

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102532.D
 Acq On : 28 Jan 2018 1:12
 Operator : SJ/JU
 Sample : J1325-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-3025

Quant Time: Jan 28 02:39:08 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

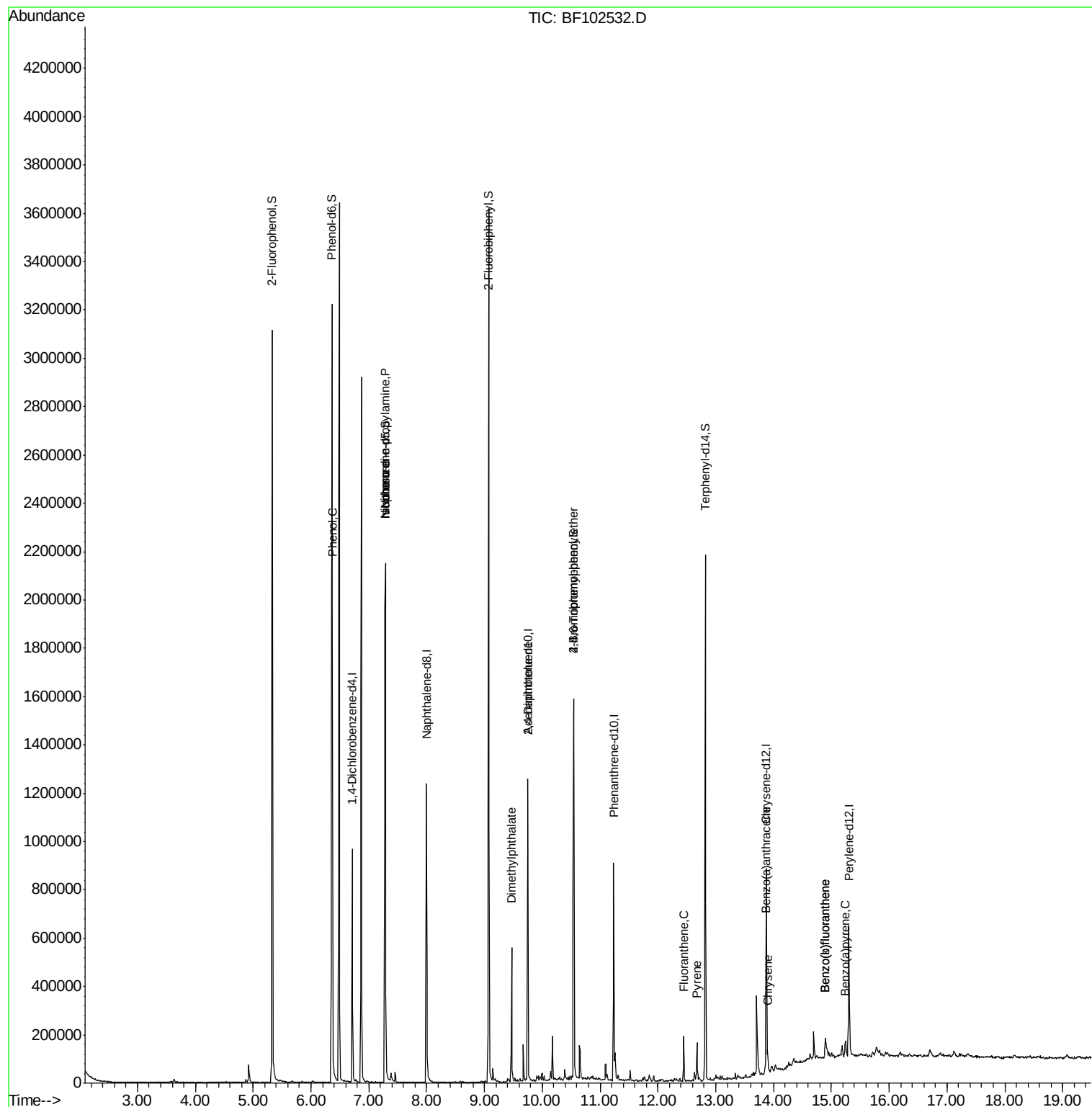
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	144358	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	588313	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	235272	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	339118	20.00	ng	0.00
75) Chrysene-d12	13.87	240	264863	20.00	ng	0.00
86) Perylene-d12	15.30	264	222366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1039646	109.20	ng	0.01
7) Phenol-d6	6.36	99	1256159	109.44	ng	0.00
23) Nitrobenzene-d5	7.29	82	767359	74.96	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	194110	83.27	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1135372	70.96	ng	0.00
78) Terphenyl-d14	12.82	244	715624	60.91	ng	0.00
Target Compounds						
10) Phenol	6.37	94	56756	4.529	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	99709	14.195	ng	# 79
25) Isophorone	7.29	82	763289	41.822	ng	# 64
49) Dimethylphthalate	9.47	163	222563	11.445	ng	98
56) 2,4-Dinitrotoluene	9.75	165	30411	5.898	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	12792	3.504	ng	# 1
74) Fluoranthene	12.45	202	76406	3.792	ng	98
77) Pyrene	12.68	202	67812	3.311	ng	97
80) Benzo(a)anthracene	13.86	228	36557	2.242	ng	97
82) Chrysene	13.90	228	34981	2.112	ng	96
87) Benzo(b)fluoranthene	14.90	252	55880	3.877	ng	# 93
88) Benzo(k)fluoranthene	14.90	252	55880	4.104	ng	# 96
89) Benzo(a)pyrene	15.24	252	27445	2.111	ng	# 96

