

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102390.D
 Acq On : 24 Jan 2018 15:35
 Operator : SJ/JU
 Sample : J1235-07 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:07:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	131040	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	546816	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	254332	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	448650	20.00	ng	0.00
75) Chrysene-d12	13.87	240	391396	20.00	ng	0.00
86) Perylene-d12	15.29	264	332782	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	205502	23.78	ng	-0.01
7) Phenol-d6	6.35	99	252538	24.24	ng	-0.01
23) Nitrobenzene-d5	7.27	82	147011	15.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	59063	23.44	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	264931	15.32	ng	-0.01
78) Terphenyl-d14	12.82	244	275102	15.85	ng	0.00

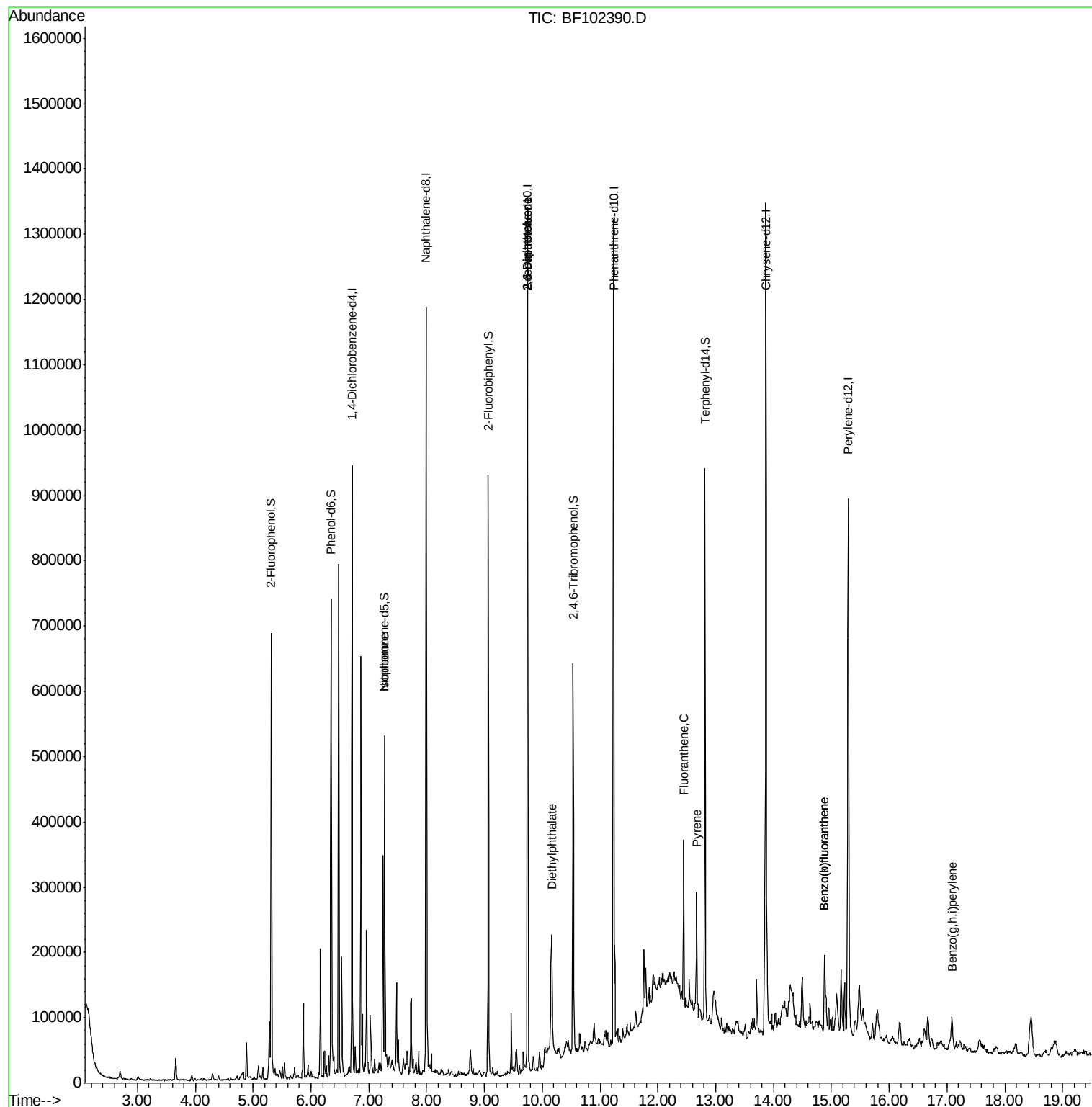
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.27	82	145350	8.568	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	32542	7.180	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	32542	5.839	ng	# 24
59) Diethylphthalate	10.16	149	108712	5.322	ng	99
74) Fluoranthene	12.45	202	86084	3.229	ng	97
77) Pyrene	12.67	202	72996	2.412	ng	98
87) Benzo(b)fluoranthene	14.89	252	71904	3.334	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	71904	3.528	ng	95
91) Benzo(g,h,i)perylene	17.09	276	36162	2.324	ng	99

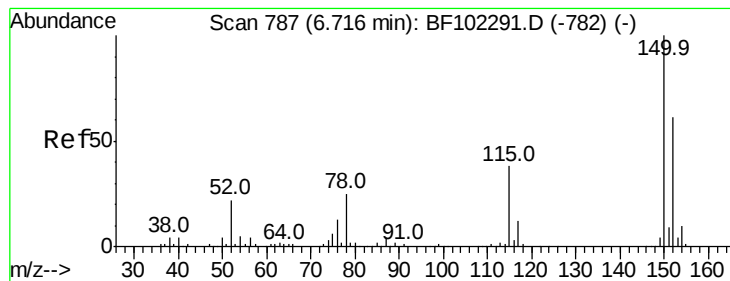
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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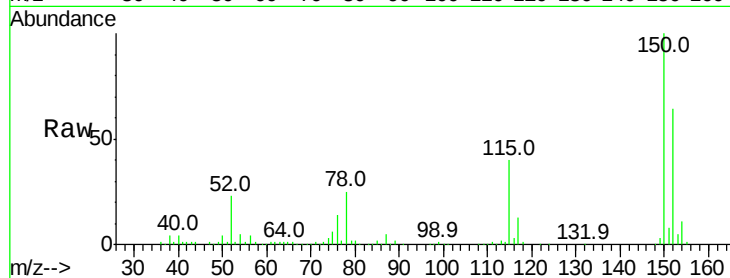


#1

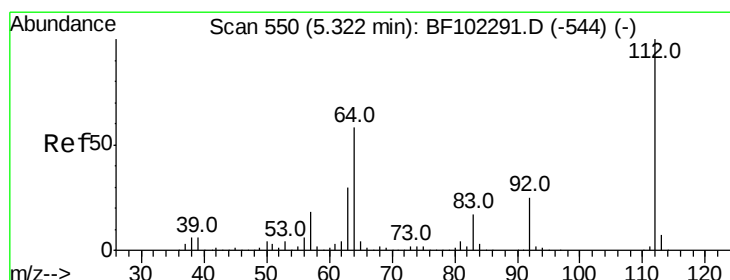
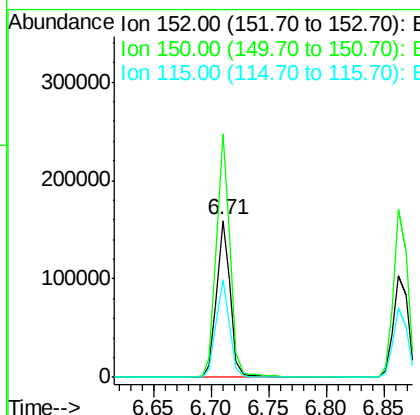
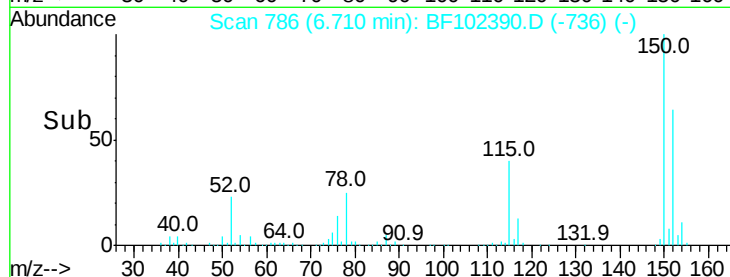
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131040
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 62.1 50.1 75.1



