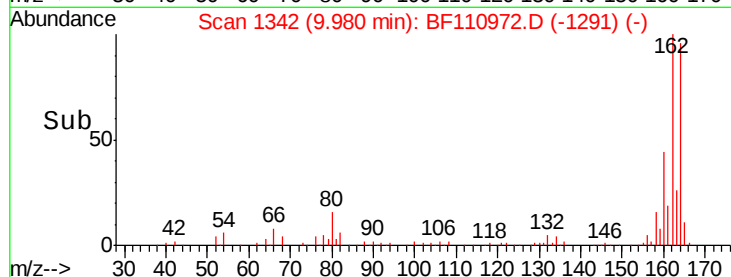
160 45.9 37.0 55.6



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: 9.845 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

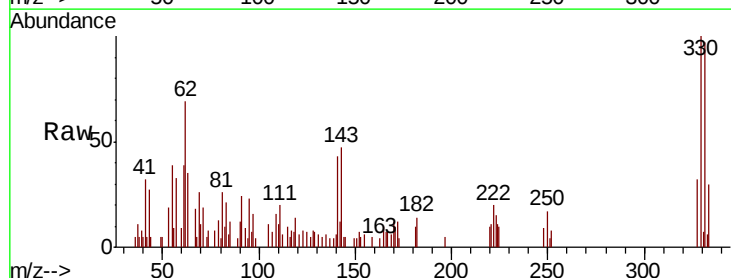
Tgt Ion:330 Resp: 10198

Ion Ratio Lower Upper

330 100

332 98.5 77.1 115.7

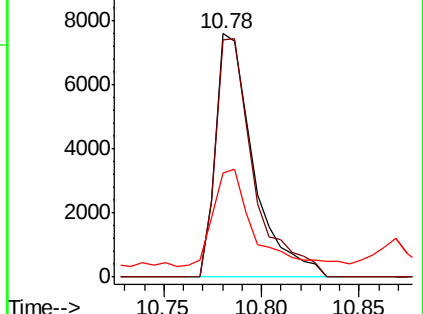
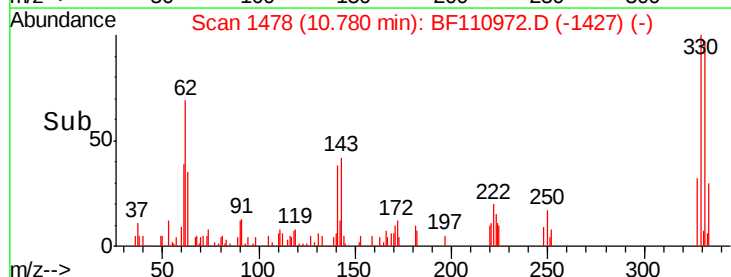
141 47.8 27.0 40.4#

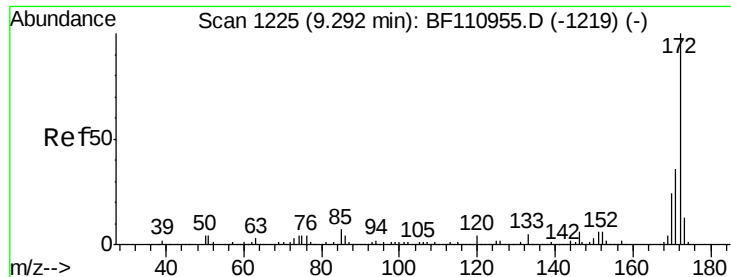


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

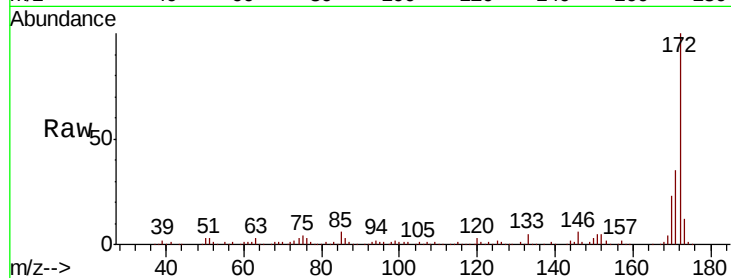




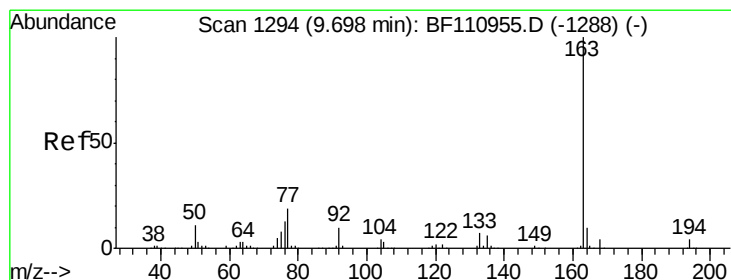
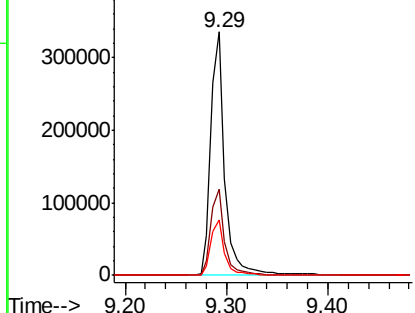
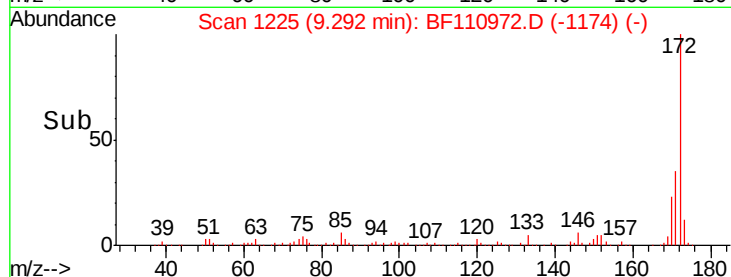
#45
 2-Fluorobiphenyl
 Concen: 45.050 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF110972.D
 Acq: 26 Nov 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :
 AOC1-06-A

