

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101451.D
 Acq On : 15 Dec 2017 19:00
 Operator : SJ/JU
 Sample : I6679-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 21:45:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	177770	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	684153	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	285605	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	461737	20.00	ng	0.00
75) Chrysene-d12	13.99	240	344523	20.00	ng	0.00
86) Perylene-d12	15.47	264	297207	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	260344	21.81	ng	0.00
7) Phenol-d6	6.45	99	323388	21.77	ng	0.00
23) Nitrobenzene-d5	7.38	82	186058	15.14	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	56048	20.37	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	342002	18.58	ng	0.00
78) Terphenyl-d14	12.93	244	251288	17.58	ng	0.00

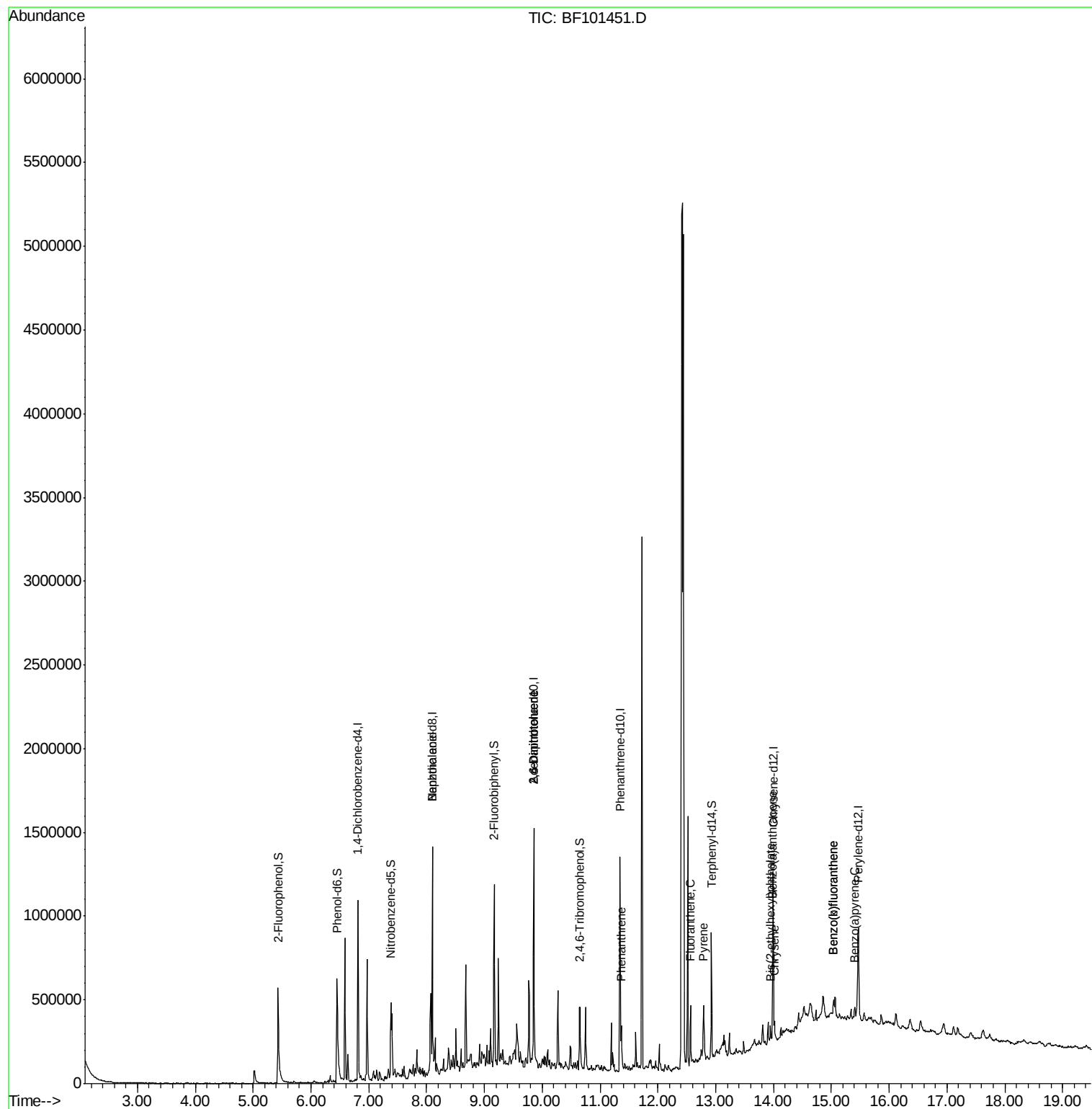
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.10	122	258	7.993	ng	# 1
50) 2,6-Dinitrotoluene	9.85	165	39423	8.443	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	39423	7.494	ng	# 24
70) Phenanthrene	11.37	178	86557	3.371	ng	97
74) Fluoranthene	12.56	202	129552	4.807	ng	97
77) Pyrene	12.79	202	113463	4.388	ng	98
80) Benzo(a)anthracene	13.98	228	50366	2.214	ng	96
82) Chrysene	14.02	228	49031	2.283	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	31209	2.106	ng	100
87) Benzo(b)fluoranthene	15.04	252	78377	4.327	ng	# 91
88) Benzo(k)fluoranthene	15.04	252	78377	4.450	ng	# 94
89) Benzo(a)pyrene	15.41	252	40477	2.424	ng	# 93

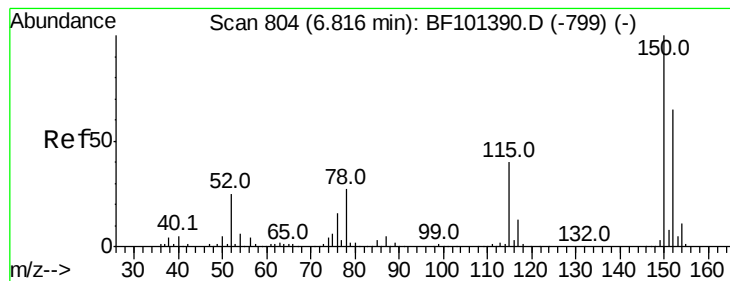
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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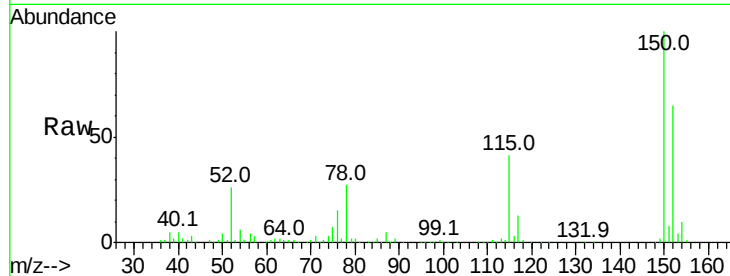


#1

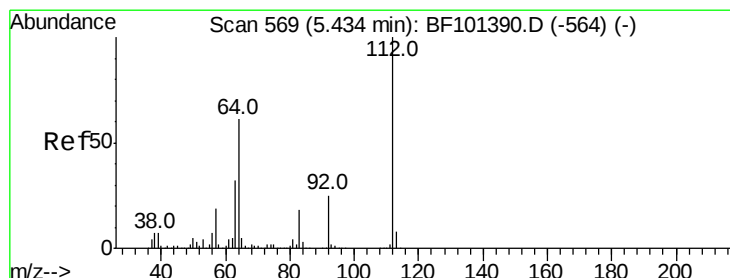
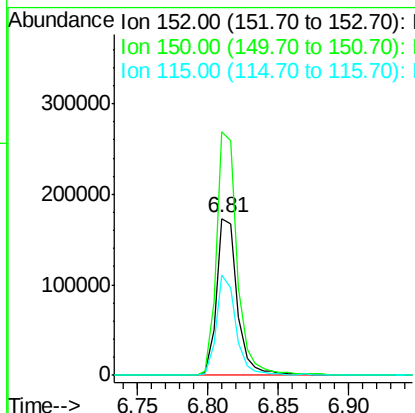
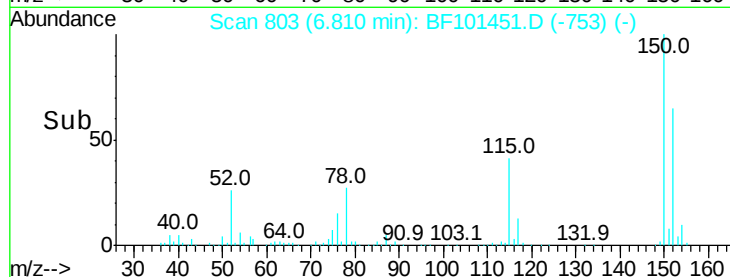
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 177770
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 63.6 50.1 75.1