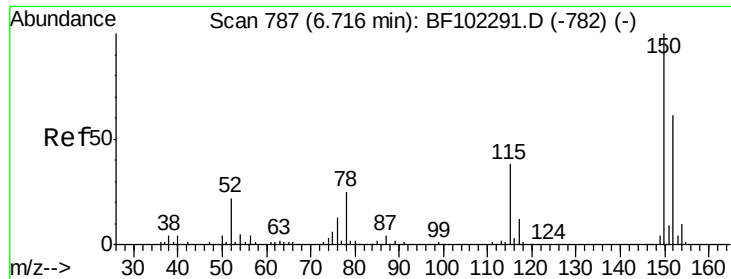
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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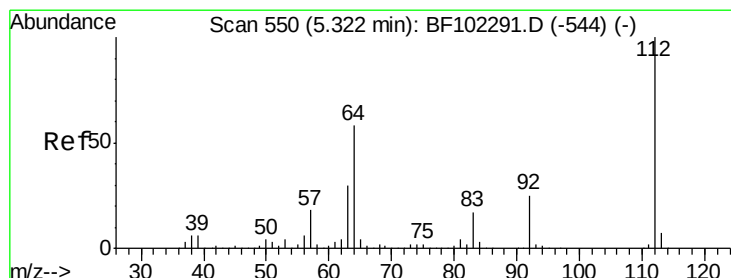
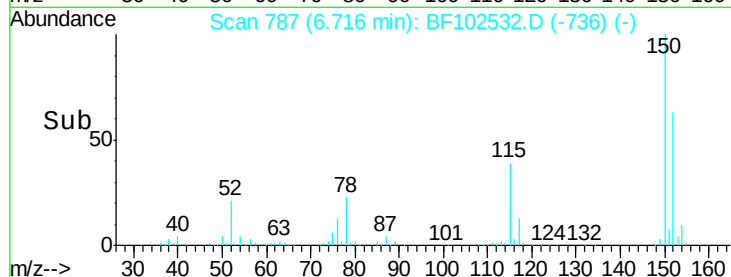
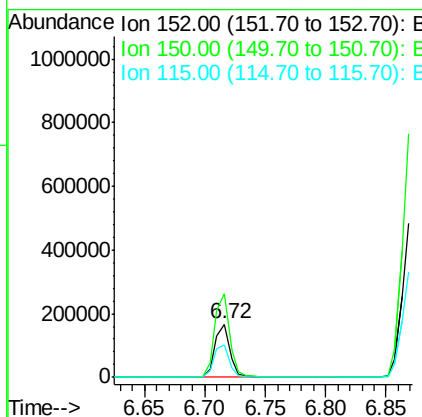
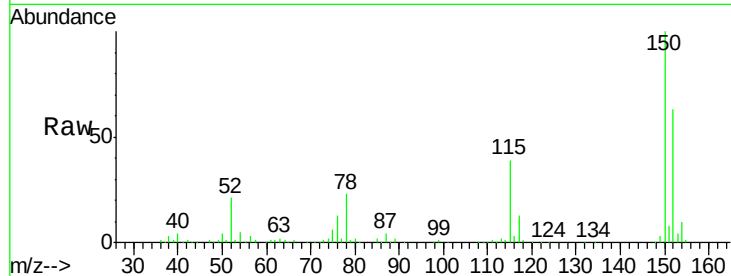


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102532.D
Acq: 28 Jan 2018 1:12

