

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101262.D
 Acq On : 9 Dec 2017 4:47
 Operator : SJ/JU
 Sample : I6791-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-2-SAMPLE

Quant Time: Dec 11 00:20:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

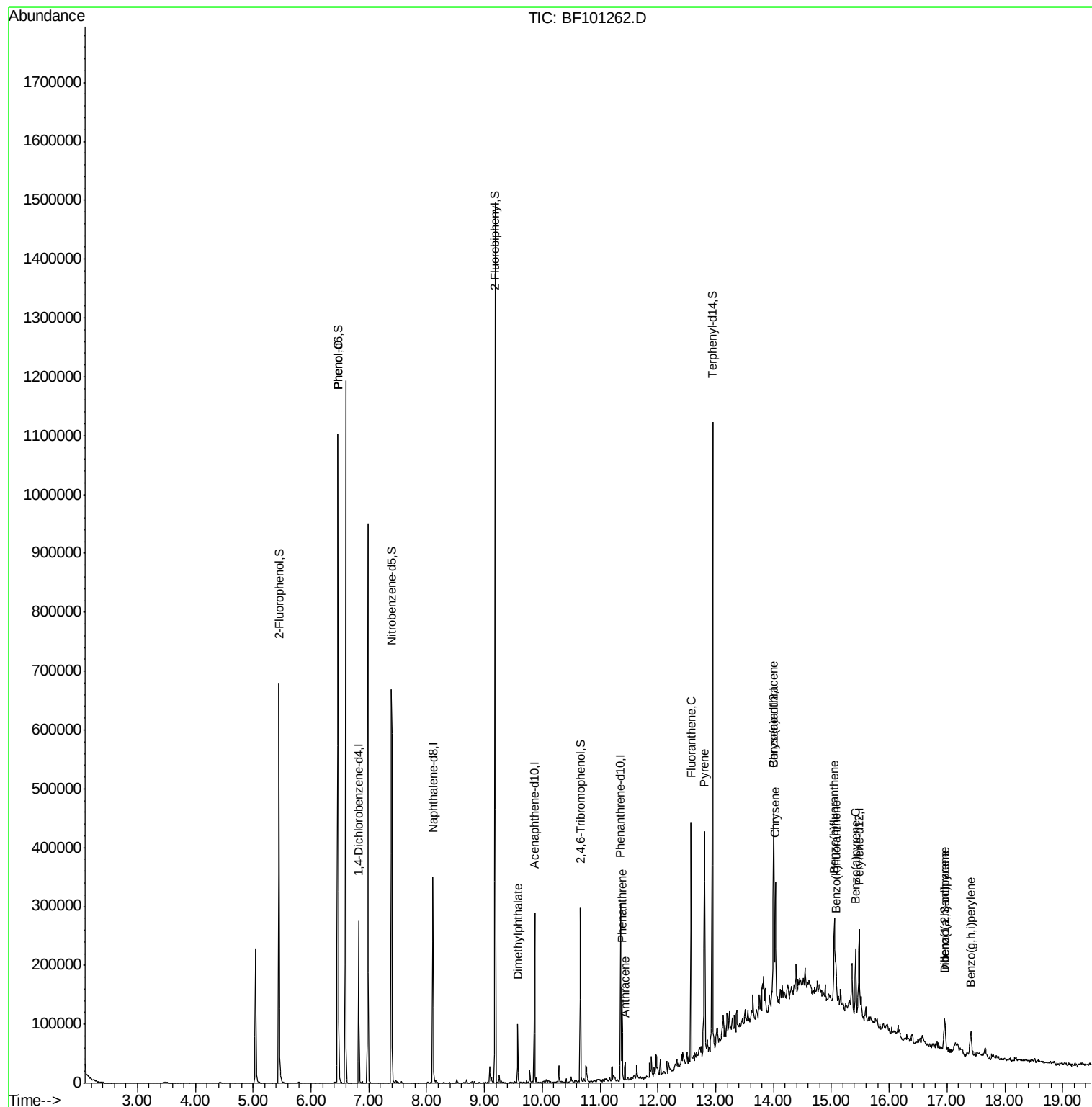
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	40546	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	147764	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	60602	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	100751	20.00	ng	0.00
75) Chrysene-d12	14.01	240	78547	20.00	ng	0.00
86) Perylene-d12	15.48	264	63411	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	189556	77.25	ng	0.00
7) Phenol-d6	6.47	99	383092	128.60	ng	0.00
23) Nitrobenzene-d5	7.39	82	230391	93.01	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	34136	46.89	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	436486	98.54	ng	0.00
78) Terphenyl-d14	12.95	244	336587	93.73	ng	0.00
Target Compounds						
10) Phenol	6.47	94	16496	4.980	ng	Qvalue # 72
49) Dimethylphthalate	9.57	163	36926	7.555	ng	# 99
70) Phenanthrene	11.38	178	55083	9.928	ng	95
71) Anthracene	11.43	178	13929	2.481	ng	94
74) Fluoranthene	12.57	202	146544	23.827	ng	94
77) Pyrene	12.80	202	147413	27.198	ng	99
80) Benzo(a)anthracene	14.00	228	82597	16.655	ng	98
82) Chrysene	14.03	228	76240m	16.553	ng	
85) Indeno(1,2,3-cd)pyrene	16.96	276	32751	7.998	ng	# 89
87) Benzo(b)fluoranthene	15.05	252	78541m	20.679	ng	
88) Benzo(k)fluoranthene	15.07	252	24901m	6.654	ng	
89) Benzo(a)pyrene	15.42	252	55061	15.946	ng	99
90) Dibenzo(a,h)anthracene	16.96	278	8981	2.950	ng	# 83
91) Benzo(g,h,i)perylene	17.42	276	33674	11.738	ng	98

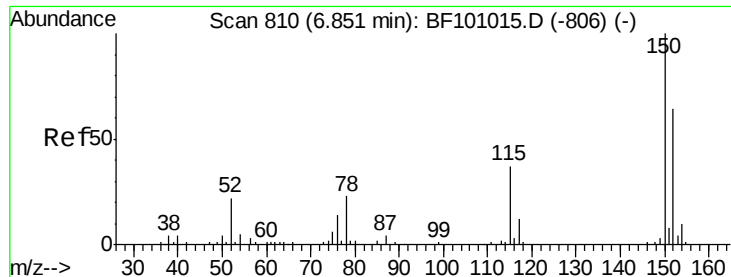
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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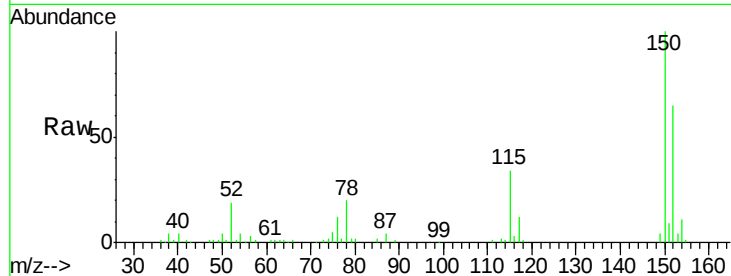


#1

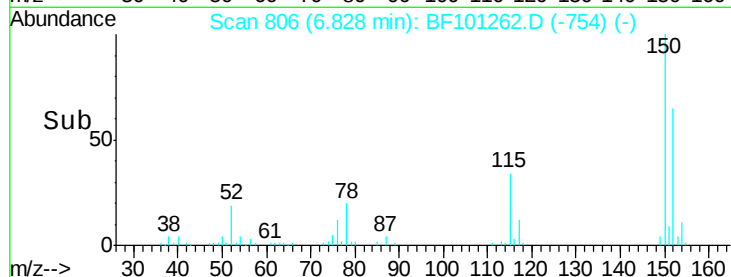
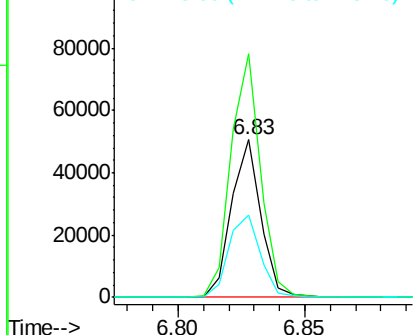
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-2-SAMPLE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	52.6	50.1	75.1



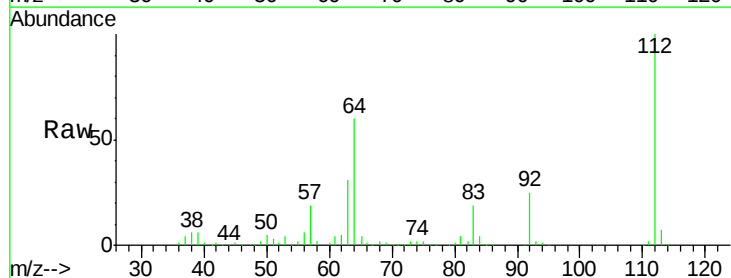
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