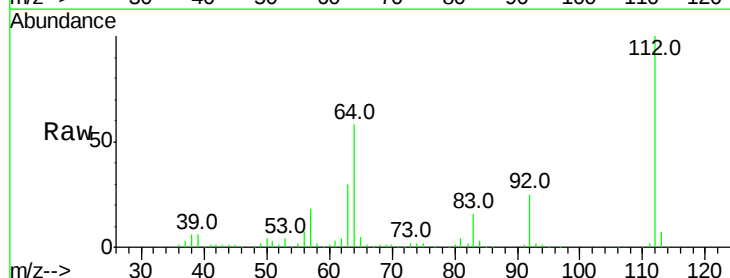
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



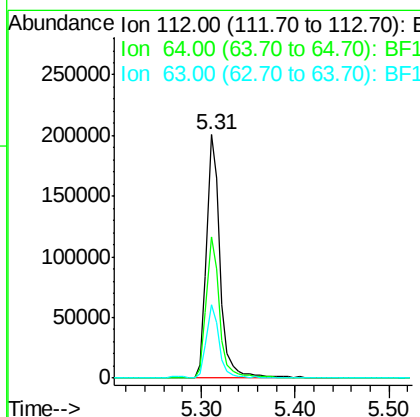
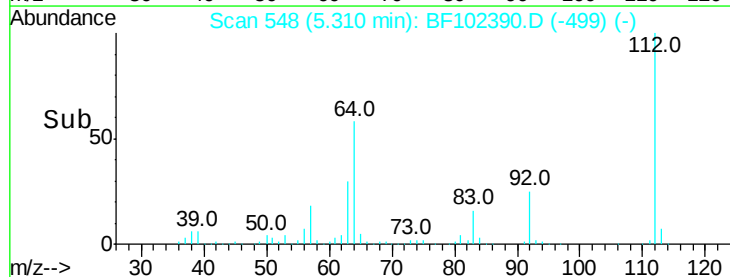
#5

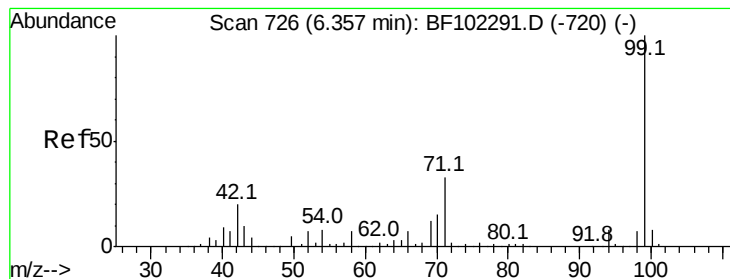
2-Fluorophenol
Concen: 23.779 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

Tgt Ion:112 Resp: 205502
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 30.1 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: 24.238 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Instrument :

BNA_F

ClientSampleId :

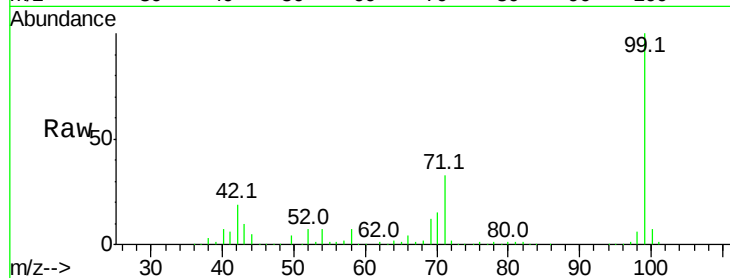
Tot Ion: 99 Resp: 252538

Ion Ratio Lower Upper

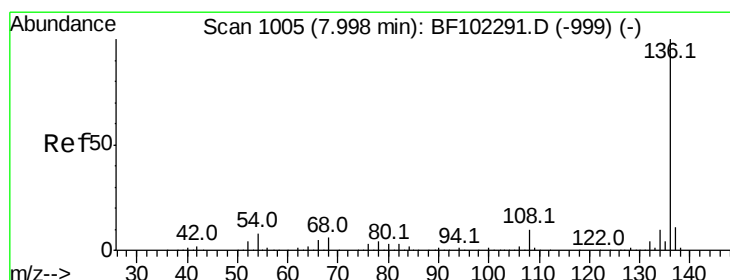
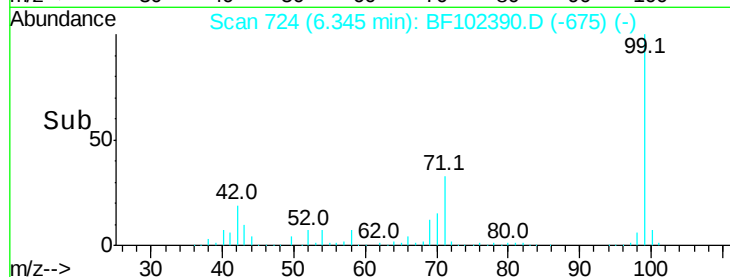
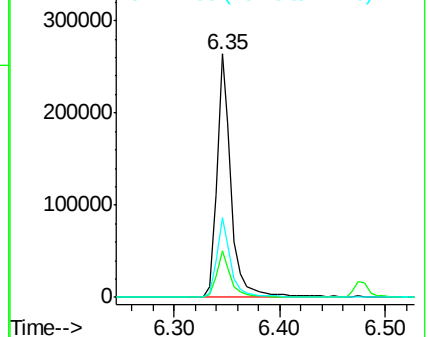
99 100

42 19.3 14.5 21.7

71 32.9 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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Tgt Ion: 136 Resp: 546816

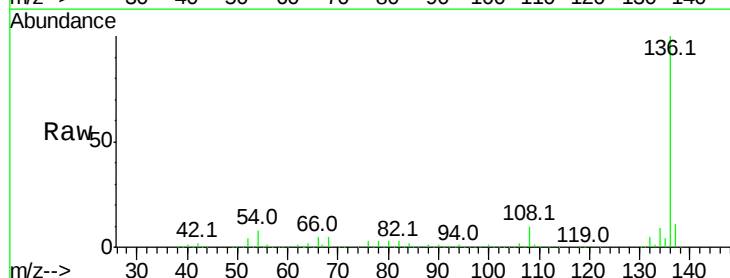
Ion Ratio Lower Upper

136 100

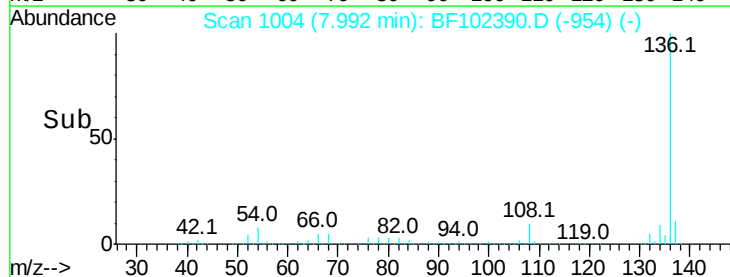
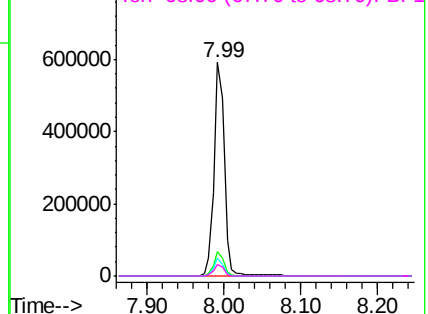
137 11.3 8.9 13.3

