

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101261.D
 Acq On : 9 Dec 2017 4:20
 Operator : SJ/JU
 Sample : I6791-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Dec 11 02:48:50 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

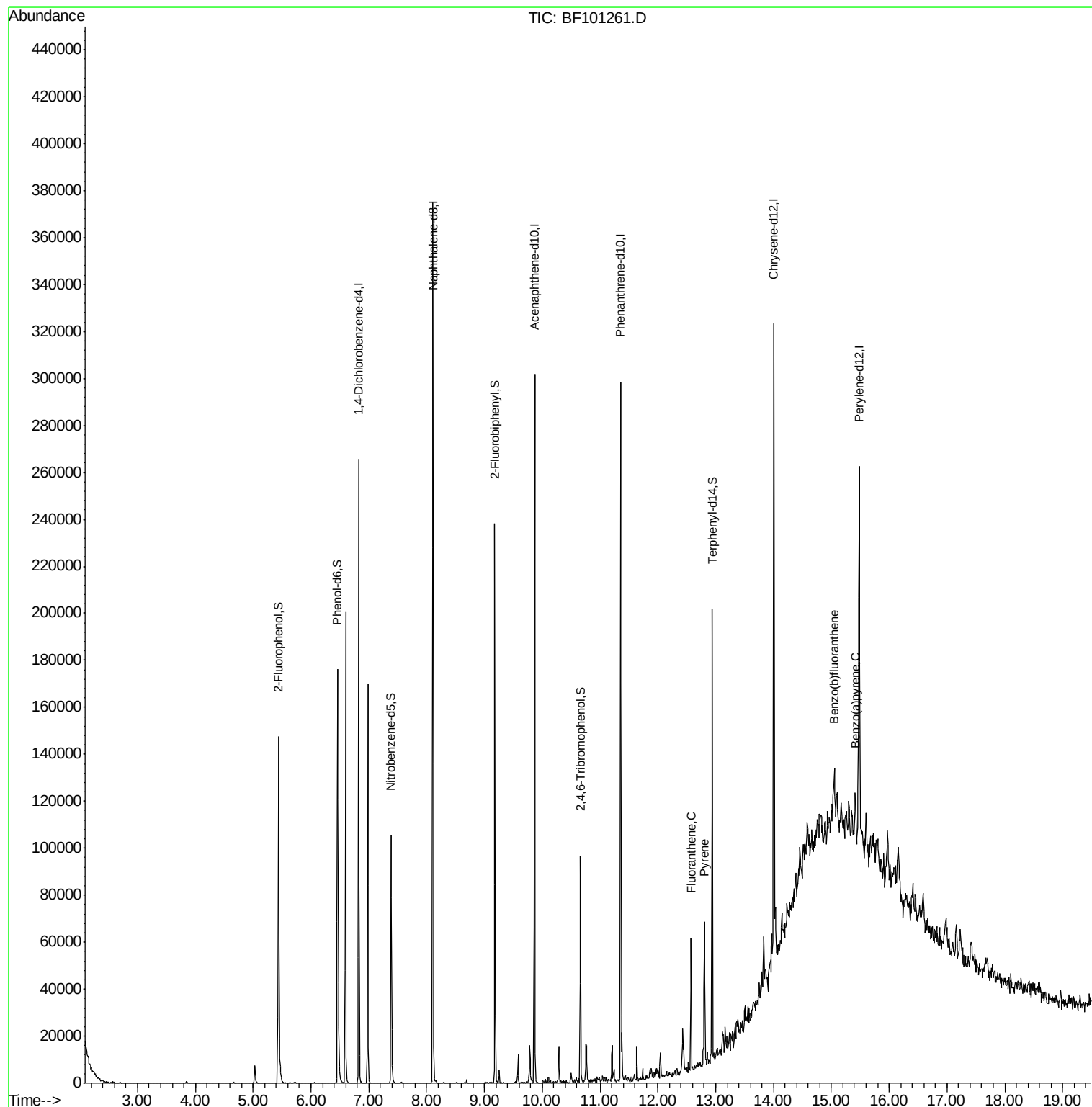
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	40886	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	149782	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	59484	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	101570	20.00	ng	0.00
75) Chrysene-d12	14.01	240	91187	20.00	ng	0.00
86) Perylene-d12	15.48	264	70408	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	52356	21.16	ng	0.00
7) Phenol-d6	6.46	99	63119	21.01	ng	0.00
23) Nitrobenzene-d5	7.39	82	31380	12.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	11756	16.45	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	71834	16.52	ng	0.00
78) Terphenyl-d14	12.94	244	57440	13.78	ng	0.00
Target Compounds						
74) Fluoranthene	12.57	202	20534	3.312	ng	Qvalue 94
77) Pyrene	12.80	202	20045	3.186	ng	98
87) Benzo(b)fluoranthene	15.05	252	10952m	2.597	ng	
89) Benzo(a)pyrene	15.42	252	7816	2.039	ng	# 75

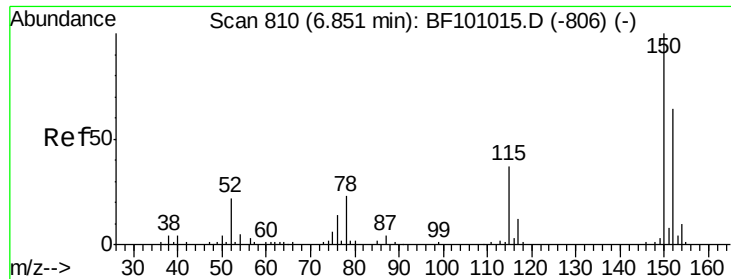
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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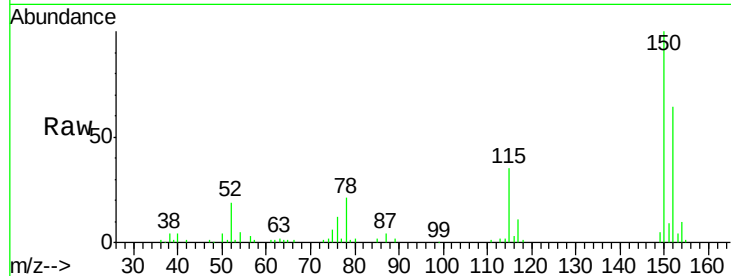