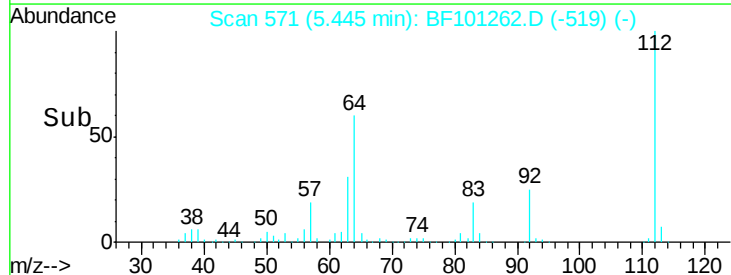
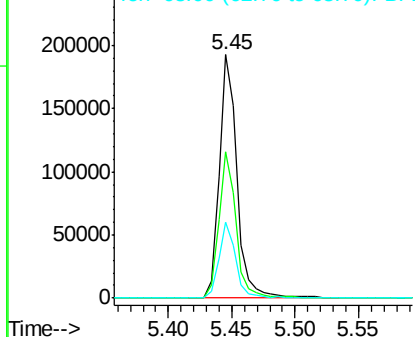
#5

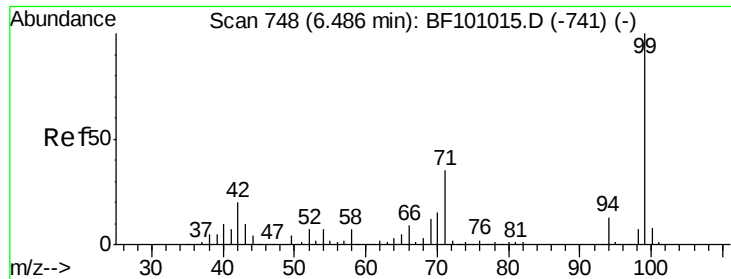
2-Fluorophenol
 Concen: 77.253 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	31.4	23.7	35.5



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





#7

Phenol-d6

Concen: 128.596 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

AREA-1-2-SAMPLE

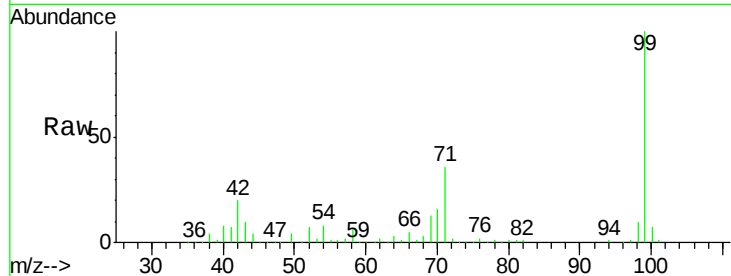
Tot Ion: 99 Resp: 383092

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

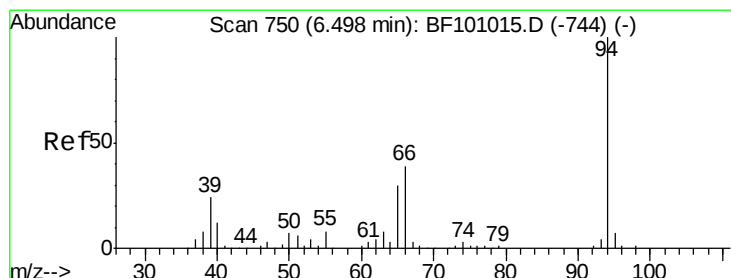
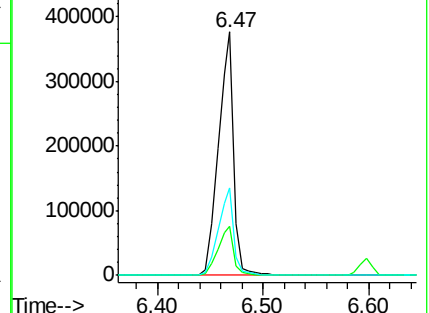
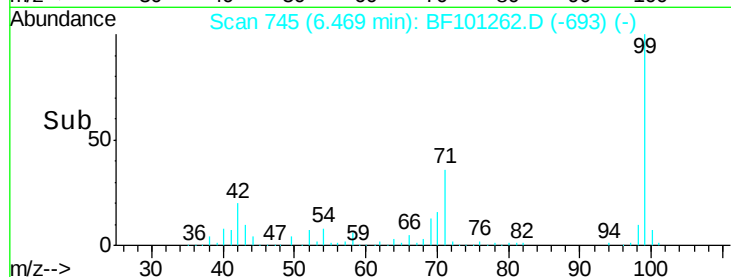
71 35.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.980 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

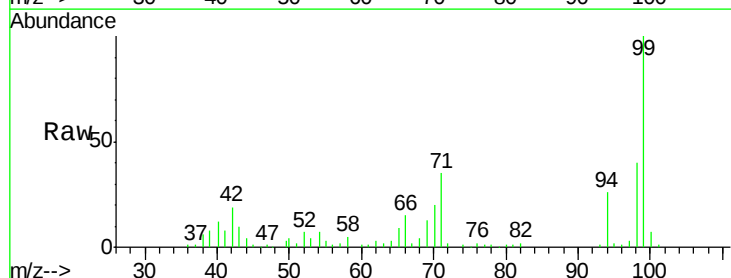
Tgt Ion: 94 Resp: 16496

Ion Ratio Lower Upper

94 100

65 36.1 7.9 47.9

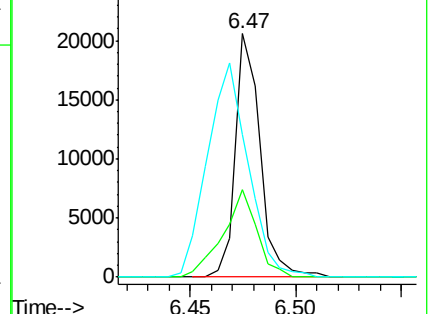
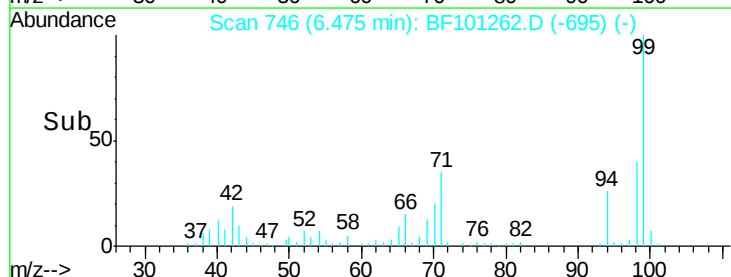
66 58.7 16.2 56.2#



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

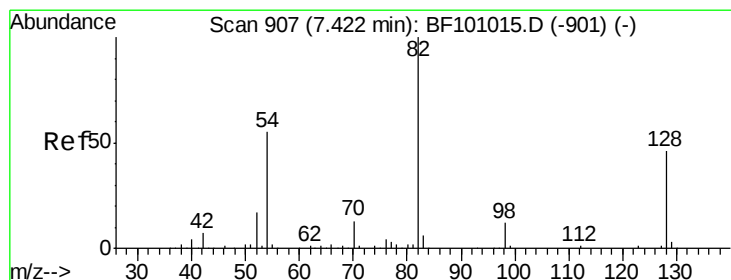
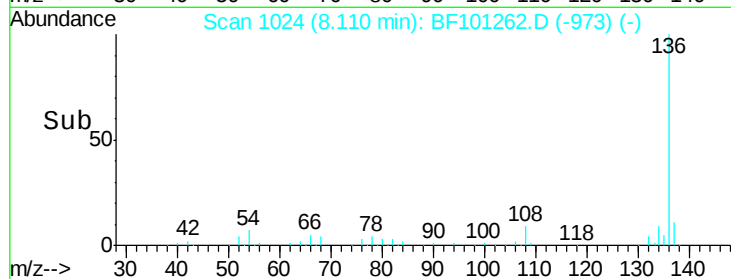
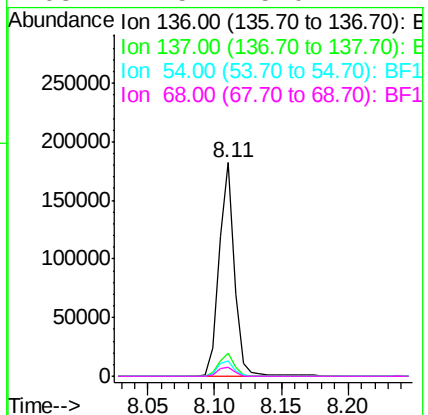
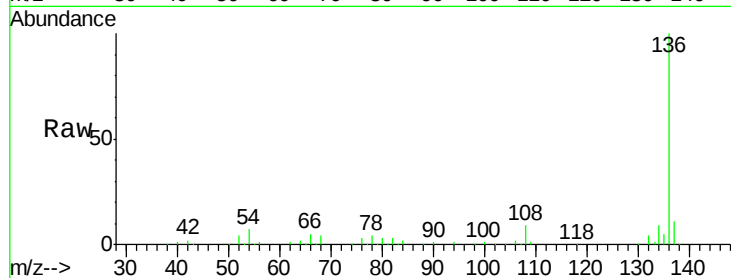