Instrument :
BNA_F
ClientSampleId :
RO-3025

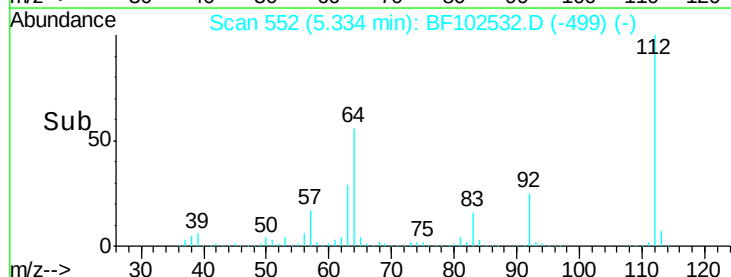
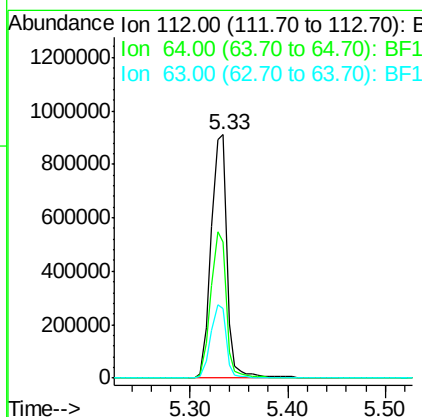
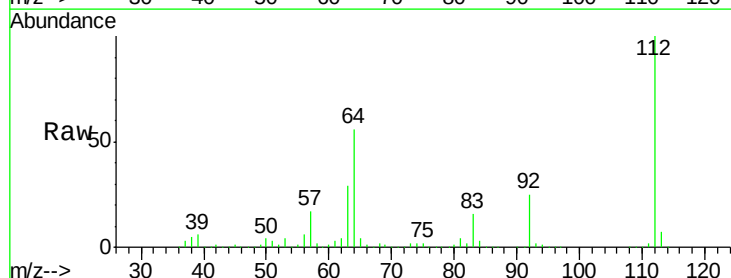
Tgt Ion:152 Resp: 144358
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 61.0 50.1 75.1

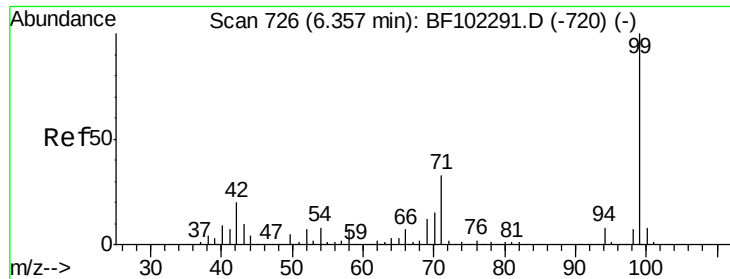


#5

2-Fluorophenol
Concen: 109.199 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102532.D
Acq: 28 Jan 2018 1:12

Tgt Ion:112 Resp: 1039646
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.6 23.7 35.5





#7

Phenol-d6

Concen: 109.440 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Instrument :

BNA_F

ClientSampleId :