#1

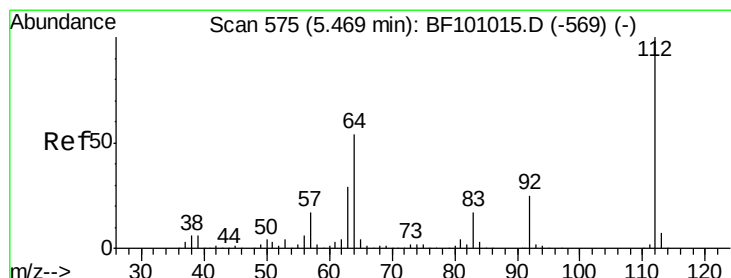
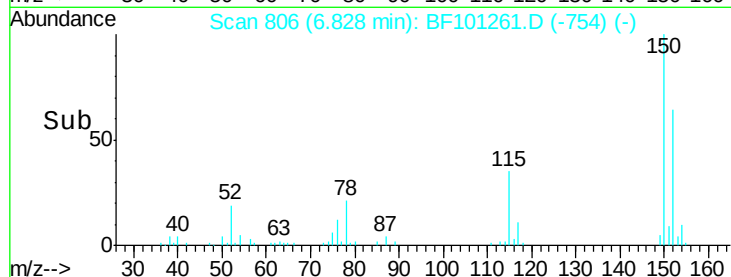
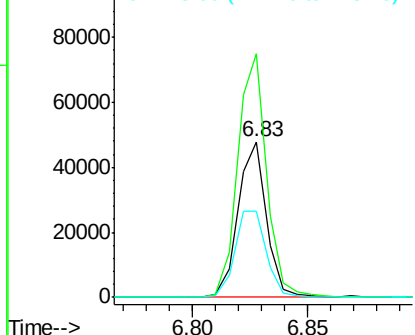
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

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

Tot Ion:152 Resp: 40886
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 55.4 50.1 75.1



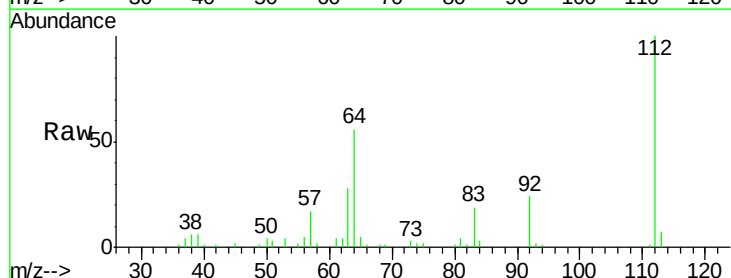
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



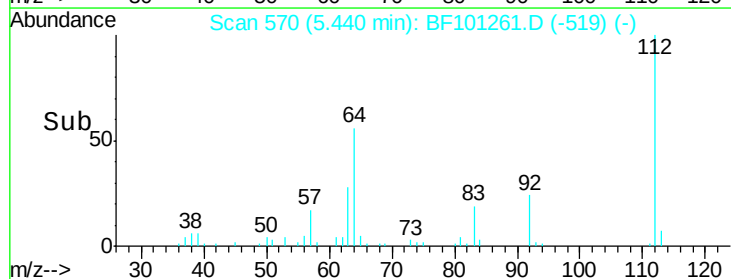
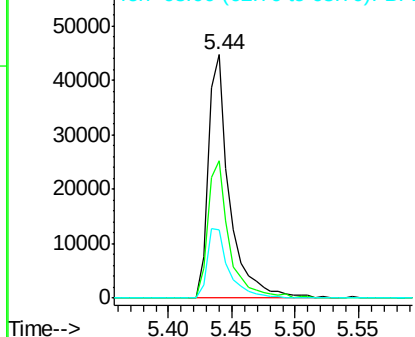
#5

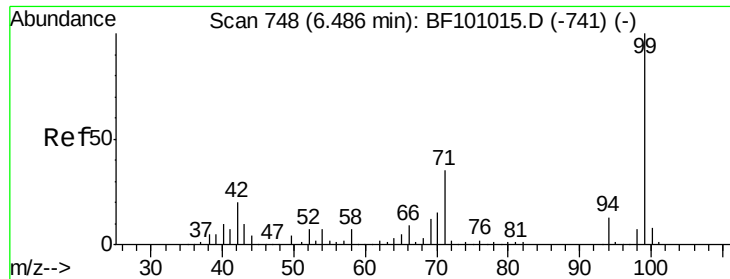
2-Fluorophenol
Concen: 21.160 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:112 Resp: 52356
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.2 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: 21.012 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampleId :