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

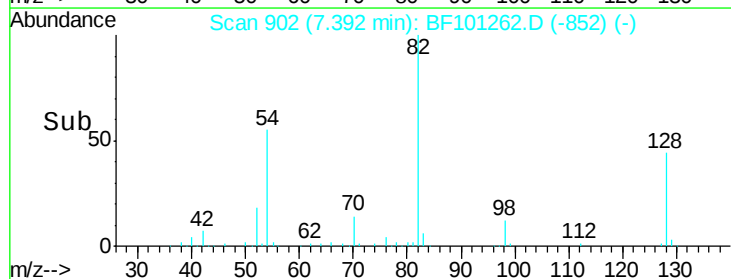
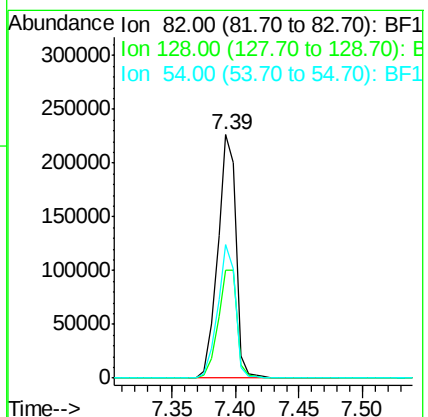
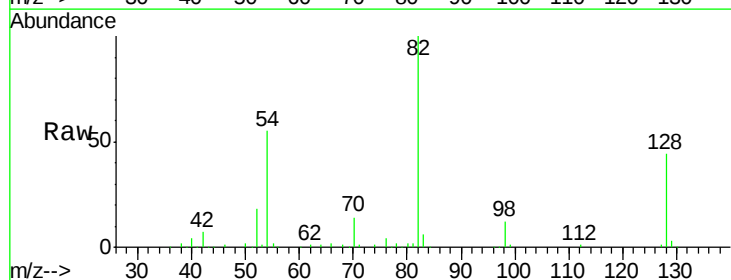
Instrument :
BNA_F
ClientSampleId :
AREA-1-2-SAMPLE

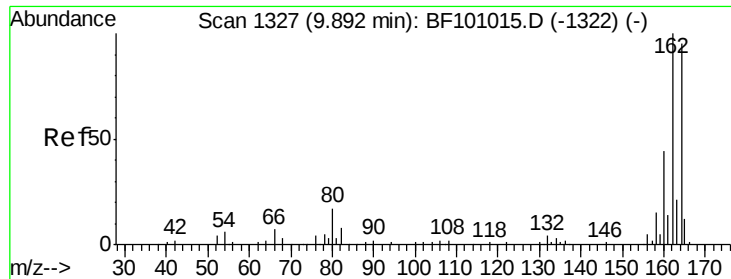
Tot Ion:136	Resp:	147764
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.1	6.6 9.8
68	4.5	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 93.010 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion: 82	Resp:	230391
Ion Ratio	Lower	Upper
82	100	
128	44.4	36.1 54.1
54	54.7	41.4 62.2

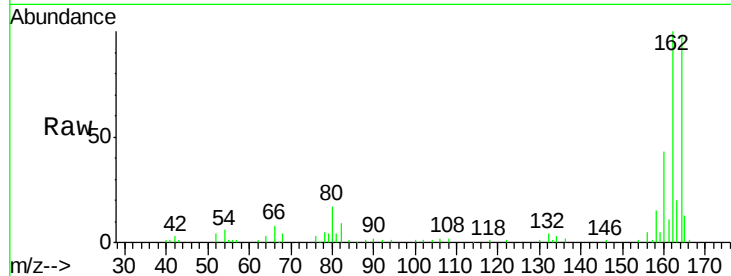




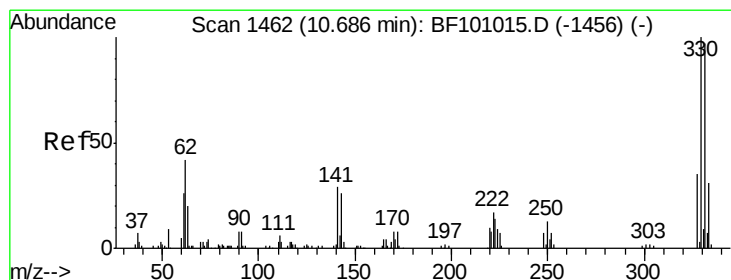
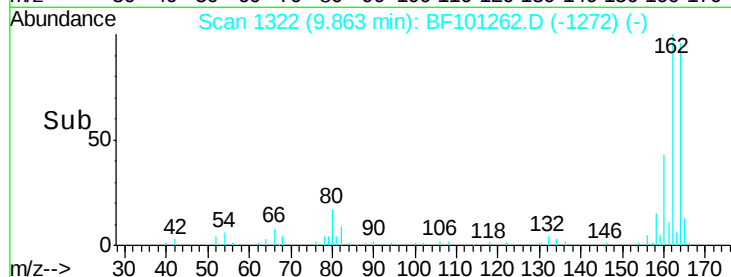
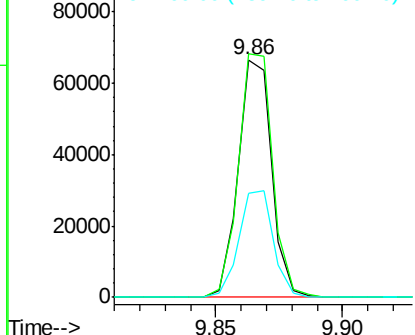
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-2-SAMPLE

Tot Ion:164 Resp: 60602
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 43.9 38.3 57.5

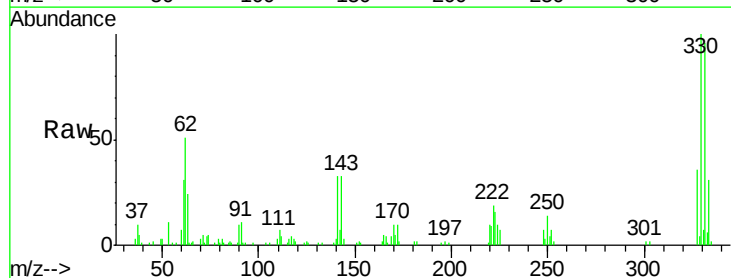


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

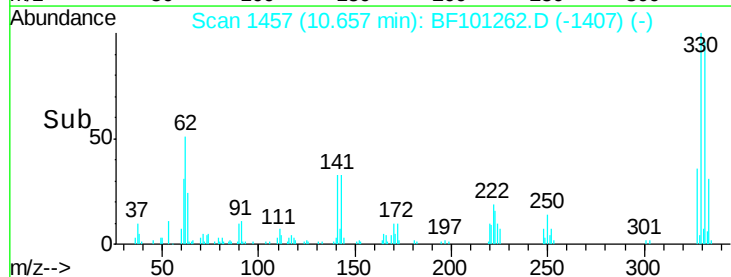
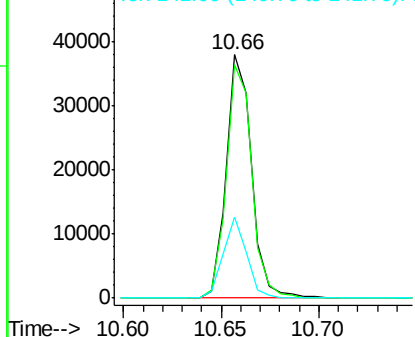


#41
 2,4,6-Tribromophenol
 Concen: 46.890 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Tgt Ion:330 Resp: 34136
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 30.5 29.9 44.9



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

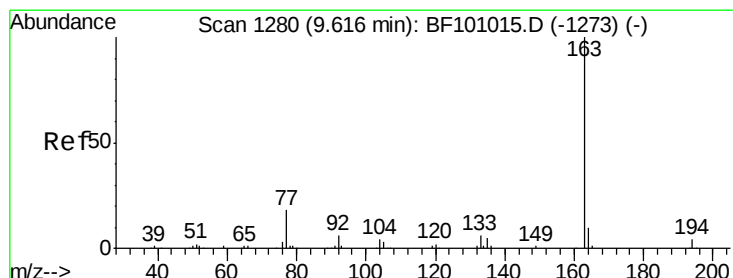
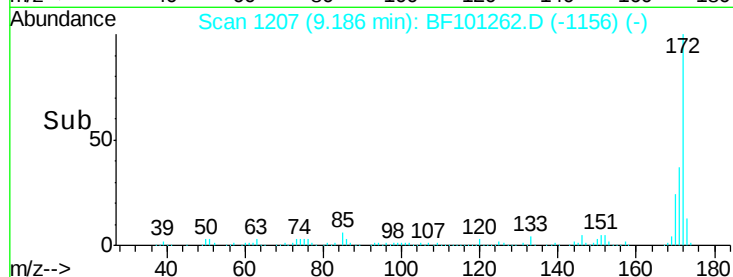
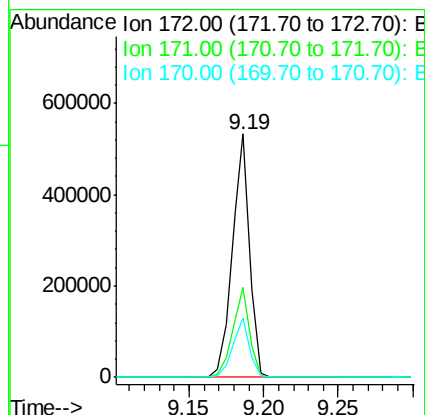
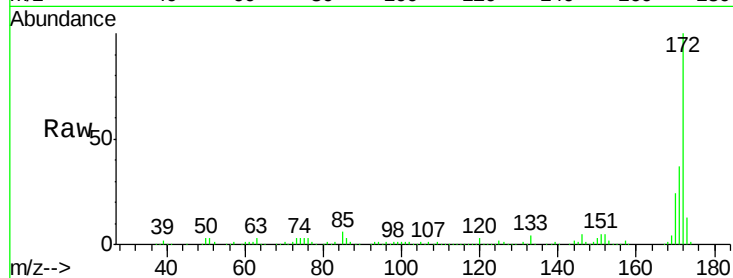