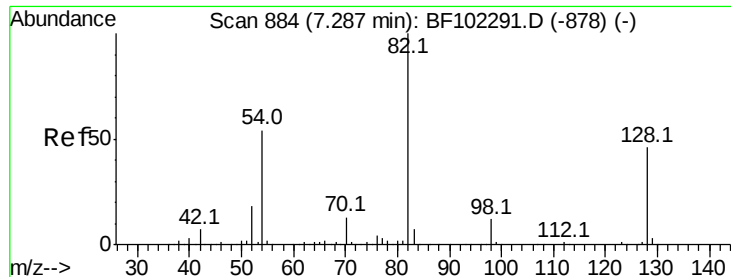
54 8.2 6.6 9.8

68 5.5 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

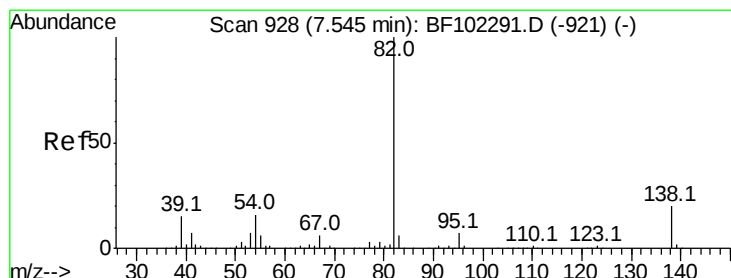
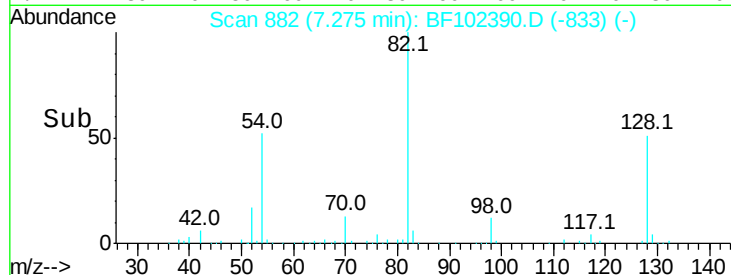
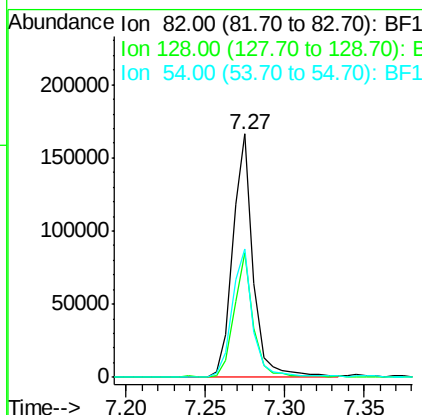
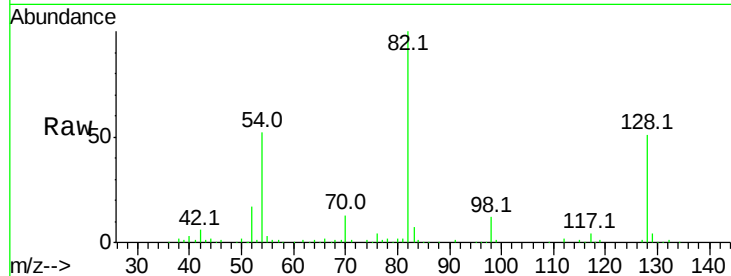




#23
 Nitrobenzene-d5
 Concen: 15.450 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF102390.D
 Acq: 24 Jan 2018 15:35

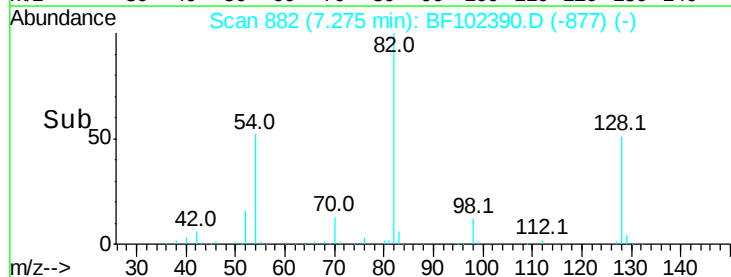
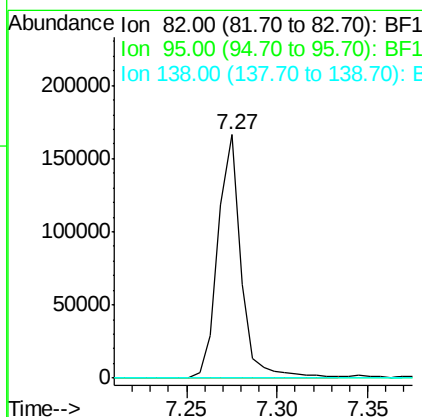
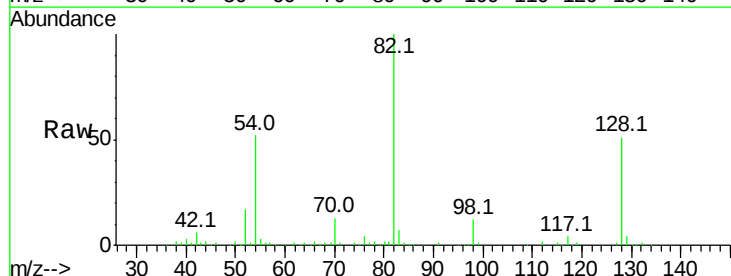
Instrument :
 BNA_F
 ClientSampleId :

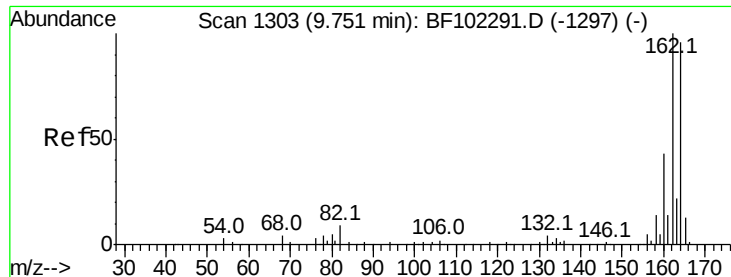
Tot Ion: 82 Resp: 147011
 Ion Ratio Lower Upper
 82 100
 128 51.0 36.1 54.1
 54 52.5 41.4 62.2



#25
 Isophorone
 Concen: 8.568 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.27 min
 Lab File: BF102390.D
 Acq: 24 Jan 2018 15:35

Tgt Ion: 82 Resp: 145350
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.2 7.8#
 138 0.0 14.9 22.3#