AREA-1-1-SAMPLE

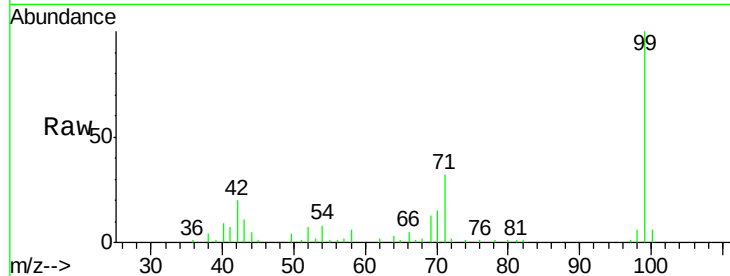
Tot Ion: 99 Resp: 63119

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

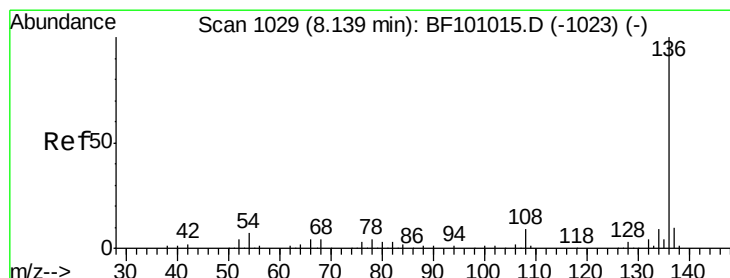
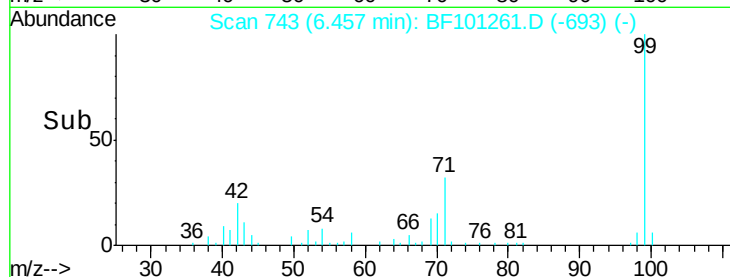
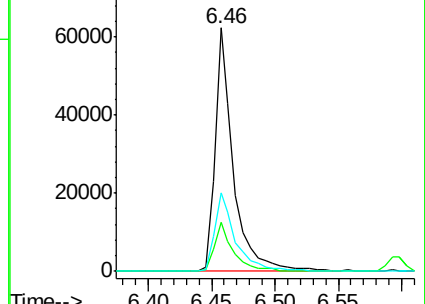
71 32.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Tgt Ion: 136 Resp: 149782

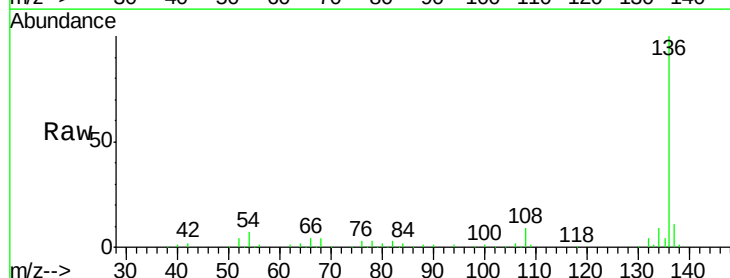
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.3 6.6 9.8

68 4.4 5.0 7.4#

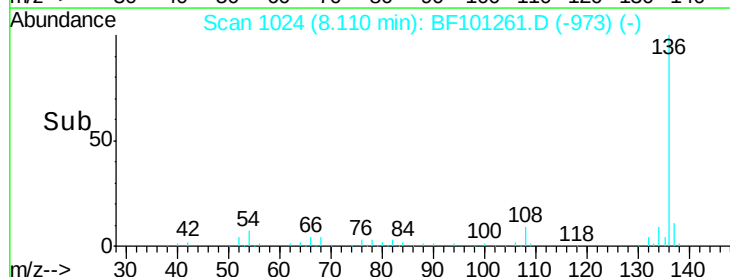
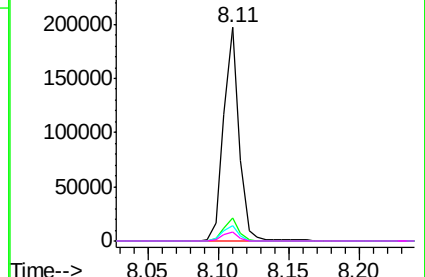


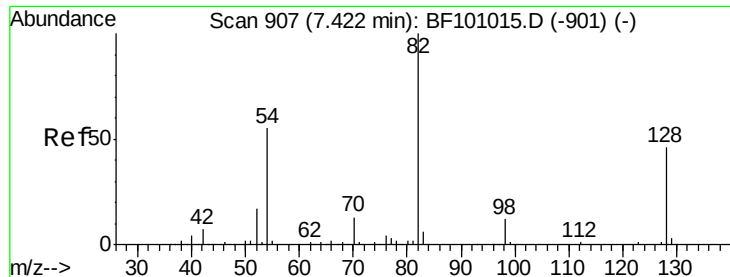
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

