

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101264.D
 Acq On : 9 Dec 2017 5:41
 Operator : SJ/JU
 Sample : I6791-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Dec 11 00:16:27 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

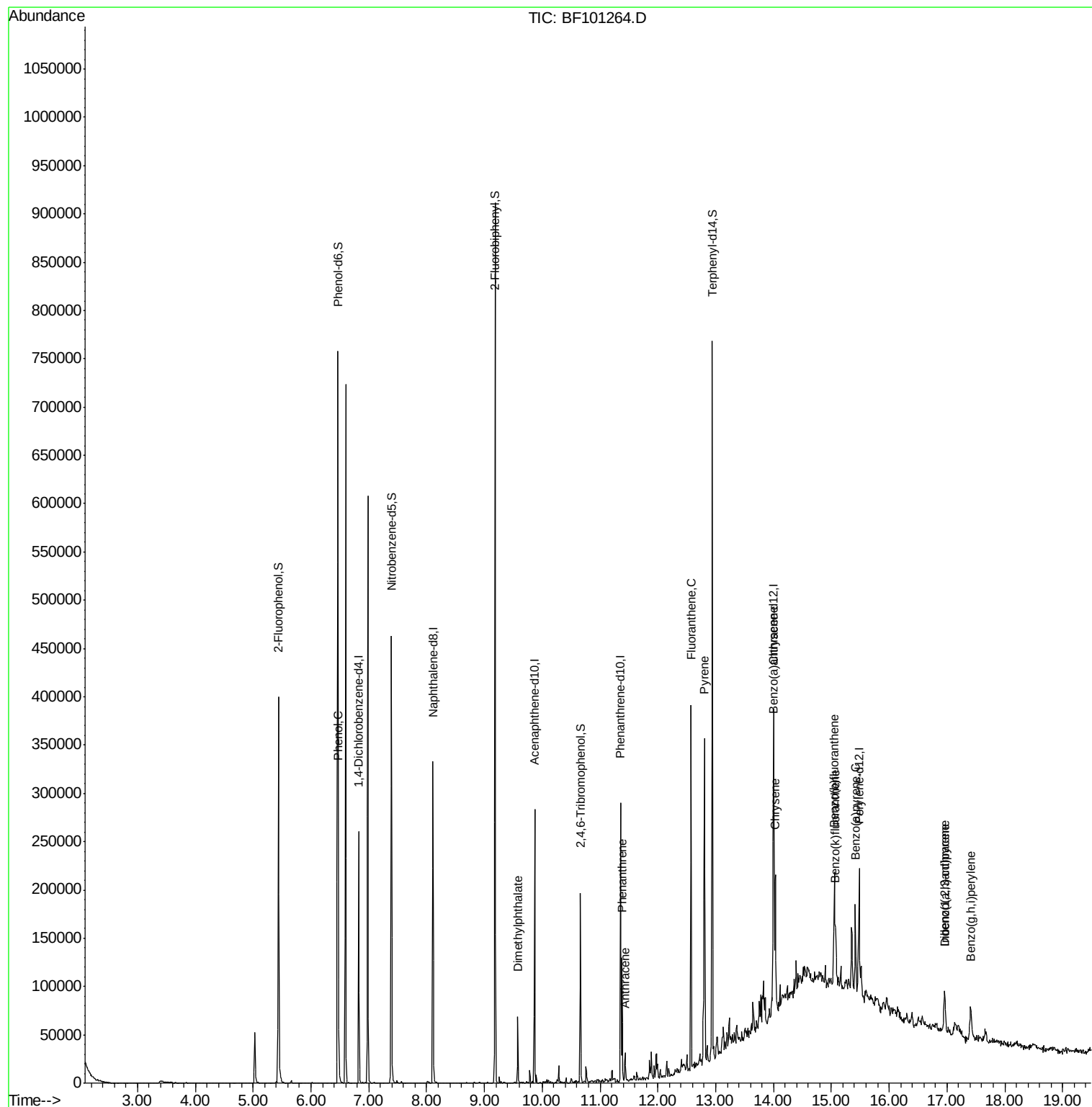
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	38998	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	140049	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	56276	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	96546	20.00	ng	0.00
75) Chrysene-d12	14.00	240	79240	20.00	ng	0.00
86) Perylene-d12	15.48	264	61014	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	115265	48.84	ng	0.00
7) Phenol-d6	6.46	99	234851	81.96	ng	0.00
23) Nitrobenzene-d5	7.39	82	127495	54.31	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	23295	34.46	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	288424	70.12	ng	0.00
78) Terphenyl-d14	12.94	244	250416	69.12	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.47	94	9418	2.956	ng	88
49) Dimethylphthalate	9.57	163	28972	6.384	ng	98
70) Phenanthrene	11.38	178	44394	8.350	ng	97
71) Anthracene	11.43	178	12061	2.241	ng	98
74) Fluoranthene	12.57	202	136636	23.184	ng	92
77) Pyrene	12.80	202	124566	22.782	ng	98
80) Benzo(a)anthracene	13.99	228	68316	13.655	ng	96
82) Chrysene	14.03	228	58531	12.597	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	26911	6.515	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	66839m	18.289	ng	
88) Benzo(k)fluoranthene	15.07	252	17270m	4.796	ng	
89) Benzo(a)pyrene	15.42	252	43889	13.210	ng	96
90) Dibenzo(a,h)anthracene	16.96	278	7421	2.534	ng	# 83
91) Benzo(a,h,i)perylene	17.41	276	26234	9.504	ng	# 91

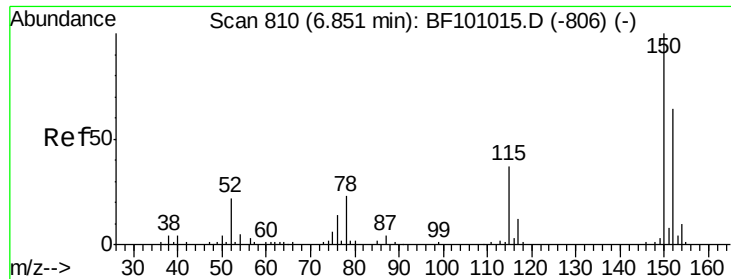
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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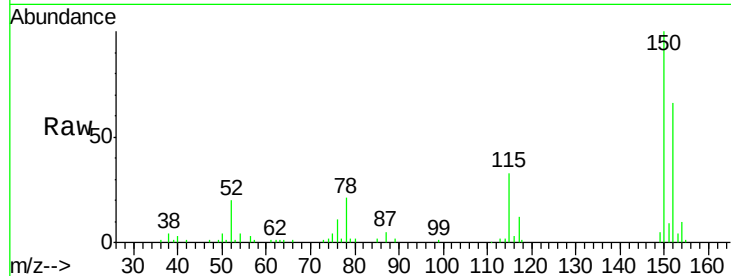


#1

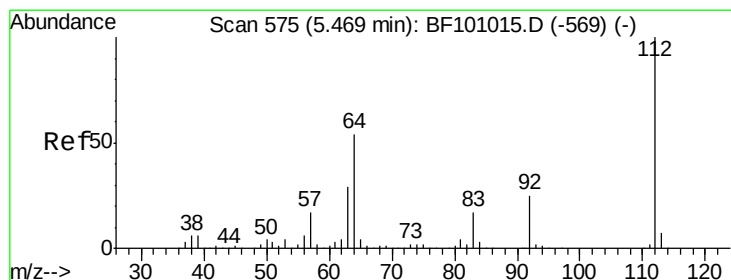
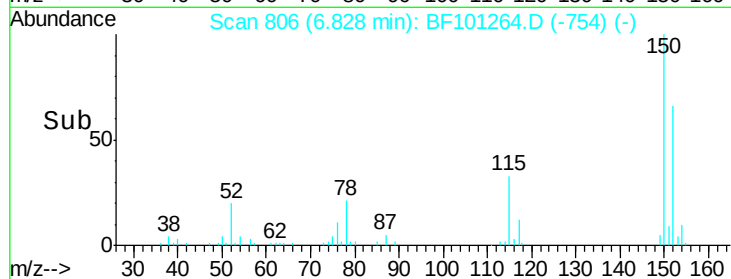
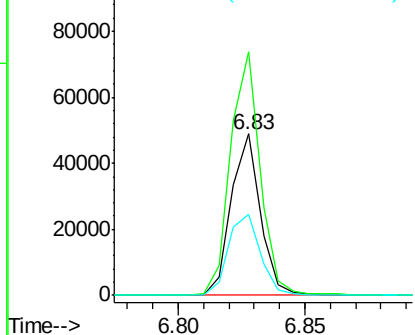
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	124.6	186.8
115	50.4	50.1	75.1



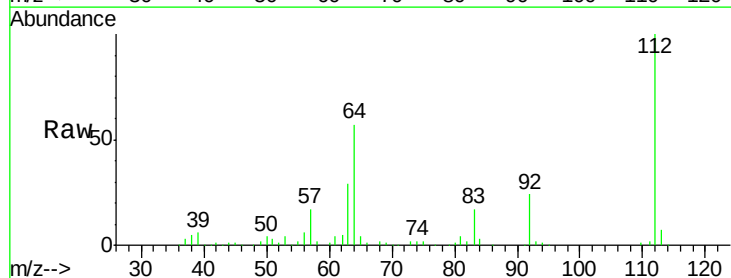
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