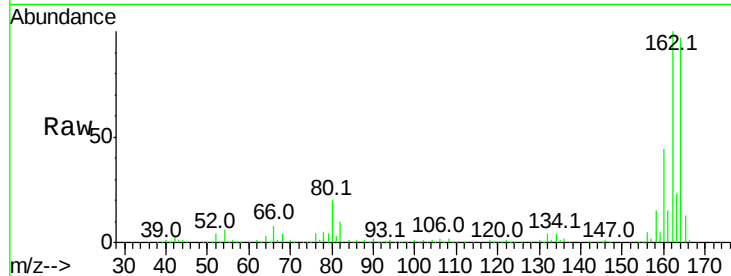




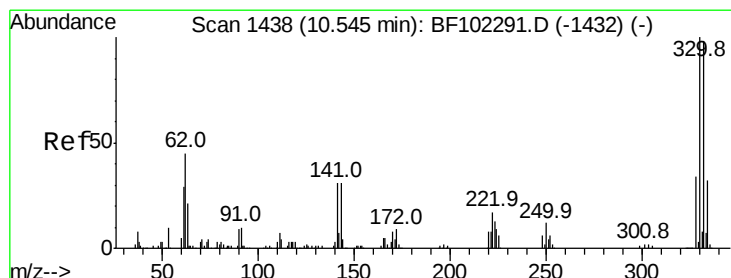
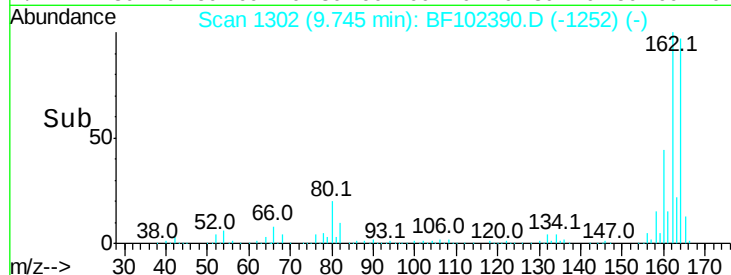
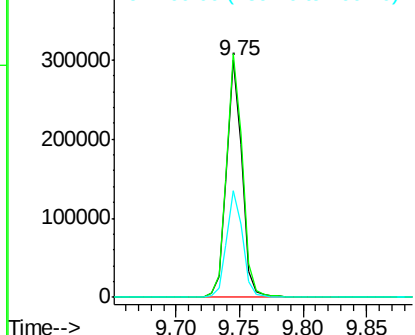
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 254332
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 44.8 38.3 57.5

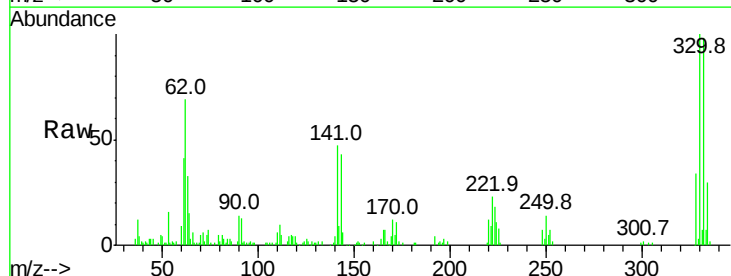


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

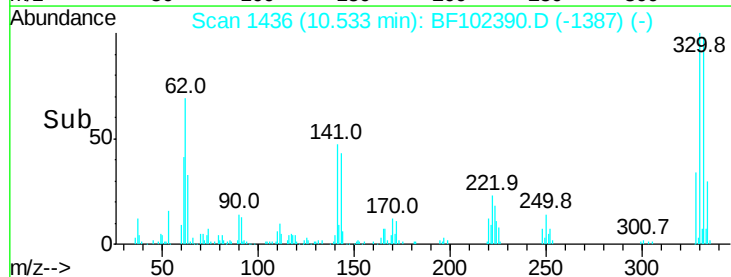
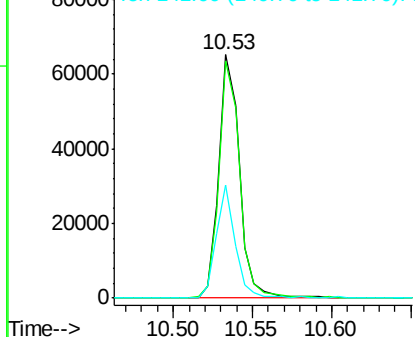


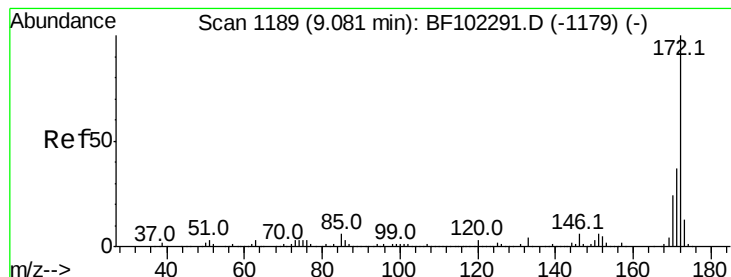
#41
2,4,6-Tribromophenol
Concen: 23.437 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

Tgt Ion:330 Resp: 59063
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 42.6 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: 15.316 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Instrument :

BNA_F

ClientSampleId :

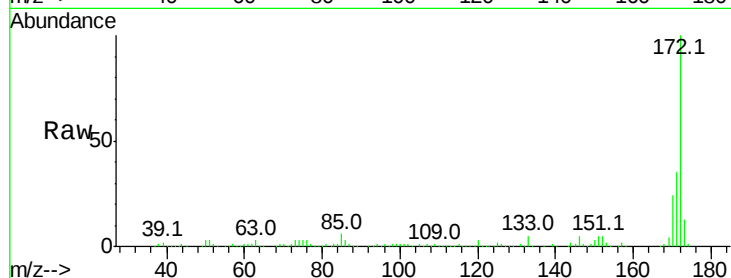
Tot Ion:172 Resp: 264931

Ion Ratio Lower Upper

172 100

171 34.6 29.7 44.5

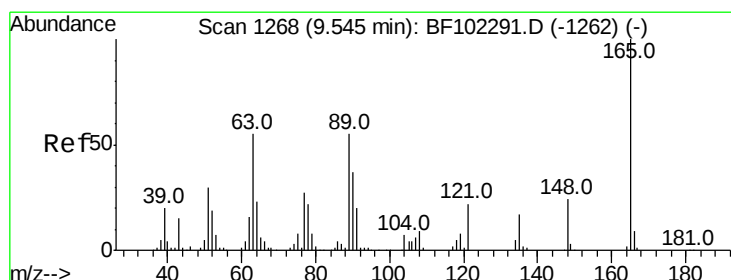
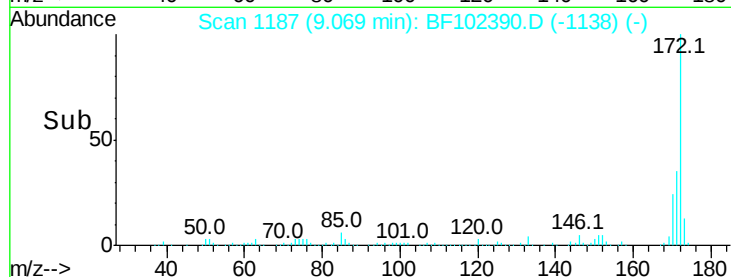
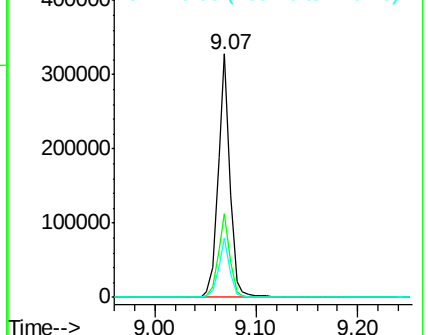
170 24.2 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.180 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

