

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101288.D
 Acq On : 11 Dec 2017 14:42
 Operator : SJ/JU
 Sample : I6746-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 16:38:23 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	51058	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	204773	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	96871	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	191929	20.00	ng	0.00
75) Chrysene-d12	14.01	240	143993	20.00	ng	0.00
86) Perylene-d12	15.49	264	103258	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	68029	22.02	ng	0.00
7) Phenol-d6	6.46	99	87091	23.22	ng	0.00
23) Nitrobenzene-d5	7.39	82	52772	15.37	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	21679	18.63	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	125760	17.76	ng	0.00
78) Terphenyl-d14	12.94	244	129061	19.60	ng	0.00

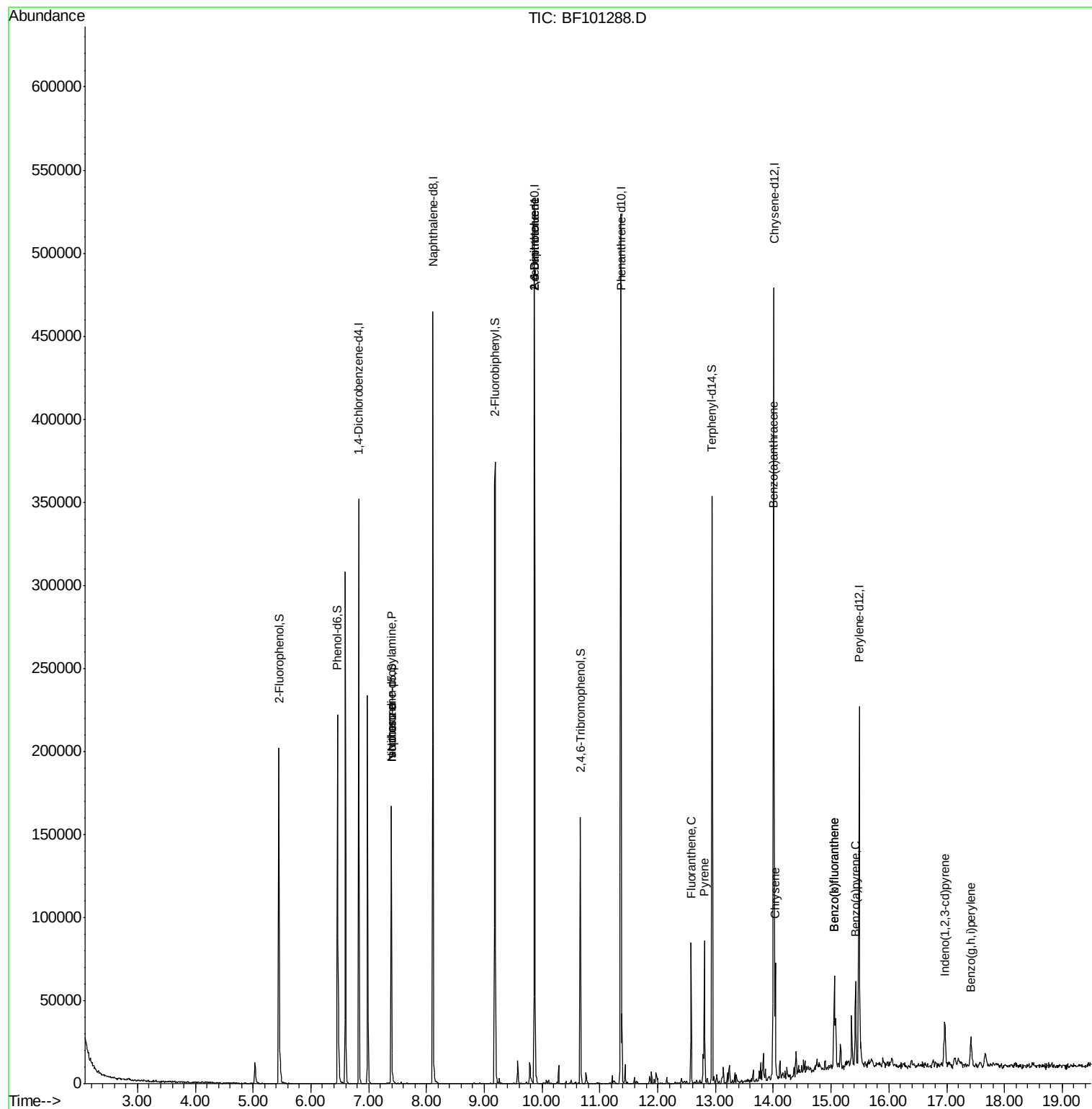
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	6869	2.719	ng	# 78
25) Isophorone	7.39	82	52780	9.001	ng	# 64
50) 2,6-Dinitrotoluene	9.87	165	12161	7.391	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	12161	5.515	ng	# 21
74) Fluoranthene	12.57	202	37568	3.207	ng	95
77) Pyrene	12.81	202	38548	3.880	ng	98
80) Benzo(a)anthracene	14.00	228	32593	3.585	ng	98
82) Chrysene	14.03	228	26569	3.147	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	16280	2.169	ng	# 87
87) Benzo(b)fluoranthene	15.05	252	41920	6.778	ng	# 96
88) Benzo(k)fluoranthene	15.05	252	41920	6.879	ng	# 96
89) Benzo(a)pyrene	15.42	252	25748	4.579	ng	98
91) Benzo(a,h,i)perylene	17.42	276	14739	3.155	ng	# 88

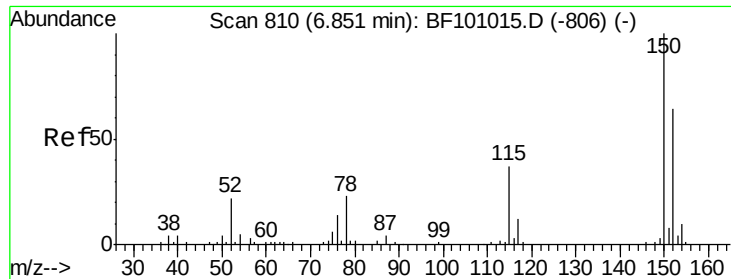
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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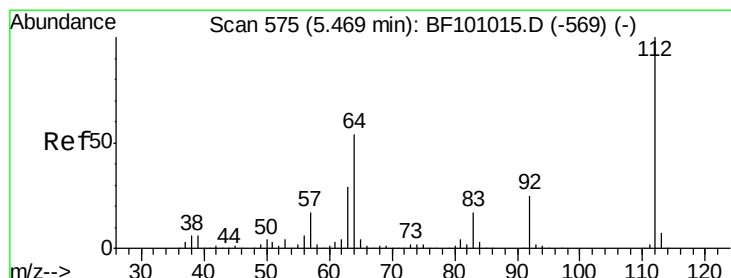
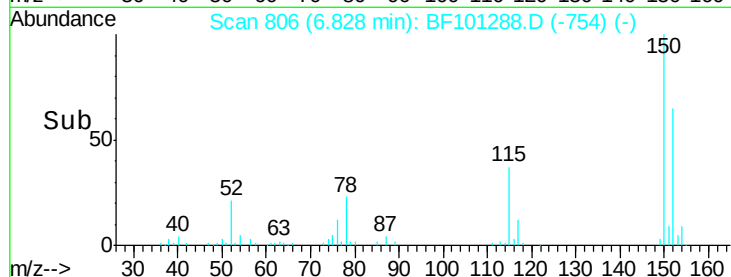
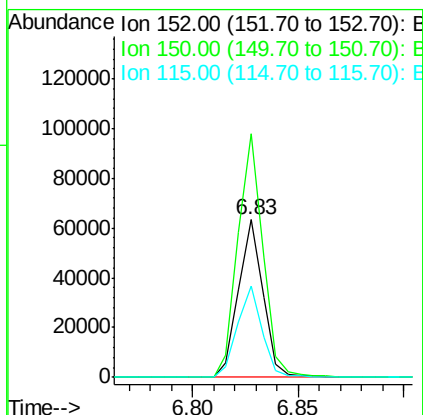
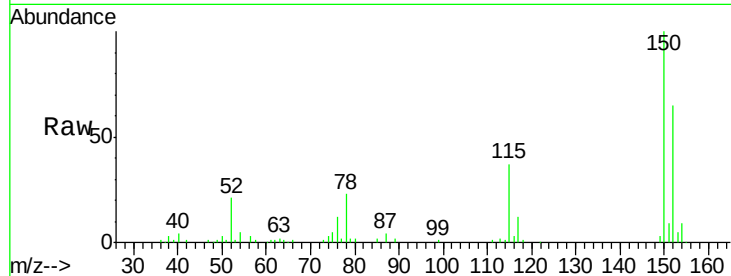


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Instrument :
BNA_F
ClientSampleId :