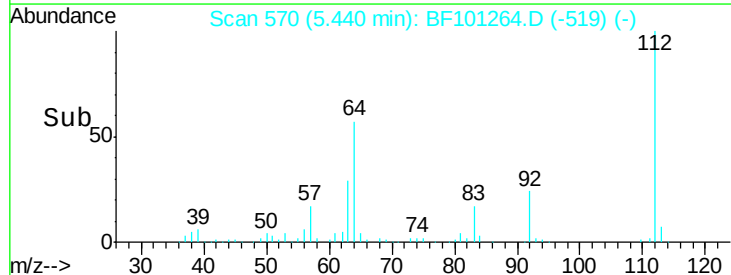
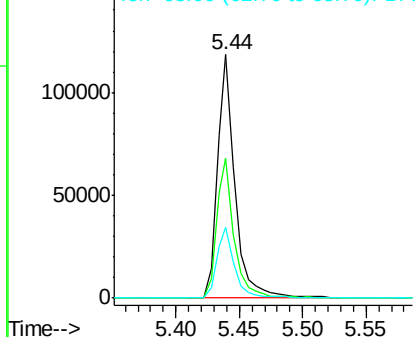
#5

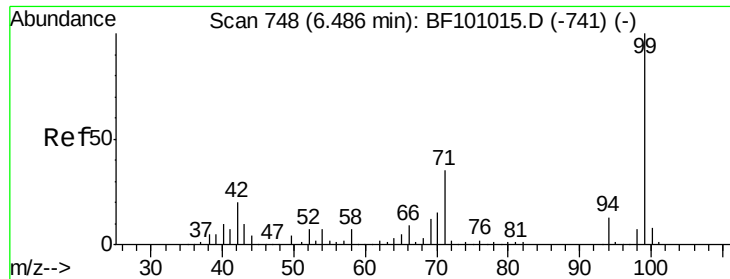
2-Fluorophenol
Concen: 48.841 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.9	71.9
63	29.1	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: 81.964 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

Instrument :

BNA_F

ClientSampleId :

AREA-2-2-SAMPLE

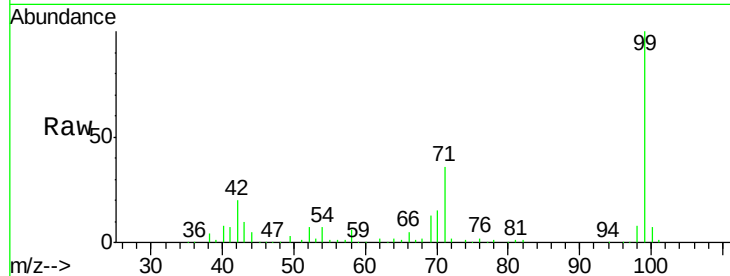
Tot Ion: 99 Resp: 234851

Ion Ratio Lower Upper

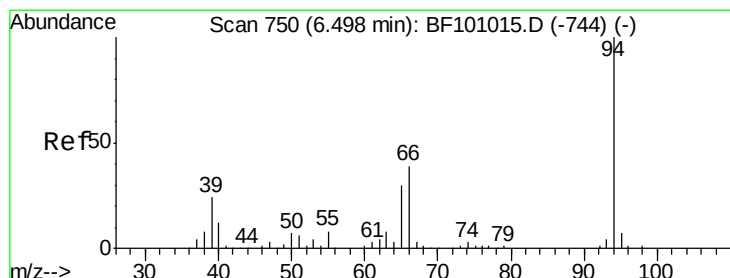
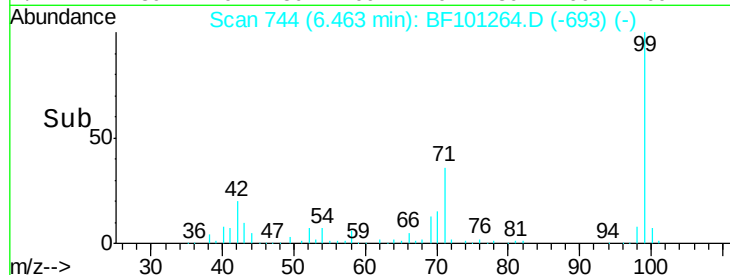
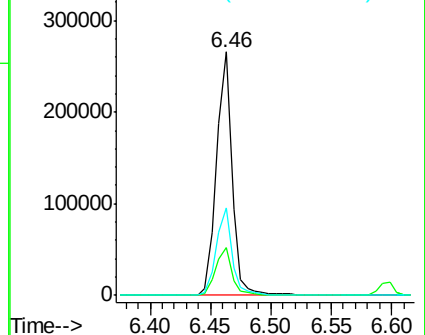
99 100

42 19.7 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: 2.956 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

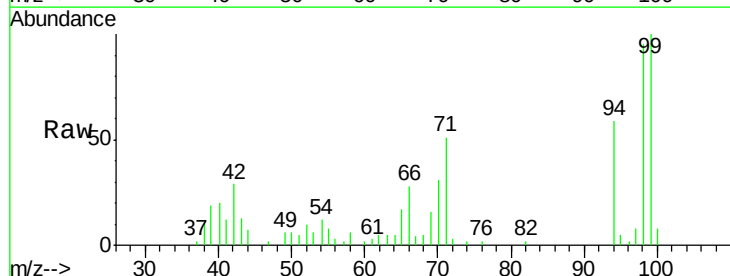
Tgt Ion: 94 Resp: 9418

Ion Ratio Lower Upper

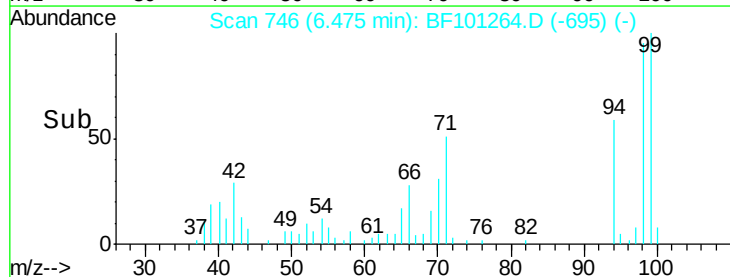
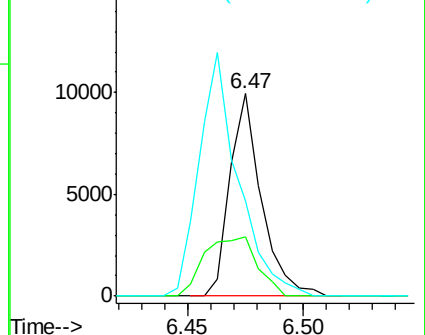
94 100

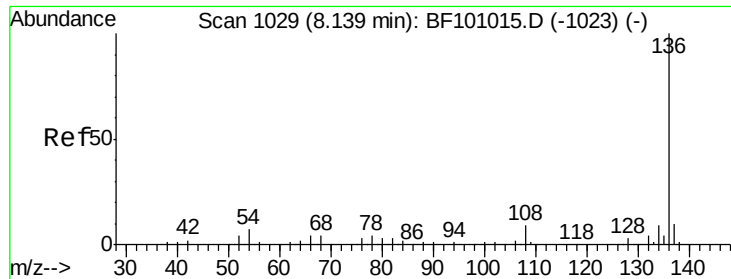
65 29.6 7.9 47.9

66 47.1 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

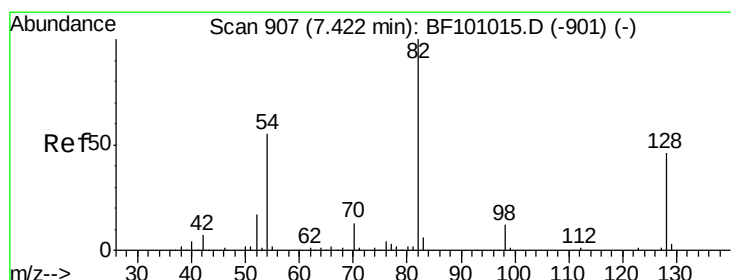
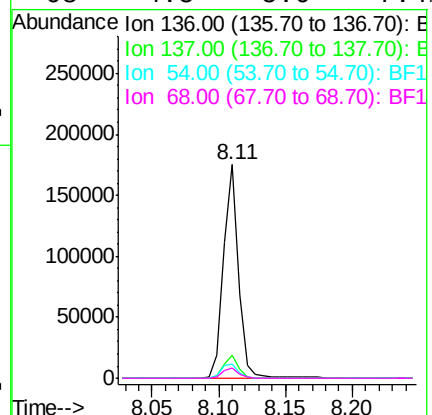
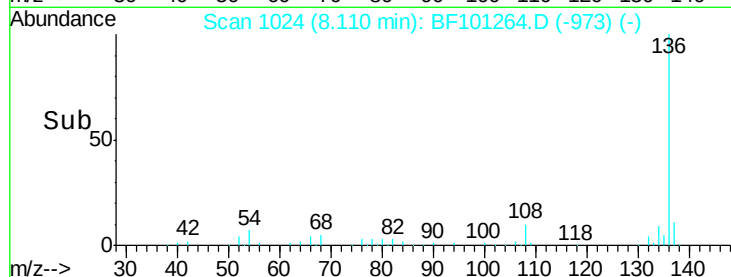
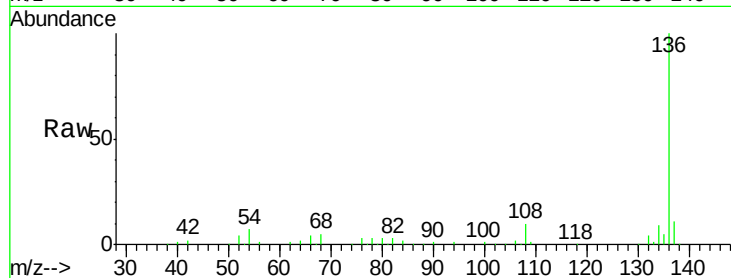