#44
2-Fluorobiphenyl
Concen: 98.545 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

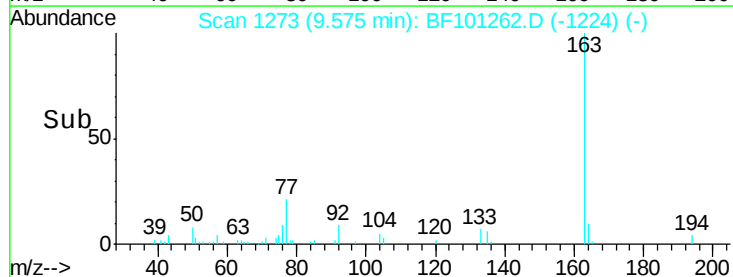
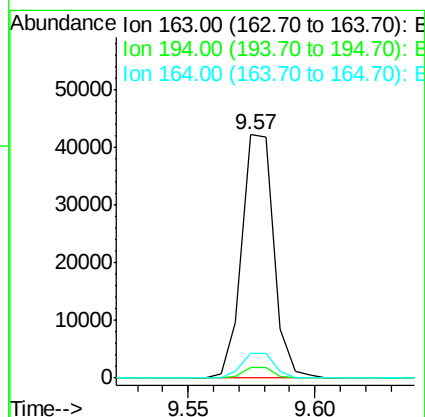
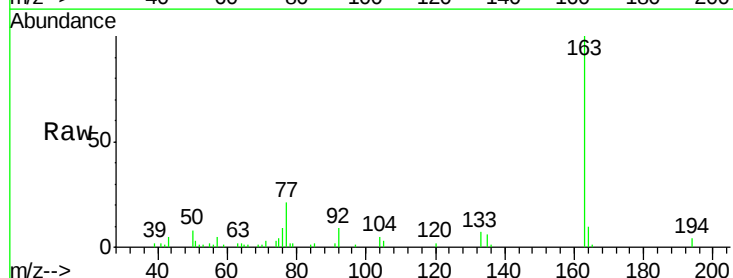
Instrument :
BNA_F
ClientSampleId :
AREA-1-2-SAMPLE

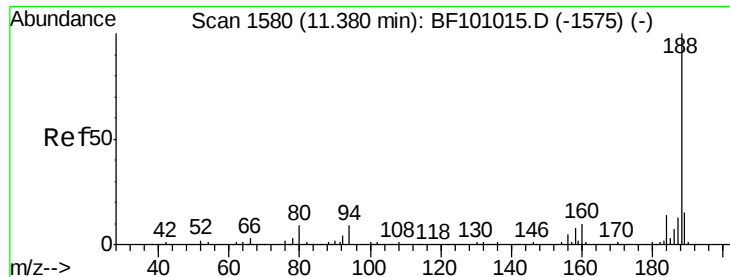
Tot Ion:172 Resp: 436486
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.4 19.6 29.4



#49
Dimethylphthalate
Concen: 7.555 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:163 Resp: 36926
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 10.3 8.2 12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

AREA-1-2-SAMPLE

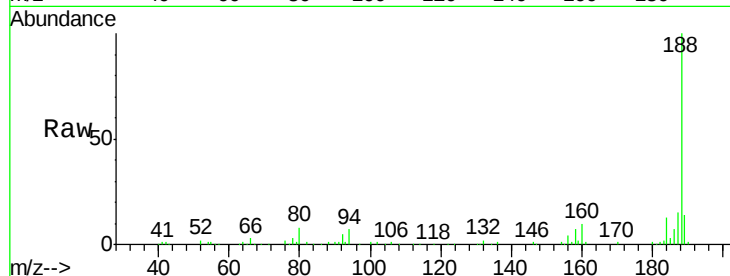
Tot Ion:188 Resp: 100751

Ion Ratio Lower Upper

188 100

94 7.1 8.5 12.7#

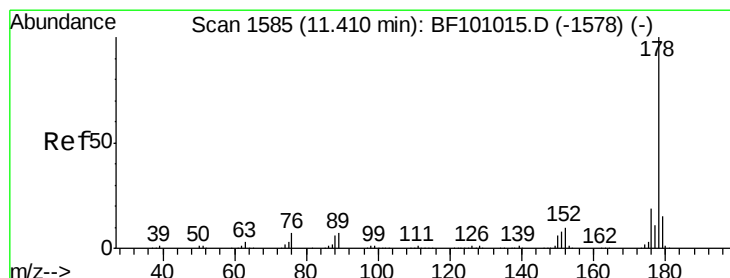
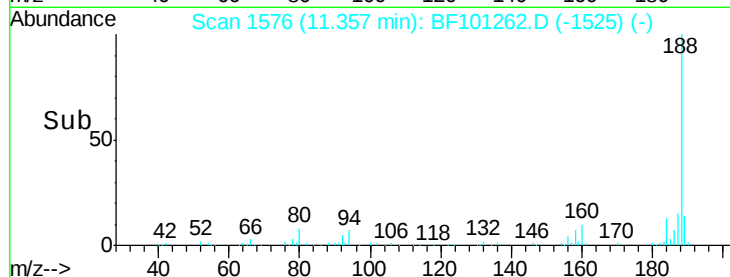
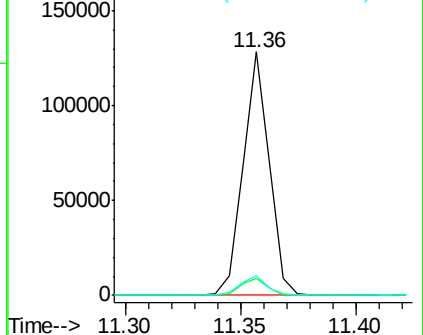
80 8.2 9.2 13.8#



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



#70

Phenanthrene

Concen: 9.928 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

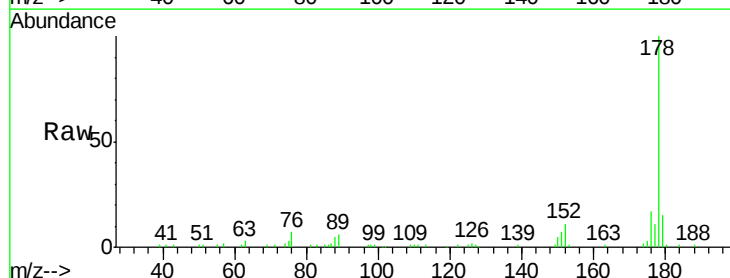
Tgt Ion:178 Resp: 55083

Ion Ratio Lower Upper

178 100

176 17.0 15.8 23.8

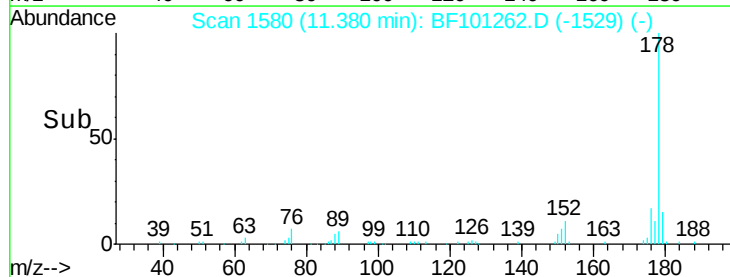
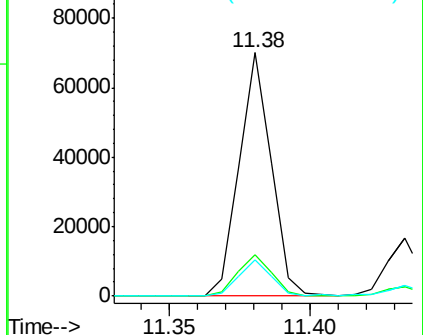
179 14.9 13.0 19.6