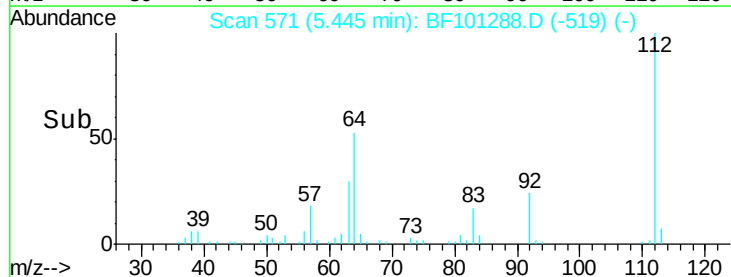
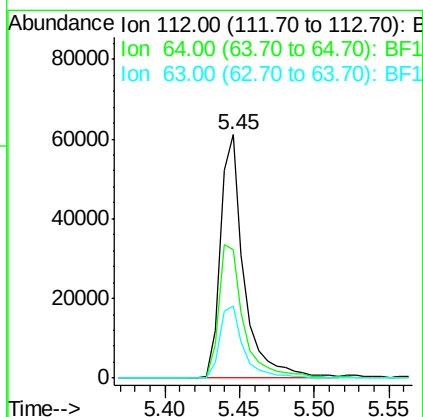
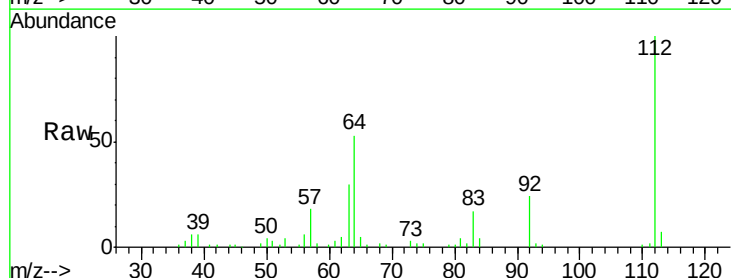
Tot Ion:152 Resp: 51058
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 57.6 50.1 75.1

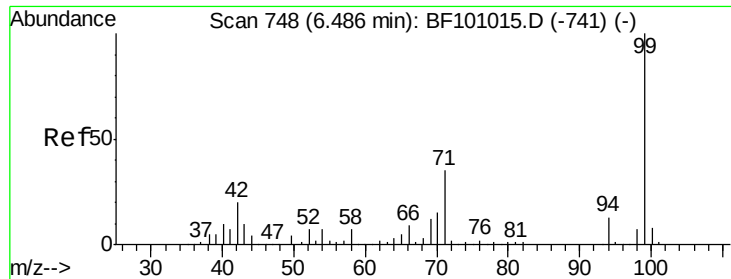


#5

2-Fluorophenol
Concen: 22.017 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion:112 Resp: 68029
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 29.5 23.7 35.5





#7

Phenol-d6

Concen: 23.216 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Instrument :

BNA_F

ClientSampleId :

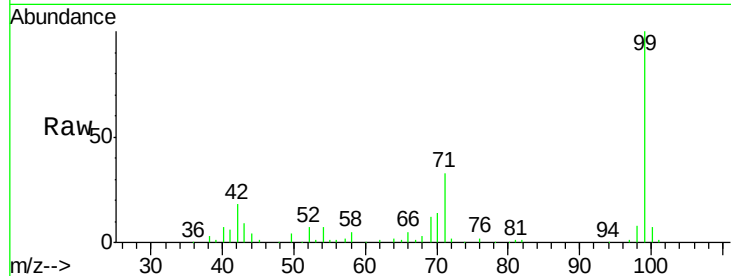
Tot Ion: 99 Resp: 87091

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

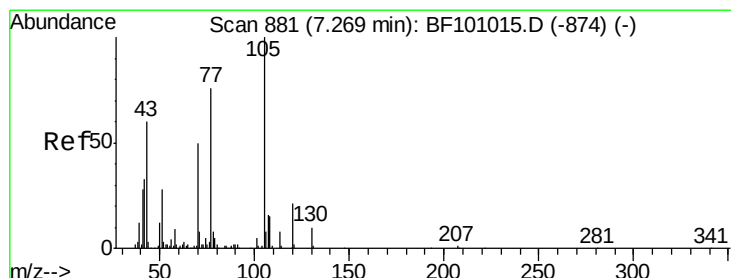
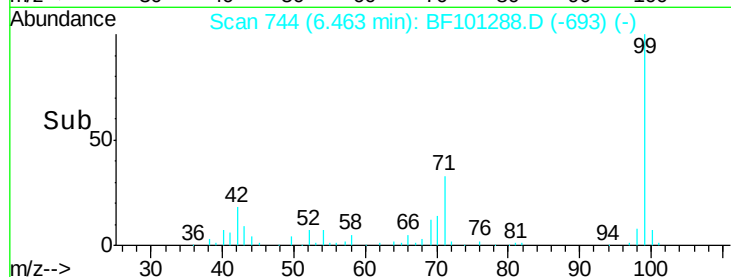
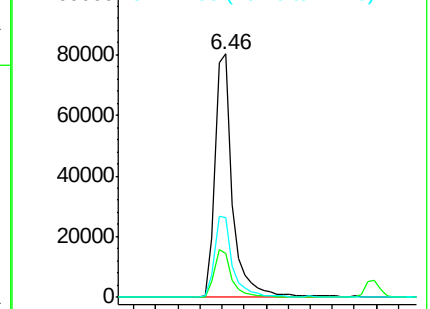
71 32.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.719 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Tgt Ion: 70 Resp: 6869

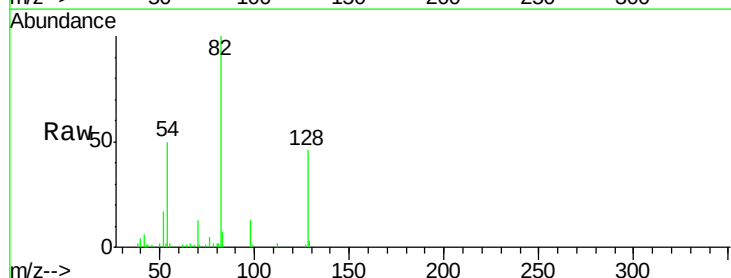
Ion Ratio Lower Upper

70 100

42 49.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

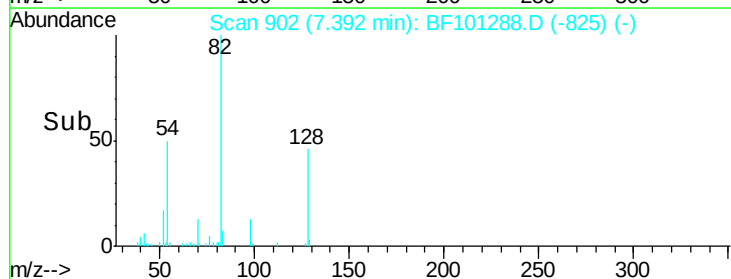
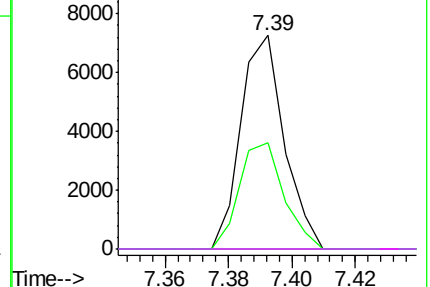


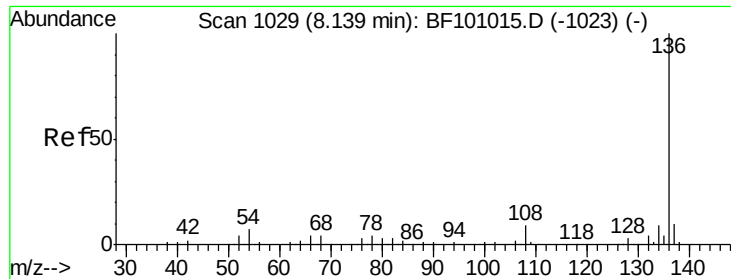
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