RO-3025

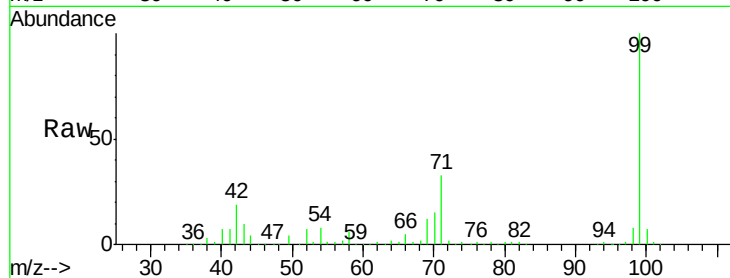
Tgt Ion: 99 Resp: 1256159

Ion Ratio Lower Upper

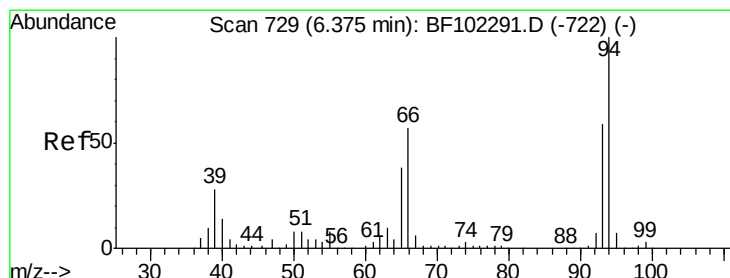
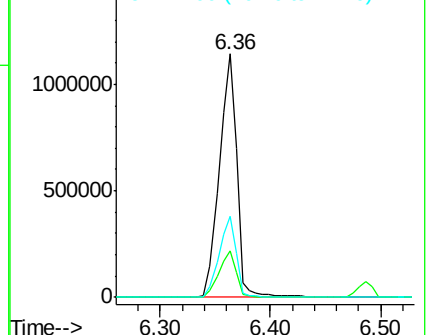
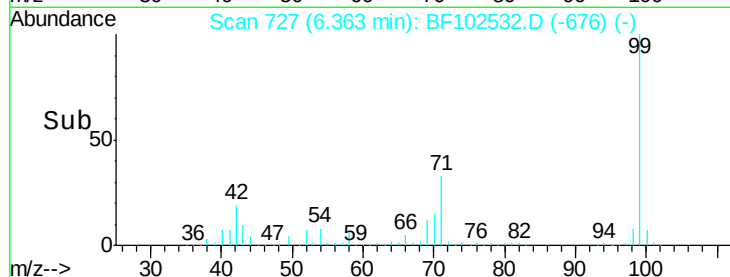
99 100

42 19.2 14.5 21.7

71 33.2 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



#10

Phenol

Concen: 4.529 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

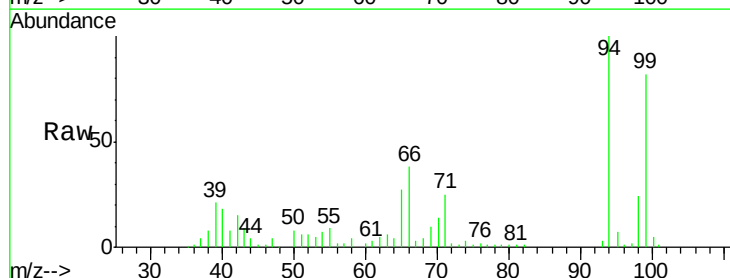
Tgt Ion: 94 Resp: 56756

Ion Ratio Lower Upper

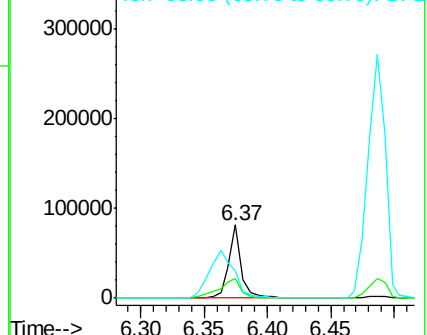
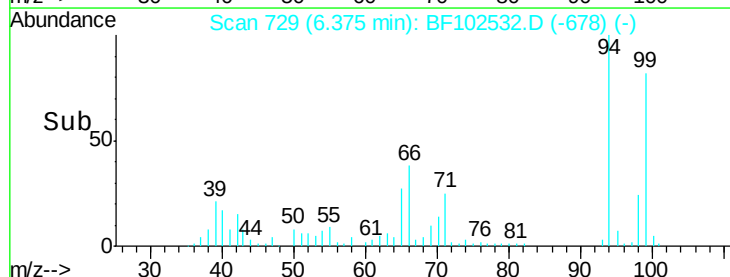
94 100

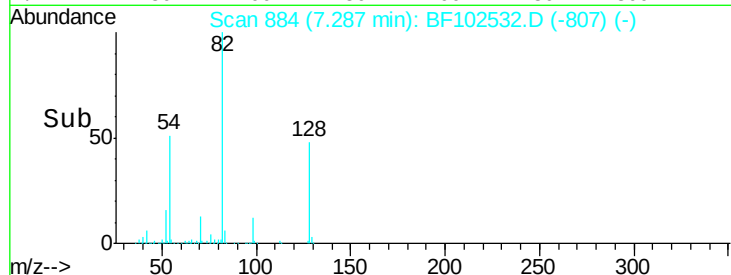
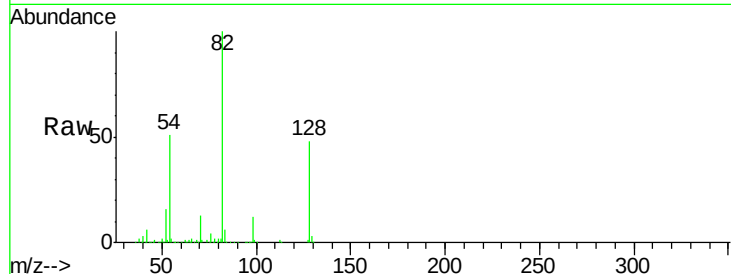
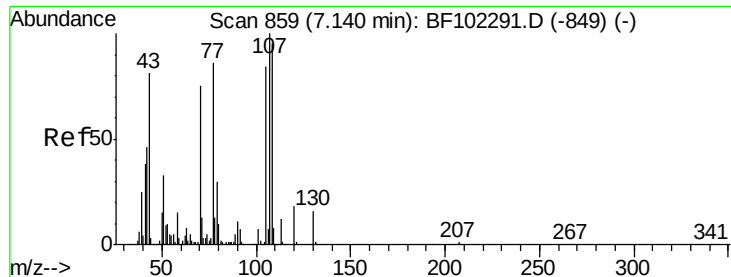
65 27.3 7.9 47.9