Tgt Ion:172 Resp: 324333
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.0 19.7 29.5

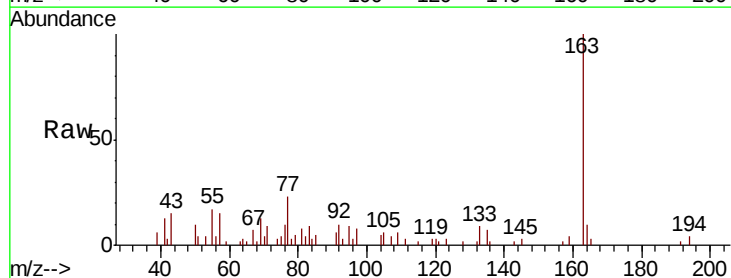


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

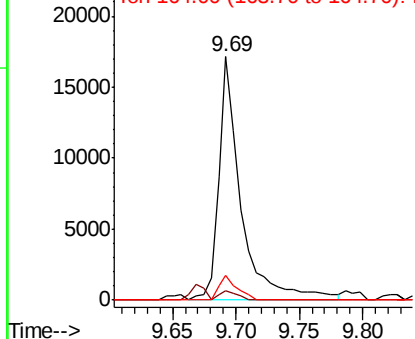
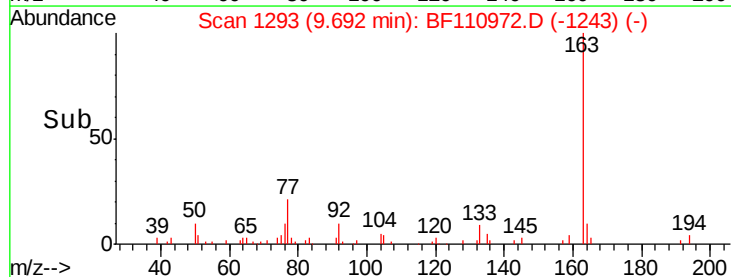


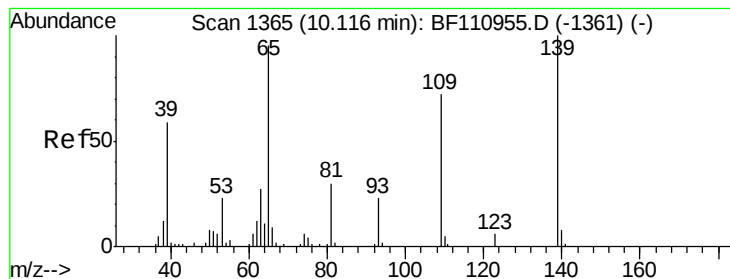
#50
 Dimethylphthalate
 Concen: 2.766 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110972.D
 Acq: 26 Nov 2018 19:10

Tgt Ion:163 Resp: 21159
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.2 4.8
 164 10.2 8.1 12.1



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

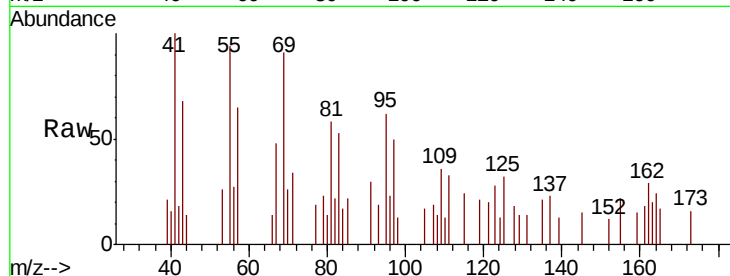




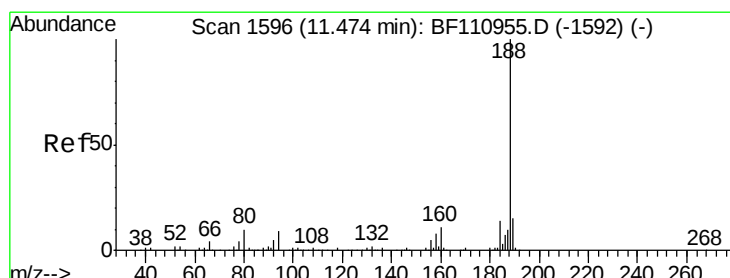
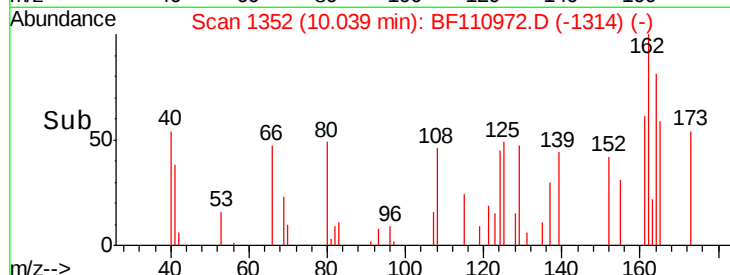
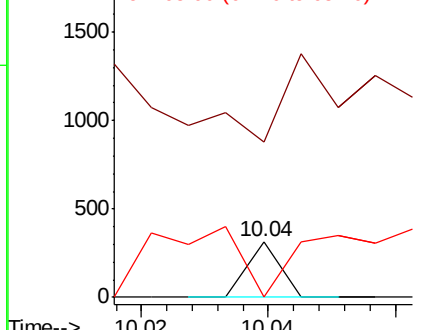
#56
 4-Nitrophenol
 Concen: 4.333 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.08 min
 Lab File: BF110972.D
 Acq: 26 Nov 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :
 AOC1-06-A