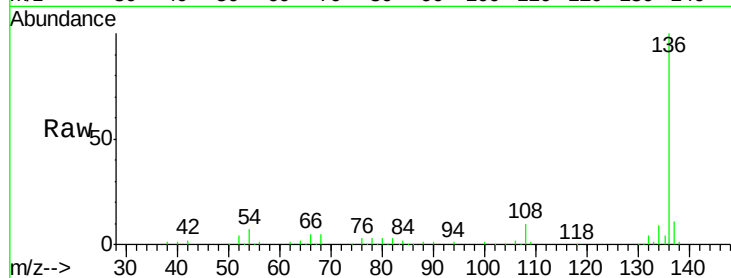




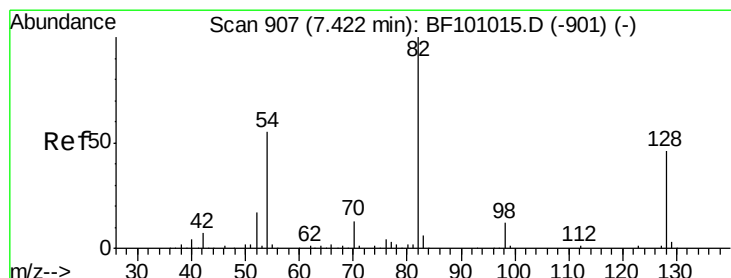
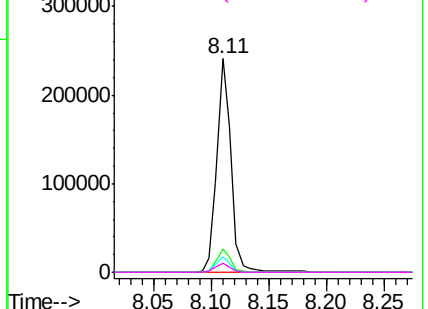
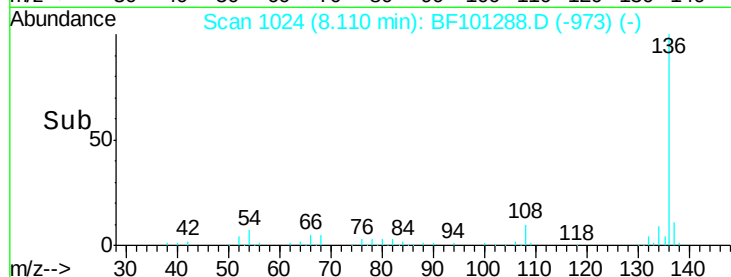
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	204773
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	7.4	6.6 9.8
68	4.5	5.0 7.4#

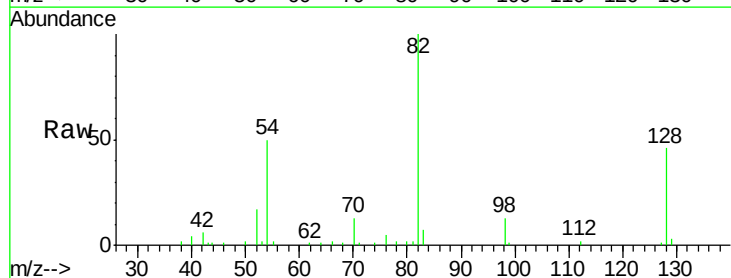


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

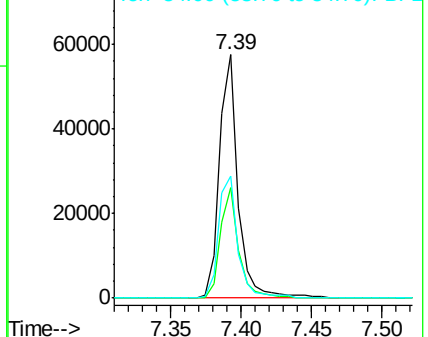
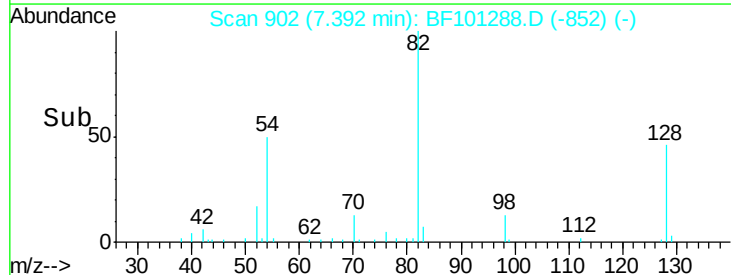


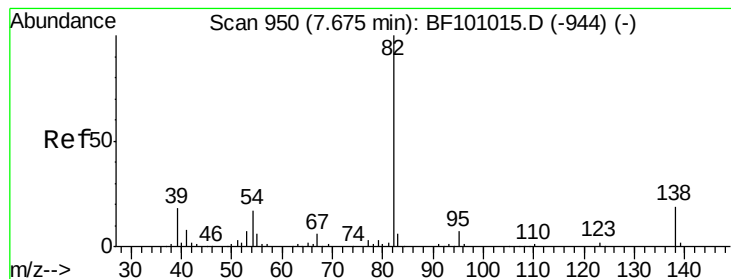
#23
Nitrobenzene-d5
Concen: 15.373 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion: 82	Resp:	52772
Ion Ratio	Lower	Upper
82	100	
128	45.6	36.1 54.1
54	50.3	41.4 62.2



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





#25

Isophorone

Concen: 9.001 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Instrument :

BNA_F

ClientSampleId :

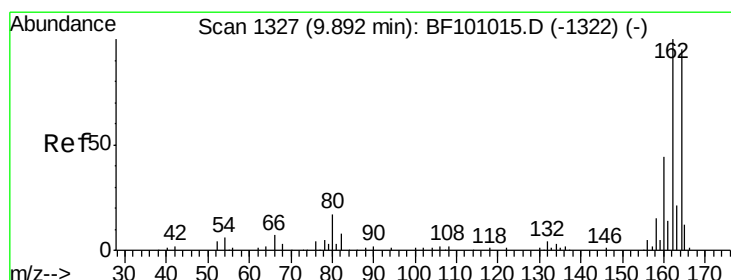
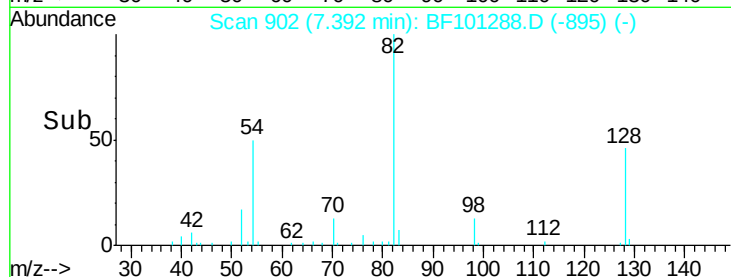
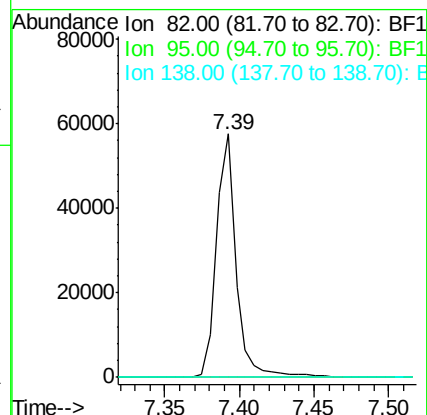
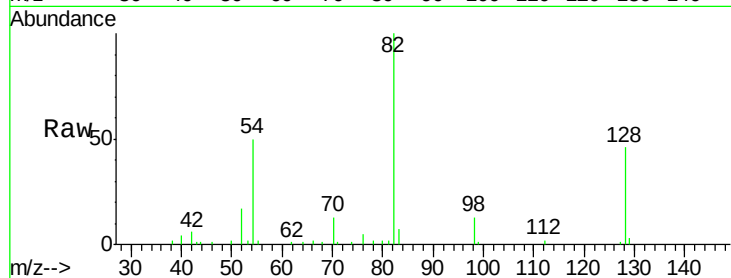
Tot Ion: 82 Resp: 52780

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

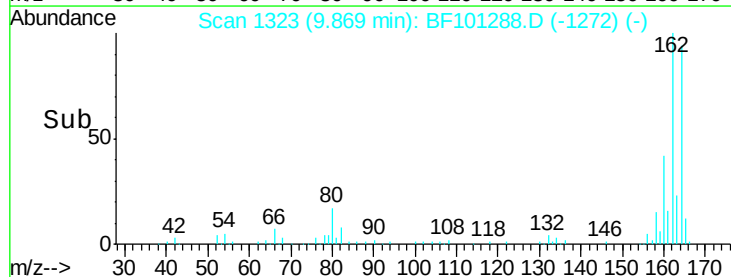
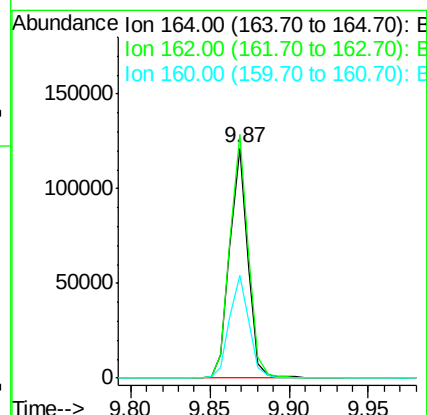
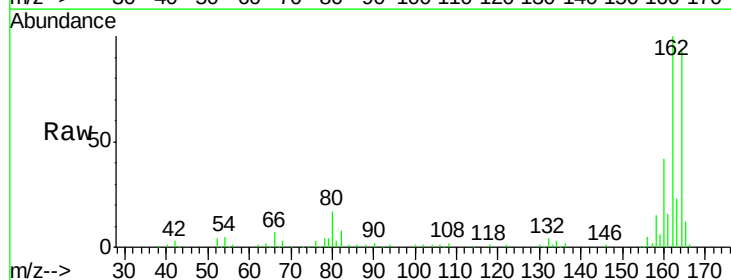
Tgt Ion:164 Resp: 96871