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

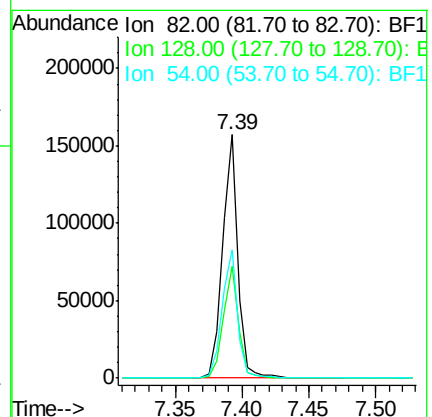
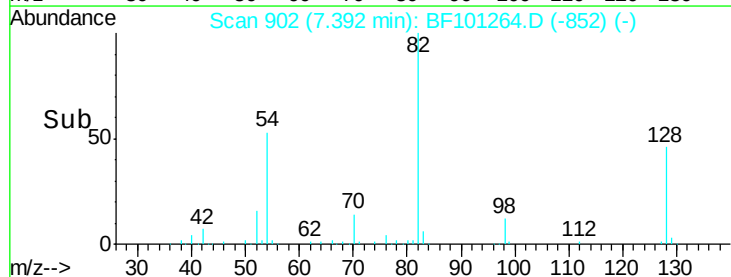
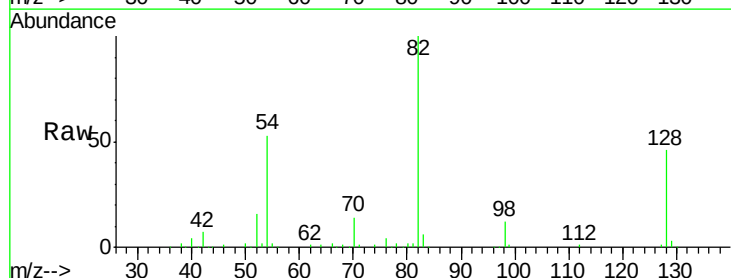
Instrument :
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ClientSampleId :
AREA-2-2-SAMPLE

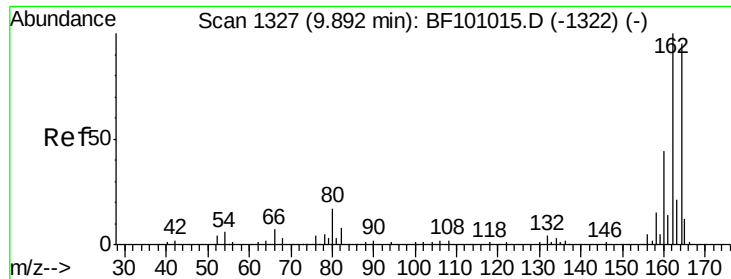
Tot Ion:136	Resp:	140049
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.9	6.6 9.8
68	4.5	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 54.306 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

Tgt Ion: 82	Resp:	127495
Ion Ratio	Lower	Upper
82	100	
128	46.1	36.1 54.1
54	52.6	41.4 62.2

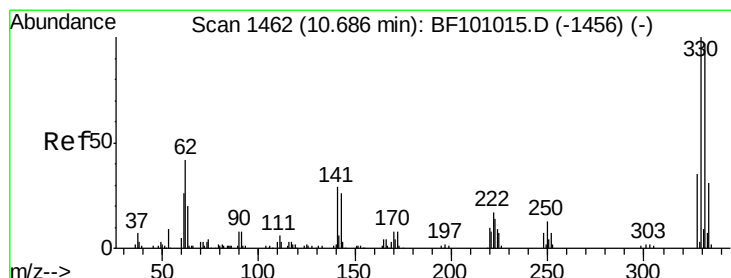
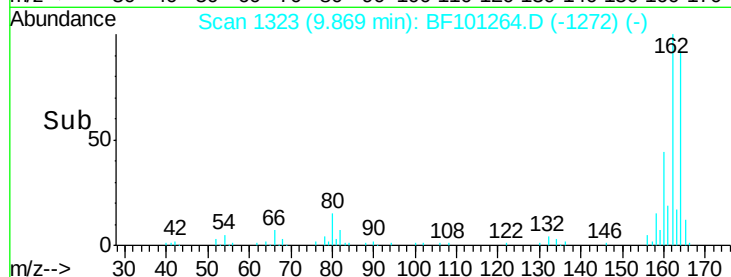
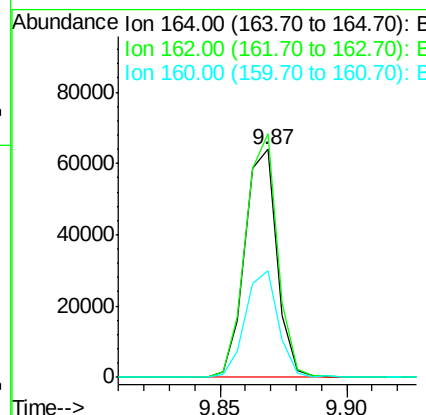
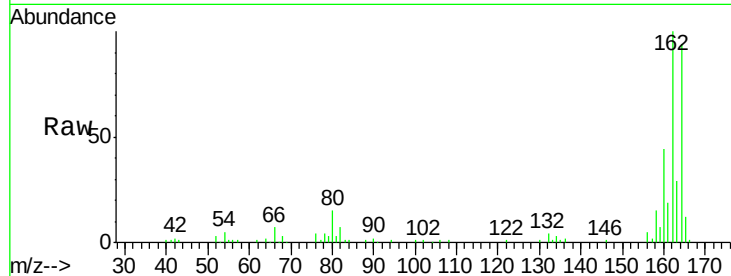




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF101264.D
 Acq: 9 Dec 2017 5:41

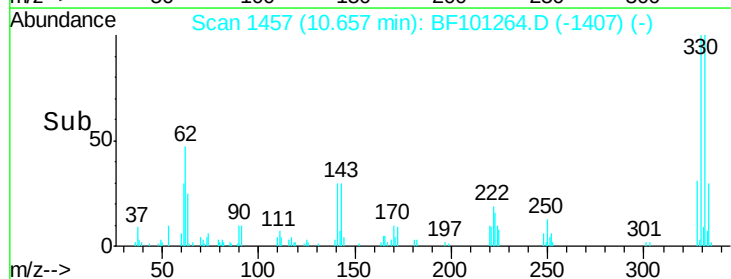
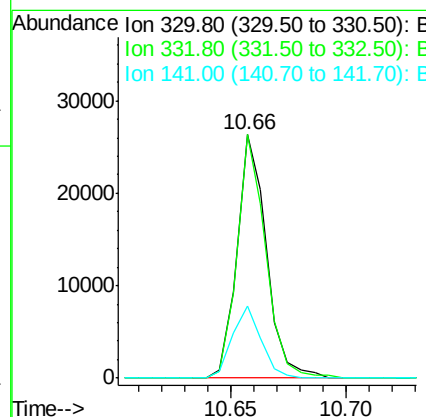
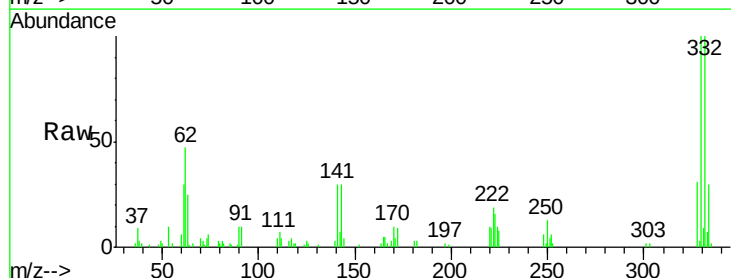
Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-2-SAMPLE

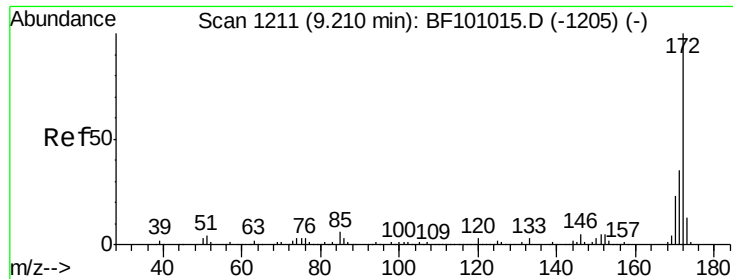
Tot Ion:164 Resp: 56276
 Ion Ratio Lower Upper
 164 100
 162 106.8 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 34.458 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101264.D
 Acq: 9 Dec 2017 5:41

Tgt Ion:330 Resp: 23295
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 29.0 29.9 44.9#