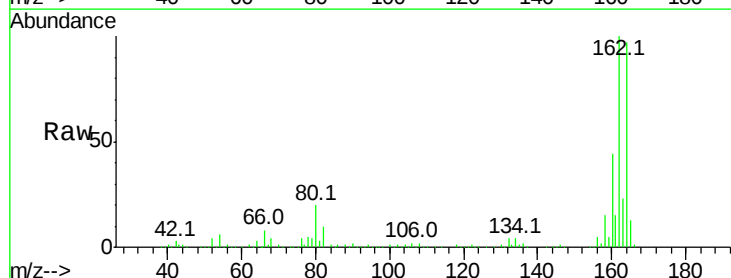
Tgt Ion:165 Resp: 32542

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

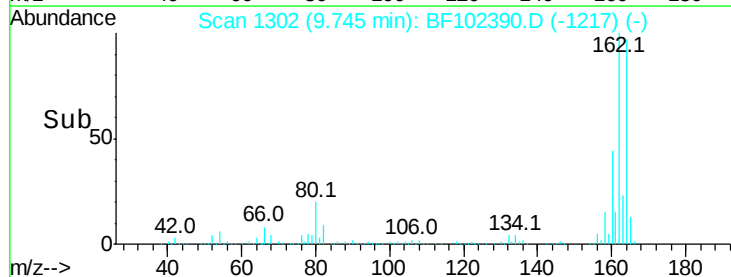
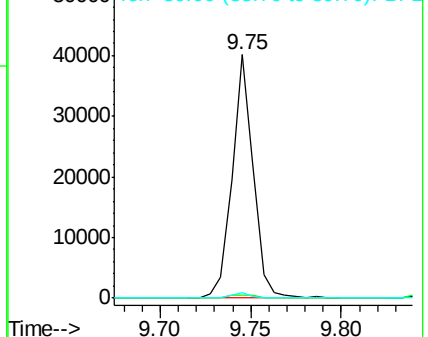
89 2.4 44.0 66.0#

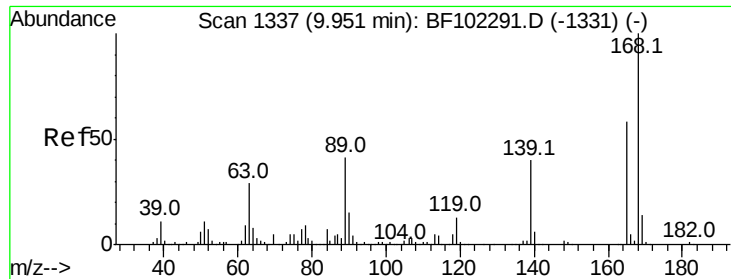


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

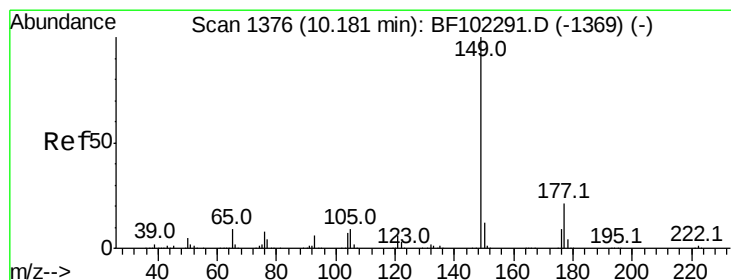
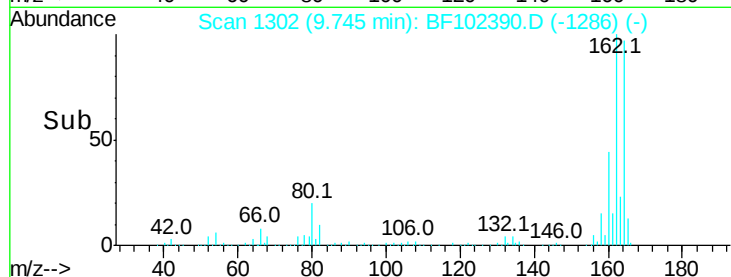
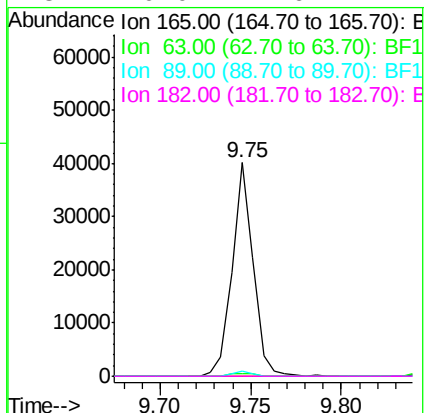
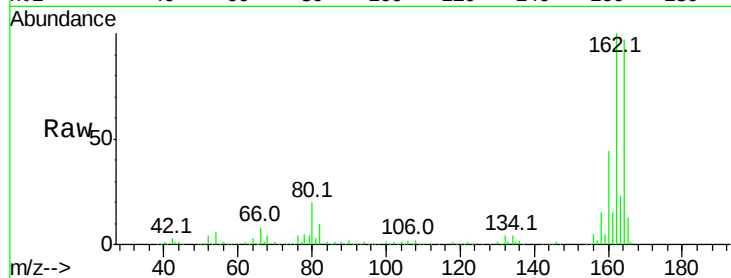




#56
2,4-Dinitrotoluene
Concen: 5.839 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

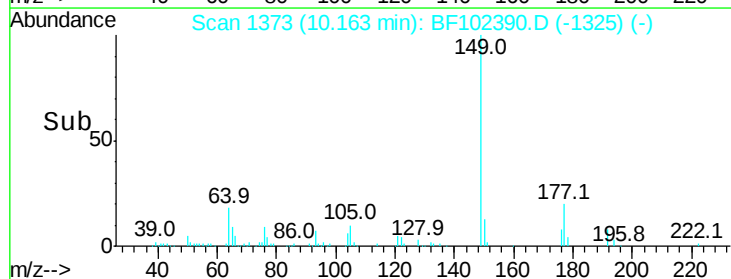
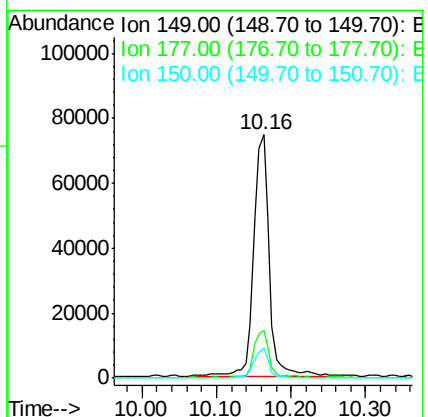
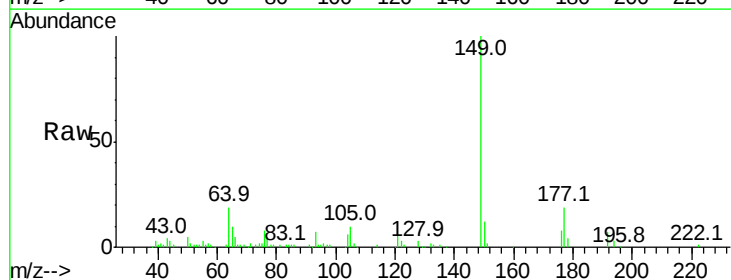
Instrument :
BNA_F
ClientSampleId :

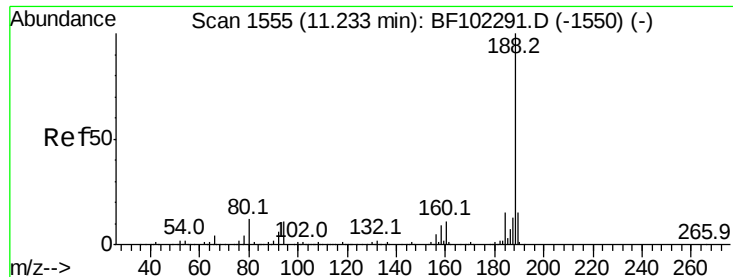
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	2.4	57.8	86.6#
182	0.0	1.6	2.4#