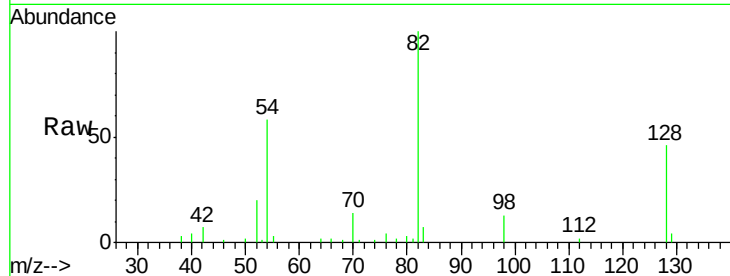




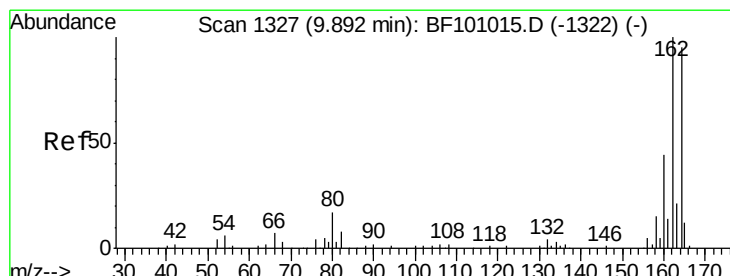
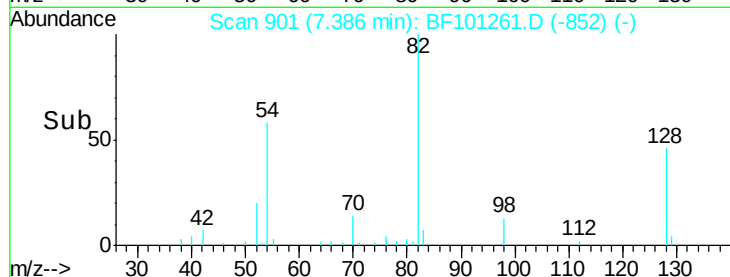
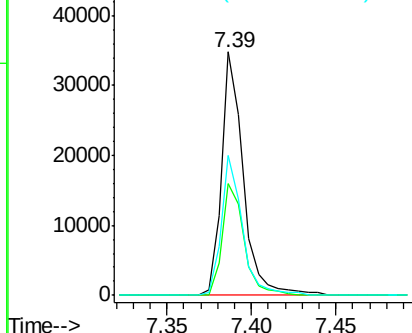
#23
 Nitrobenzene-d5
 Concen: 12.498 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

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

Tot Ion: 82 Resp: 31380
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.1 54.1
 54 57.6 41.4 62.2

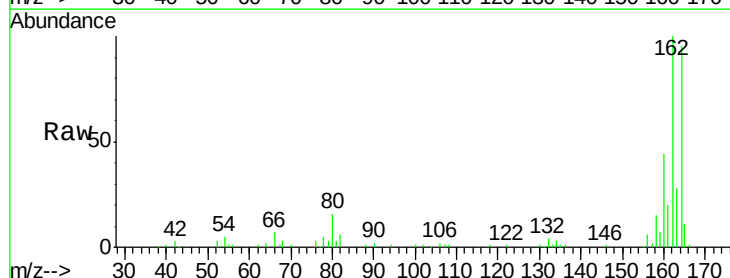


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

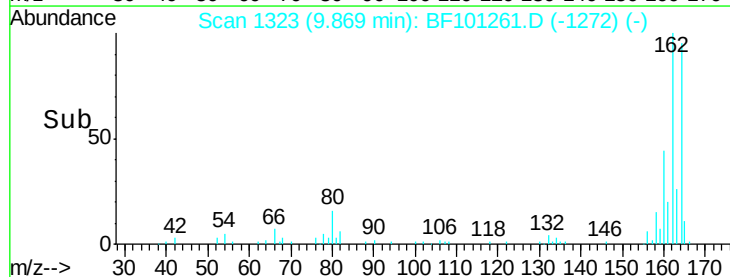
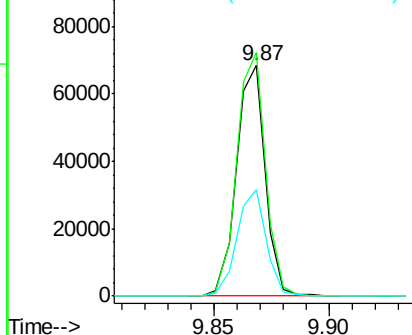


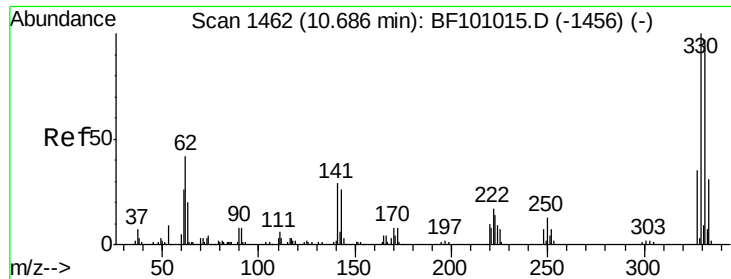
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

Tgt Ion: 164 Resp: 59484
 Ion Ratio Lower Upper
 164 100
 162 105.7 86.1 129.1
 160 46.4 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: 16.452 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampleId :

AREA-1-1-SAMPLE

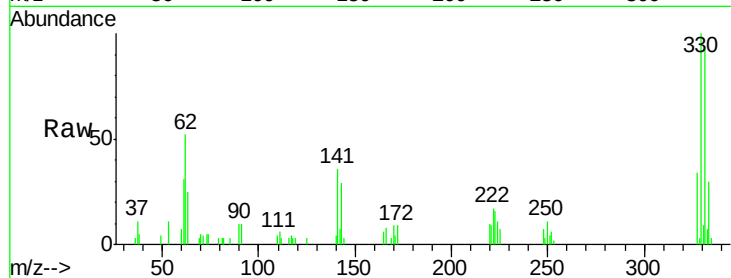
Tot Ion:330 Resp: 11756

Ion Ratio Lower Upper

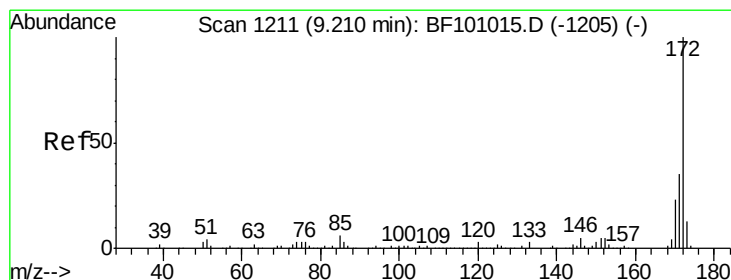
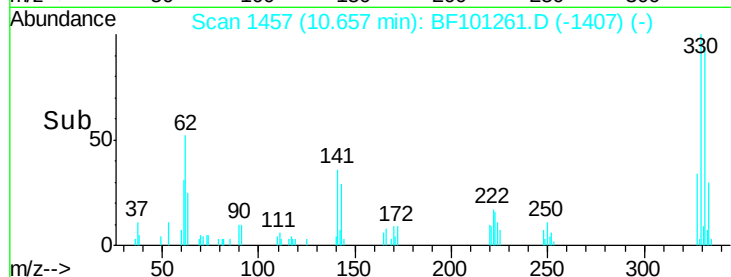
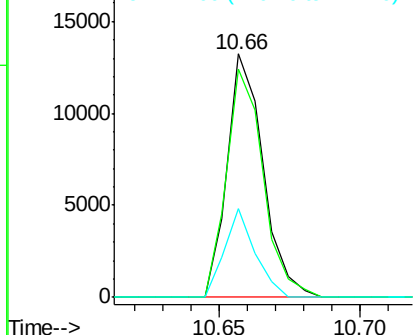
330 100