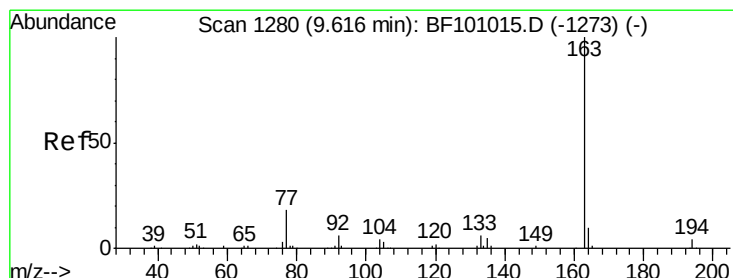
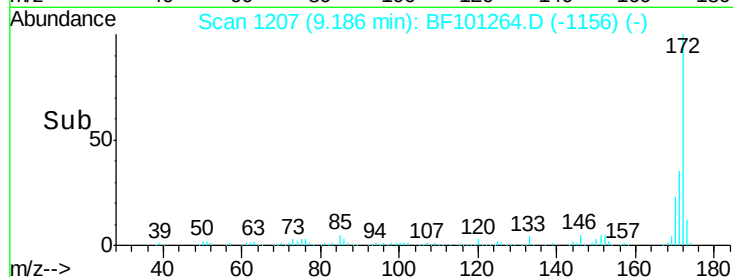
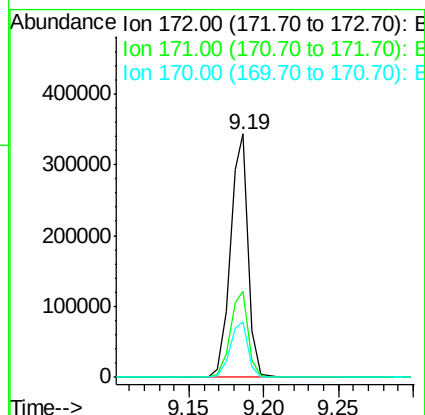
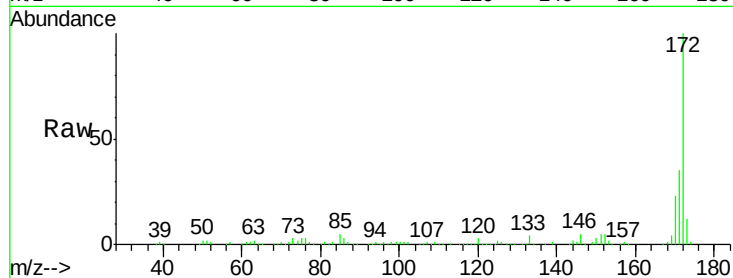




#44
2-Fluorobiphenyl
Concen: 70.123 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

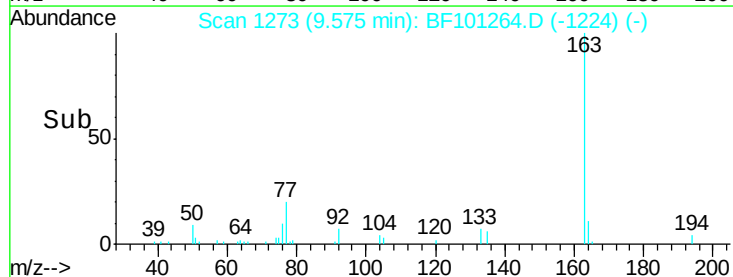
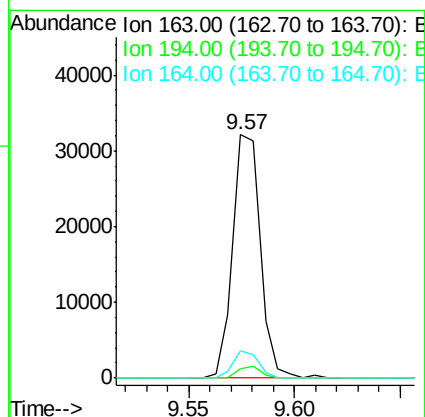
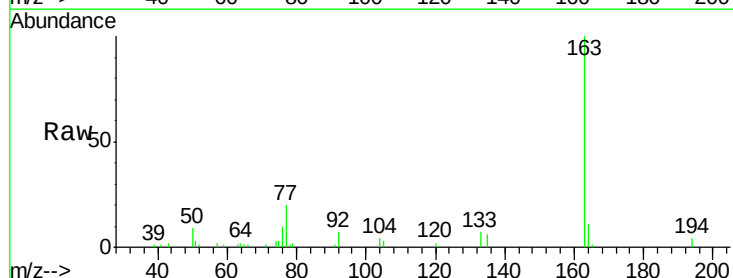
Instrument :
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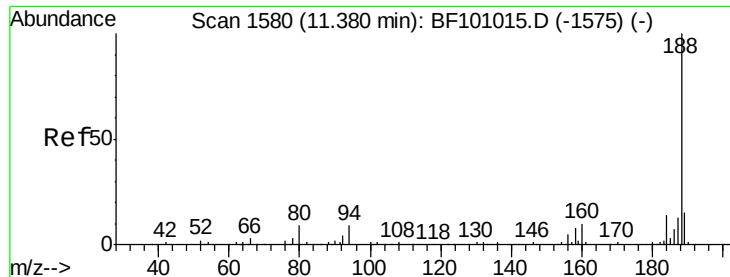
Tot Ion:172 Resp: 288424
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 22.6 19.6 29.4



#49
Dimethylphthalate
Concen: 6.384 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

Tgt Ion:163 Resp: 28972
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.1 8.2 12.2

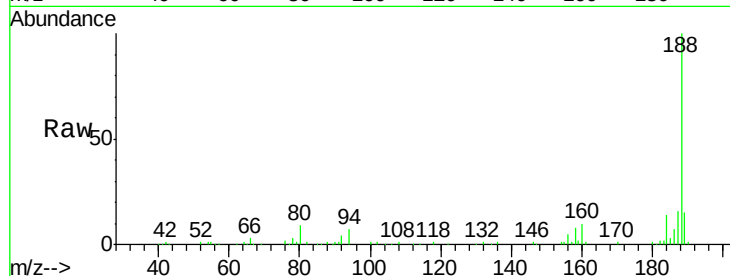




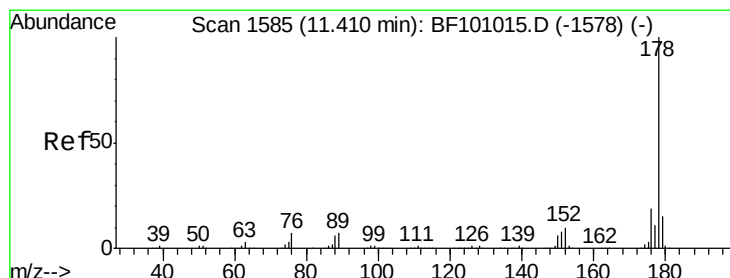
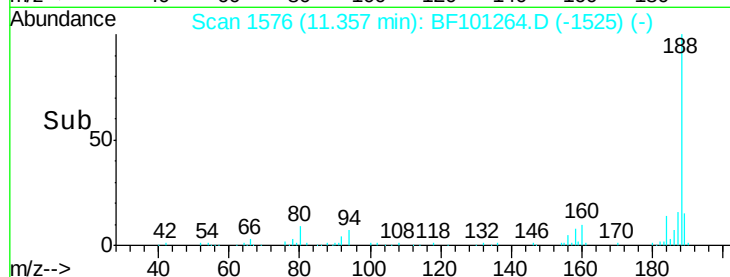
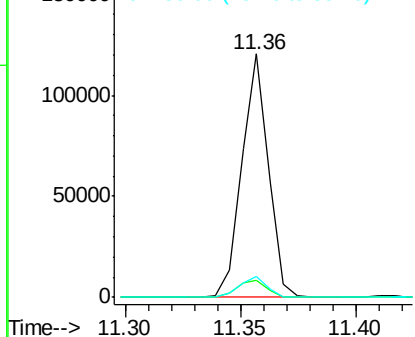
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

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

Tot Ion:188 Resp: 96546
Ion Ratio Lower Upper
188 100
94 6.9 8.5 12.7#
80 8.8 9.2 13.8#

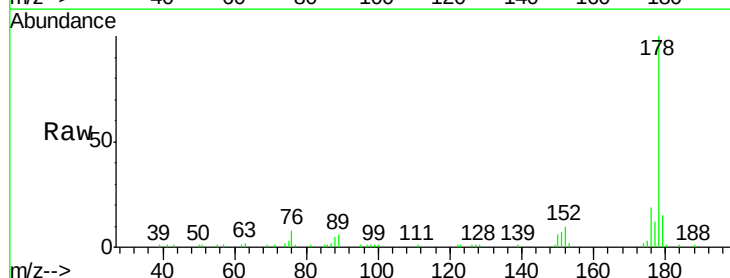


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

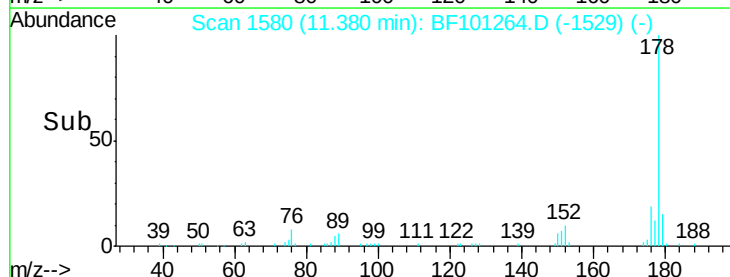
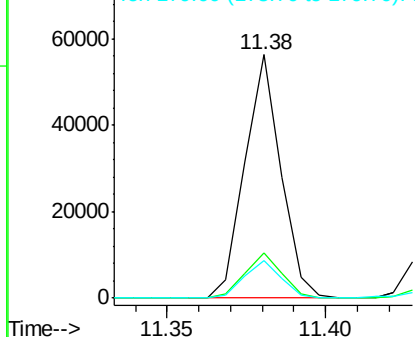