#59
Diethylphthalate
Concen: 5.322 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.5	16.1	24.1
150	12.4	10.1	15.1

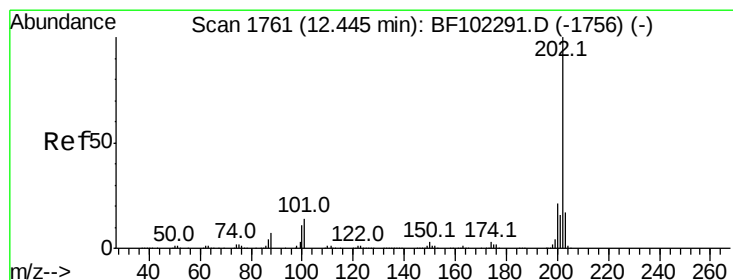
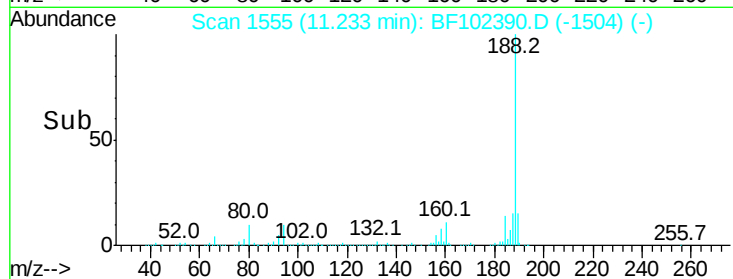
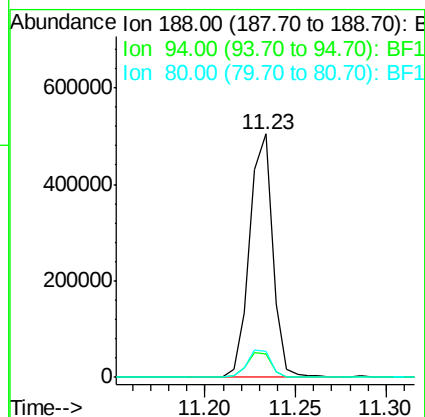
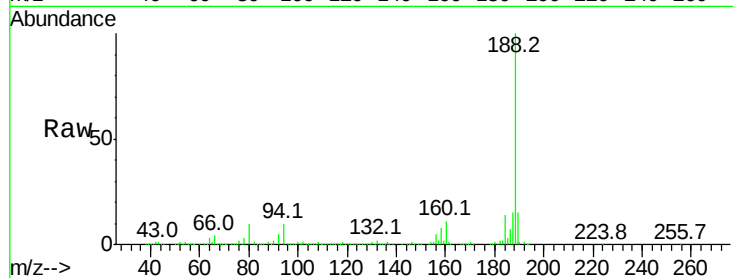




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

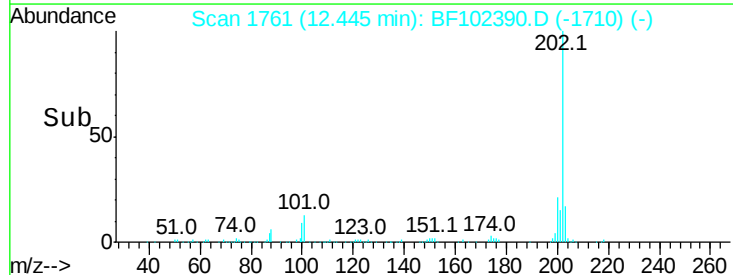
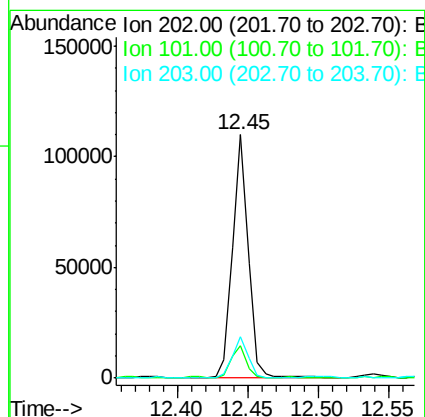
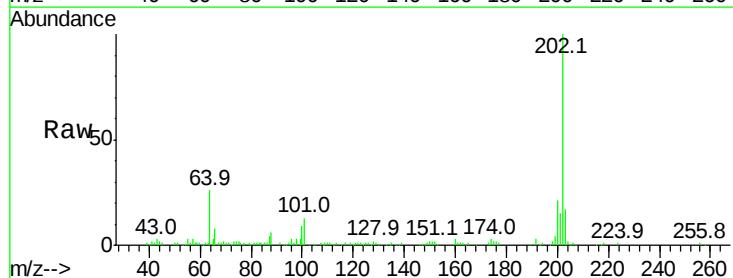
Instrument :
BNA_F
ClientSampleId :

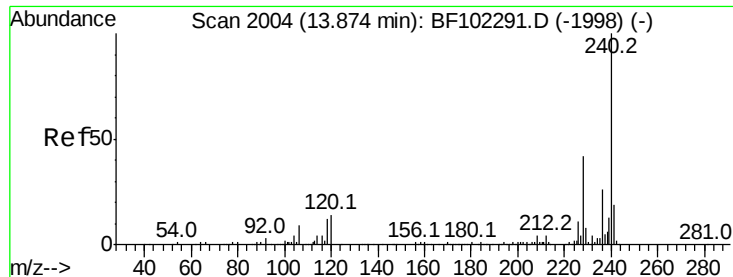
Tot Ion:188 Resp: 448650
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.5 9.2 13.8



#74
Fluoranthene
Concen: 3.229 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BF102390.D
Acq: 24 Jan 2018 15:35

Tgt Ion:202 Resp: 86084
Ion Ratio Lower Upper
202 100
101 13.2 0.0 34.1
203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Instrument :

BNA_F

ClientSampled :

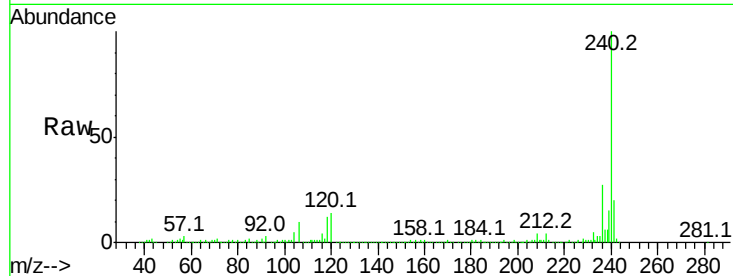
Tot Ion:240 Resp: 391396

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

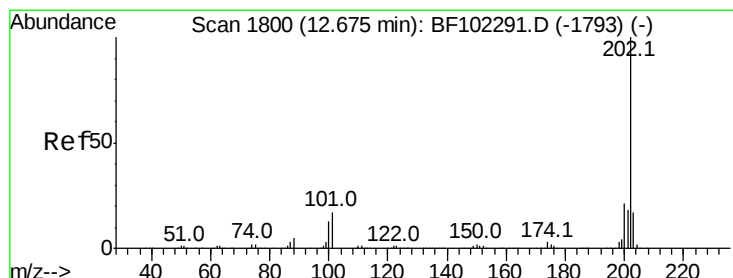
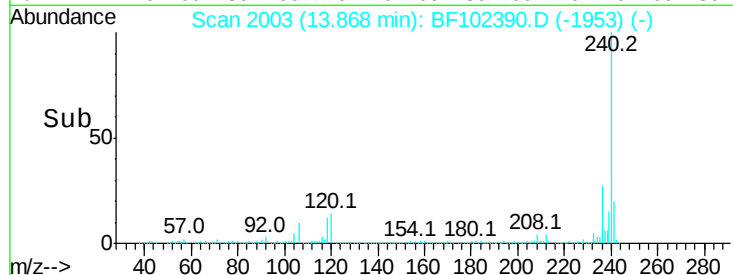
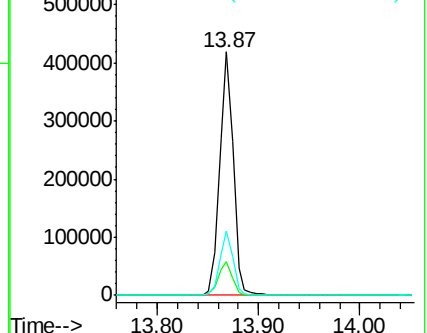
236 26.6 20.7 31.1