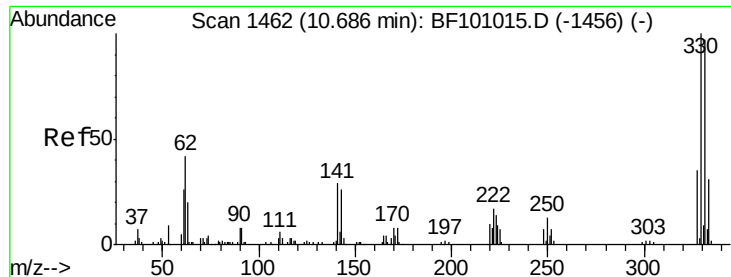
Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

160 44.9 38.3 57.5

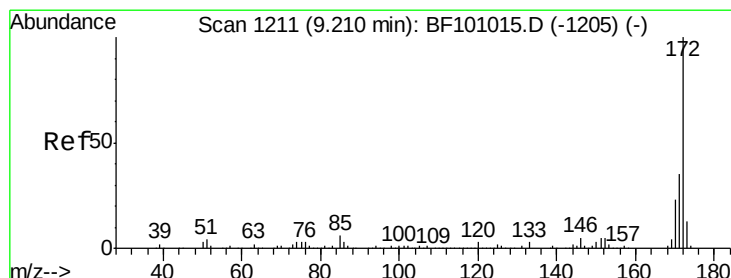
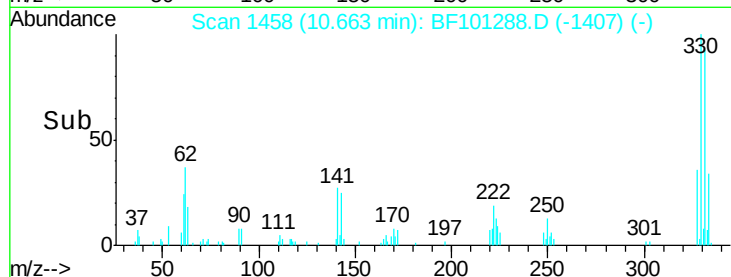
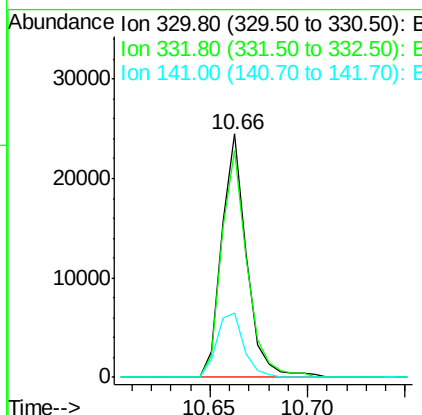
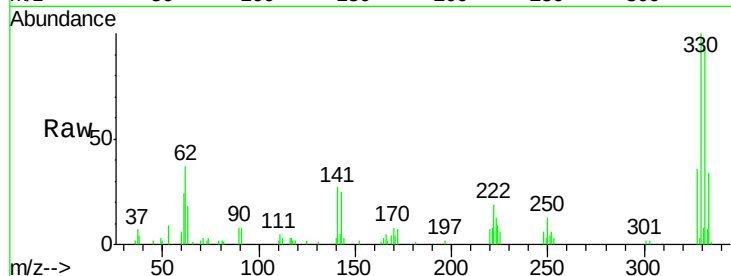




#41
 2,4,6-Tribromophenol
 Concen: 18.629 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

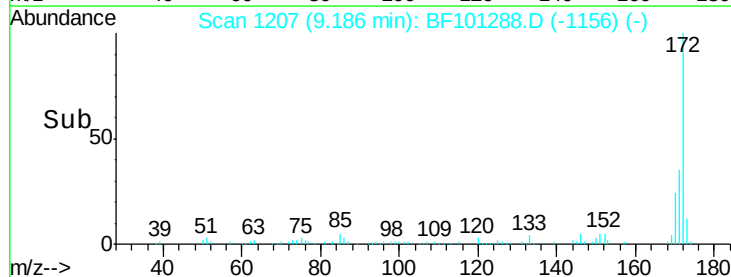
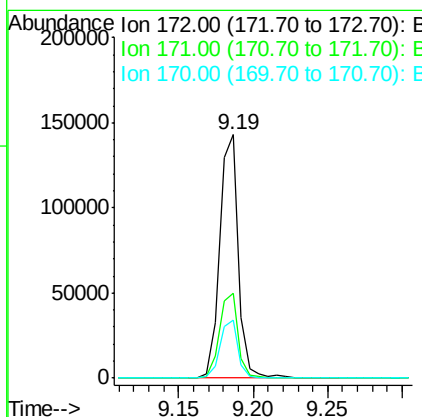
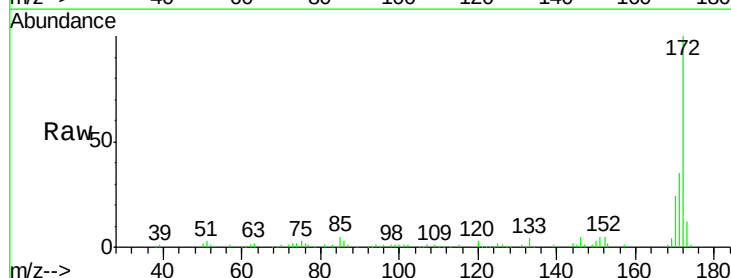
Instrument :
 BNA_F
 ClientSampleId :

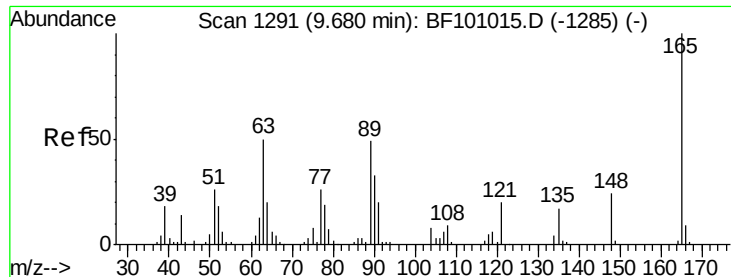
Tot Ion:330 Resp: 21679
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 28.8 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 17.762 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Tgt Ion:172 Resp: 125760
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.9 19.6 29.4

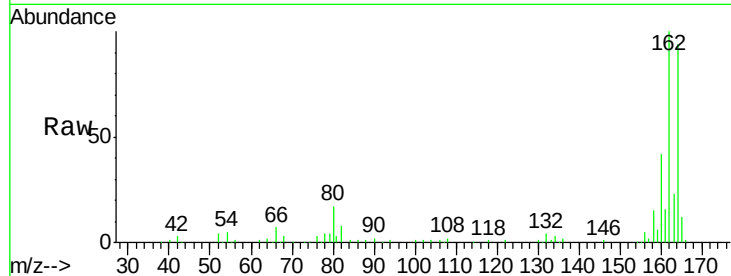




#50
 2,6-Dinitrotoluene
 Concen: 7.391 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

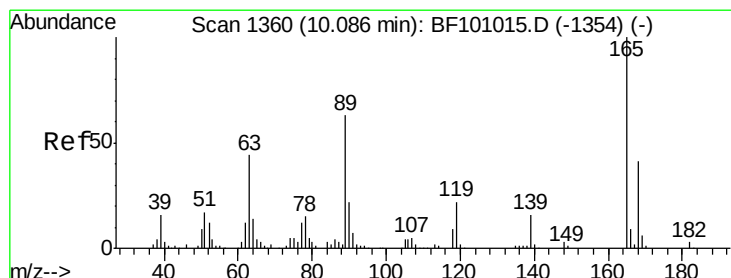
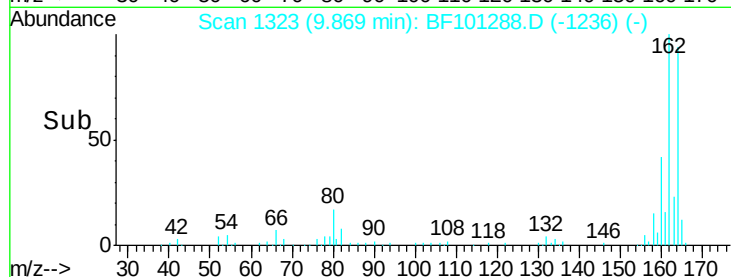
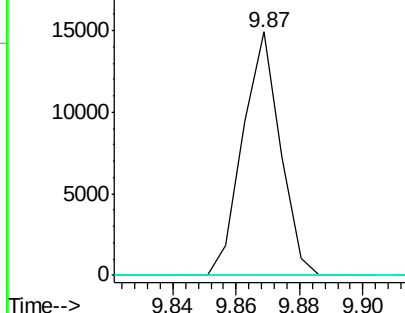
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