66 38.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

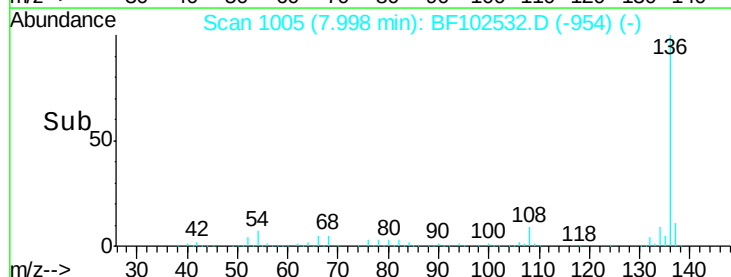
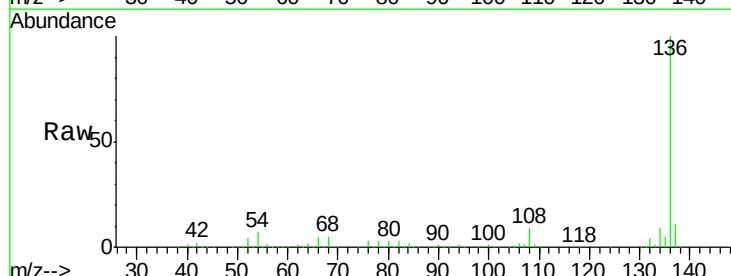
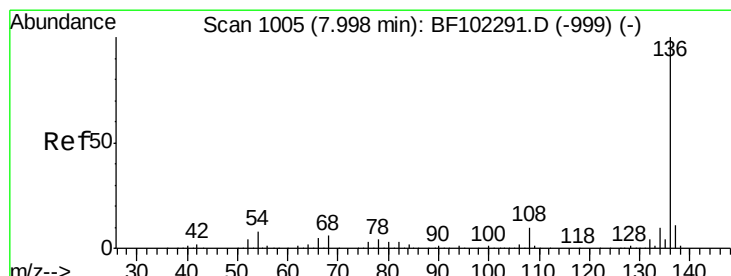
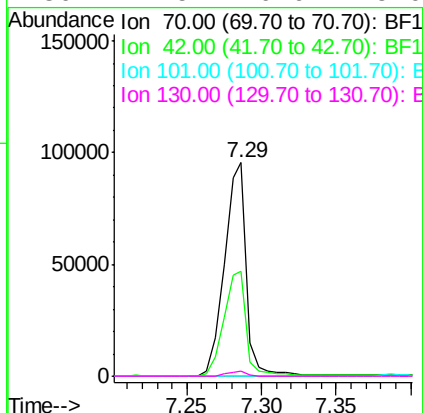




#19
n-Nitroso-di-n-propylamine
Concen: 14.195 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF102532.D
Acq: 28 Jan 2018 1:12

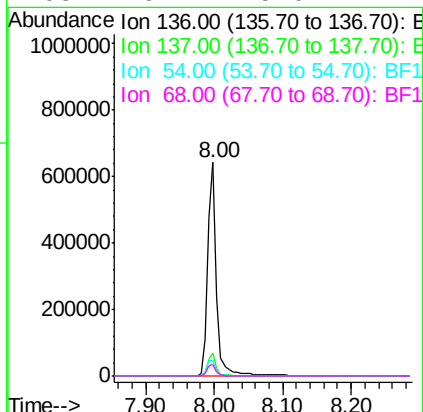
Instrument :
BNA_F
ClientSampleId :
RO-3025