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: 2.412 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

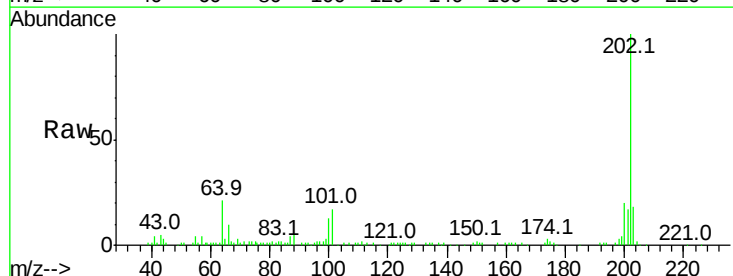
Tgt Ion:202 Resp: 72996

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

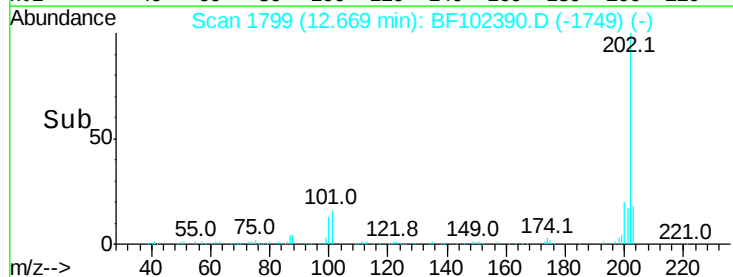
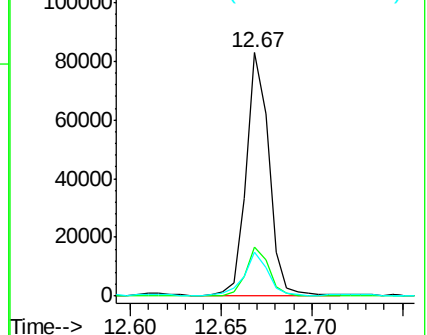
203 18.0 14.3 21.5

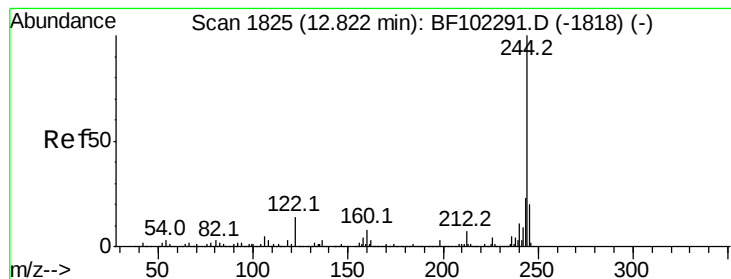


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.845 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Instrument :

BNA_F

ClientSampleId :

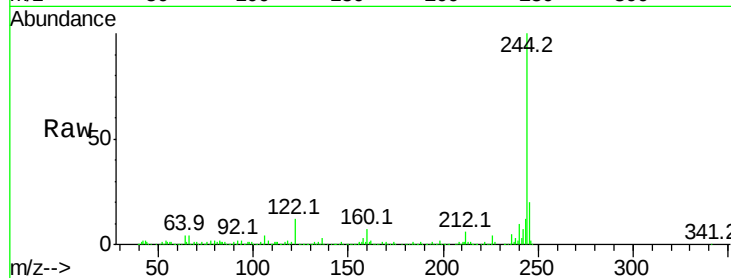
Tot Ion:244 Resp: 275102

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

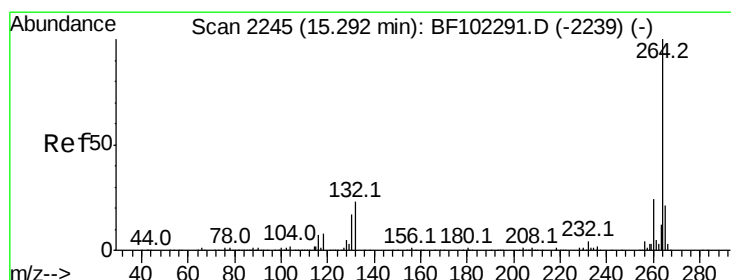
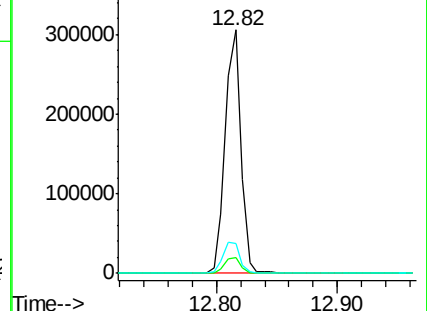
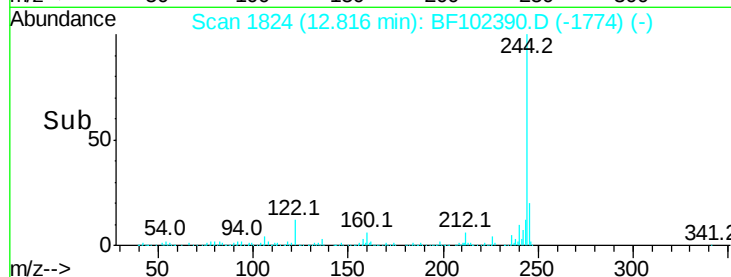
122 12.1 11.0 16.4



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: 15.29 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

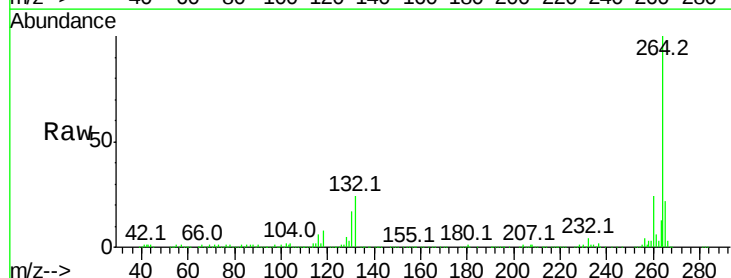
Tgt Ion:264 Resp: 332782

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

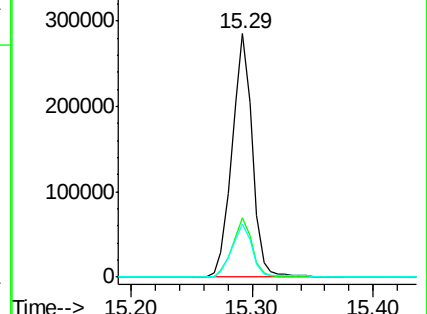
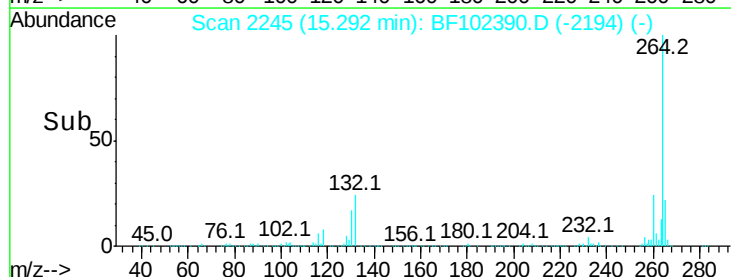
265 21.7 17.5 26.3