Tgt Ion	Ratio	Lower	Upper
139	100		
109	276.3	55.8	95.8#
65	0.0	77.9	117.9#

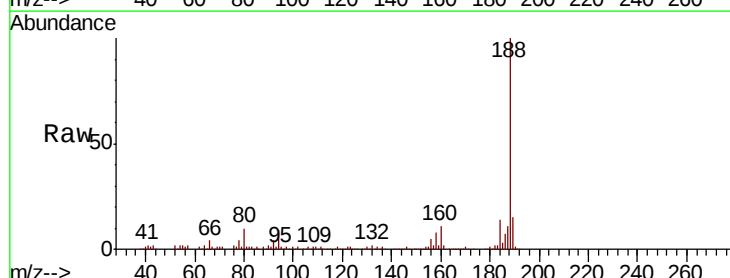


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

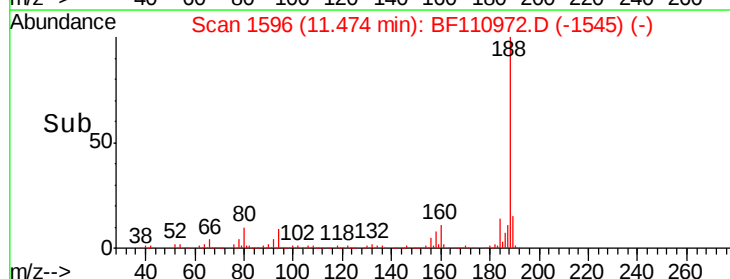
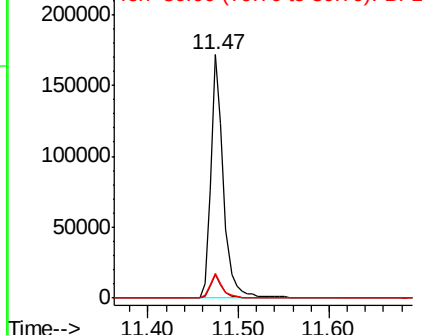


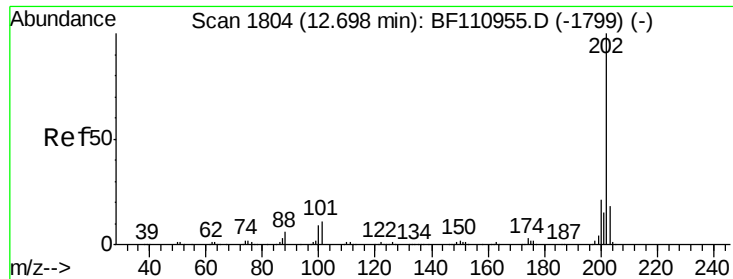
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF110972.D
 Acq: 26 Nov 2018 19:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	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





#75

Fluoranthene

Concen: 5.574 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

Instrument :

BNA_F

ClientSampleId :

AOC1-06-A

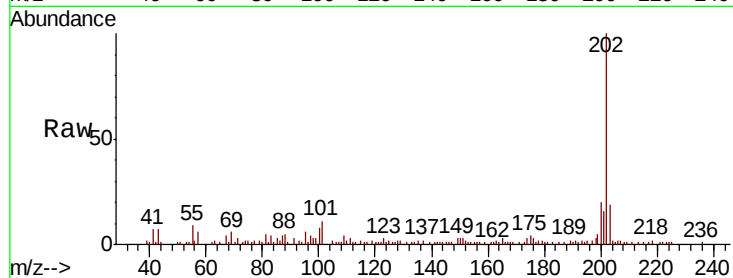
Tgt Ion:202 Resp: 51028

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

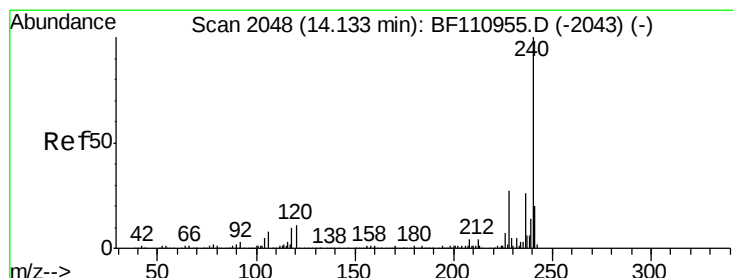
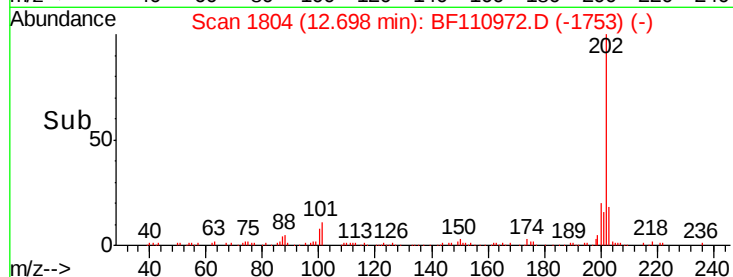
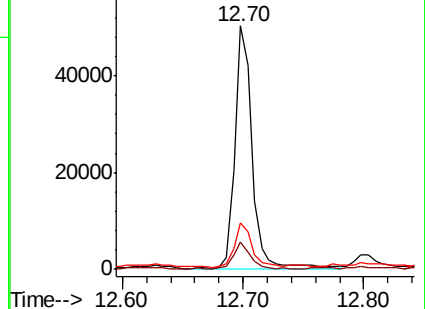
203 19.3 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