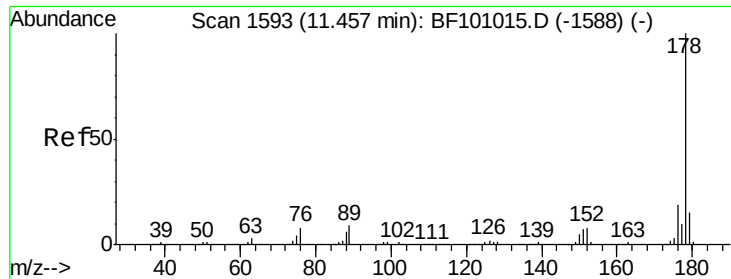
#70
Phenanthrene
Concen: 8.350 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

Tgt Ion:178 Resp: 44394
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.3 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

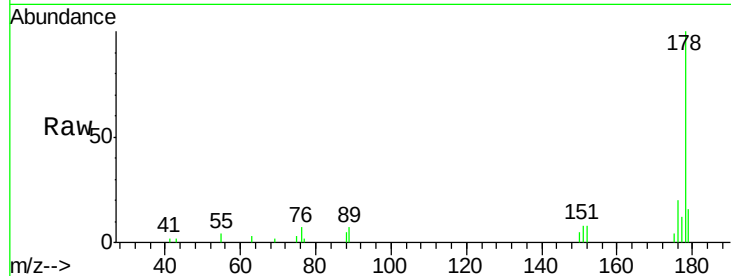




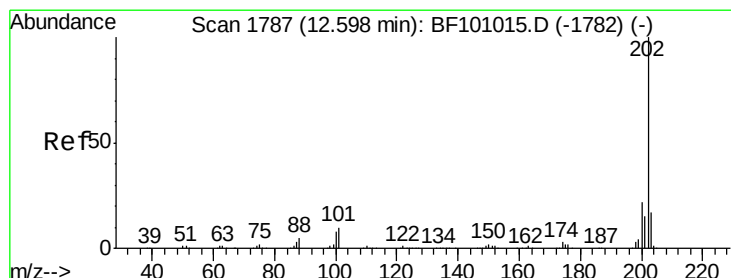
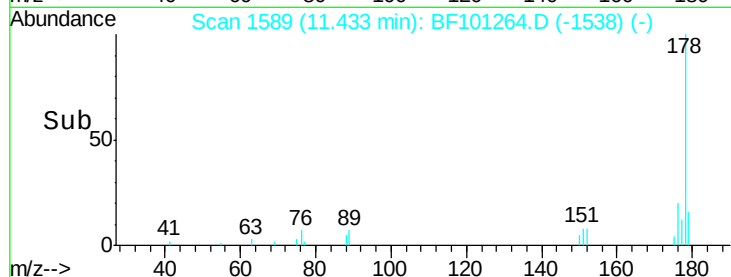
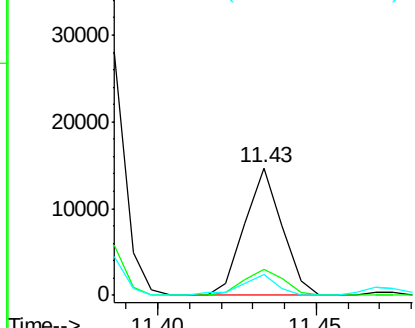
#71
 Anthracene
 Concen: 2.241 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101264.D
 Acq: 9 Dec 2017 5:41

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

Tot Ion:178 Resp: 12061
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.2
 179 16.3 12.6 19.0

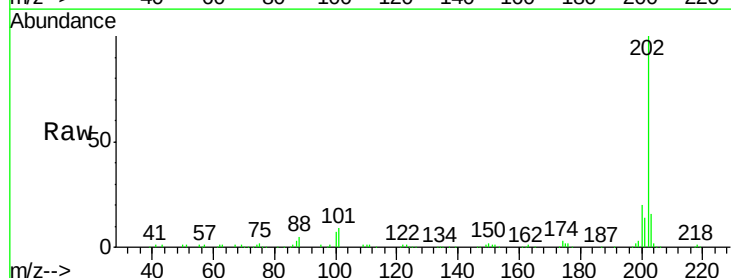


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

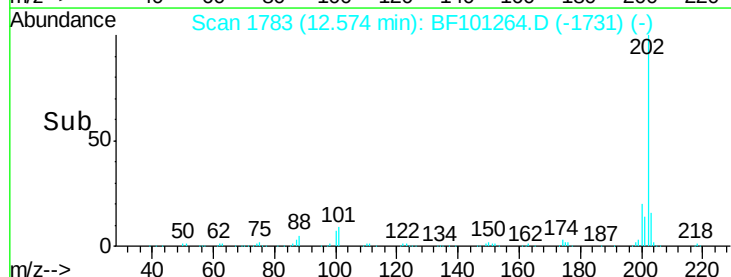
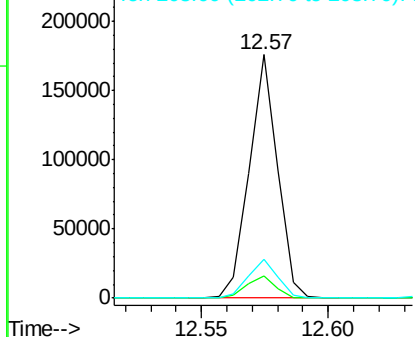


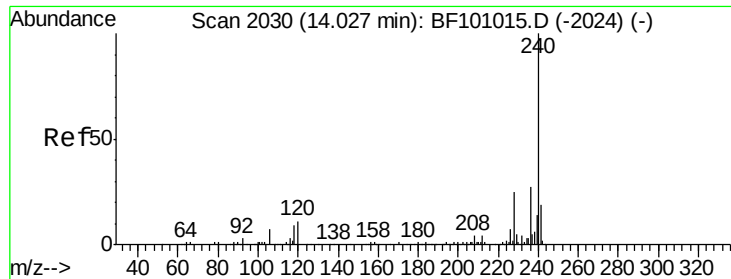
#74
 Fluoranthene
 Concen: 23.184 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101264.D
 Acq: 9 Dec 2017 5:41

Tgt Ion:202 Resp: 136636
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 34.1
 203 16.2 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

Instrument :

BNA_F

ClientSampleId :

AREA-2-2-SAMPLE

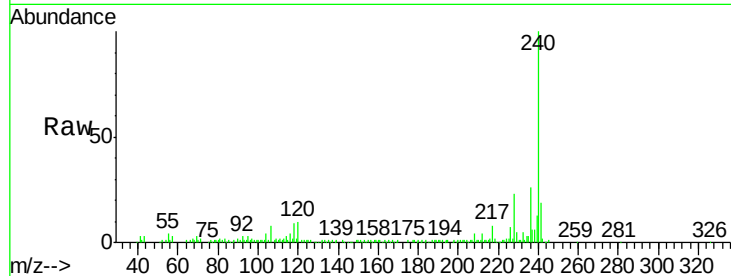
Tot Ion:240 Resp: 79240

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

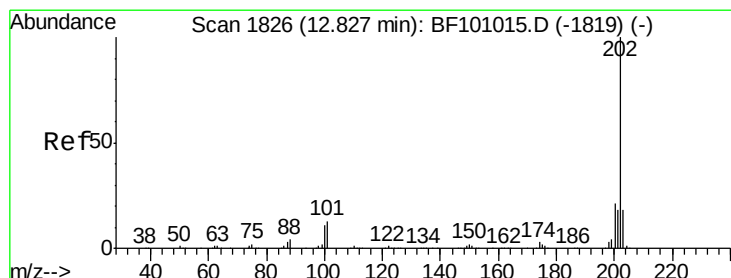
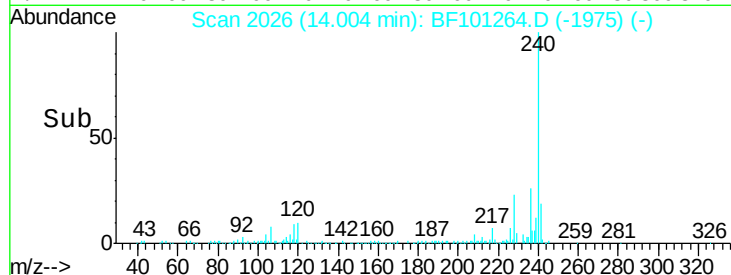
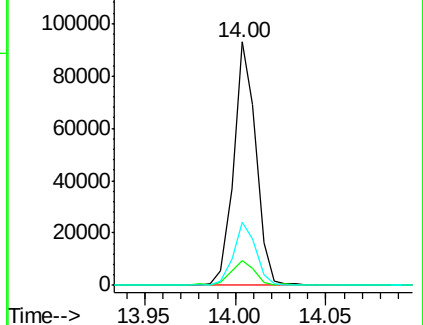
236 25.9 20.7 31.1



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: 22.782 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