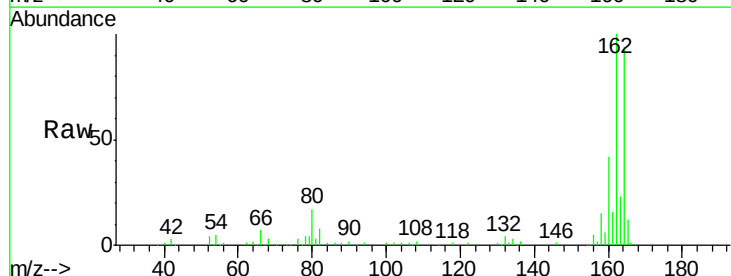
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.515 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

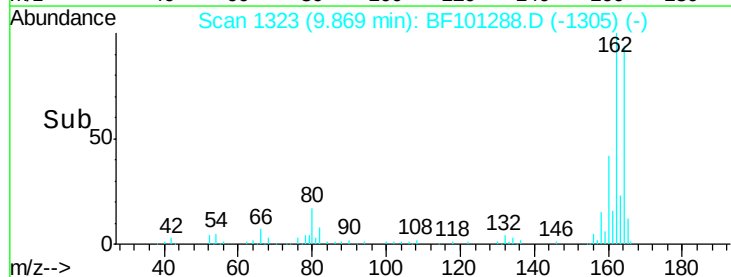
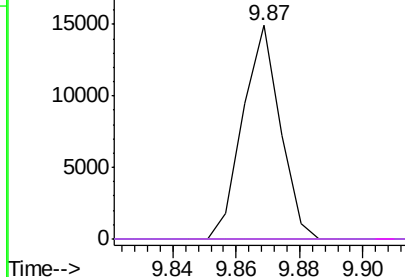


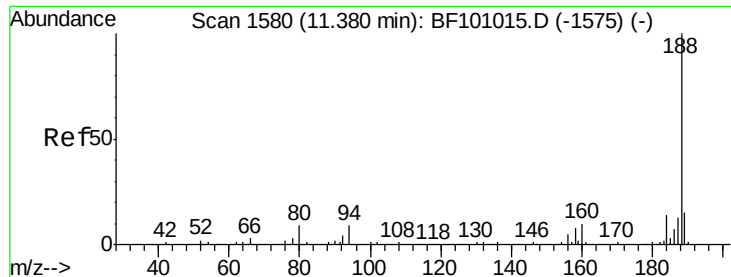
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

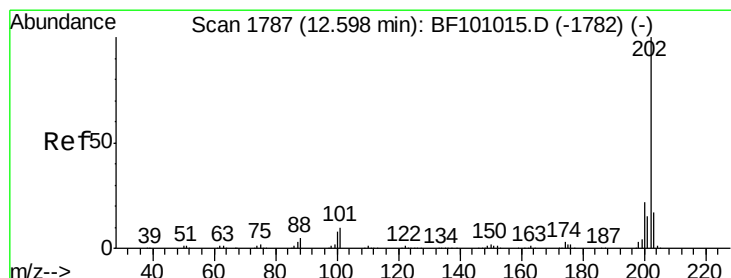
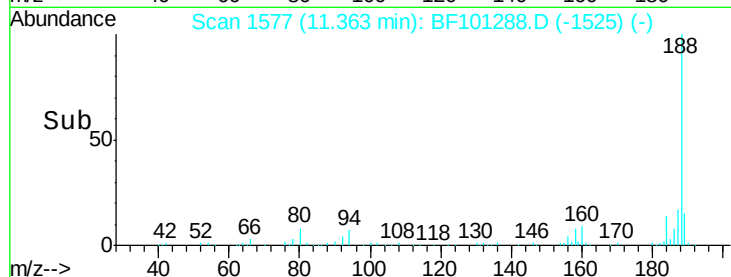
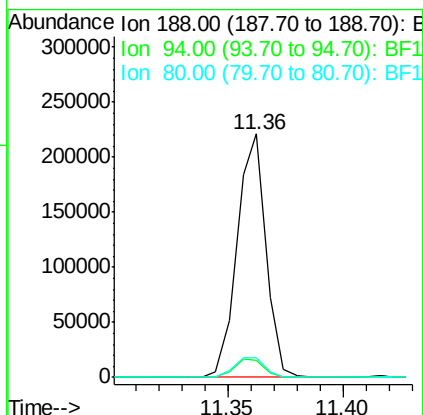
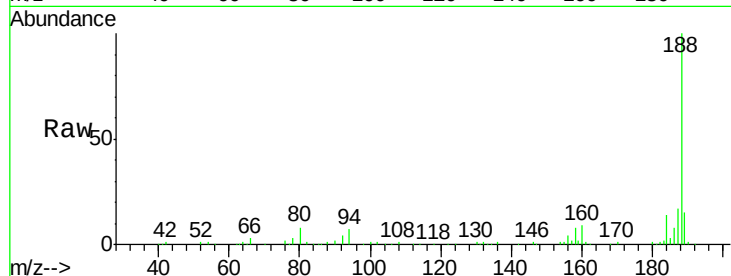




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

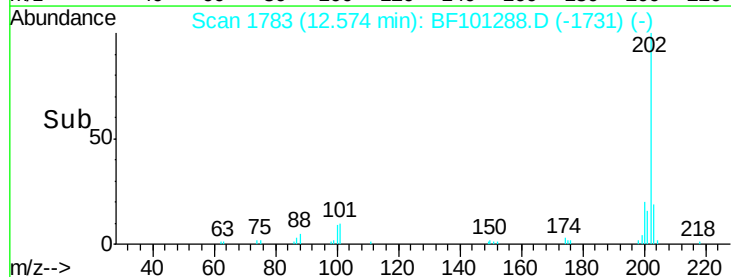
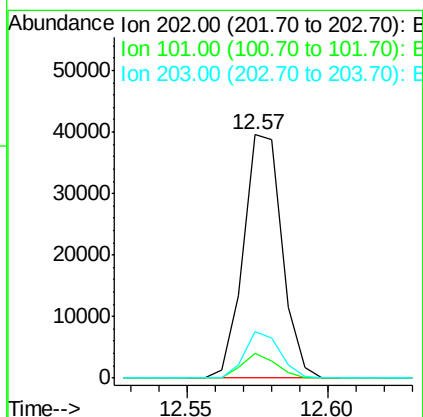
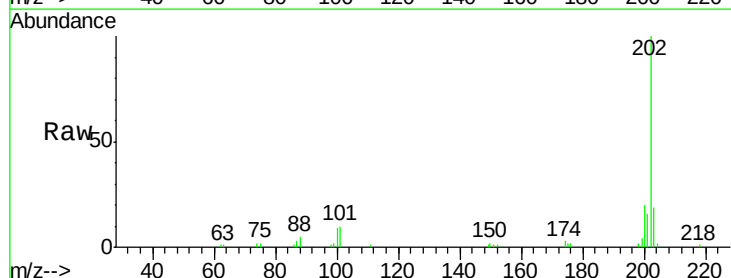
Instrument :
BNA_F
ClientSampleId :

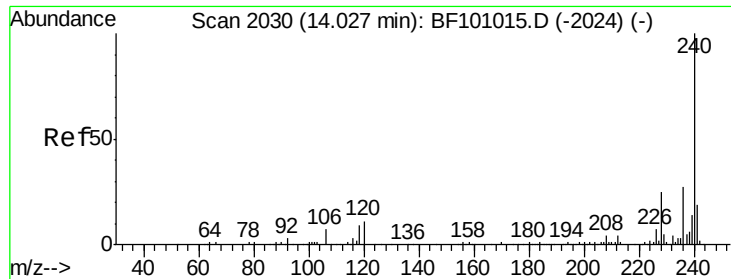
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.2	8.5	12.7#
80	7.9	9.2	13.8#



#74
Fluoranthene
Concen: 3.207 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	19.0	0.0	38.1

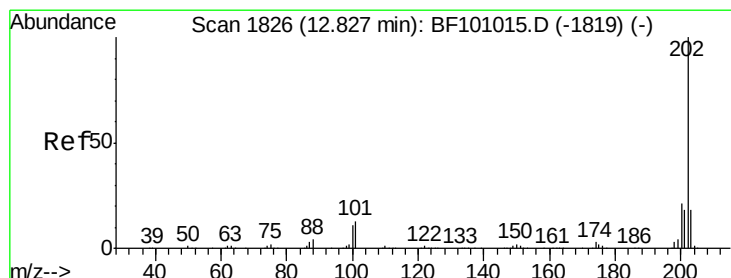
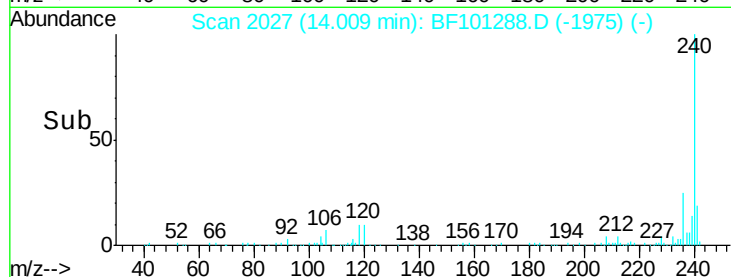
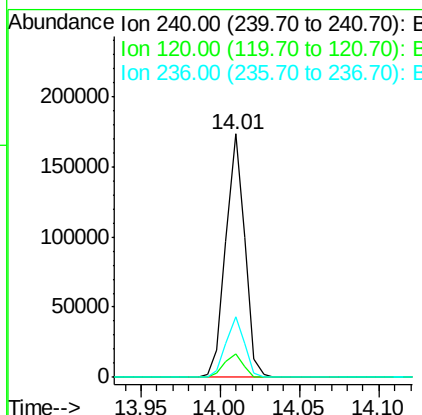
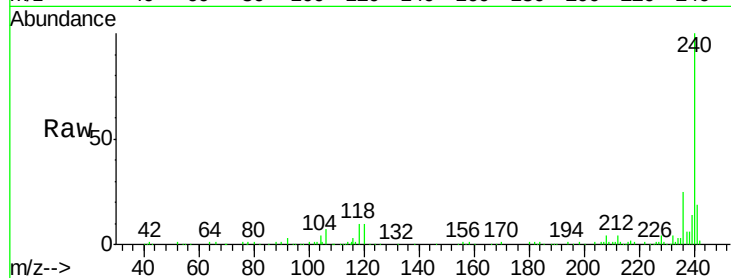