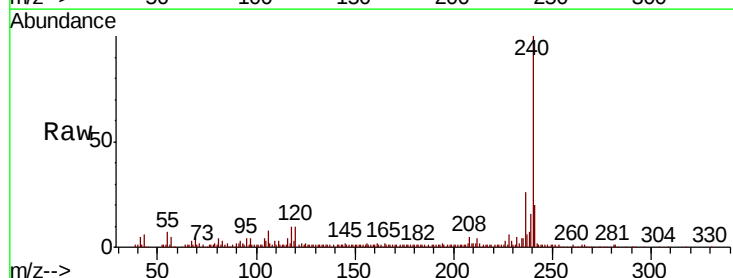
Tgt Ion:240 Resp: 110666

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

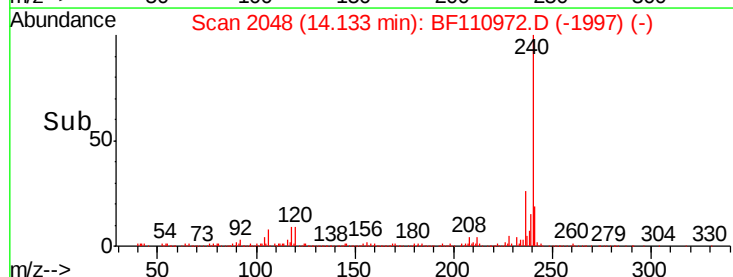
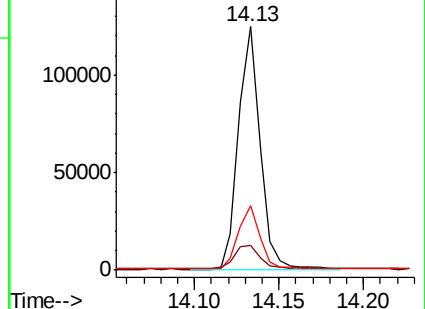
236 26.4 21.2 31.8

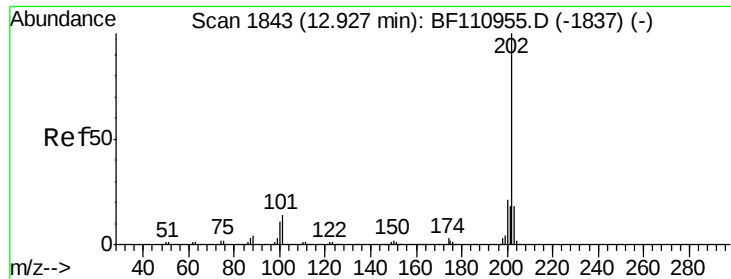


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

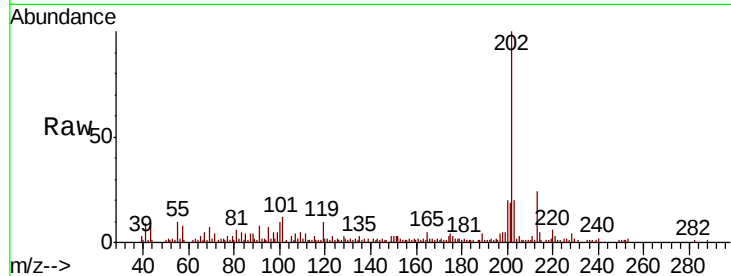




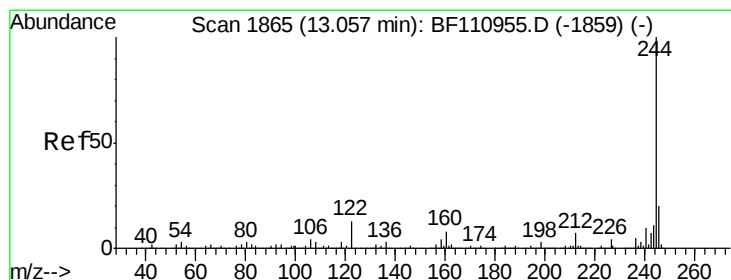
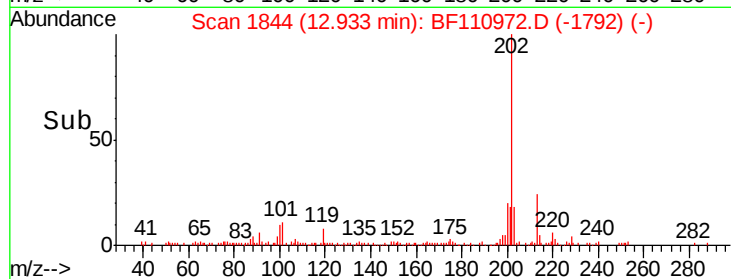
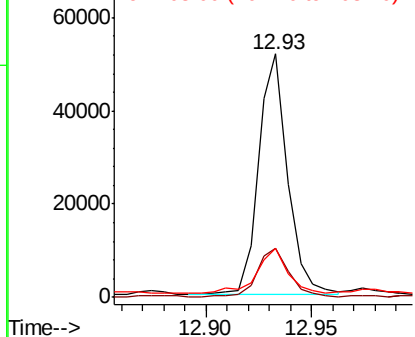
#78
 Pyrene
 Concen: 6.089 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF110972.D
 Acq: 26 Nov 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :
 AOC1-06-A

Tgt Ion:202 Resp: 49214
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.8 26.6
 203 19.9 14.2 21.4