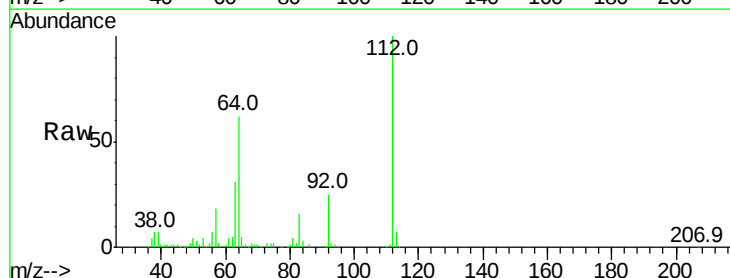
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



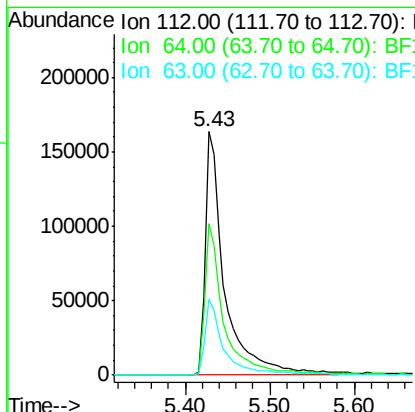
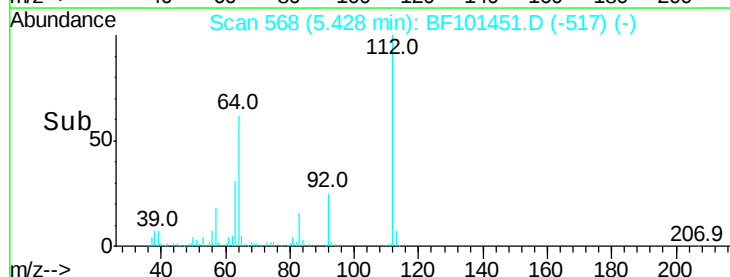
#5

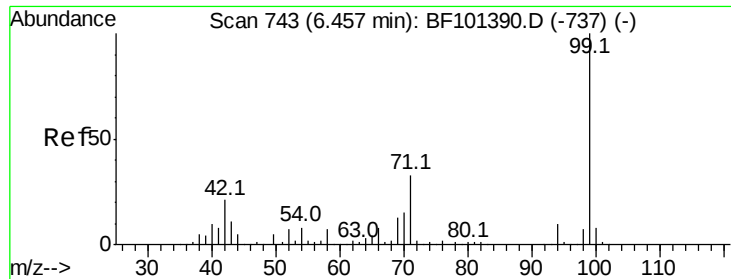
2-Fluorophenol
Concen: 21.815 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Tgt Ion:112 Resp: 260344
Ion Ratio Lower Upper
112 100
64 62.4 47.9 71.9
63 31.1 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: 21.773 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

ClientSampleId :

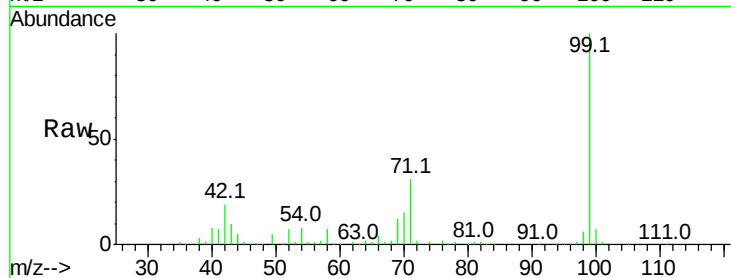
Tot Ion: 99 Resp: 323388

Ion Ratio Lower Upper

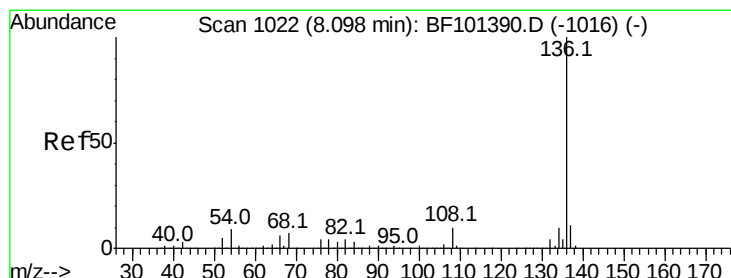
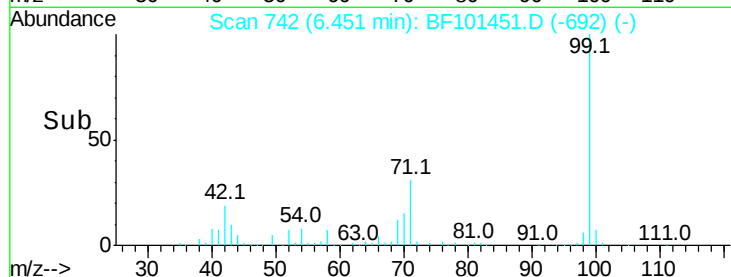
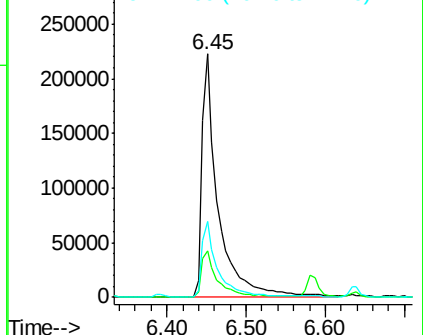
99 100

42 18.9 14.5 21.7

71 31.2 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: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt Ion: 136 Resp: 684153

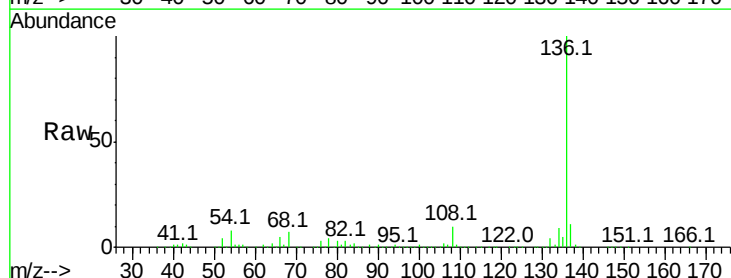
Ion Ratio Lower Upper

136 100

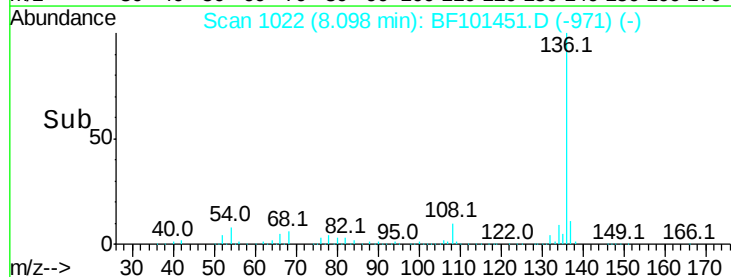
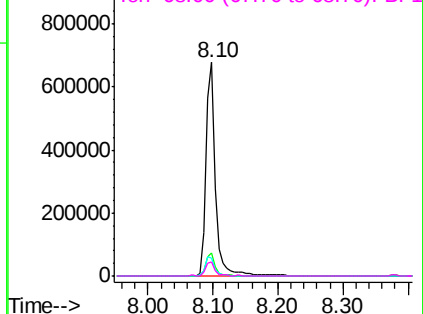
137 10.9 8.9 13.3