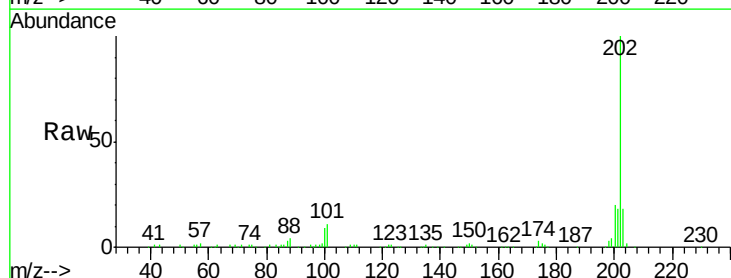
Tgt Ion:202 Resp: 124566

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

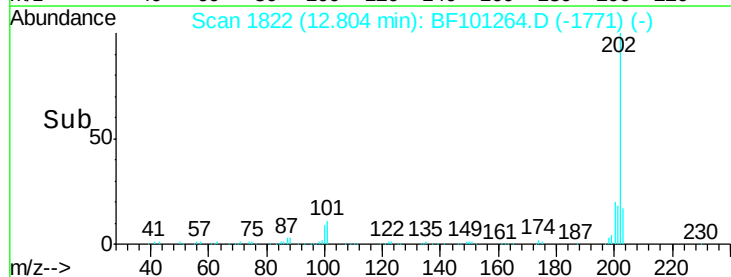
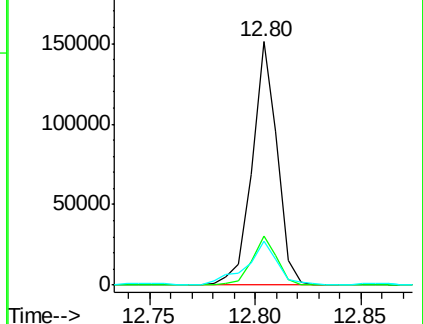
203 17.8 14.3 21.5

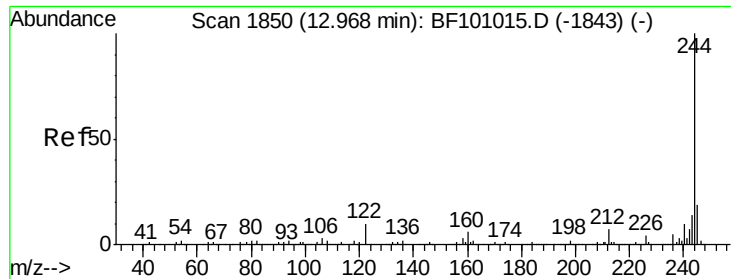


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

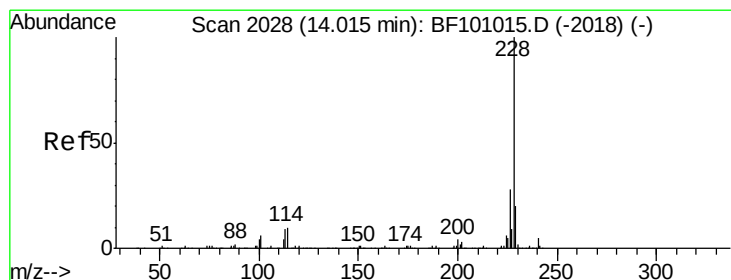
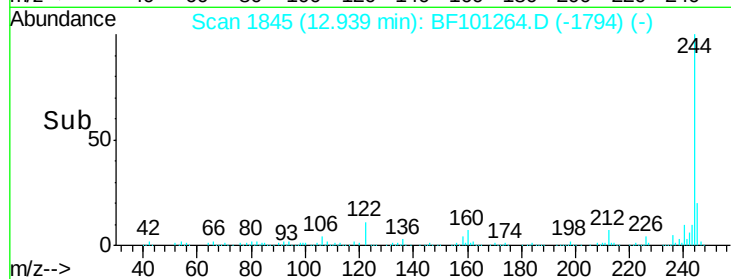
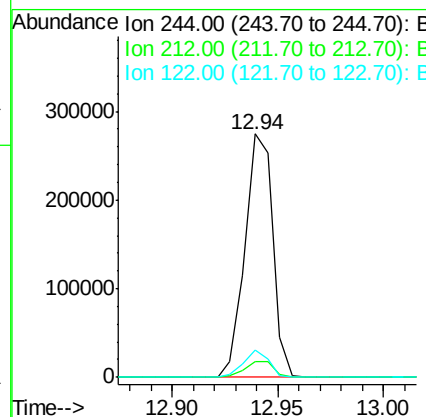
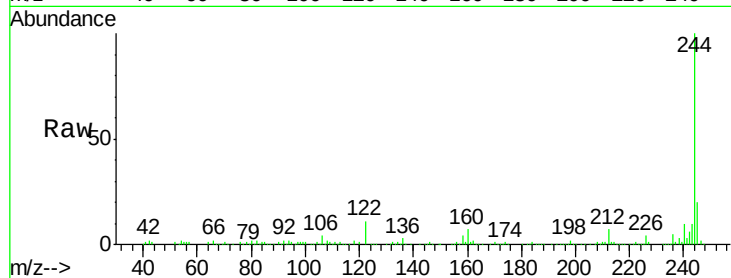




#78
 Terphenyl-d14
 Concen: 69.122 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101264.D
 Acq: 9 Dec 2017 5:41

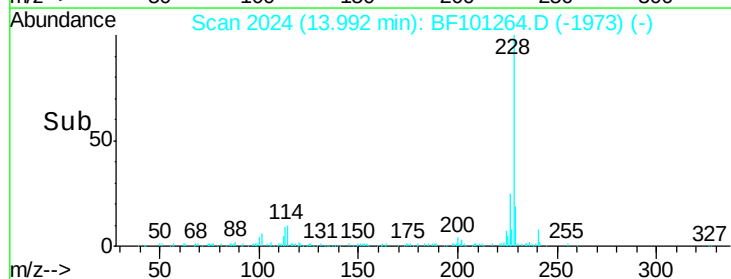
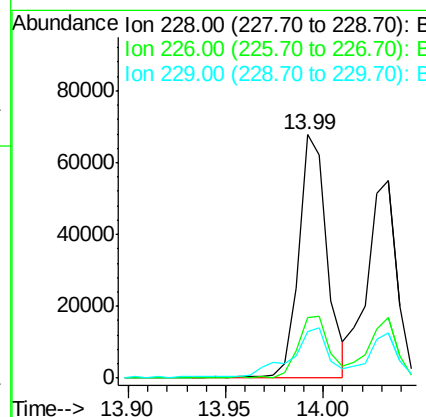
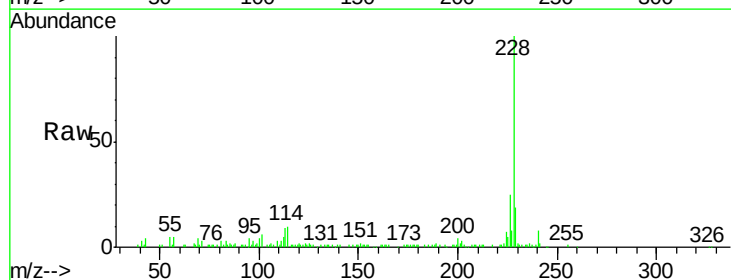
Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-2-SAMPLE

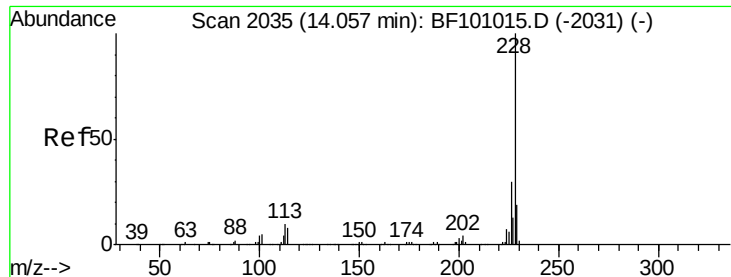
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.1	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 13.655 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF101264.D
 Acq: 9 Dec 2017 5:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.9	22.6	33.8
229	18.9	15.8	23.6





#82

Chrysene

Concen: 12.597 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

Instrument :

BNA_F

ClientSampleId :