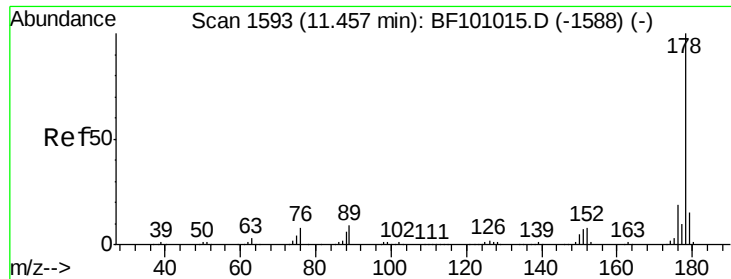


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

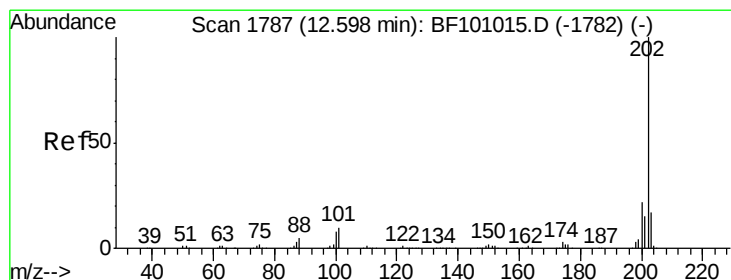
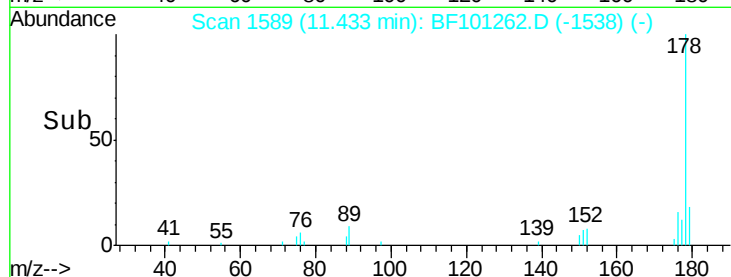
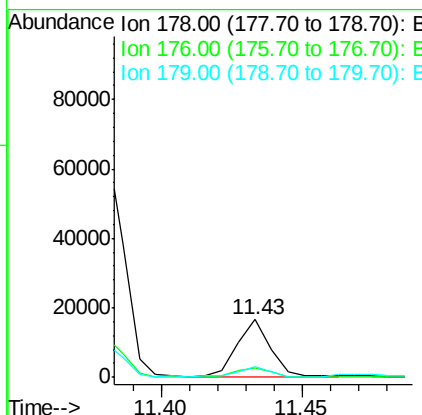
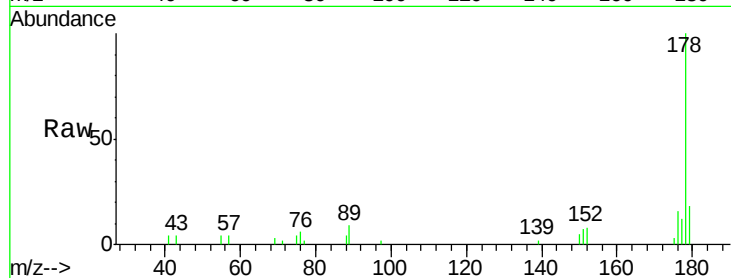




#71
 Anthracene
 Concen: 2.481 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

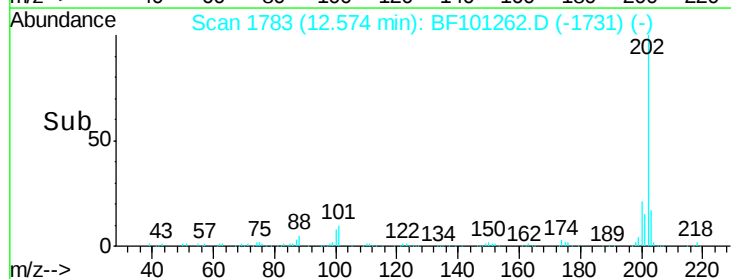
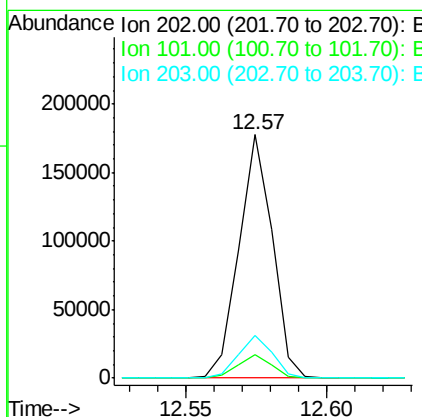
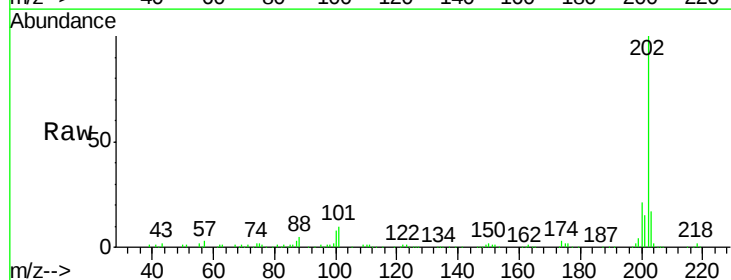
Instrument :
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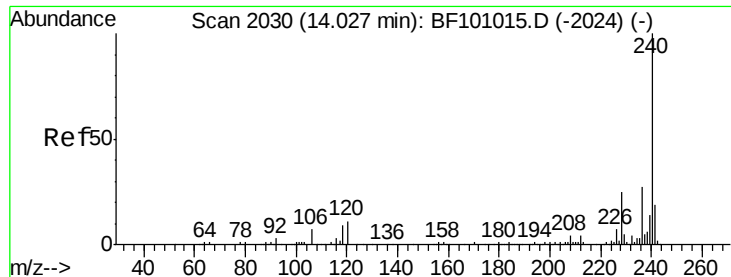
Tot Ion:178 Resp: 13929
 Ion Ratio Lower Upper
 178 100
 176 16.4 15.4 23.2
 179 17.8 12.6 19.0



#74
 Fluoranthene
 Concen: 23.827 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Tgt Ion:202 Resp: 146544
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 34.1
 203 17.4 0.0 38.1

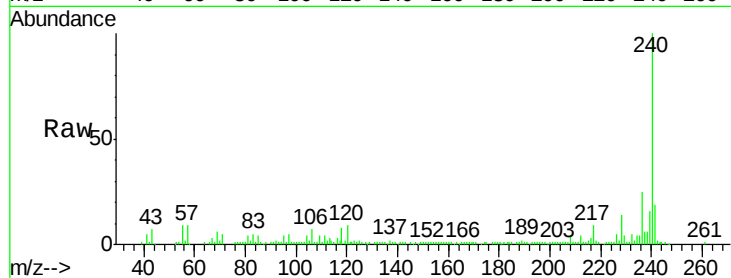




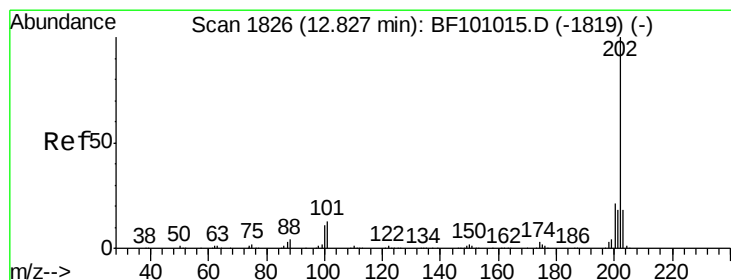
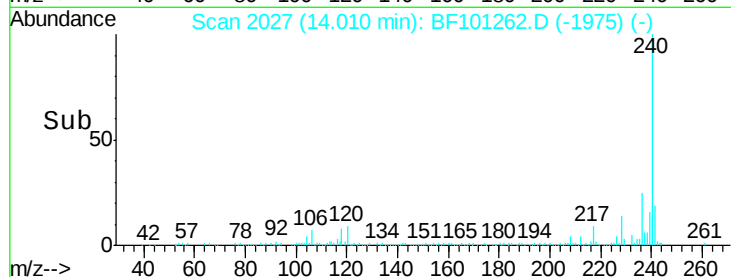
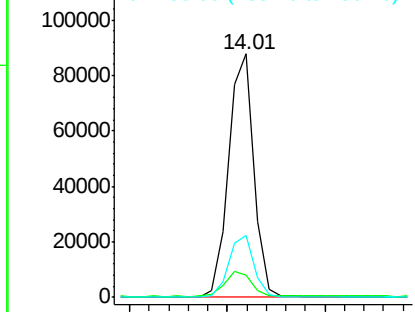
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Instrument :
BNA_F
ClientSampleId :
AREA-1-2-SAMPLE

Tot Ion:240 Resp: 78547
Ion Ratio Lower Upper
240 100
120 9.4 9.5 14.3#
236 25.2 20.7 31.1