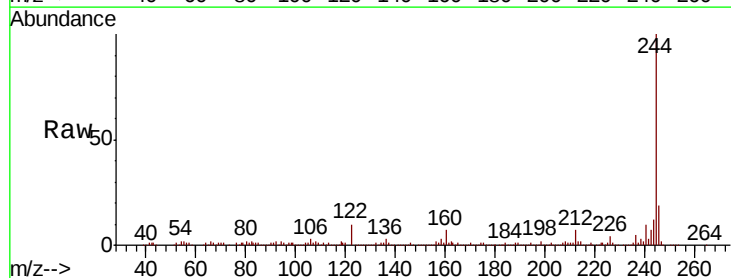


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

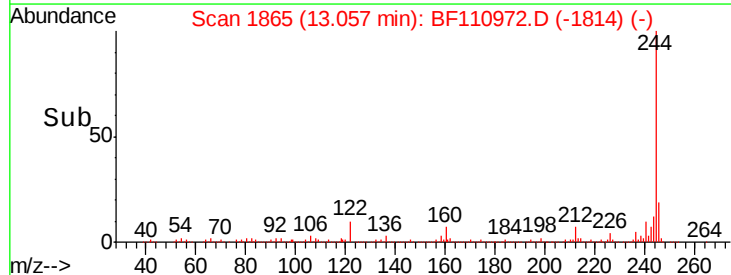
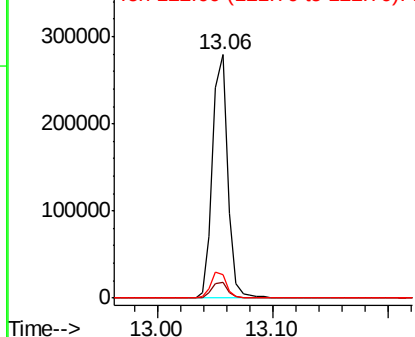


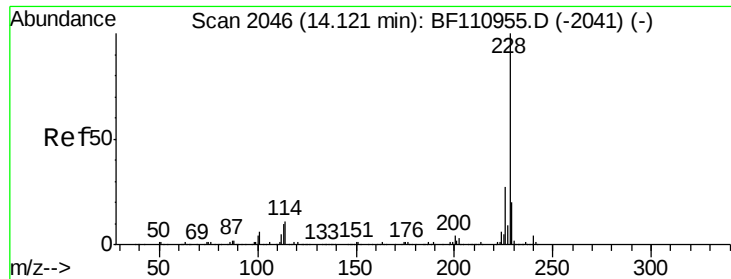
#79
 Terphenyl-d14
 Concen: 45.194 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BF110972.D
 Acq: 26 Nov 2018 19:10

Tgt Ion:244 Resp: 256925
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 9.8 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

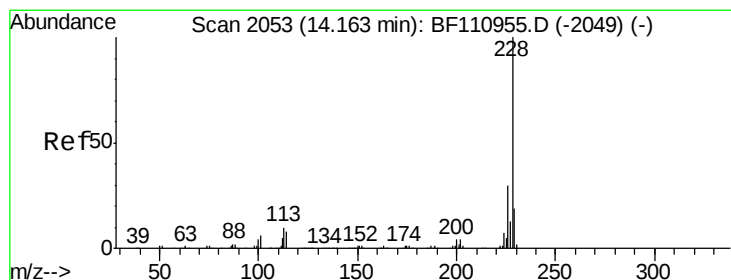
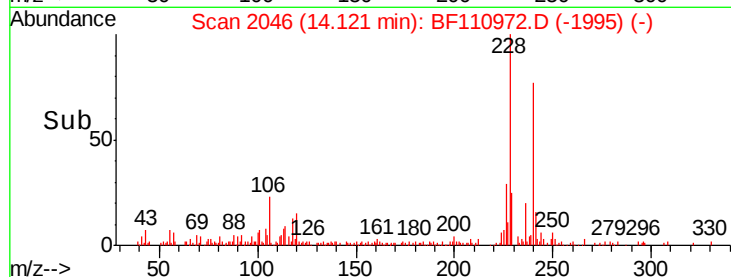
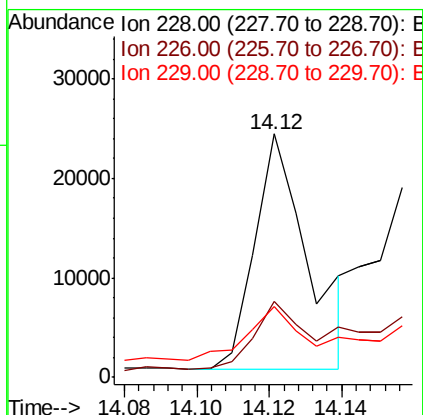
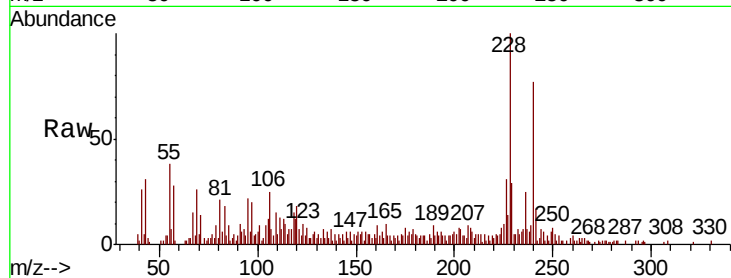




#81
Benzo(a)anthracene
Concen: 3.695 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.00 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