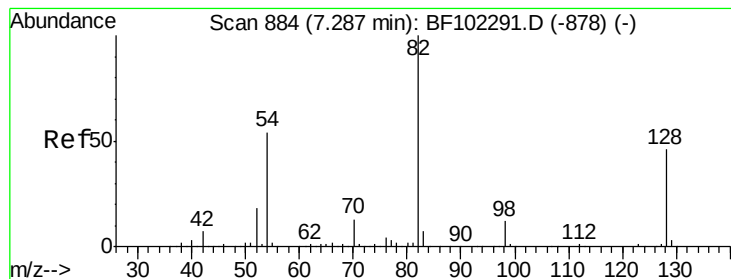
Tgt Ion:	70	Resp:	99709
Ion	Ratio	Lower	Upper
70	100		
42	48.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102532.D
Acq: 28 Jan 2018 1:12

Tgt Ion:	136	Resp:	588313
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.2	6.6	9.8
68	5.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 74.956 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Instrument :

BNA_F

ClientSampleId :

RO-3025

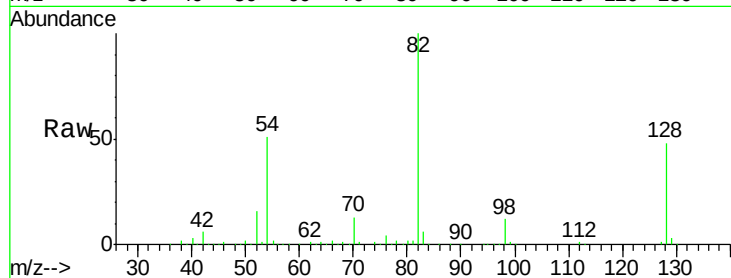
Tgt Ion: 82 Resp: 767359

Ion Ratio Lower Upper

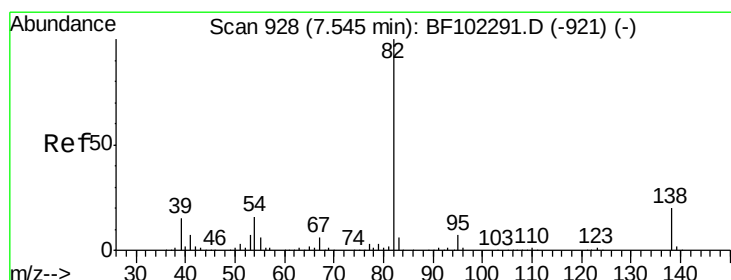
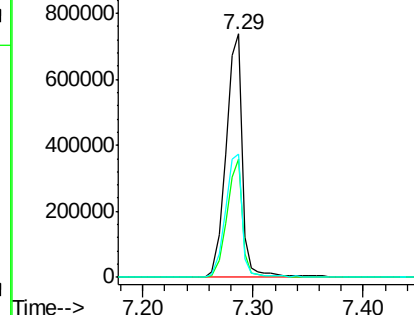
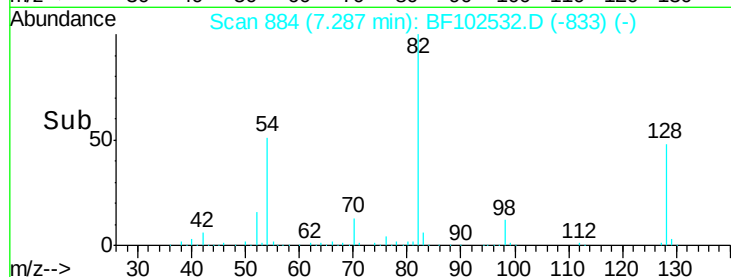
82 100