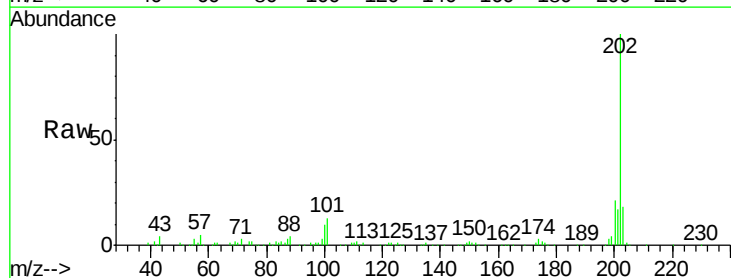


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

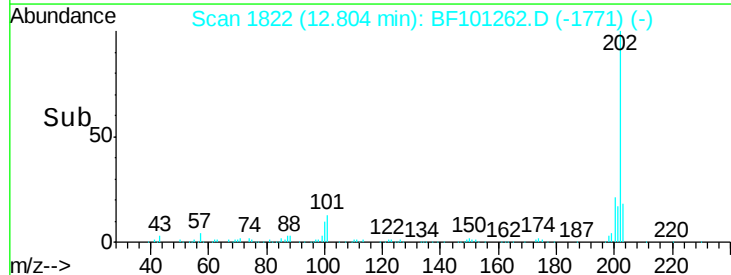
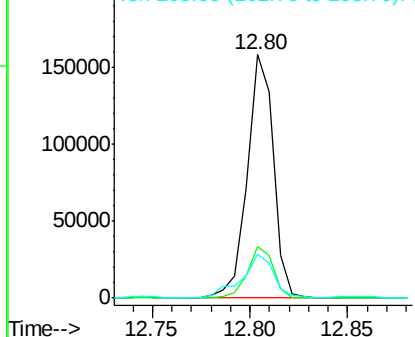


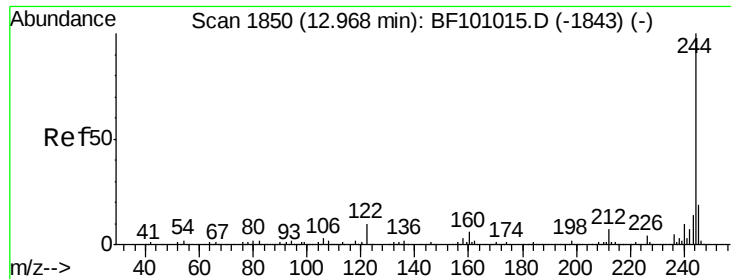
#77
Pyrene
Concen: 27.198 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:202 Resp: 147413
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.2 14.3 21.5



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





#78

Terphenyl-d14

Concen: 93.728 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

AREA-1-2-SAMPLE

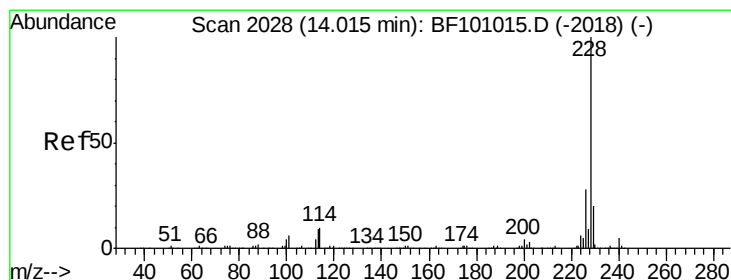
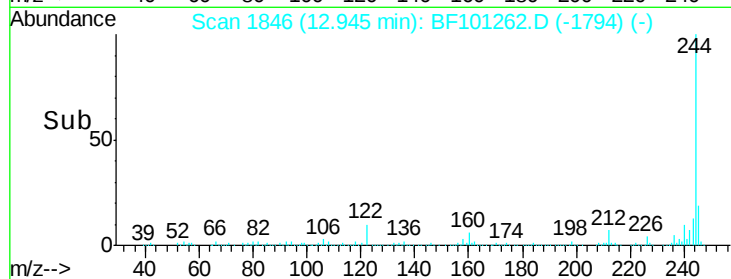
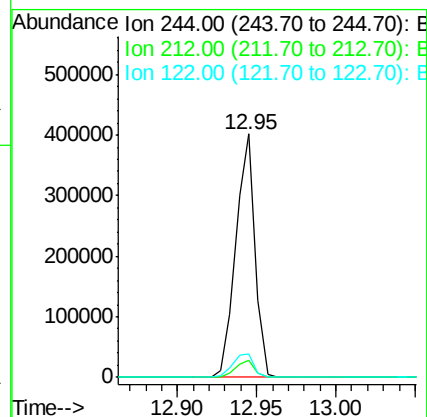
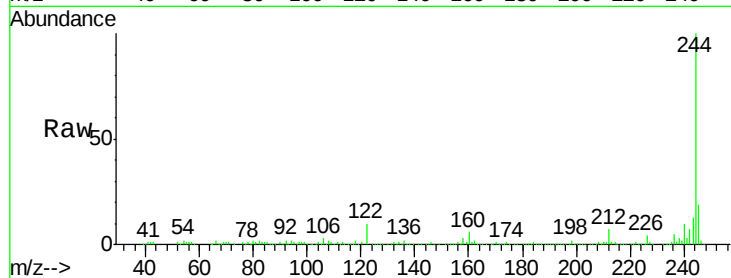
Tot Ion:244 Resp: 336587

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 9.5 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 16.655 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

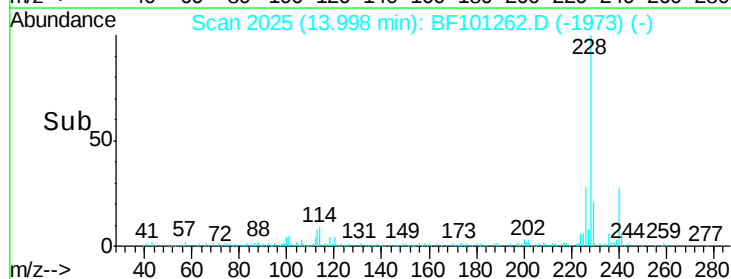
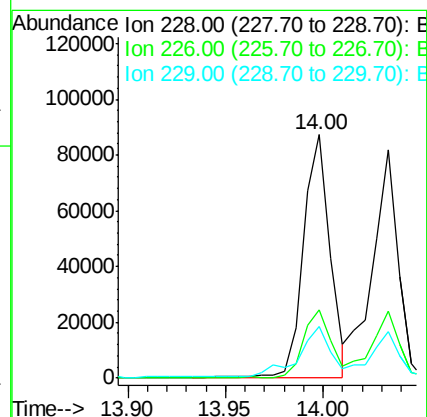
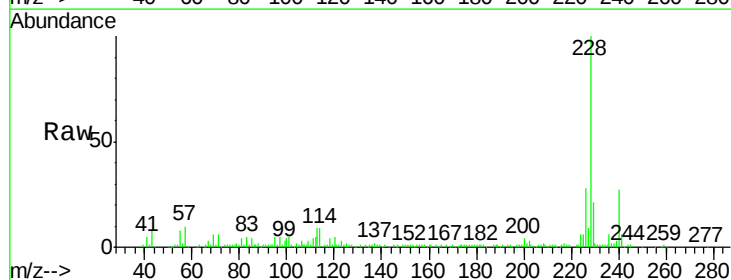
Tgt Ion:228 Resp: 82597

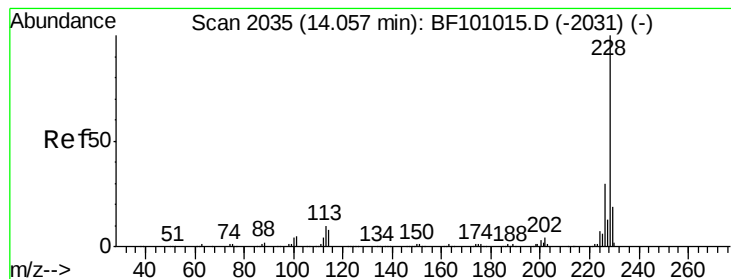
Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