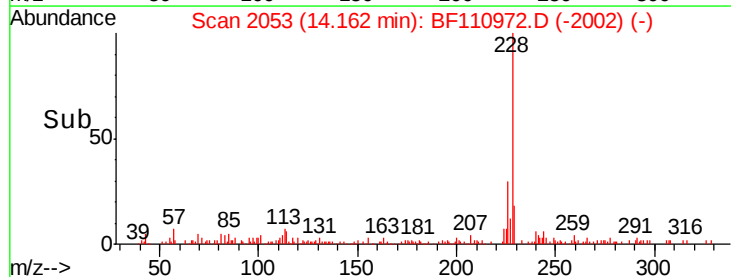
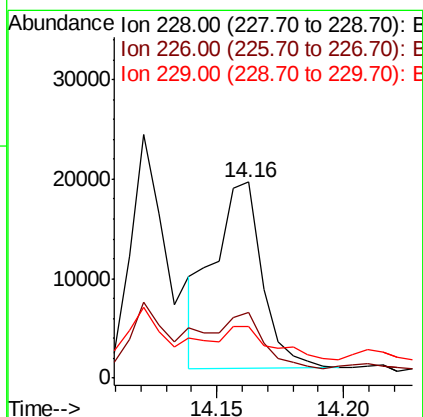
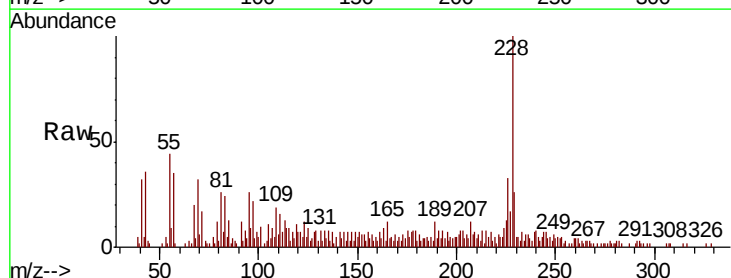
Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

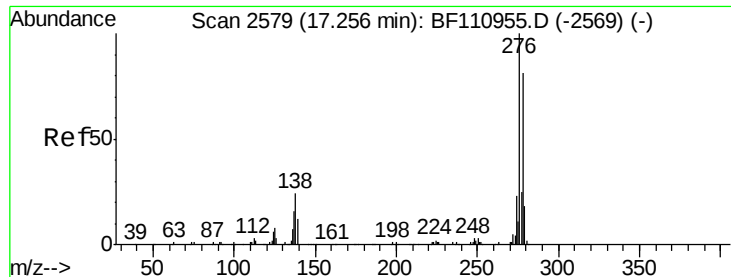
Tgt Ion:228 Resp: 24141
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 29.0 15.6 23.4#



#83
Chrysene
Concen: 3.885 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF110972.D
Acq: 26 Nov 2018 19:10

Tgt Ion:228 Resp: 24990
Ion Ratio Lower Upper
228 100
226 33.5 24.7 37.1
229 26.4 15.9 23.9#





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.617 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.03 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

Instrument :

BNA_F

ClientSampleId :

AOC1-06-A

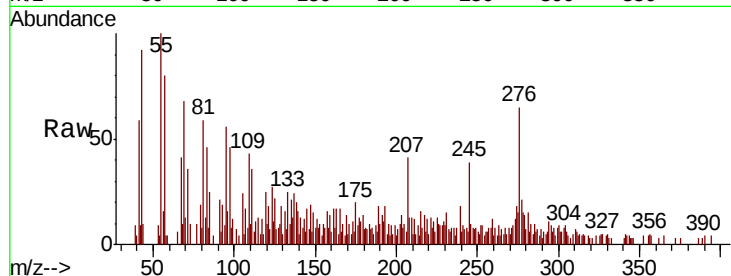
Tgt Ion:276 Resp: 12083

Ion Ratio Lower Upper

276 100

138 19.4 18.5 27.7

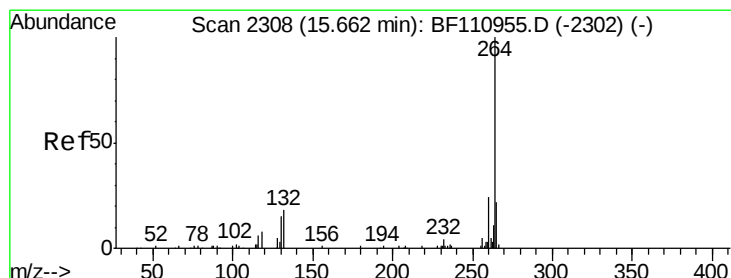
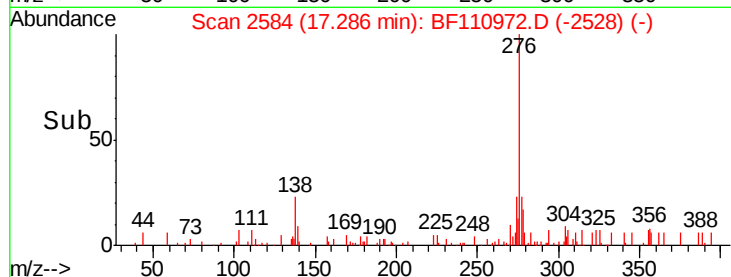
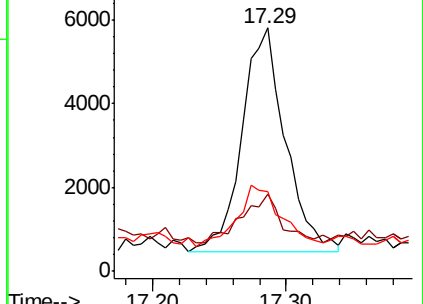
277 27.8 20.0 30.0



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: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