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

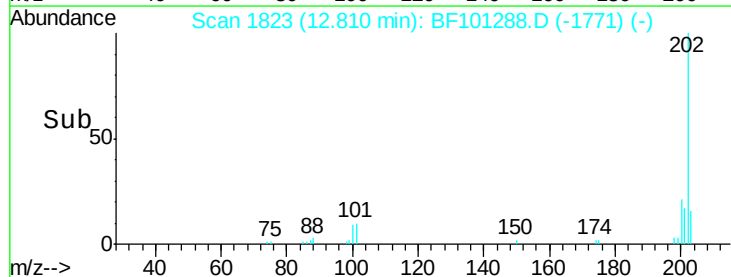
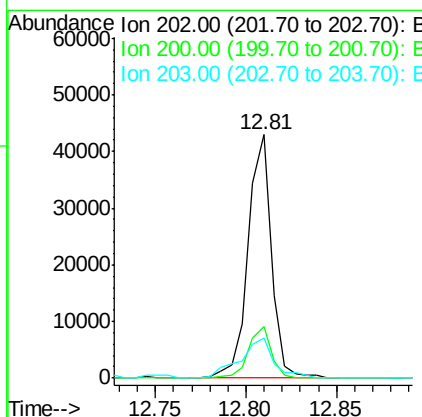
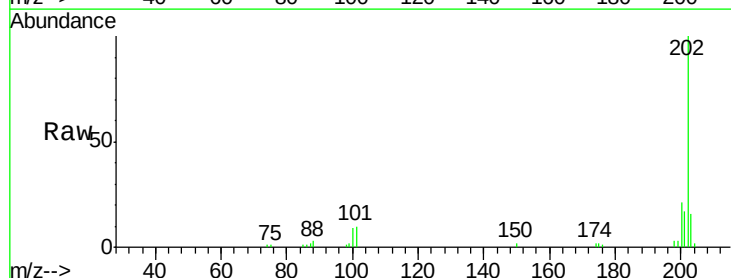
Instrument :
BNA_F
ClientSampleId :

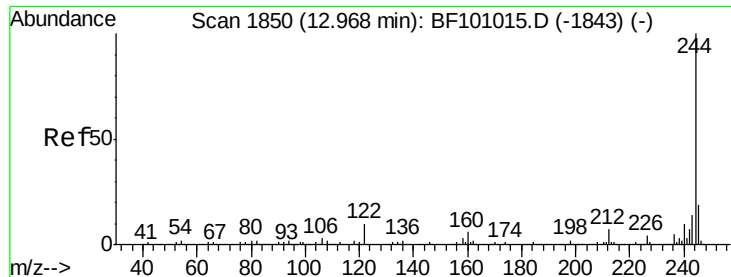
Tot Ion:240 Resp: 143993
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 24.8 20.7 31.1



#77
Pyrene
Concen: 3.880 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion:202 Resp: 38548
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 16.5 14.3 21.5

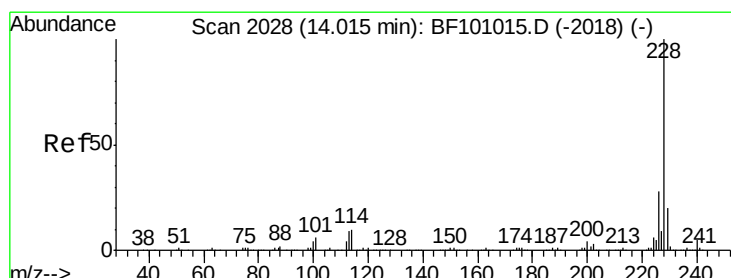
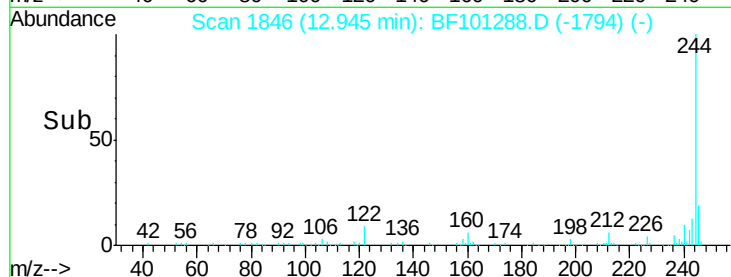
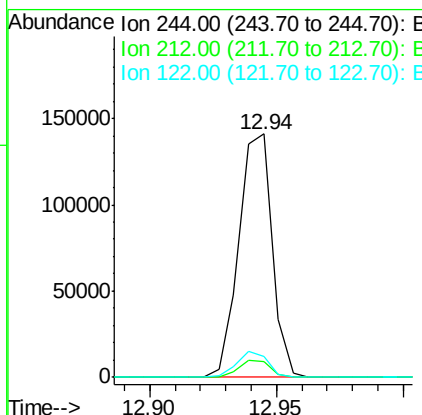
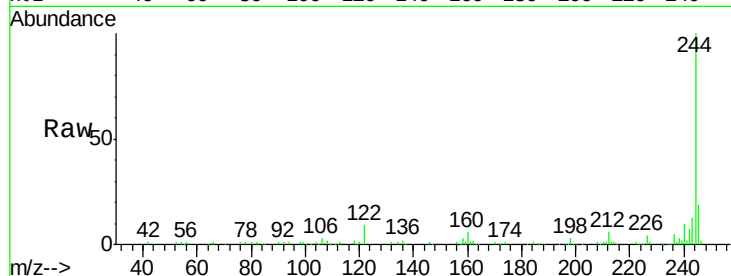




#78
 Terphenyl-d14
 Concen: 19.604 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

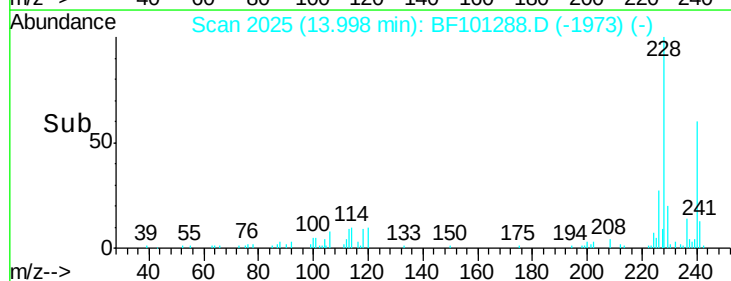
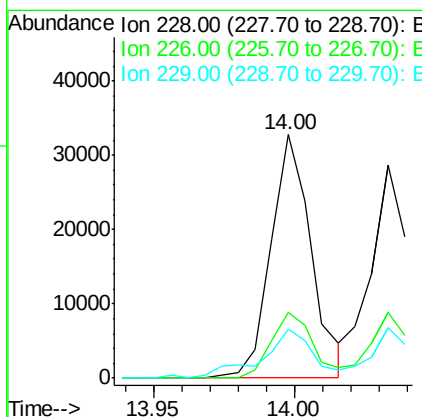
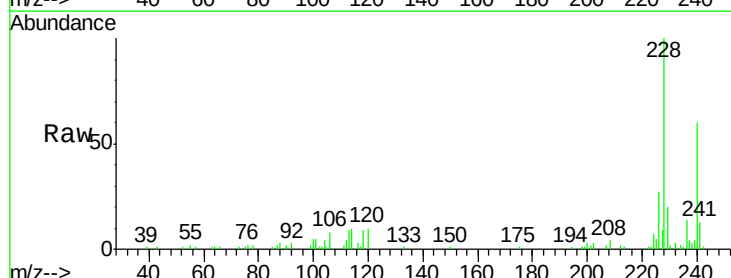
Instrument :
 BNA_F
 ClientSampleId :