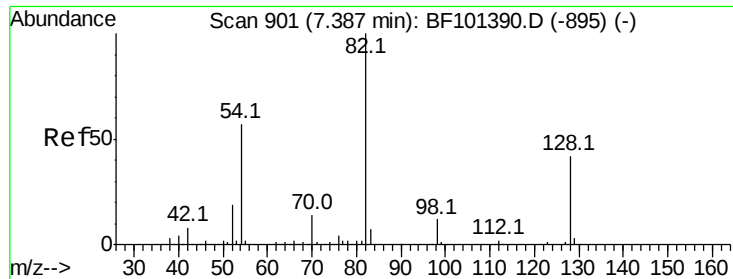
54 8.2 6.6 9.8

68 6.5 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

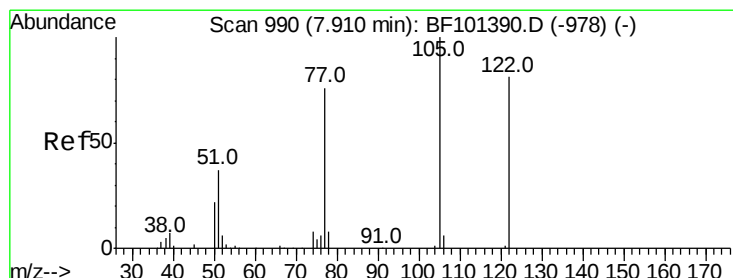
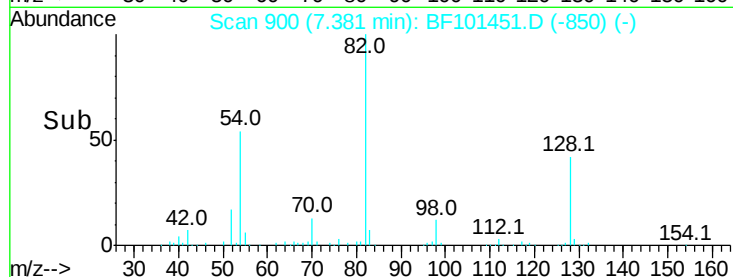
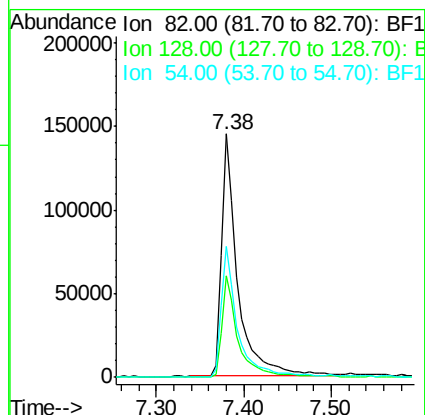
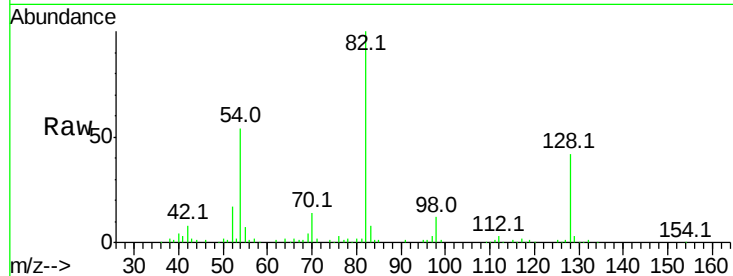




#23
 Nitrobenzene-d5
 Concen: 15.139 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

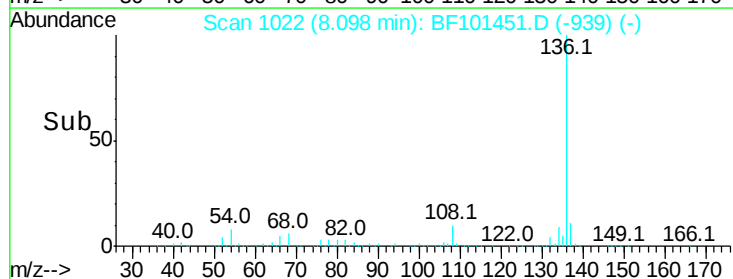
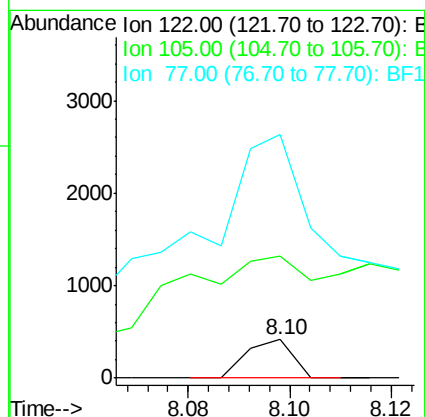
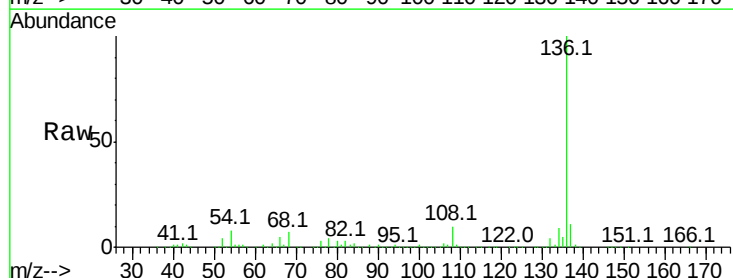
Instrument :
 BNA_F
 ClientSampleId :

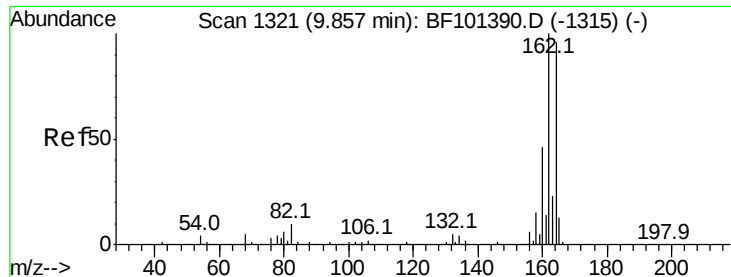
Tot Ion: 82 Resp: 186058
 Ion Ratio Lower Upper
 82 100
 128 41.6 36.1 54.1
 54 53.7 41.4 62.2



#32
 Benzoic acid
 Concen: 7.993 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. 0.19 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion: 122 Resp: 258
 Ion Ratio Lower Upper
 122 100
 105 318.4 101.1 141.1#
 77 637.5 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

ClientSampleId :

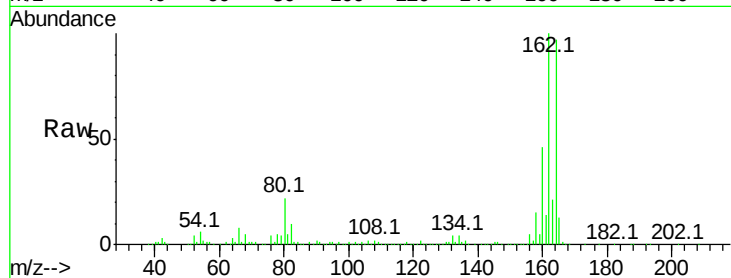
Tot Ion:164 Resp: 285605

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

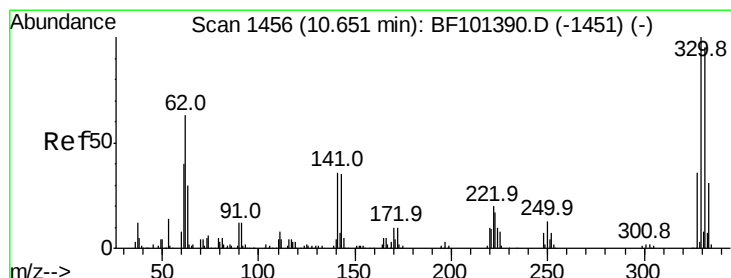
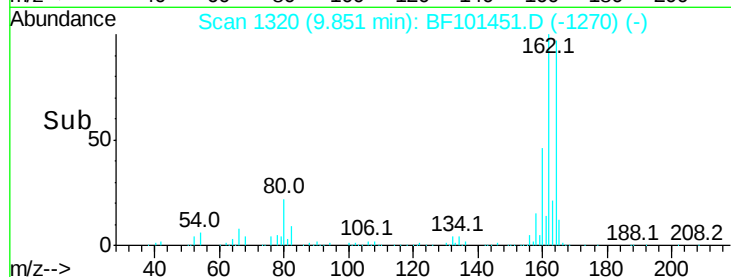
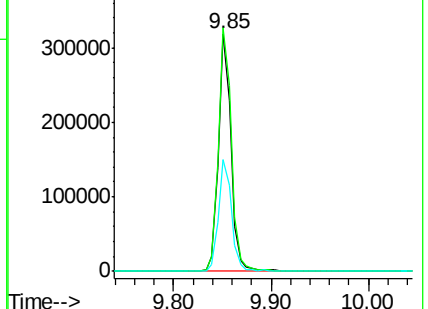
160 47.3 38.3 57.5



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: 20.366 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