AREA-2-2-SAMPLE

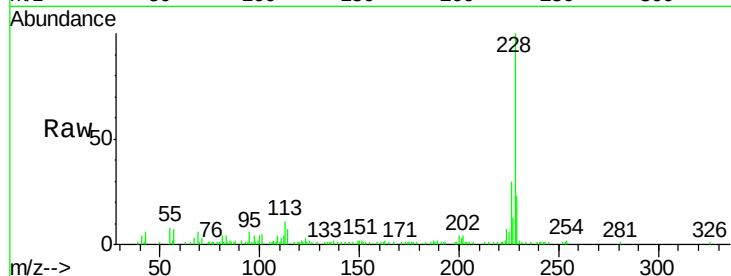
Tot Ion:228 Resp: 58531

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

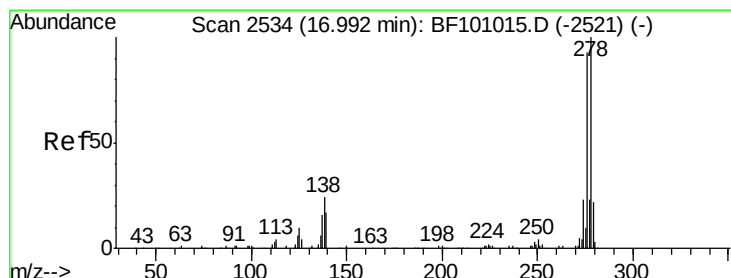
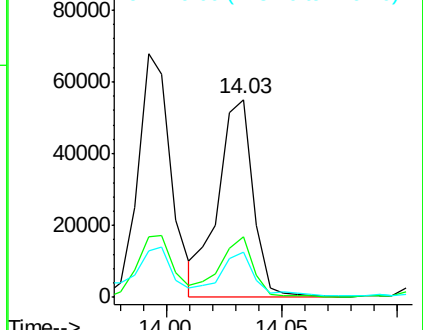
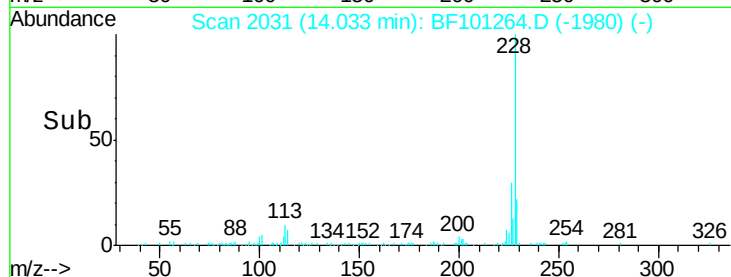
229 22.9 16.2 24.4



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: 6.515 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

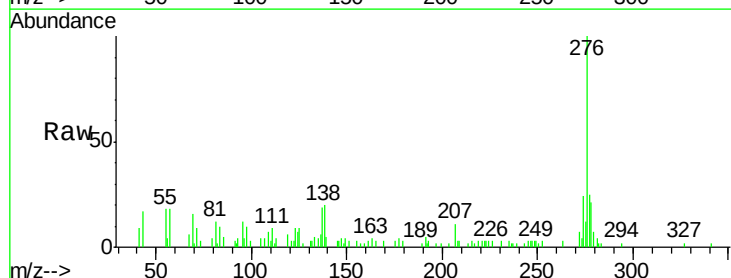
Tgt Ion:276 Resp: 26911

Ion Ratio Lower Upper

276 100

138 22.2 25.0 37.6#

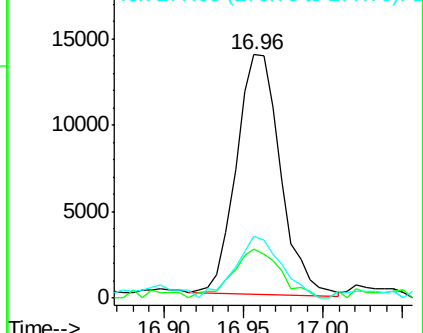
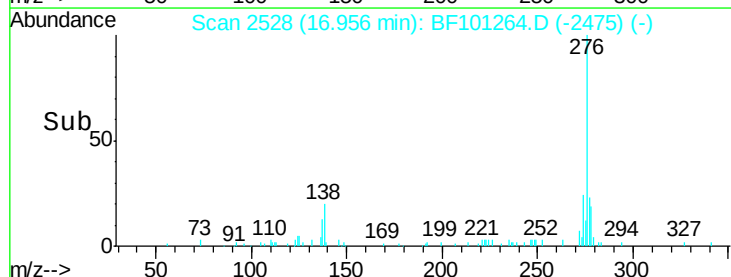
277 26.5 20.1 30.1

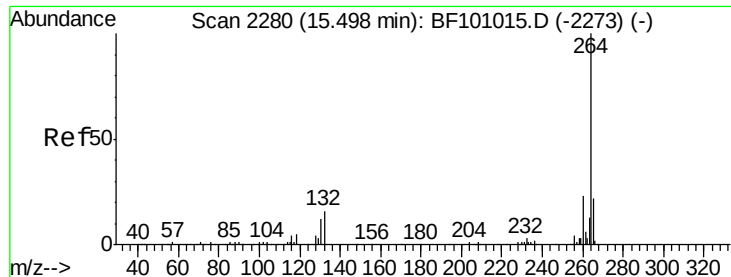


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

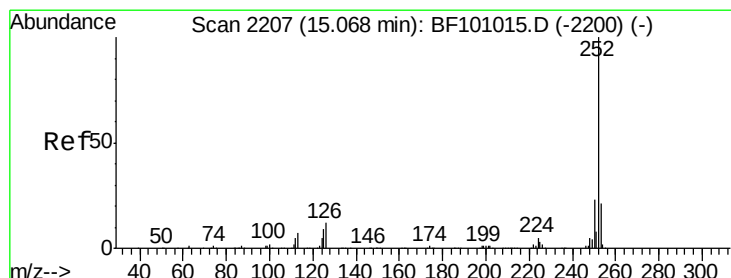
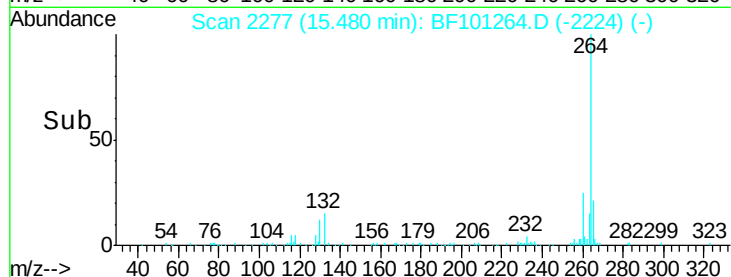
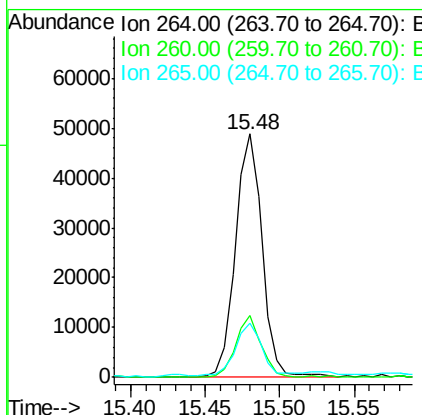
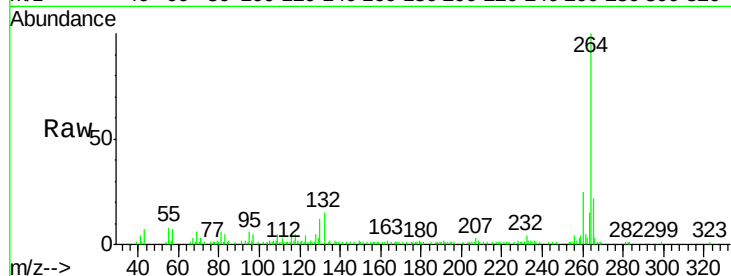




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

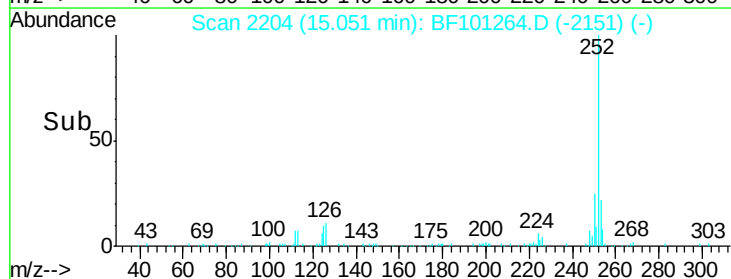
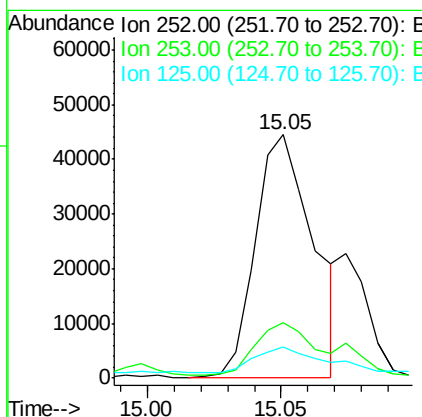
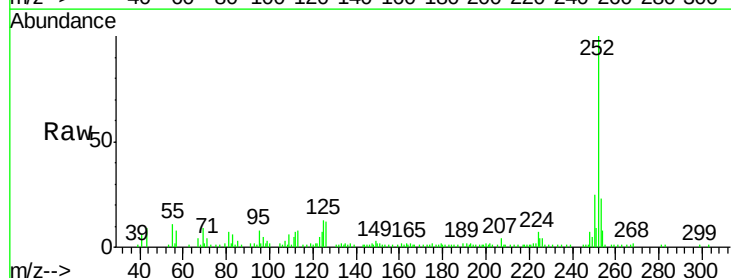
Instrument :
BNA_F
ClientSampleId :
AREA-2-2-SAMPLE

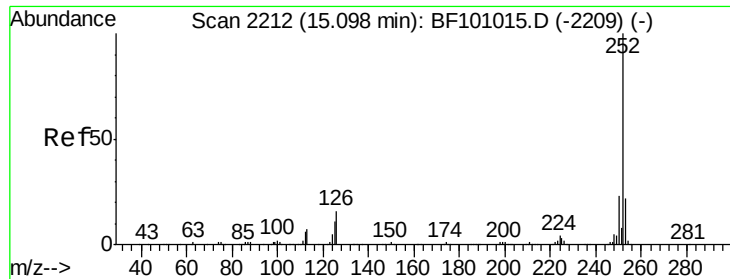
Tot Ion:264 Resp: 61014
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 22.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 18.289 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