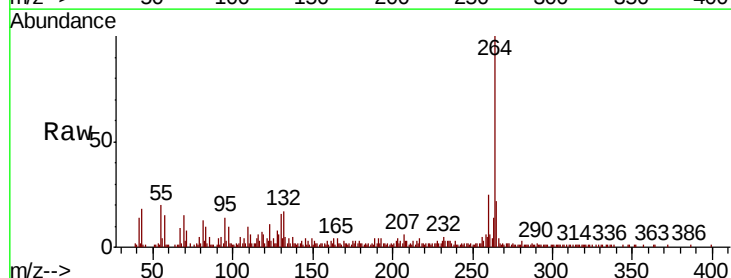
Tgt Ion:264 Resp: 82128

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

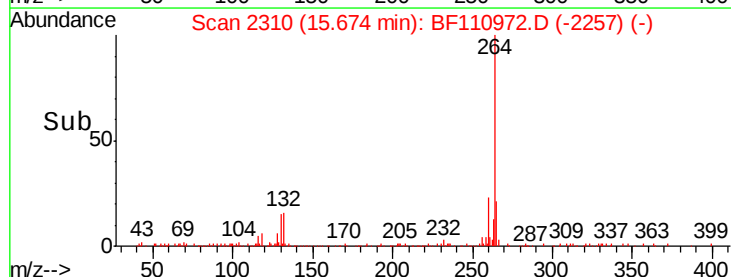
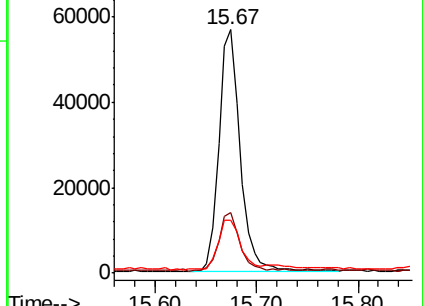
265 21.9 16.7 25.1

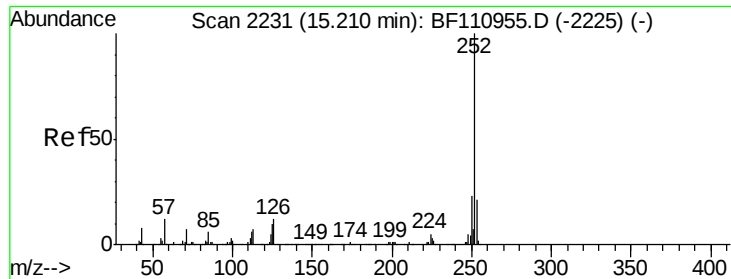


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 7.488 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

Instrument :

BNA_F

ClientSampleId :

AOC1-06-A

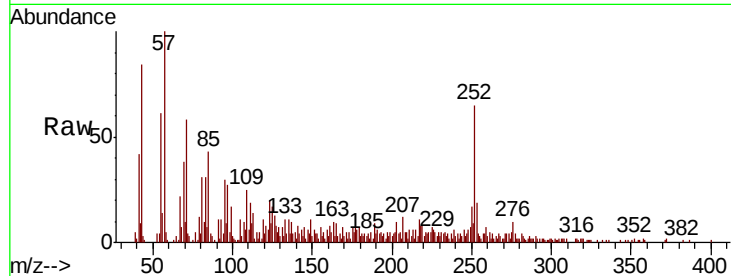
Tgt Ion:252 Resp: 36125

Ion Ratio Lower Upper

252 100

253 29.2 17.2 25.8#

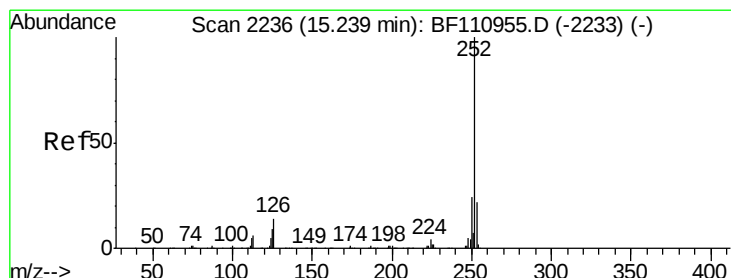
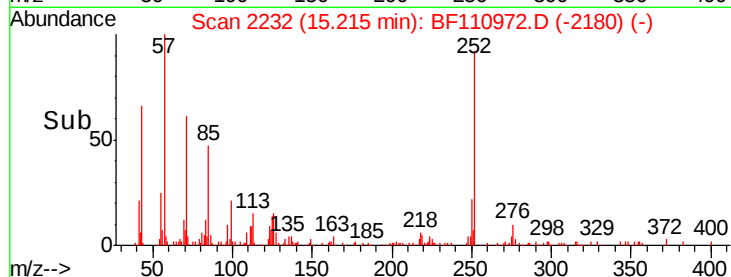
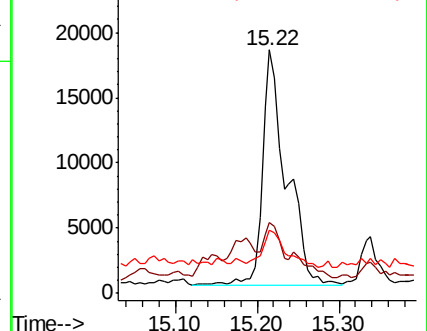
125 26.1 8.2 12.4#



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: 7.274 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