332 95.2 77.0 115.6

141 30.6 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: 16.523 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

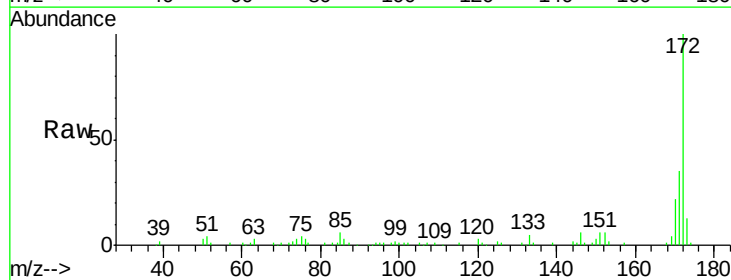
Tgt Ion:172 Resp: 71834

Ion Ratio Lower Upper

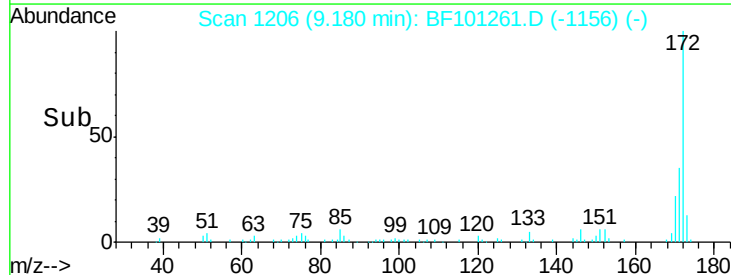
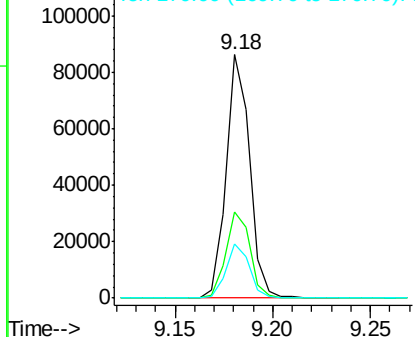
172 100

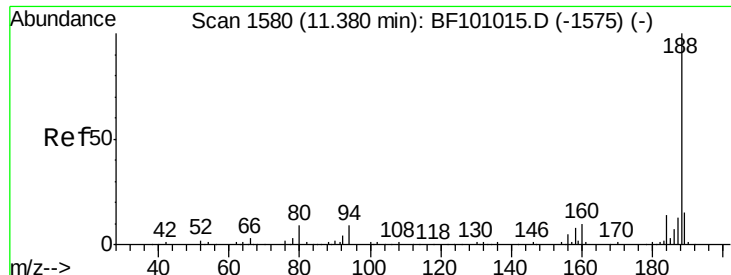
171 35.5 29.7 44.5

170 22.4 19.6 29.4



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

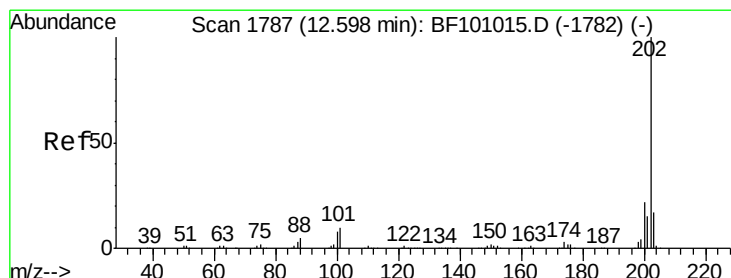
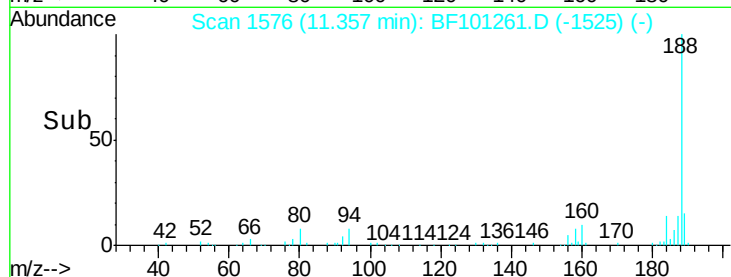
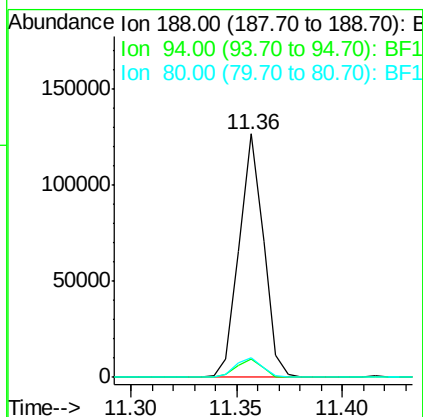
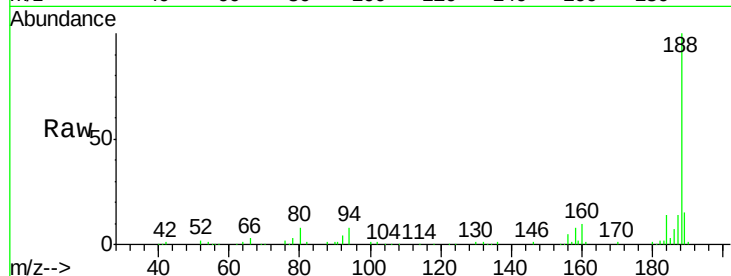