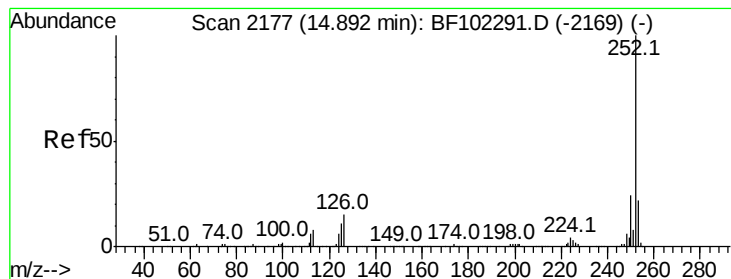


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.334 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Instrument :

BNA_F

ClientSampleId :

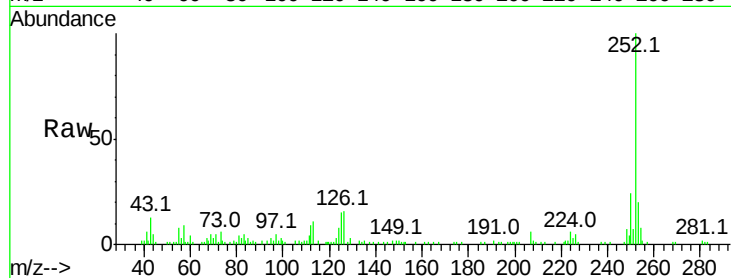
Tot Ion:252 Resp: 71904

Ion Ratio Lower Upper

252 100

253 20.0 17.0 25.6

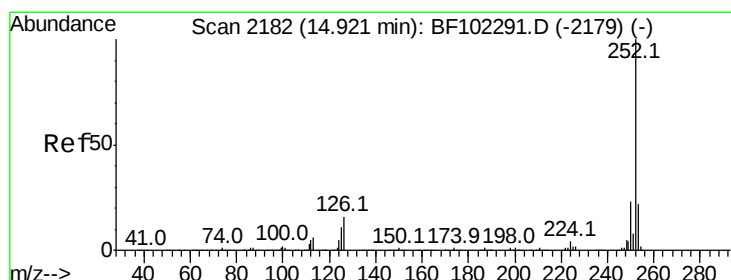
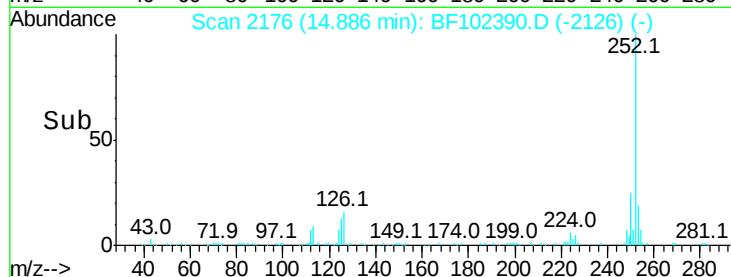
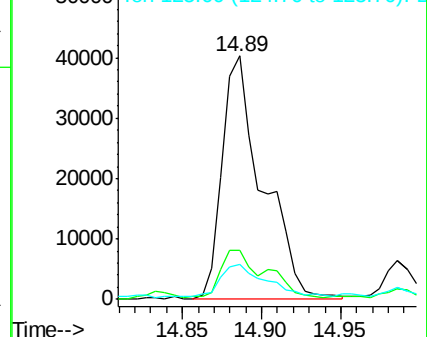
125 14.6 9.0 13.6#



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: 3.528 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.04 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

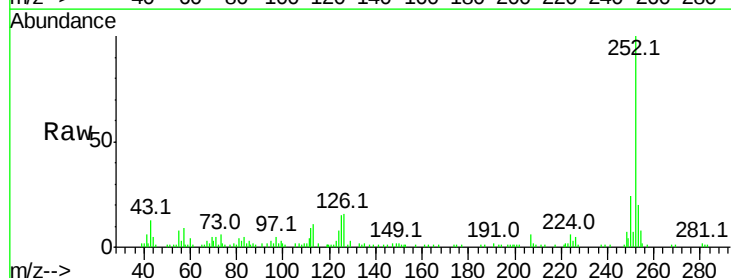
Tgt Ion:252 Resp: 71904

Ion Ratio Lower Upper

252 100

253 20.0 17.9 26.9

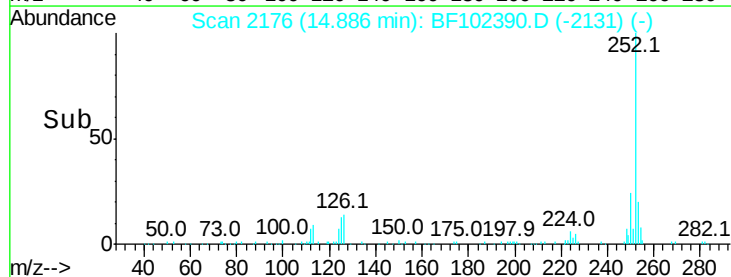
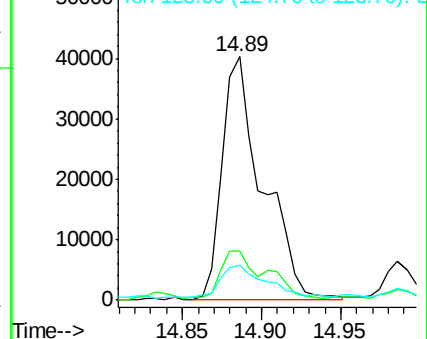
125 14.6 10.2 15.2

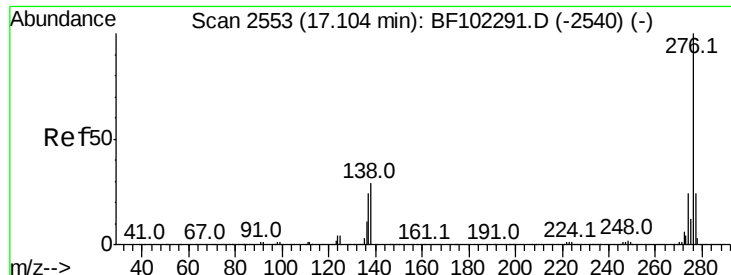


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.324 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.02 min

Lab File: BF102390.D

Acq: 24 Jan 2018 15:35

Instrument :

BNA_F

ClientSampleId :

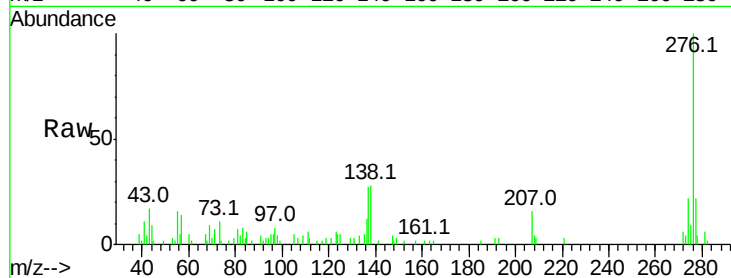
Tot Ion:276 Resp: 36162

Ion Ratio Lower Upper

276 100

277 21.9 17.9 26.9

138 28.1 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