229 21.4 15.8 23.6





#82

Chrysene

Concen: 16.553 ng m

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

AREA-1-2-SAMPLE

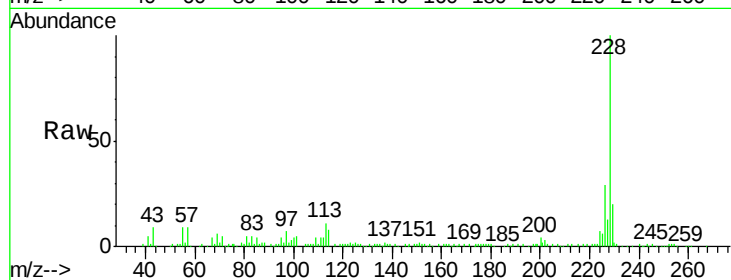
Tot Ion:228 Resp: 76240

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.6

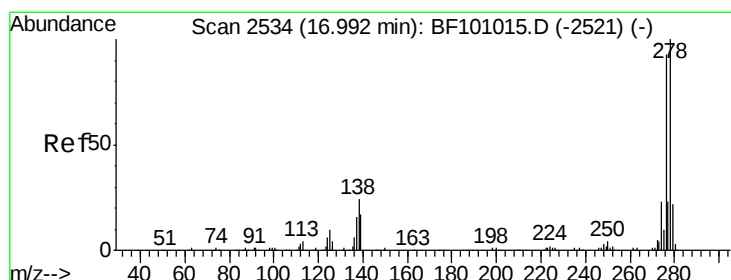
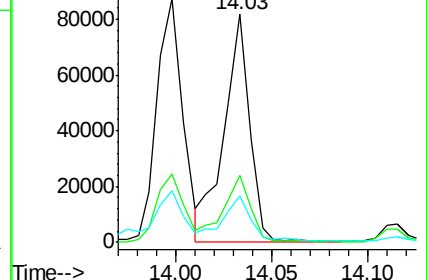
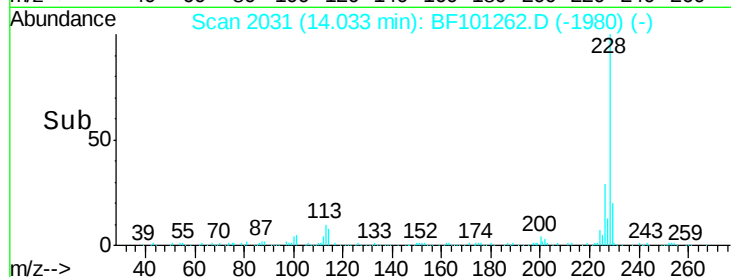
229 20.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.998 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.02 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

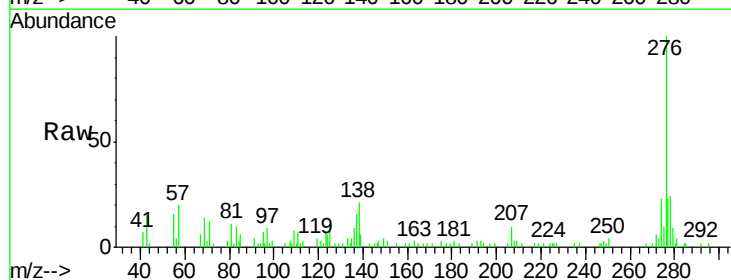
Tgt Ion:276 Resp: 32751

Ion Ratio Lower Upper

276 100

138 22.1 25.0 37.6#

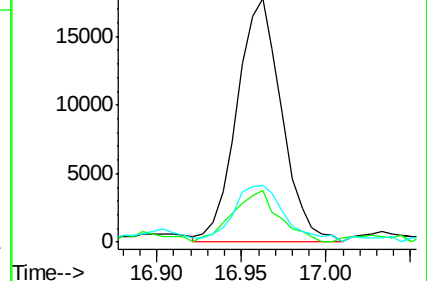
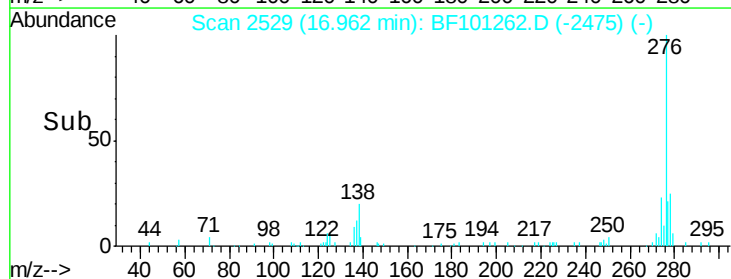
277 26.9 20.1 30.1

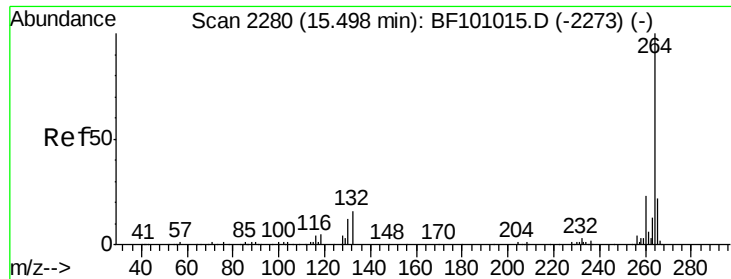


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

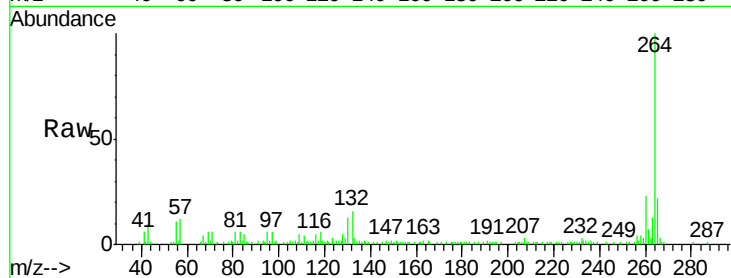




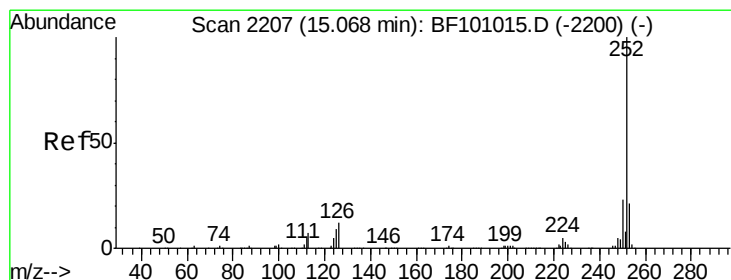
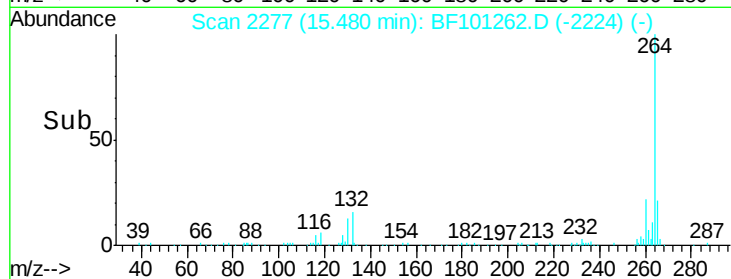
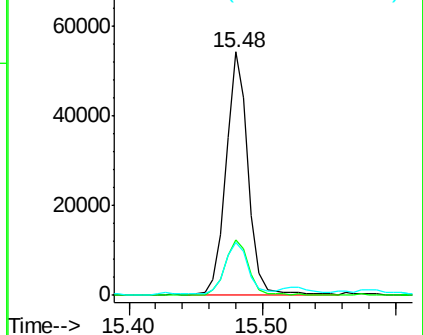
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Instrument :
BNA_F
ClientSampleId :
AREA-1-2-SAMPLE

Tot Ion:264 Resp: 63411
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.8 17.5 26.3

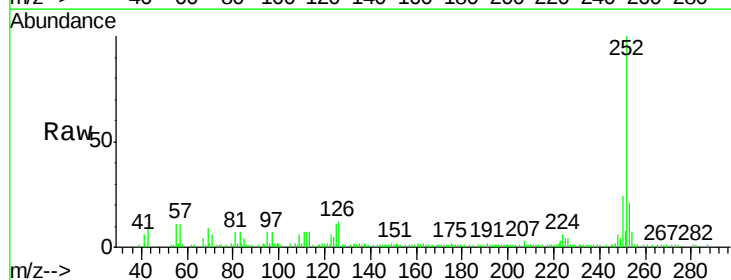


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

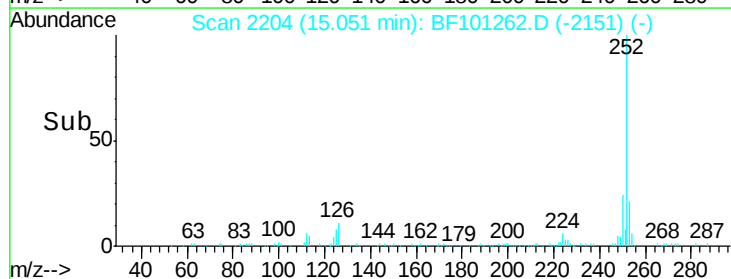
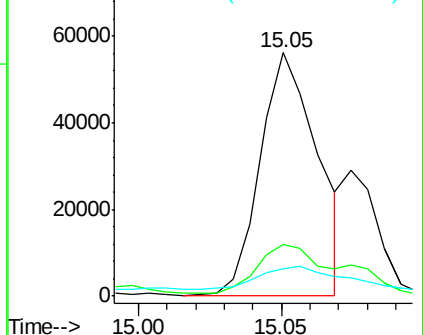


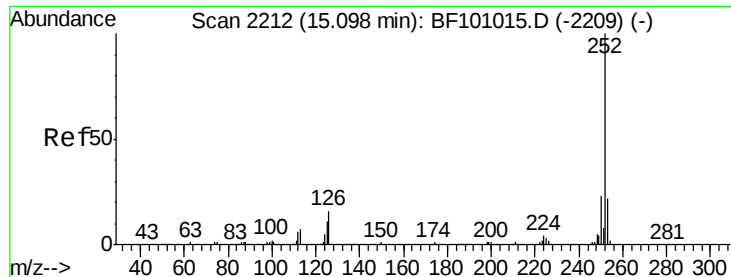
#87
Benzo(b)fluoranthene
Concen: 20.679 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:252 Resp: 78541
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 11.4 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