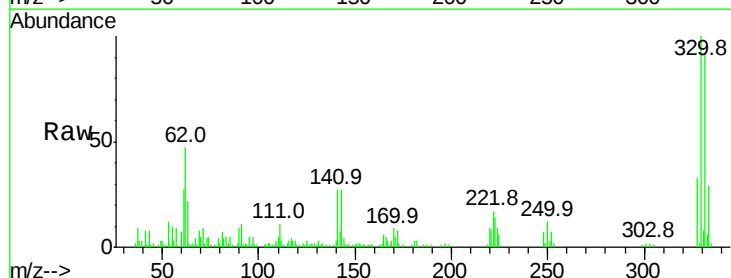
Tgt Ion:330 Resp: 56048

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

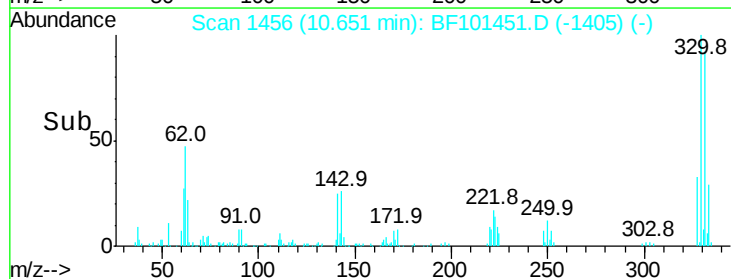
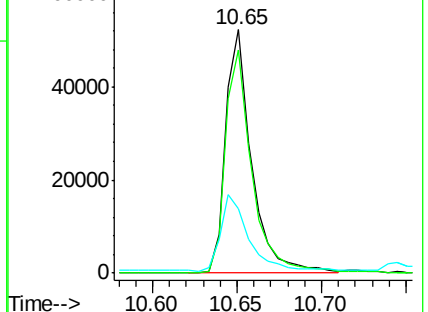
141 34.7 29.9 44.9

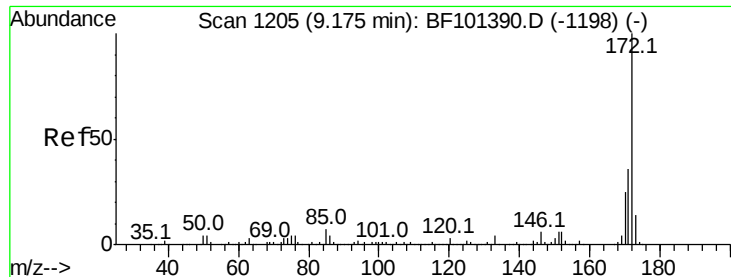


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

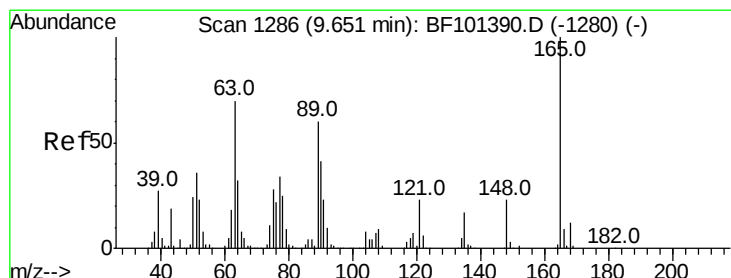
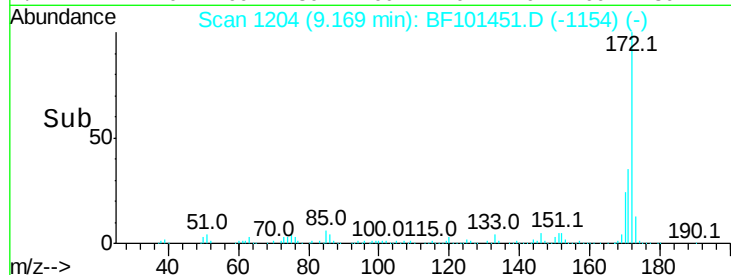
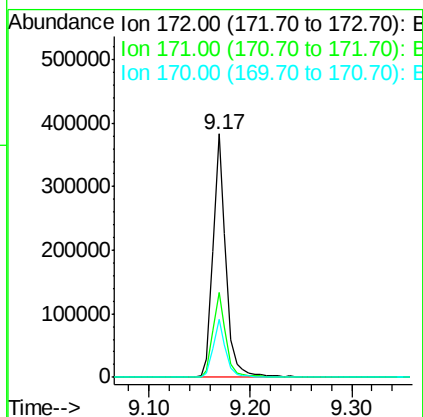
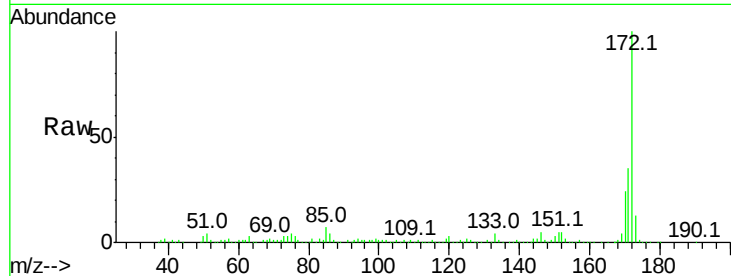




#44
 2-Fluorobiphenyl
 Concen: 18.576 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

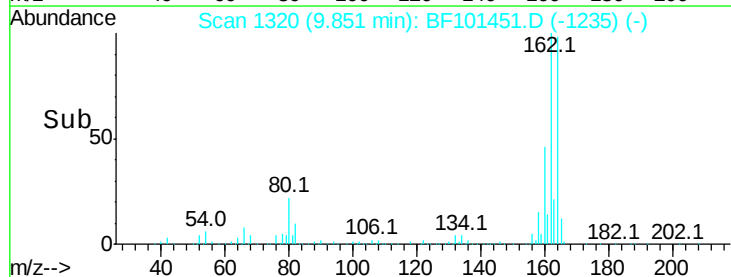
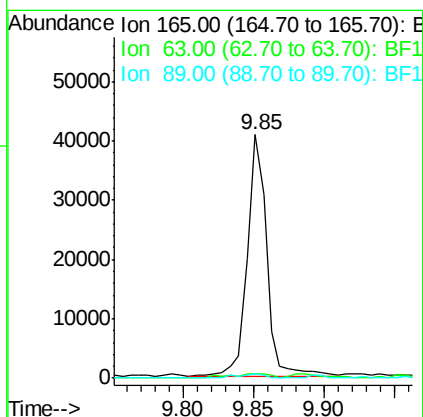
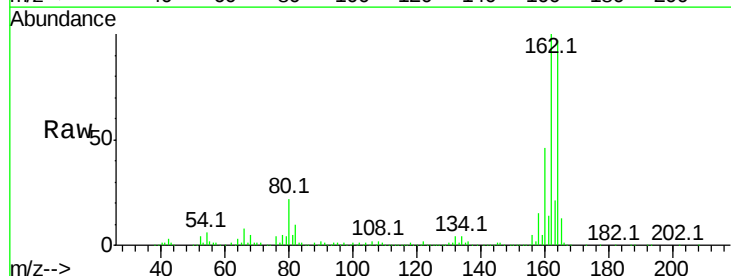
Instrument :
 BNA_F
 ClientSampleId :

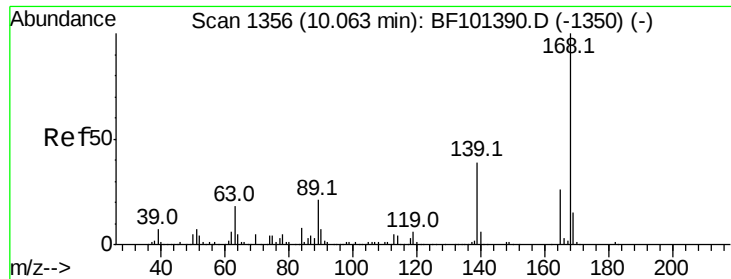
Tot Ion:172 Resp: 342002
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.9 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.443 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion:165 Resp: 39423
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.6 44.0 66.0#