128 48.3 36.1 54.1

54 50.8 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



#25

Isophorone

Concen: 41.822 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

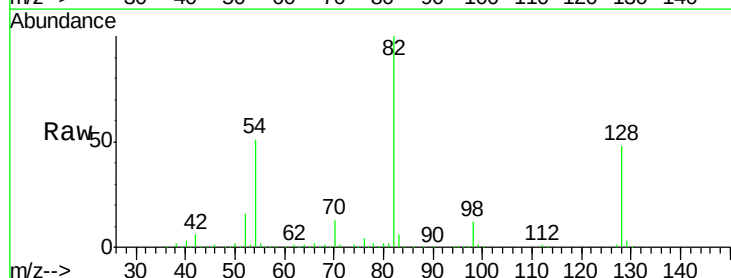
Tgt Ion: 82 Resp: 763289

Ion Ratio Lower Upper

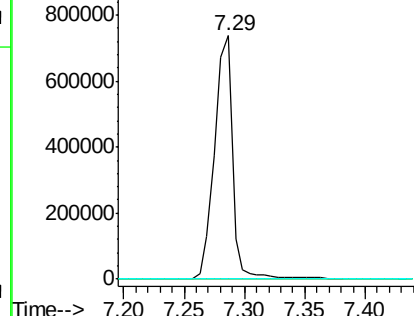
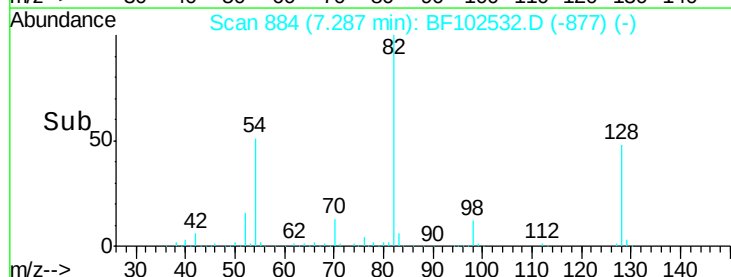
82 100

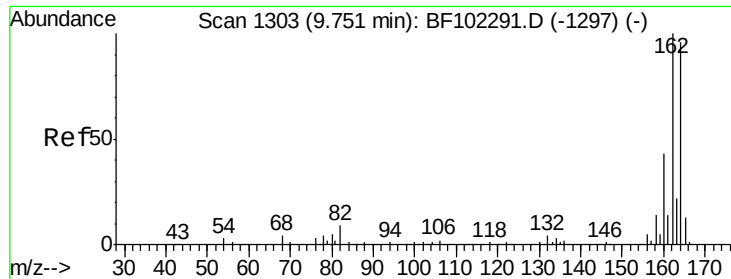
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Instrument :

BNA_F

ClientSampleId :

RO-3025

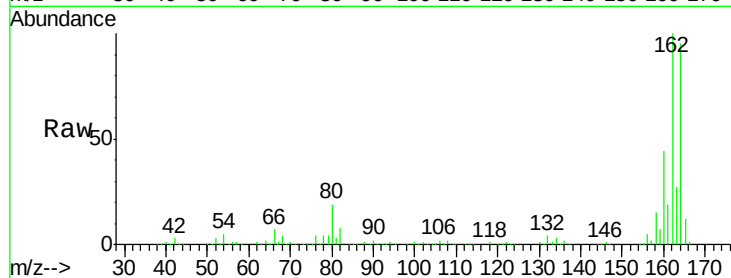
Tgt Ion:164 Resp: 235272

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

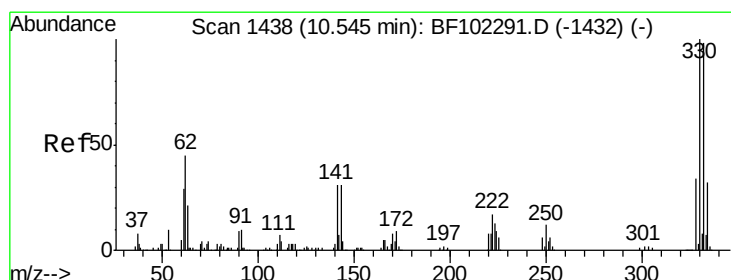
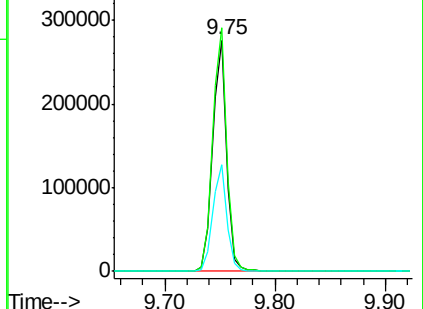
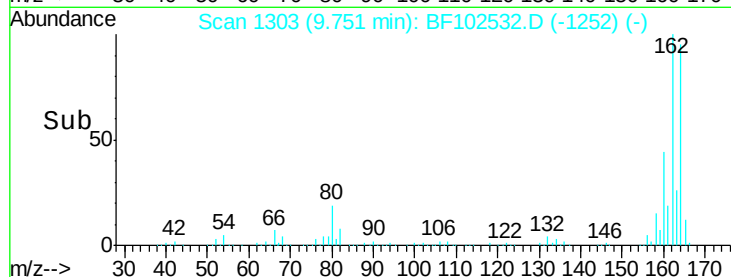
160 46.2 38.3 57.5



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: 83.266 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