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

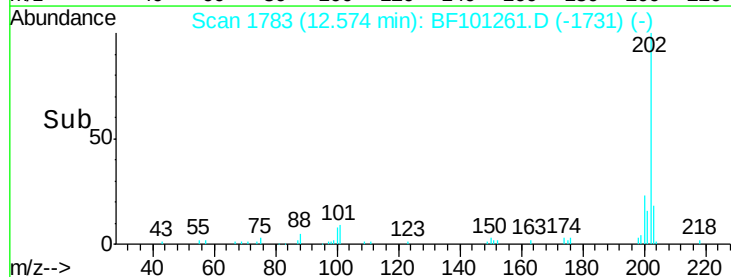
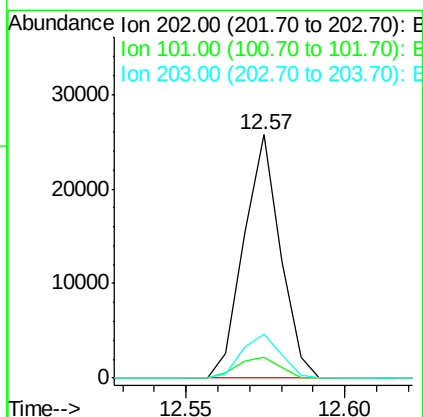
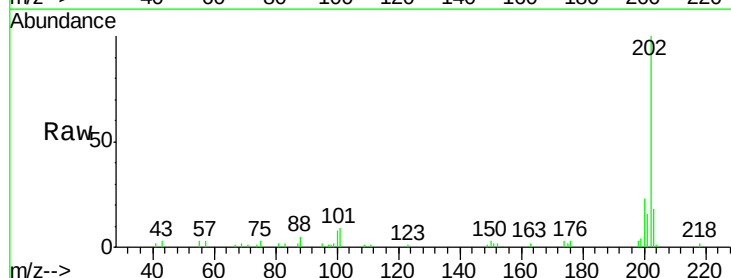
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BNA_F
ClientSampleId :
AREA-1-1-SAMPLE

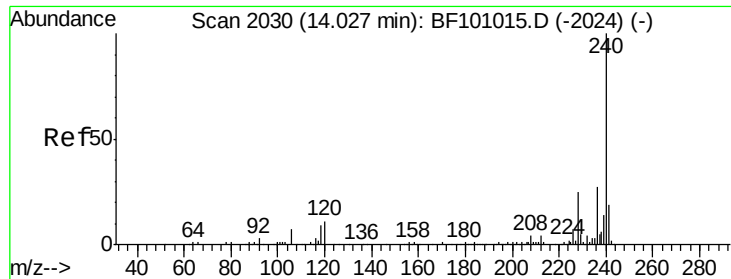
Tot Ion:188 Resp: 101570
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.1 9.2 13.8#



#74
Fluoranthene
Concen: 3.312 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:202 Resp: 20534
Ion Ratio Lower Upper
202 100
101 8.6 0.0 34.1
203 17.9 0.0 38.1

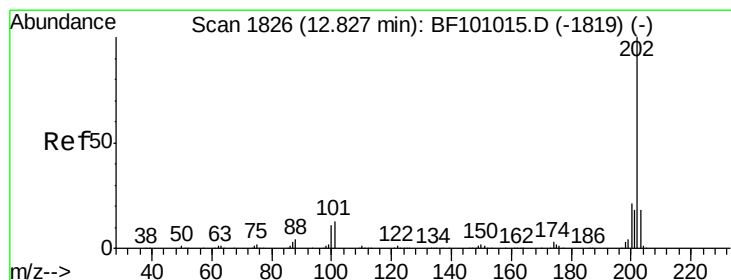
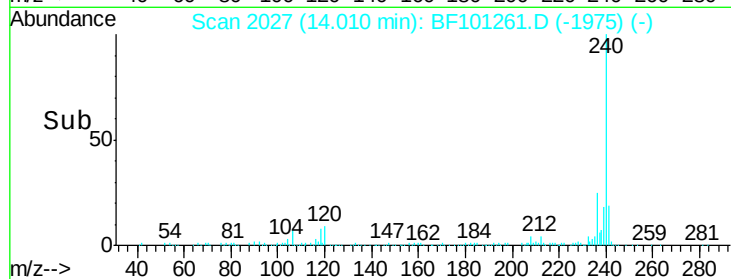
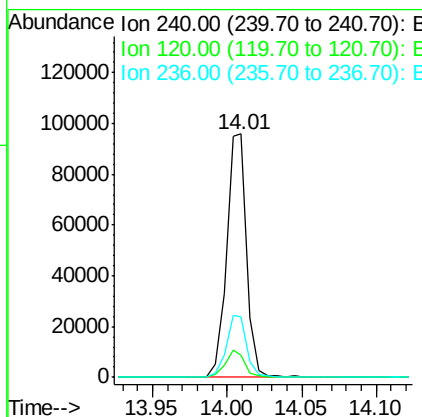
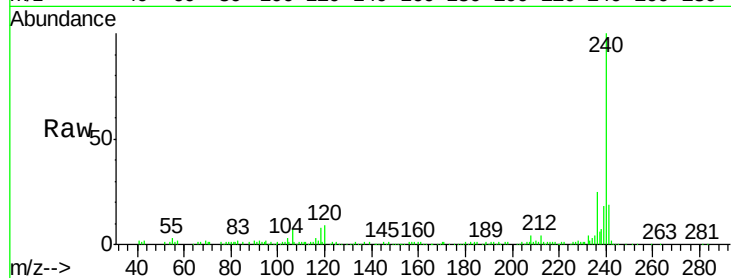