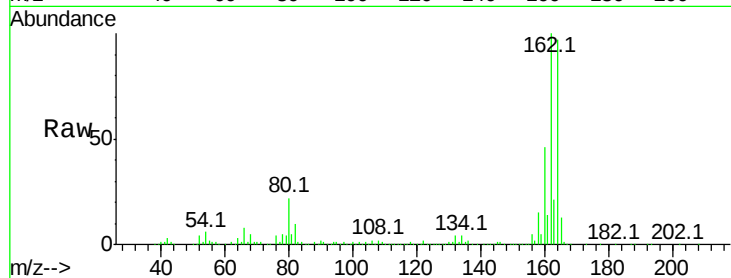




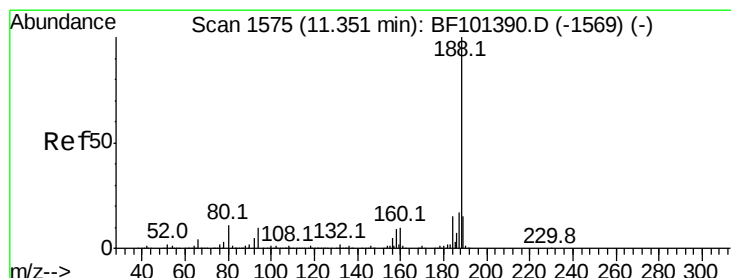
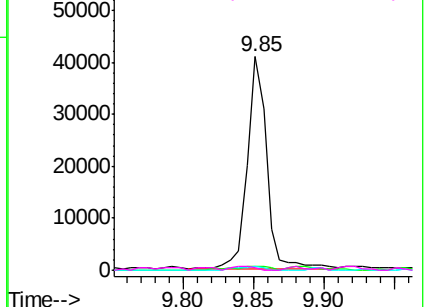
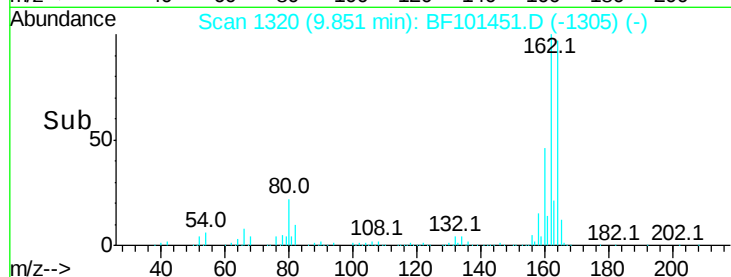
#56
 2,4-Dinitrotoluene
 Concen: 7.494 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 39423
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.6 57.8 86.6#
 182 1.1 1.6 2.4#

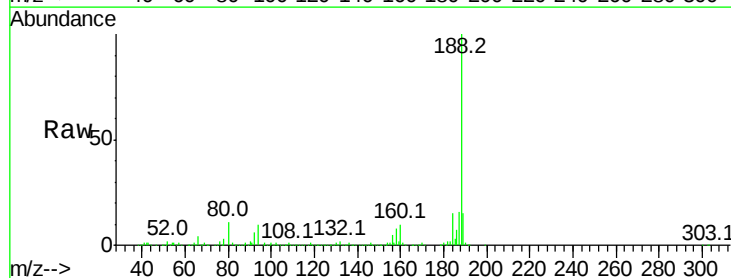


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

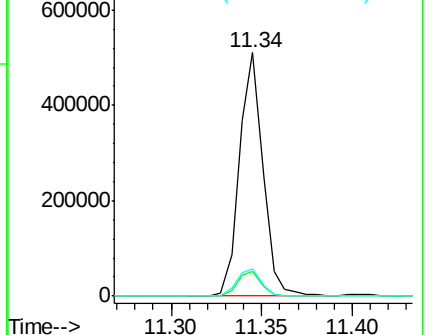
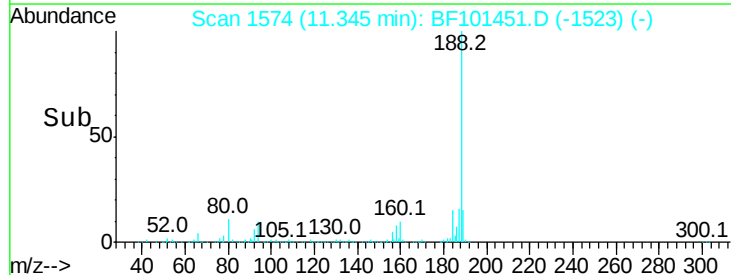


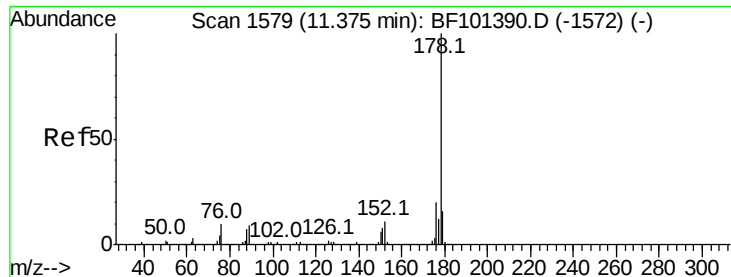
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion:188 Resp: 461737
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 11.0 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: 3.371 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

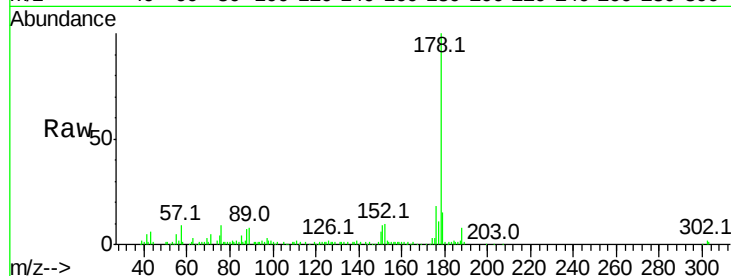
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 86557

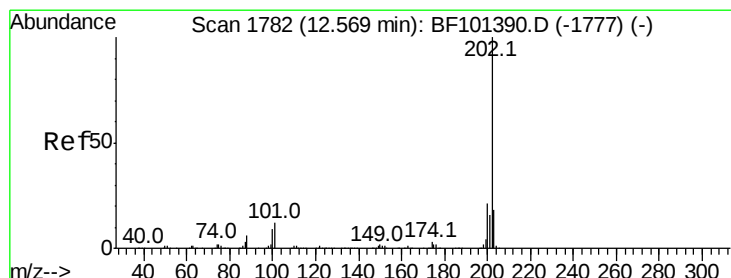
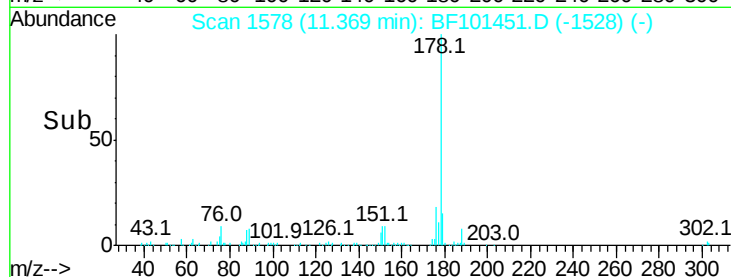
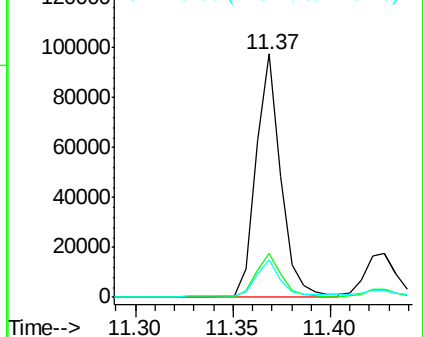
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.2	13.0	19.6



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



#74

Fluoranthene

Concen: 4.807 ng

RT: 12.56 min Scan# 1781

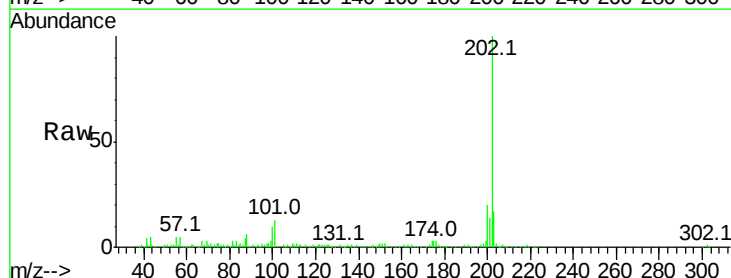
Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt Ion:202 Resp: 129552