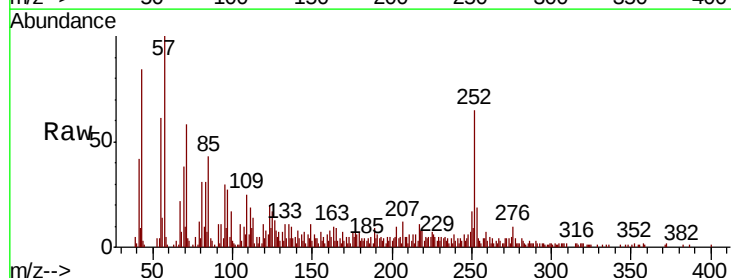
Tgt Ion:252 Resp: 36125

Ion Ratio Lower Upper

252 100

253 29.2 17.2 25.8#

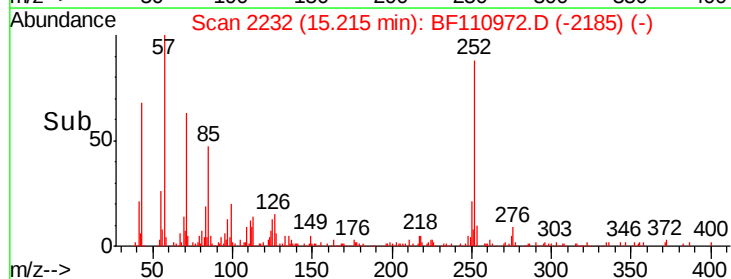
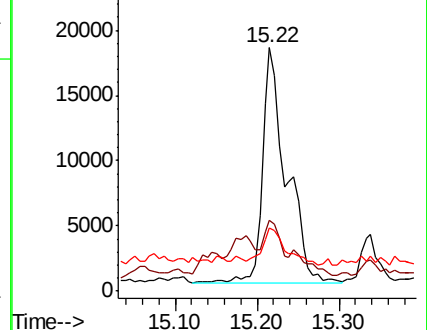
125 26.1 7.4 11.0#

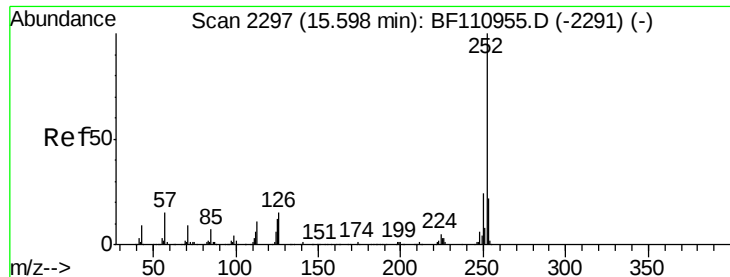


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.275 ng

RT: 15.61 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

Instrument :

BNA_F

ClientSampleId :

AOC1-06-A

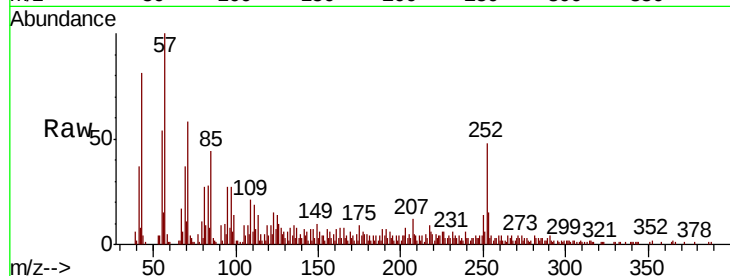
Tgt Ion:252 Resp: 19198

Ion Ratio Lower Upper

252 100

253 31.4 18.2 27.4#

125 28.8 9.0 13.6#

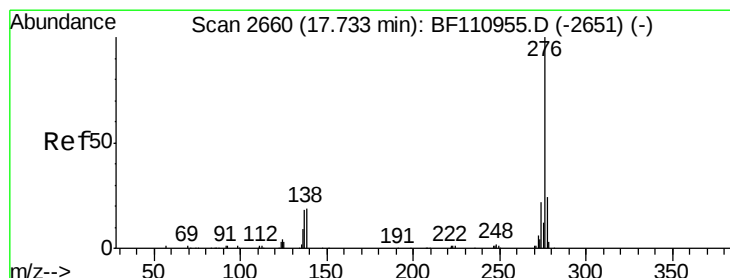
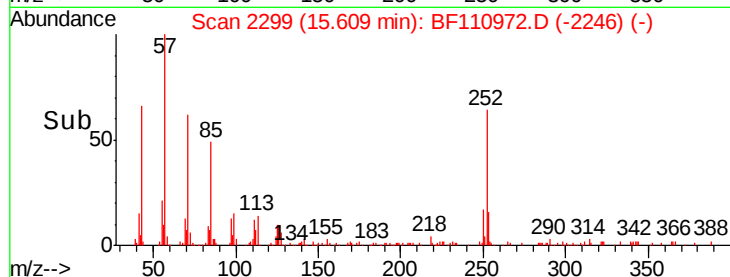
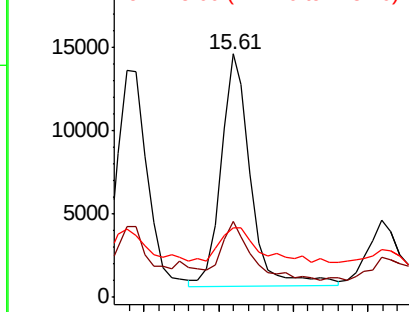


Abundance

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(g,h,i)perylene

Concen: 4.112 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.04 min

Lab File: BF110972.D

Acq: 26 Nov 2018 19:10

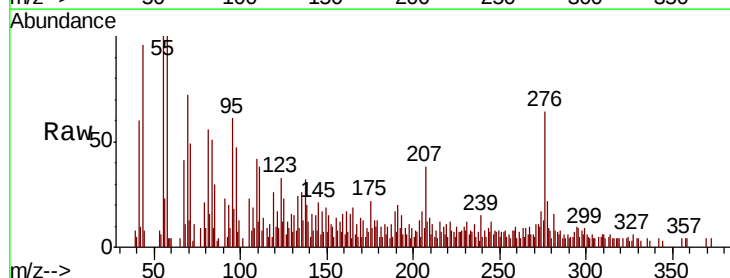
Tgt Ion:276 Resp: 14692

Ion Ratio Lower Upper

276 100

277 34.1 18.8 28.2#

138 31.6 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