Tgt Ion:252 Resp: 66839
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 12.7 9.0 13.6

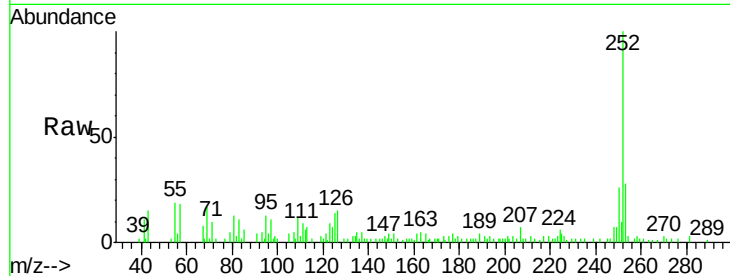




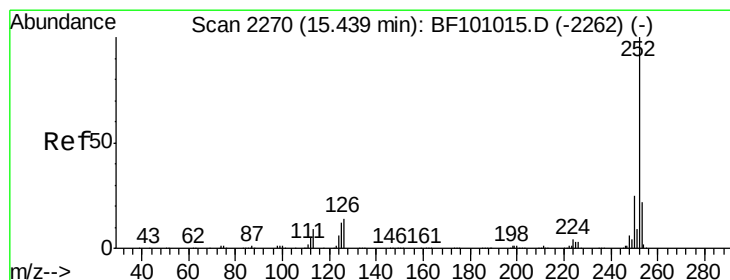
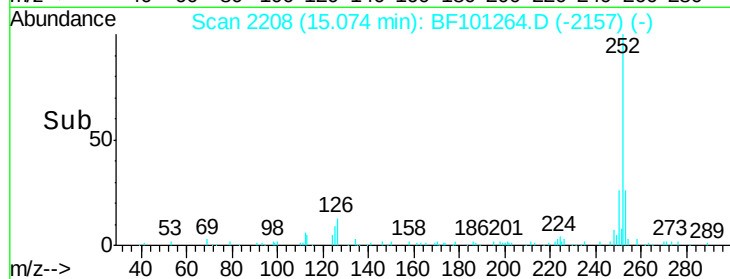
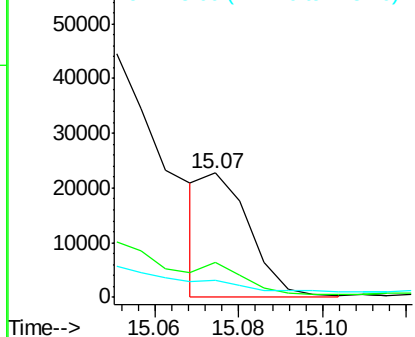
#88
Benzo(k)fluoranthene
Concen: 4.796 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

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

Tot Ion:252 Resp: 17270
Ion Ratio Lower Upper
252 100
253 27.8 17.9 26.9#
125 14.2 10.2 15.2

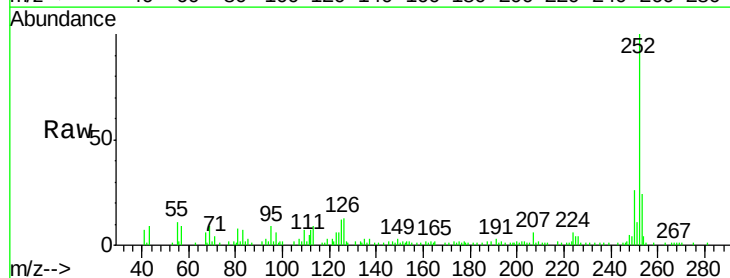


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

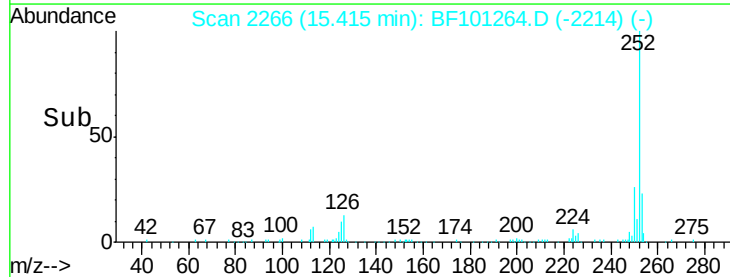
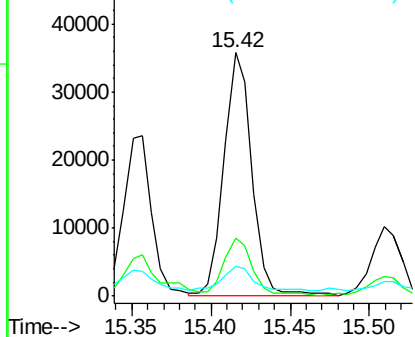


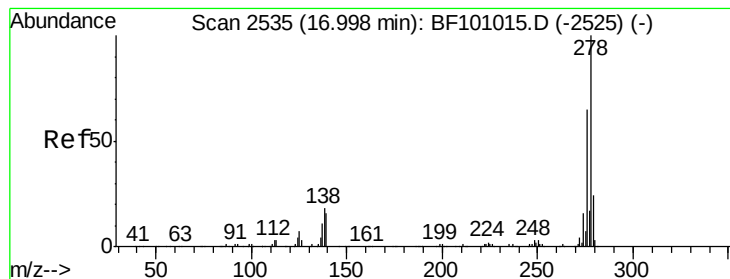
#89
Benzo(a)pyrene
Concen: 13.210 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF101264.D
Acq: 9 Dec 2017 5:41

Tgt Ion:252 Resp: 43889
Ion Ratio Lower Upper
252 100
253 24.0 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: 2.534 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

Instrument :

BNA_F

ClientSampleId :

AREA-2-2-SAMPLE

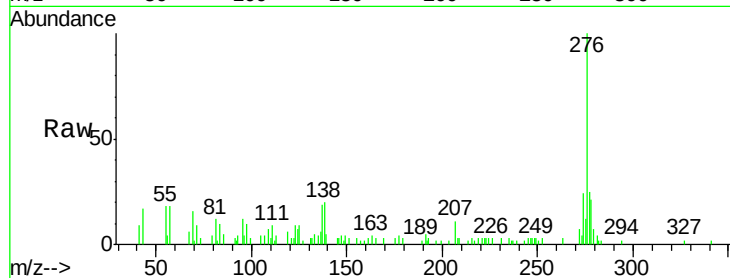
Tot Ion:278 Resp: 7421

Ion Ratio Lower Upper

278 100

139 23.3 15.9 23.9

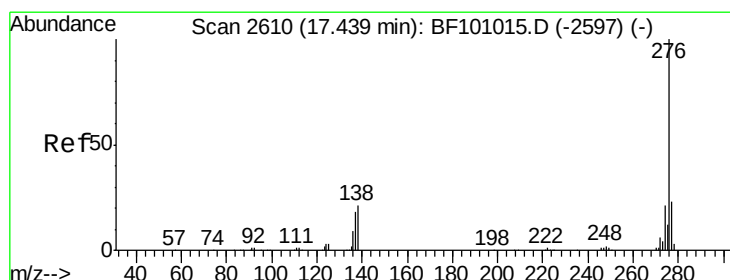
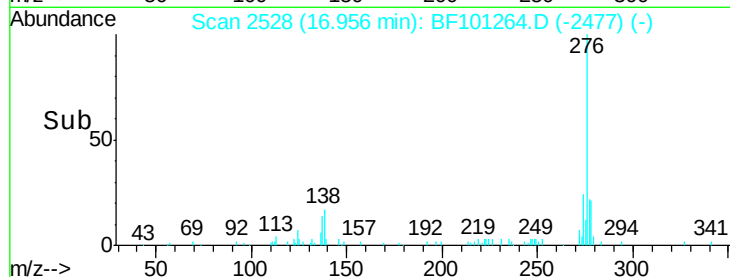
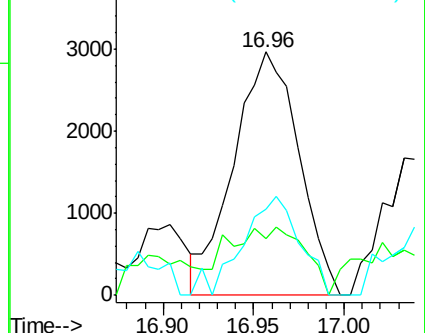
279 35.5 19.0 28.4#



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: 9.504 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BF101264.D

Acq: 9 Dec 2017 5:41

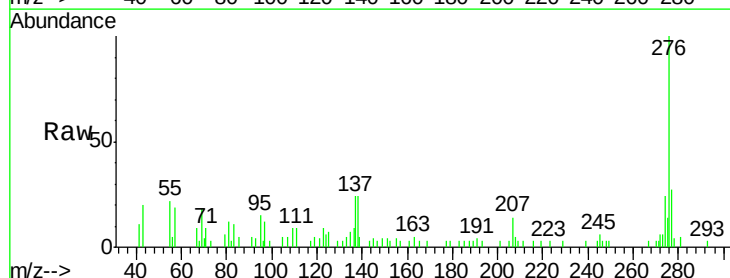
Tgt Ion:276 Resp: 26234

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 23.7 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