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

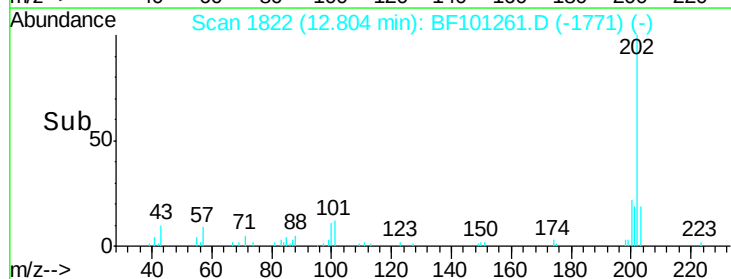
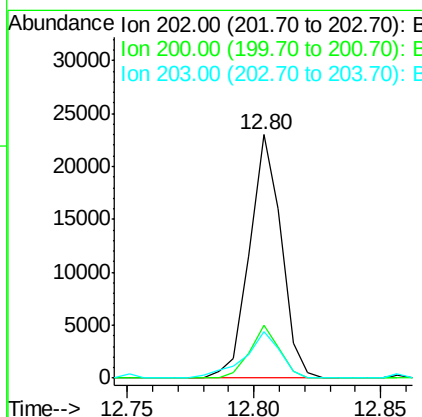
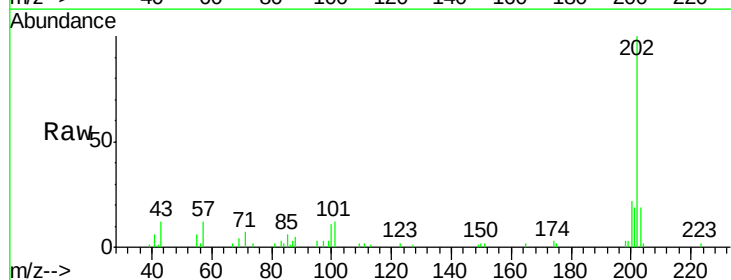
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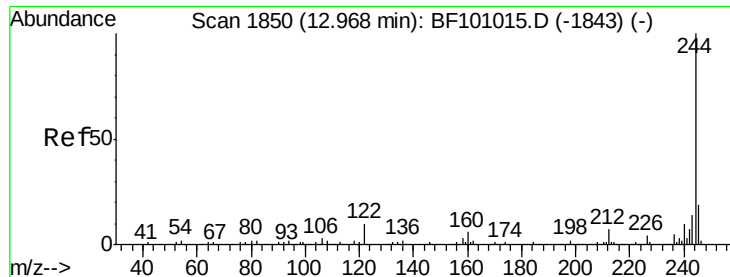
Tot Ion:240 Resp: 91187
 Ion Ratio Lower Upper
 240 100
 120 9.1 9.5 14.3#
 236 24.9 20.7 31.1



#77
 Pyrene
 Concen: 3.186 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

Tgt Ion:202 Resp: 20045
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.4 26.2
 203 19.2 14.3 21.5





#78

Terphenyl-d14

Concen: 13.778 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampleId :

AREA-1-1-SAMPLE

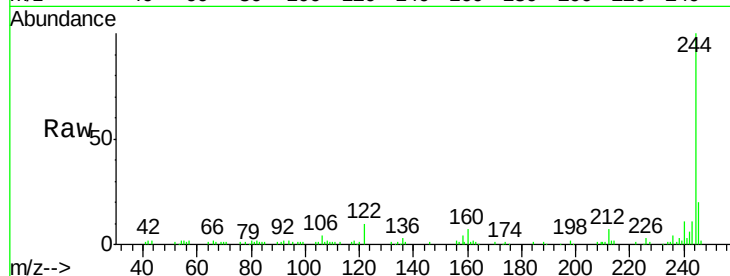
Tot Ion:244 Resp: 57440

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

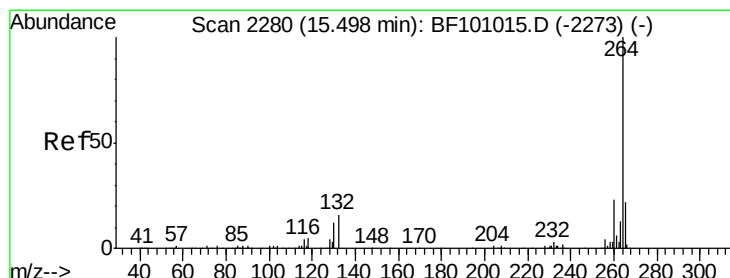
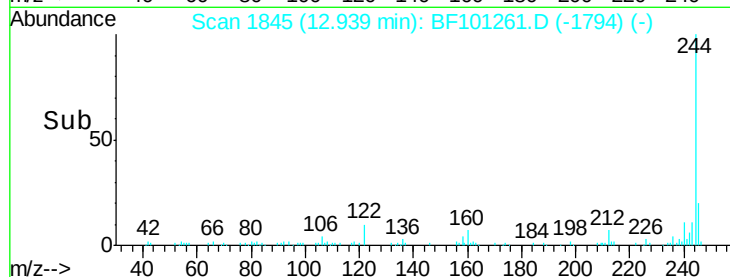
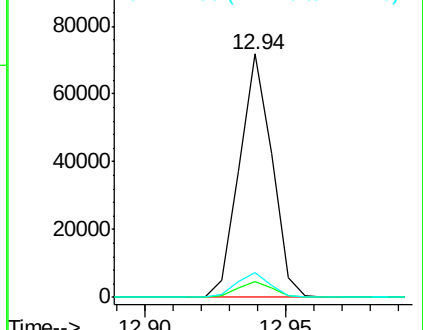
122 10.1 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