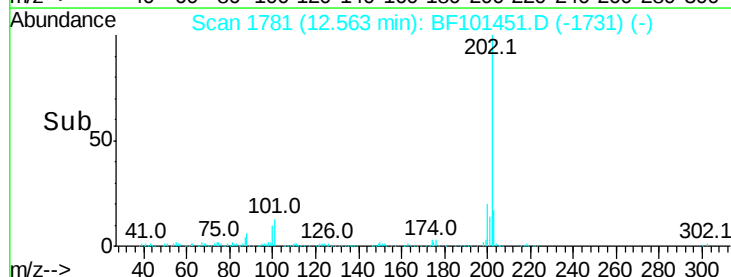
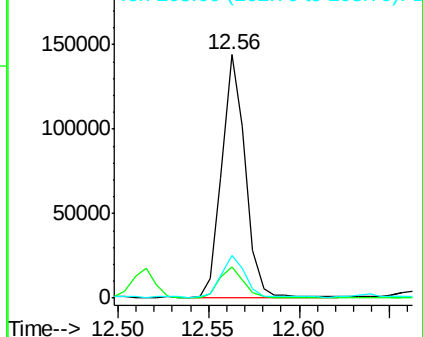
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.4	0.0	38.1

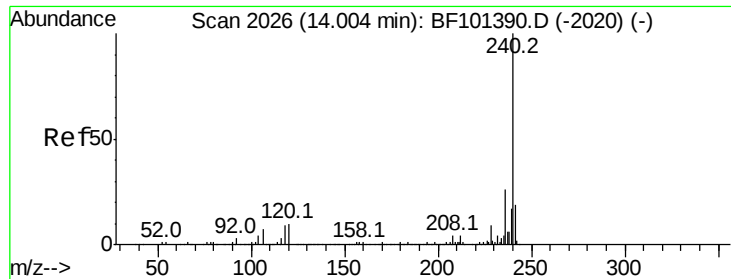


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

ClientSampled :

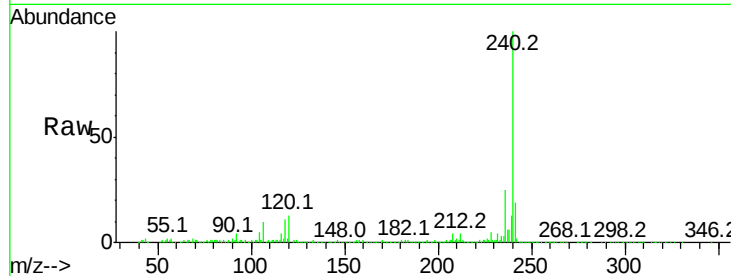
Tot Ion:240 Resp: 344523

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

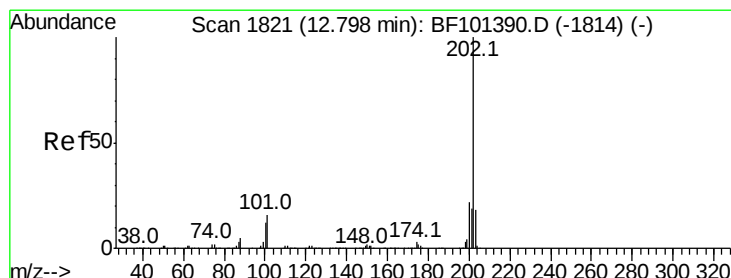
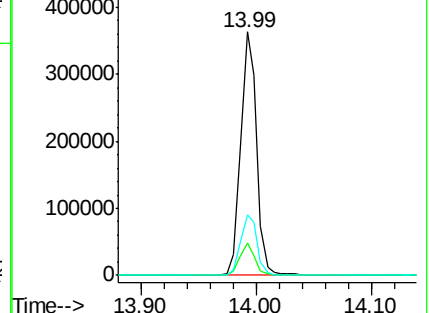
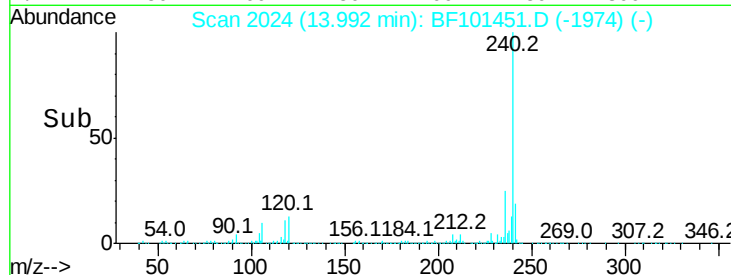
236 25.1 20.7 31.1



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: 4.388 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

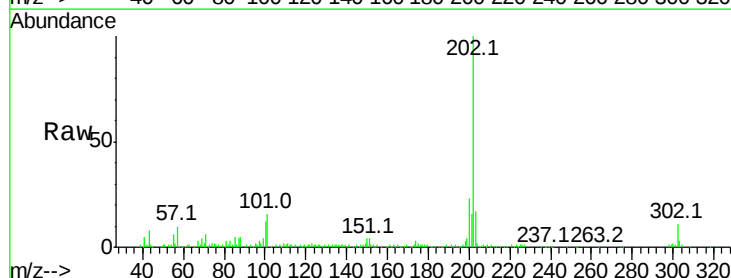
Tgt Ion:202 Resp: 113463

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

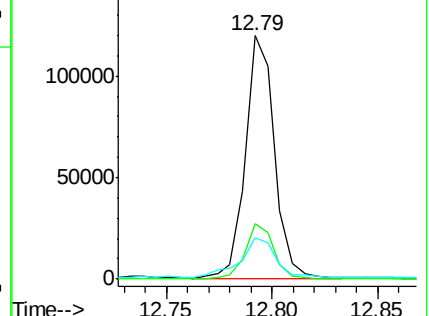
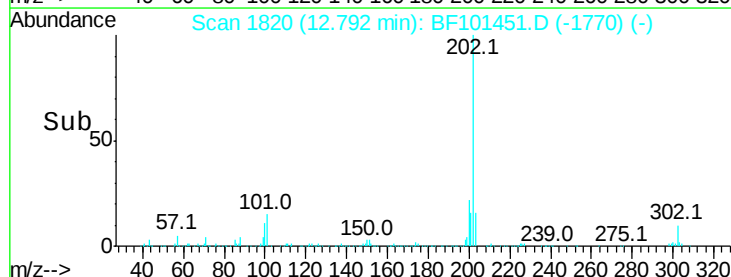
203 17.1 14.3 21.5

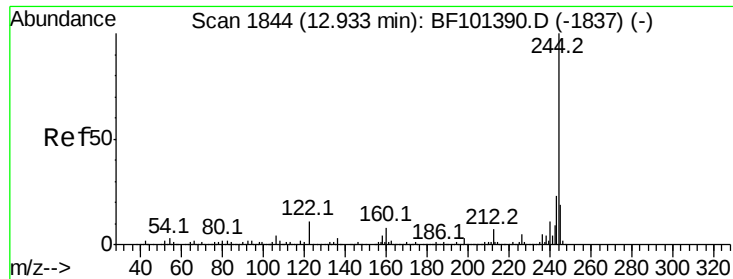


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

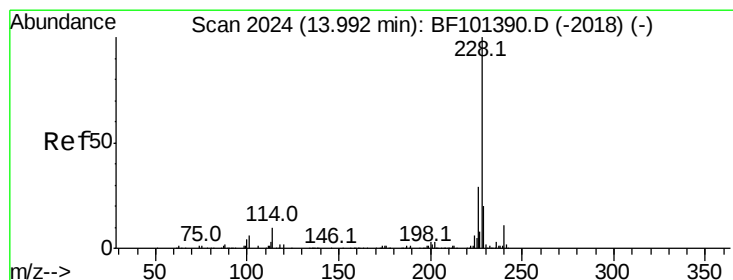
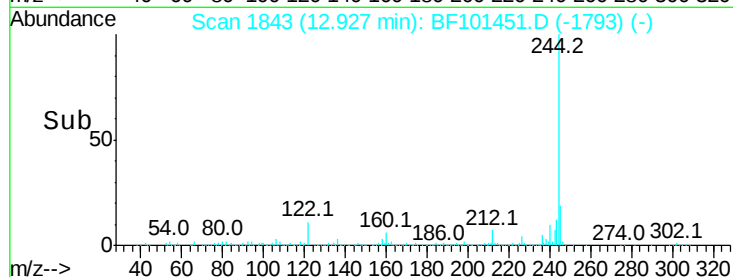
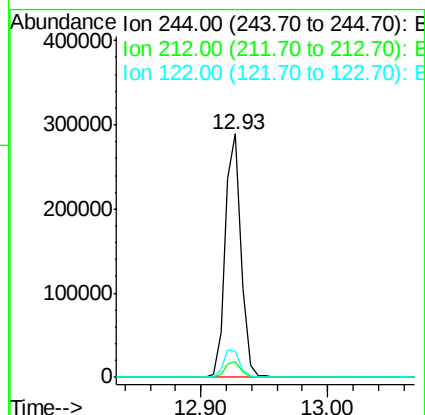
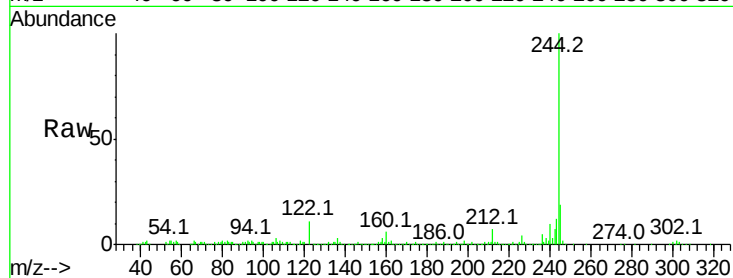