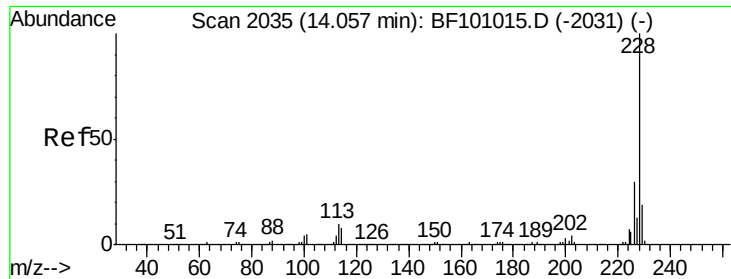
Tot Ion:244 Resp: 129061
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 8.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.585 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101288.D
 Acq: 11 Dec 2017 14:42

Tgt Ion:228 Resp: 32593
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.6 33.8
 229 20.0 15.8 23.6





#82

Chrysene

Concen: 3.147 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Instrument :

BNA_F

ClientSampleId :

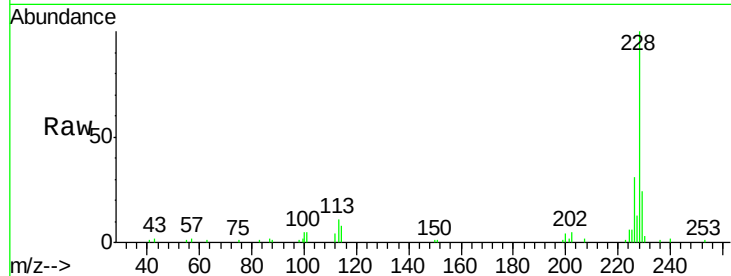
Tot Ion:228 Resp: 26569

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

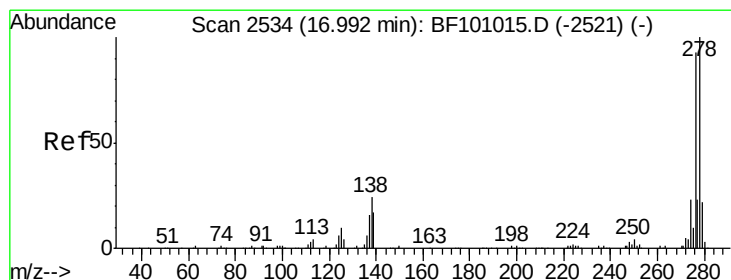
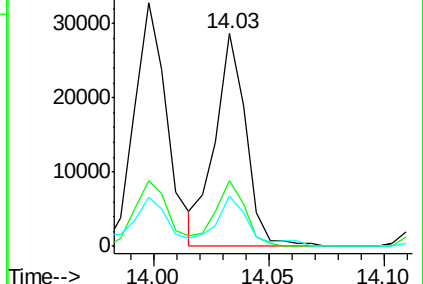
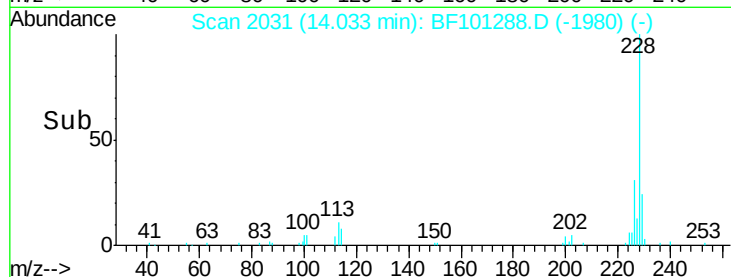
229 23.7 16.2 24.4



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: 2.169 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

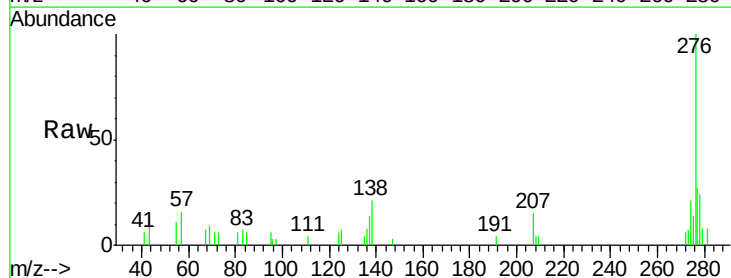
Tgt Ion:276 Resp: 16280

Ion Ratio Lower Upper

276 100

138 21.1 25.0 37.6#

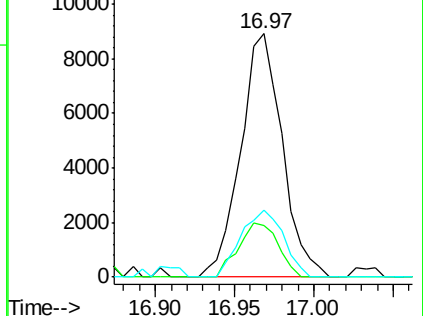
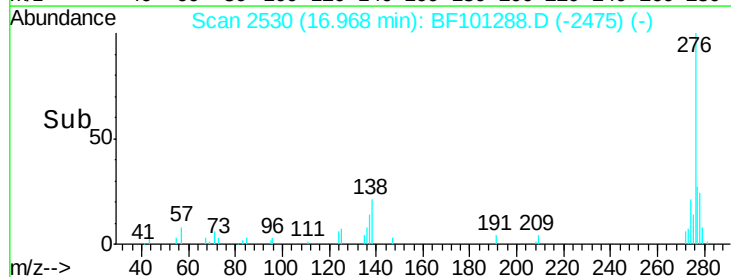
277 28.2 20.1 30.1

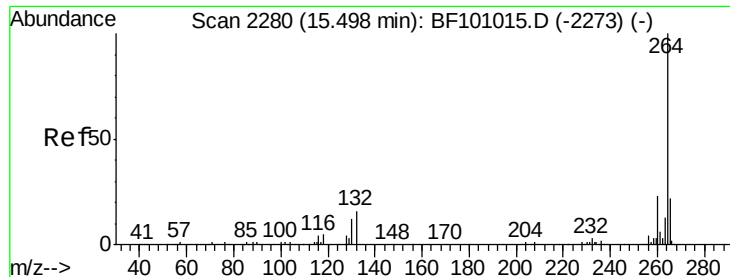


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

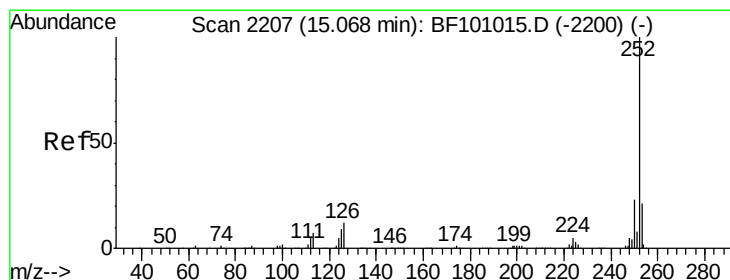
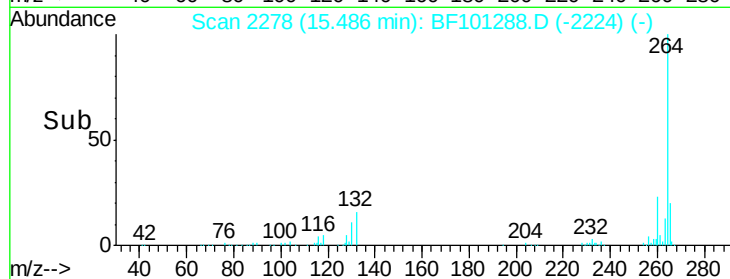
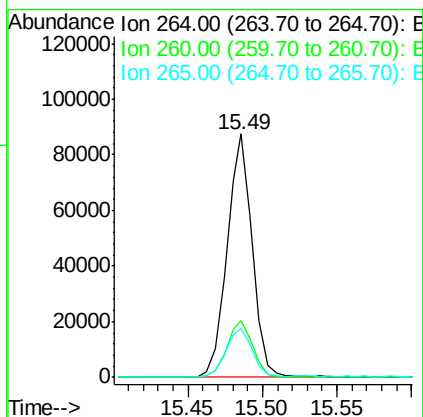
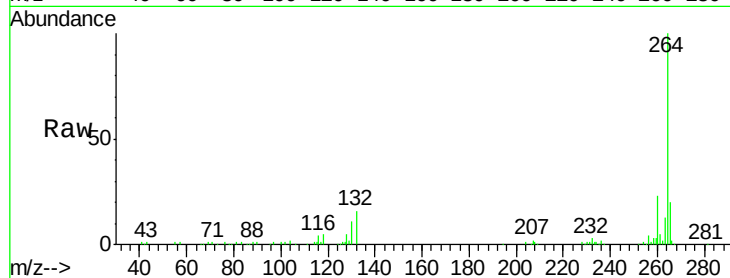