#88

Benzo(k)fluoranthene

Concen: 6.654 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

AREA-1-2-SAMPLE

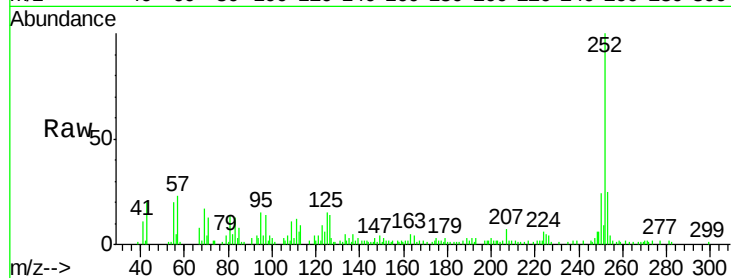
Tot Ion:252 Resp: 24901

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

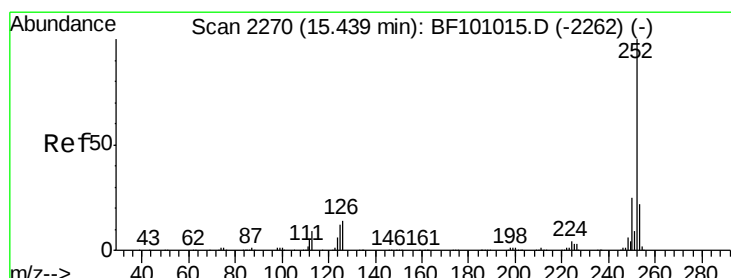
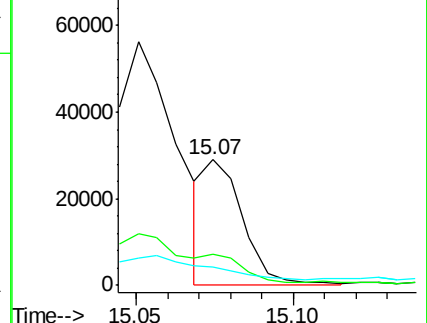
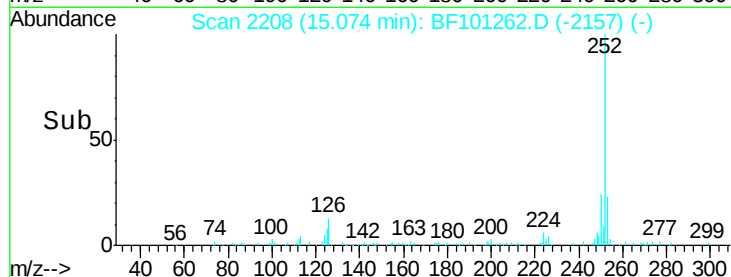
125 14.8 10.2 15.2



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(a)pyrene

Concen: 15.946 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

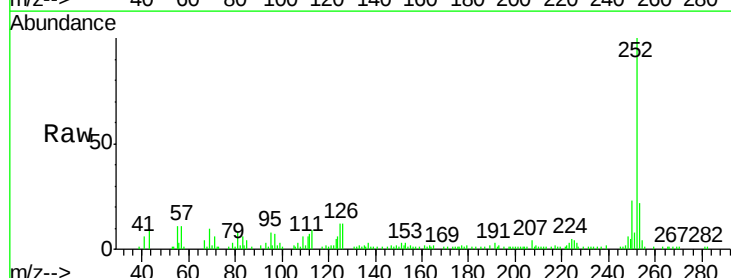
Tgt Ion:252 Resp: 55061

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

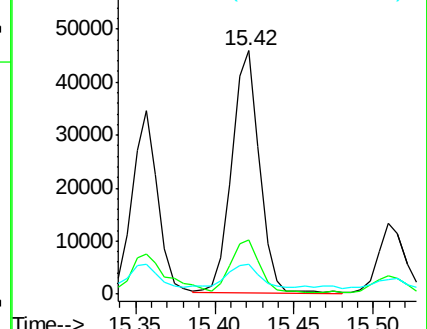
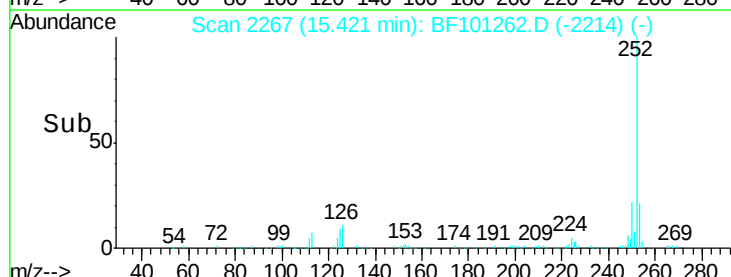
125 12.3 9.8 14.6

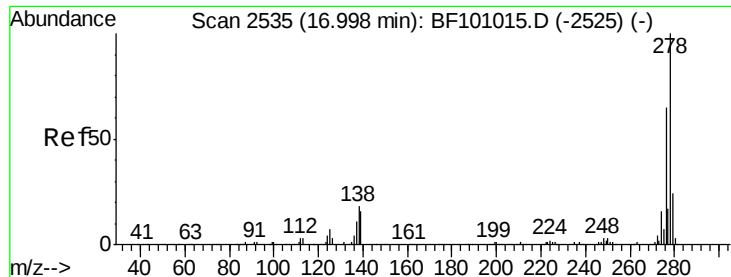


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.950 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

AREA-1-2-SAMPLE

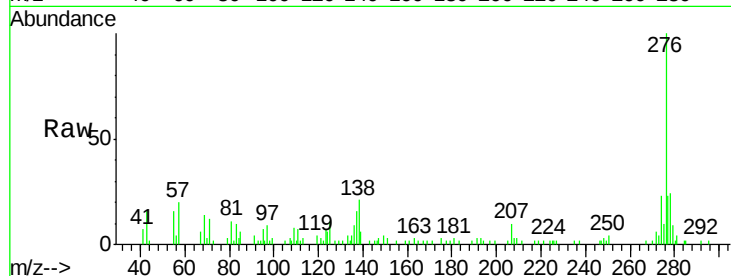
Tot Ion:278 Resp: 8981

Ion Ratio Lower Upper

278 100

139 24.5 15.9 23.9#

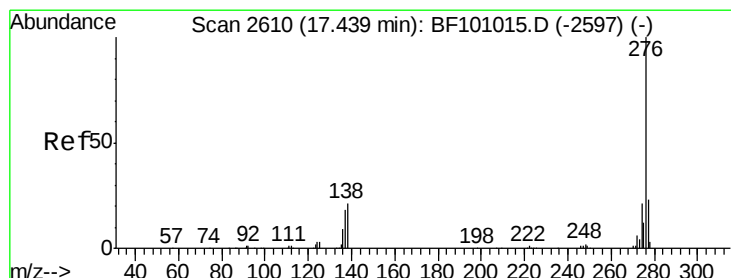
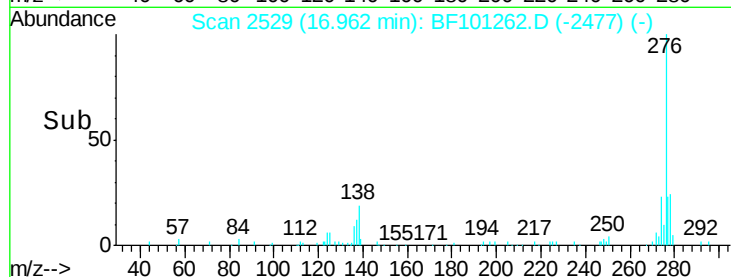
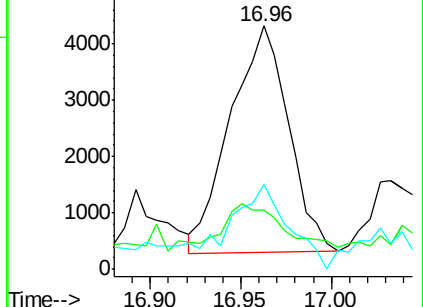
279 35.1 19.0 28.4#



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



#91

Benzo(g,h,i)perylene

Concen: 11.738 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.02 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

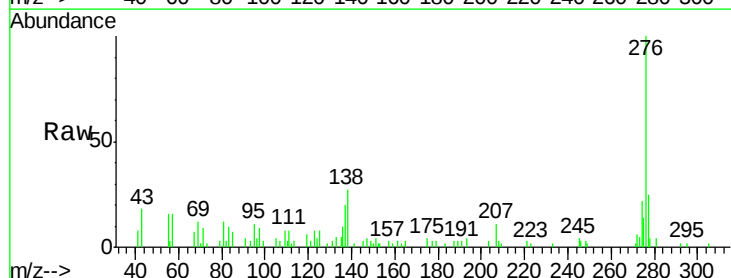
Tgt Ion:276 Resp: 33674

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 26.9 21.8 32.8



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