#78
 Terphenyl-d14
 Concen: 17.584 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

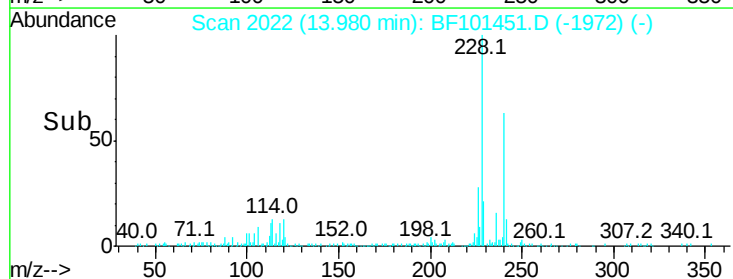
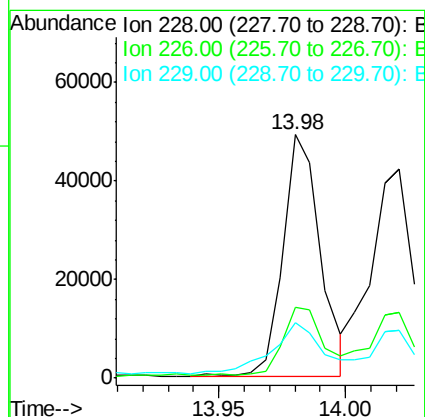
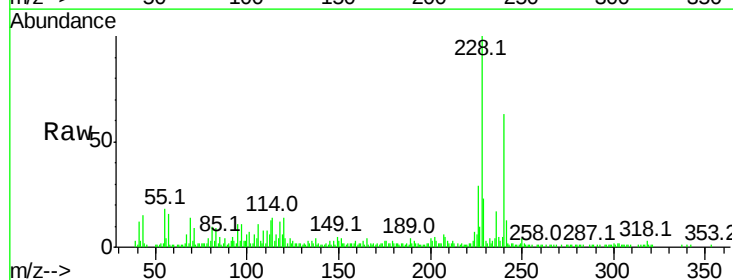
Instrument :
 BNA_F
 ClientSampleId :

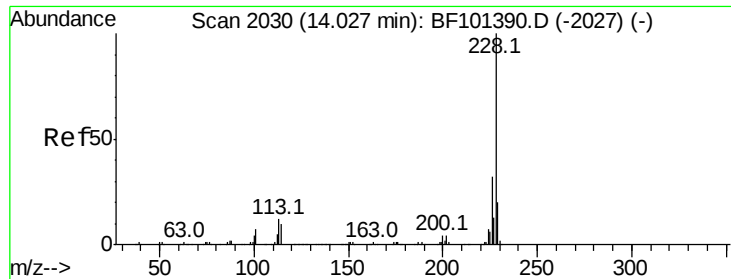
Tot Ion:244 Resp: 251288
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.214 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion:228 Resp: 50366
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 22.7 15.8 23.6

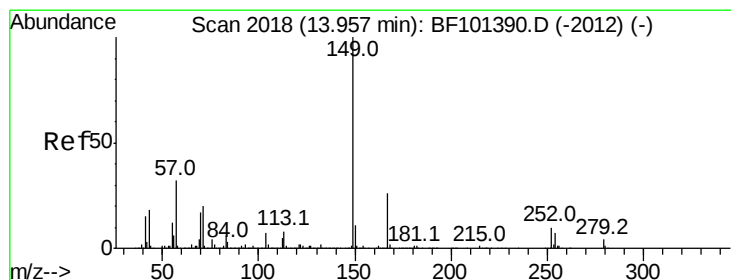
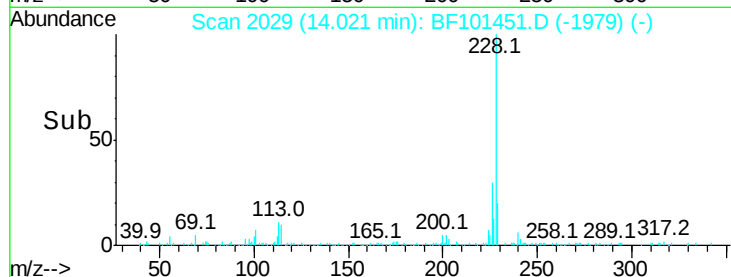
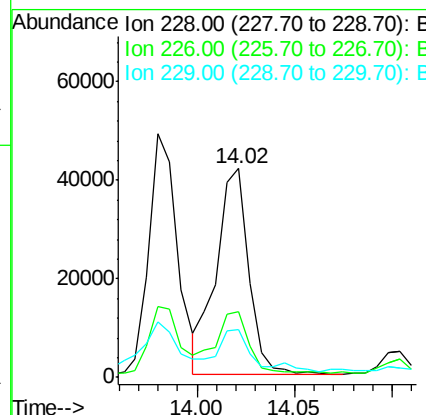
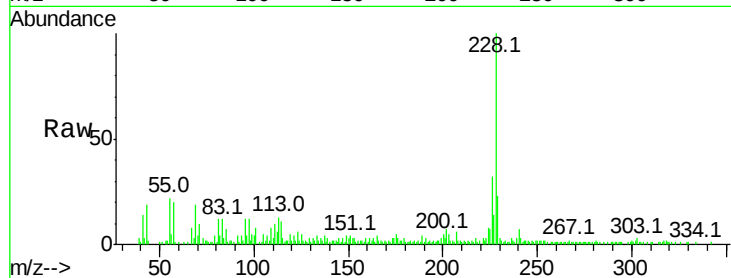




#82
 Chrysene
 Concen: 2.283 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

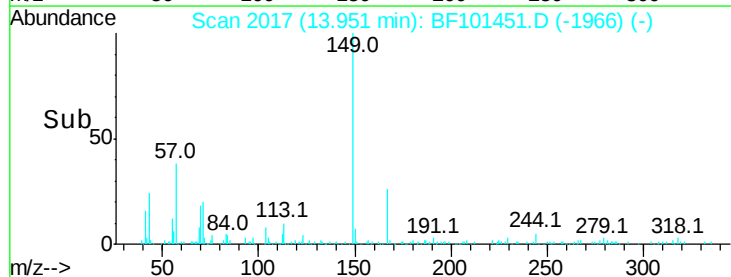
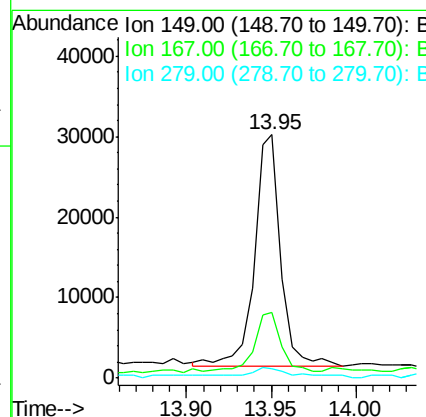
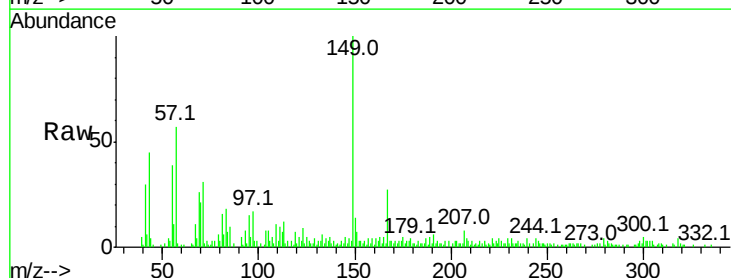
Instrument :
 BNA_F
 ClientSampleId :