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

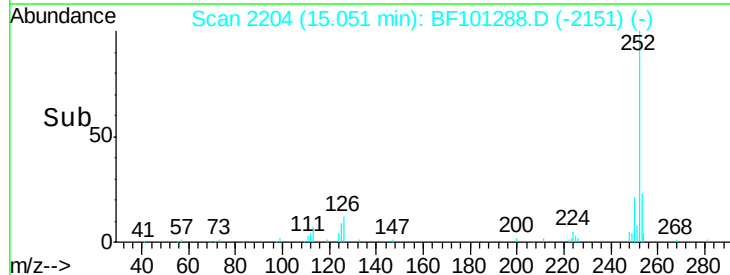
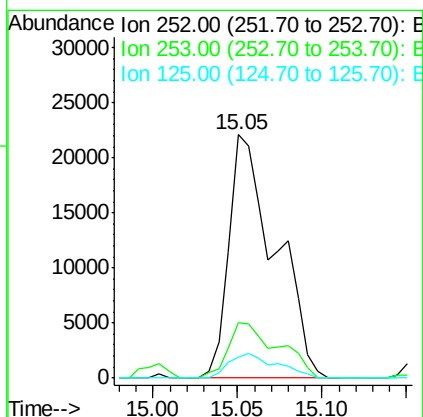
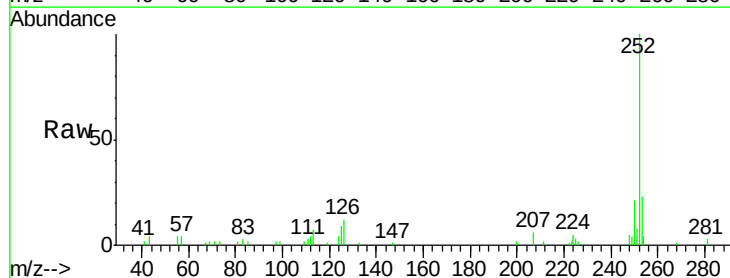
Instrument :
BNA_F
ClientSampleId :

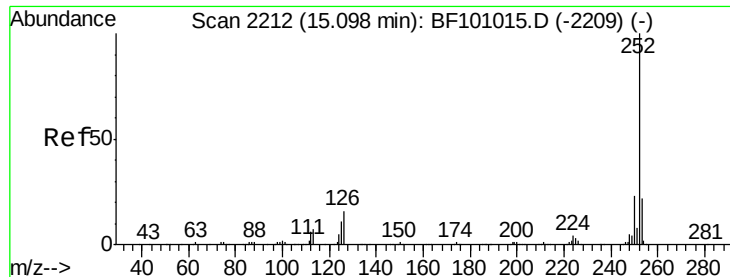
Tot Ion:264 Resp: 103258
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 20.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.778 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion:252 Resp: 41920
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 8.6 9.0 13.6#

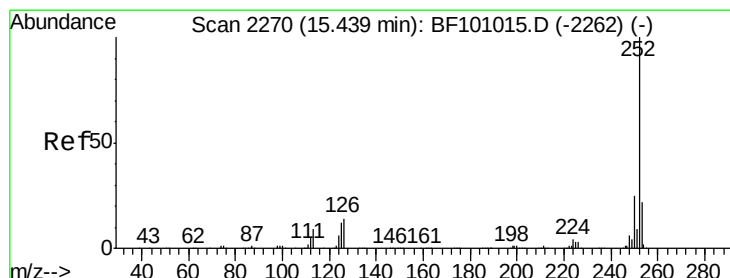
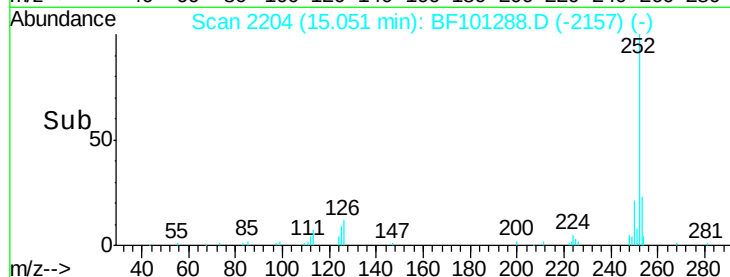
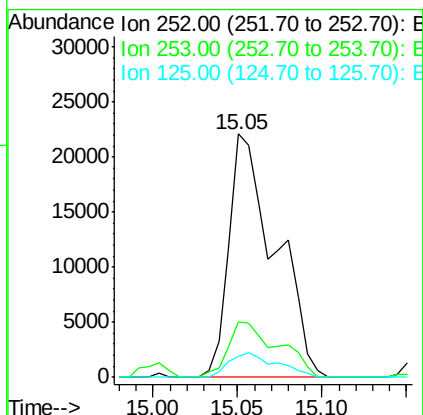
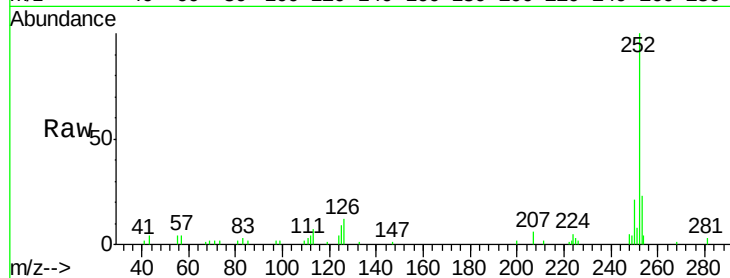




#88
Benzo(k)fluoranthene
Concen: 6.879 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

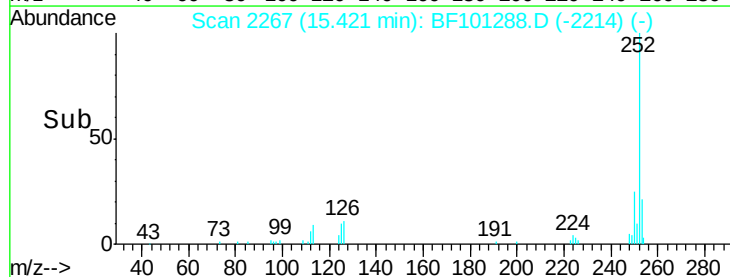
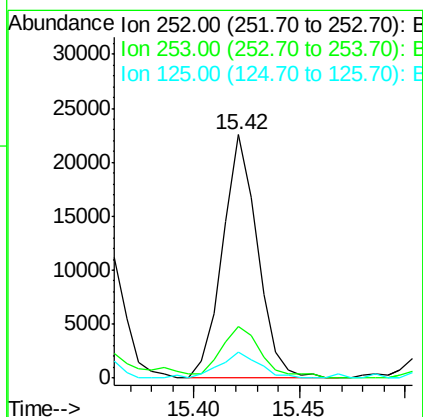
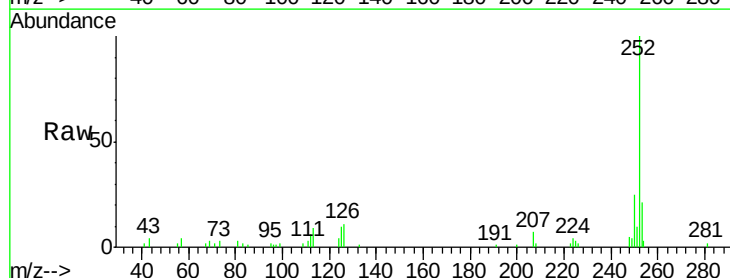
Instrument :
BNA_F
ClientSampleId :

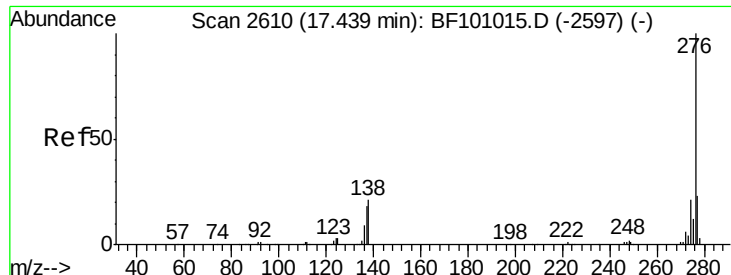
Tot Ion:252 Resp: 41920
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 8.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 4.579 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101288.D
Acq: 11 Dec 2017 14:42

Tgt Ion:252 Resp: 25748
Ion Ratio Lower Upper
252 100
253 21.0 17.1 25.7
125 10.5 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 3.155 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.02 min

Lab File: BF101288.D

Acq: 11 Dec 2017 14:42

Instrument :

BNA_F

ClientSampleId :

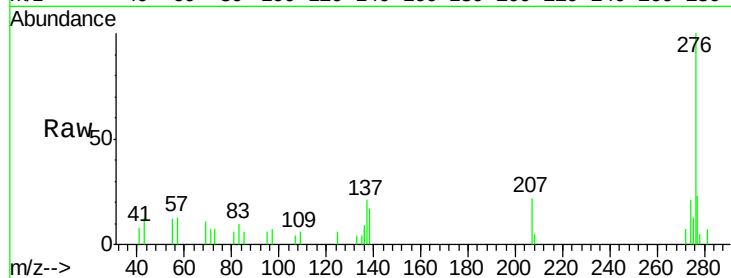
Tot Ion:276 Resp: 14739

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 16.8 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