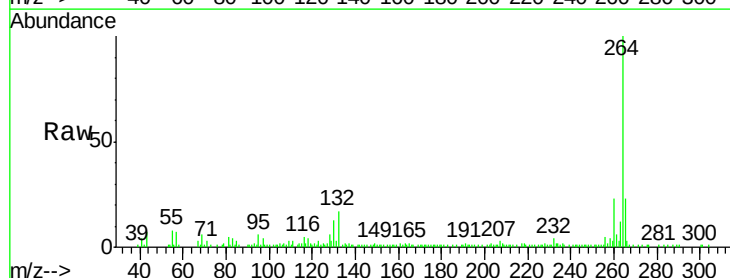
Tgt Ion:264 Resp: 70408

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

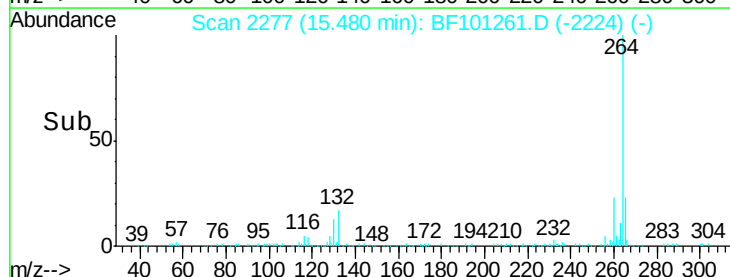
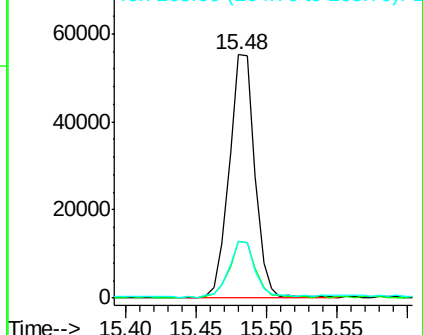
265 23.5 17.5 26.3

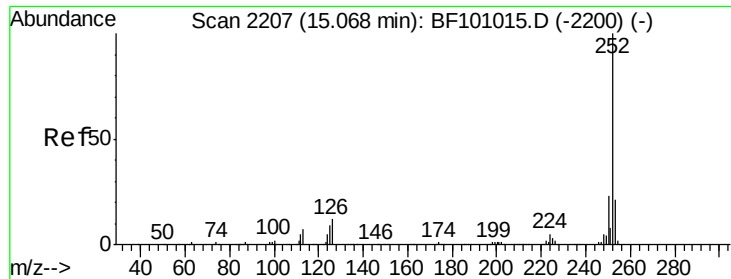


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.597 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampleId :

AREA-1-1-SAMPLE

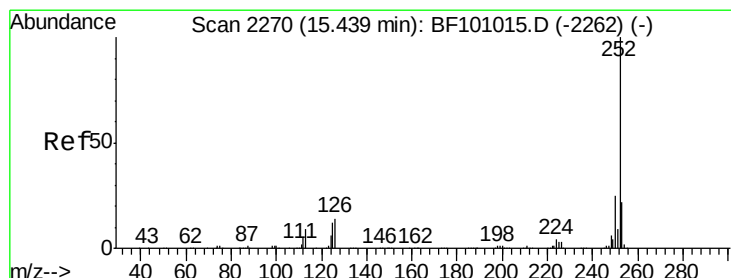
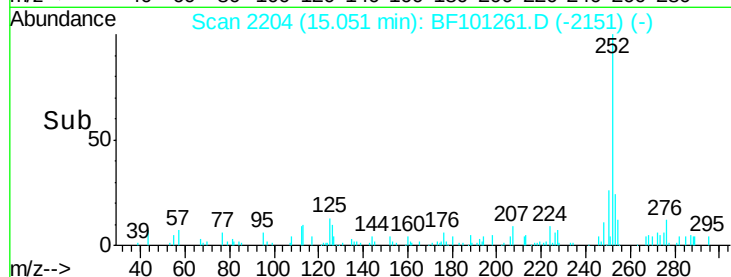
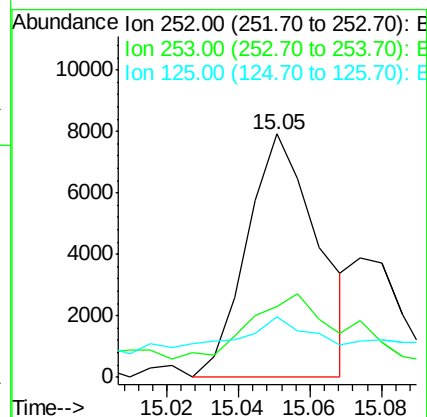
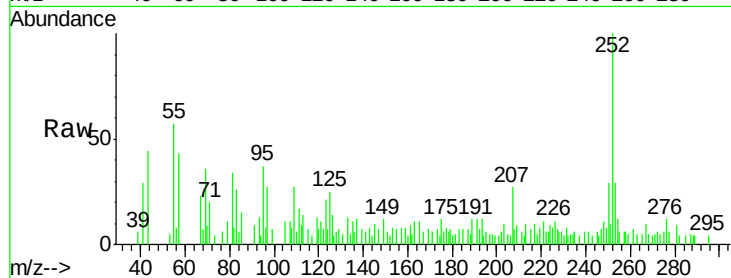
Tot Ion:252 Resp: 10952

Ion Ratio Lower Upper

252 100

253 29.3 17.0 25.6#

125 24.8 9.0 13.6#



#89

Benzo(a)pyrene

Concen: 2.039 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Tgt Ion:252 Resp: 7816

Ion Ratio Lower Upper

252 100

253 28.5 17.1 25.7#

125 28.4 9.8 14.6#