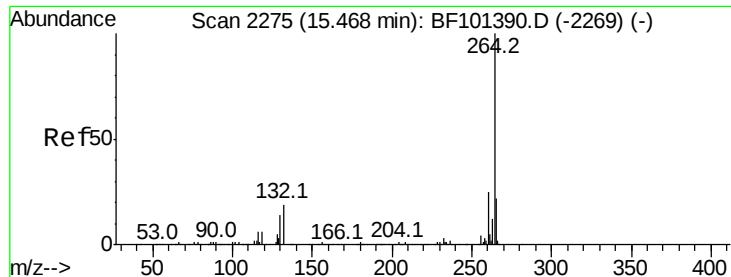
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.8	16.2	24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.106 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.3	31.9
279	4.1	3.0	4.4

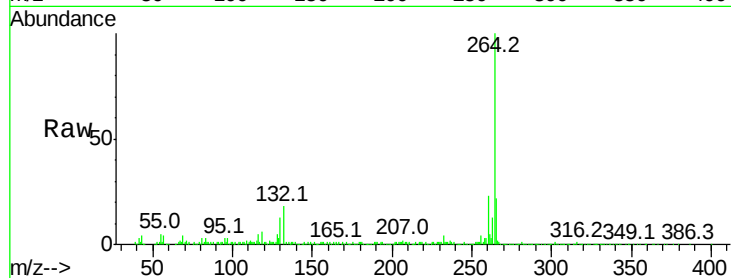




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3

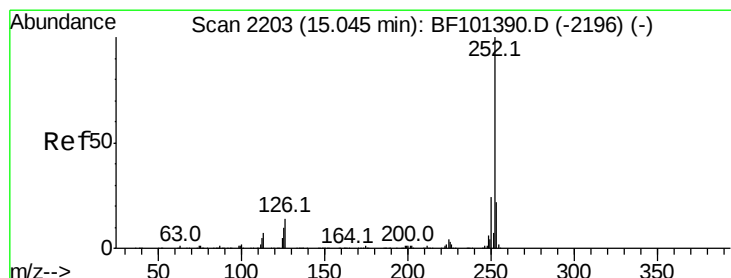
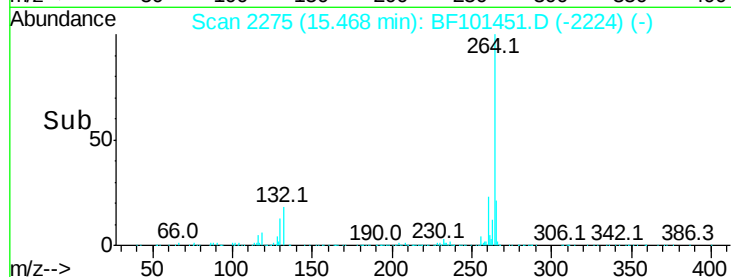
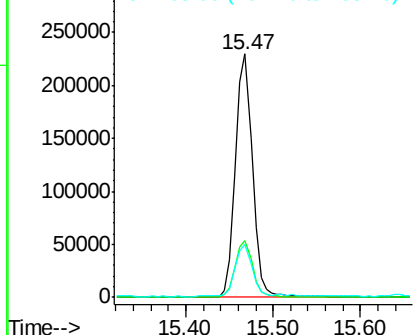


Abundance

Ion 264.00 (263.70 to 264.70): E

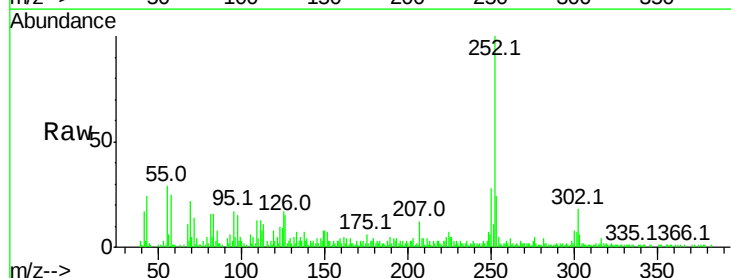
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 4.327 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	17.2	9.0	13.6

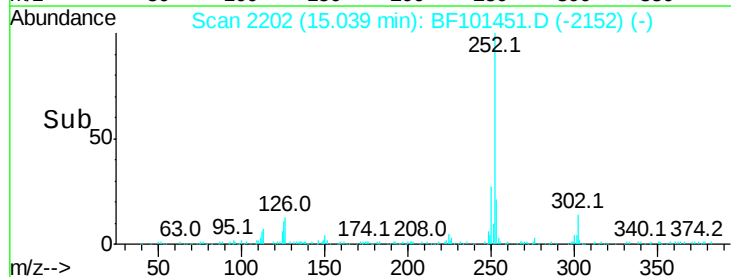
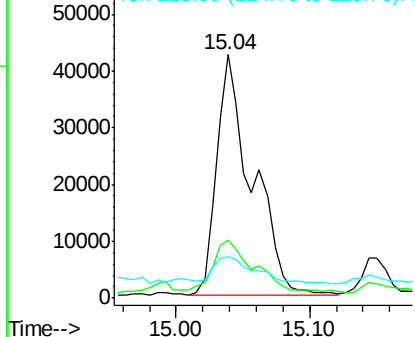


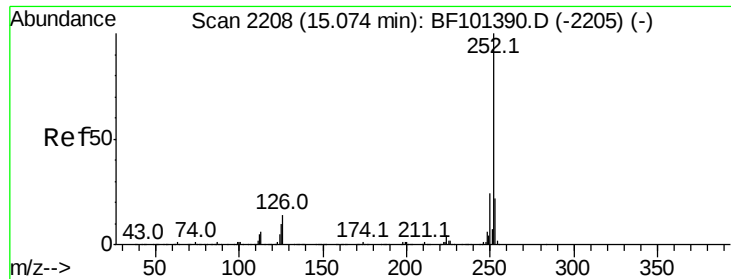
Abundance

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: 4.450 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF101451.D

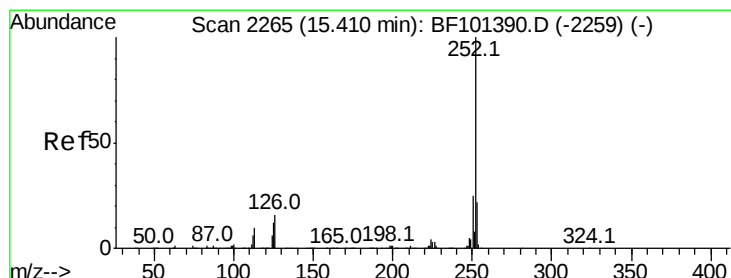
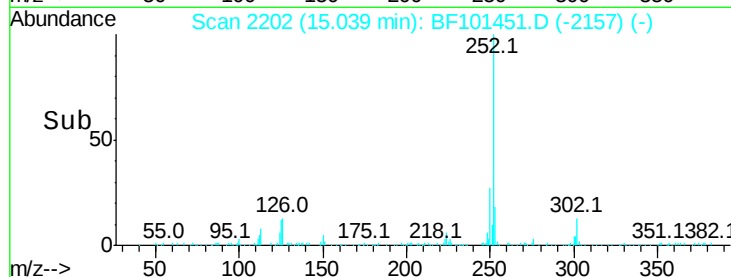
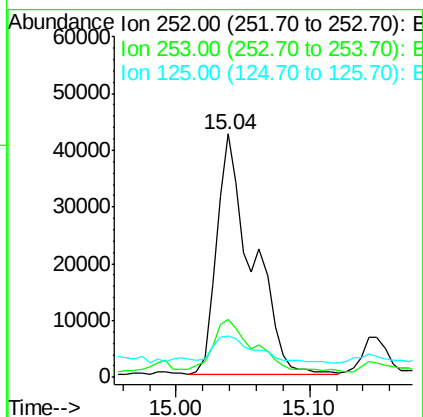
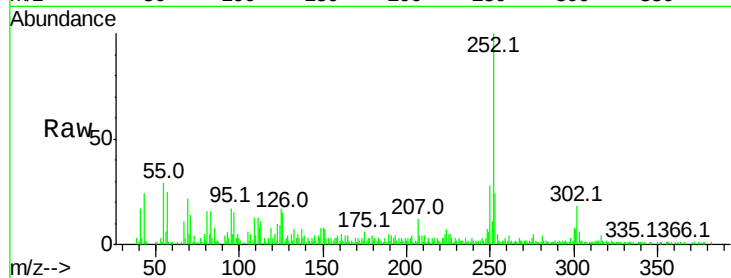
Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	78377
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.9 26.9
125	17.2	10.2 15.2#



#89

Benzo(a)pyrene

Concen: 2.424 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt Ion:252	Resp:	40477
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.1 25.7
125	19.2	9.8 14.6#