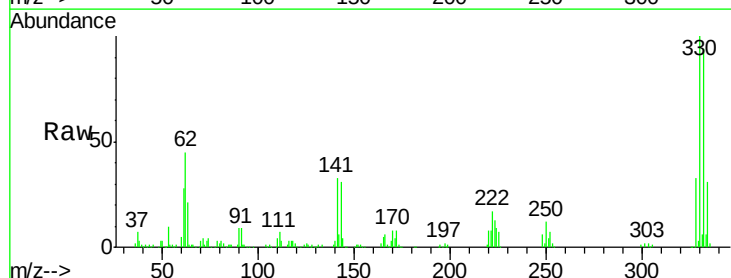
Tgt Ion:330 Resp: 194110

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

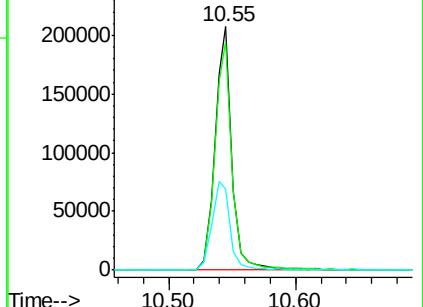
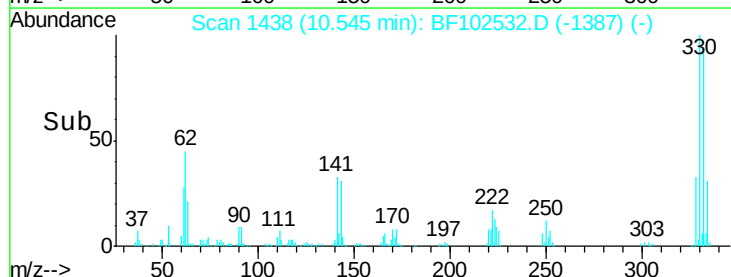
141 39.9 29.9 44.9

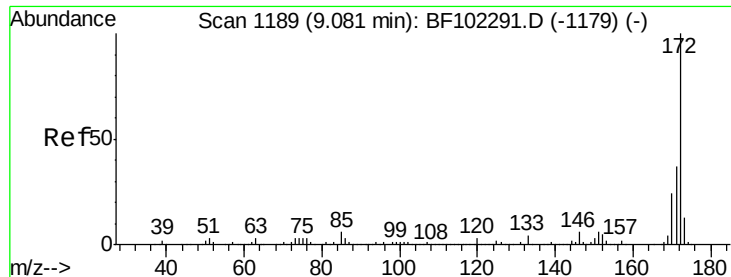


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

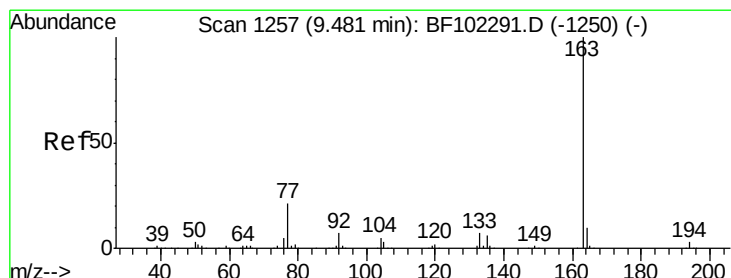
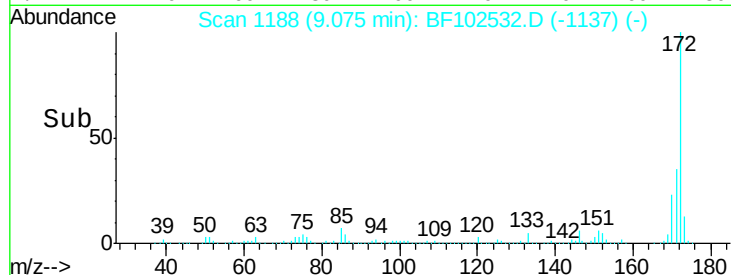
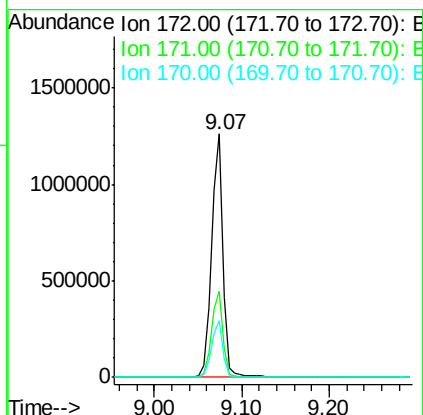
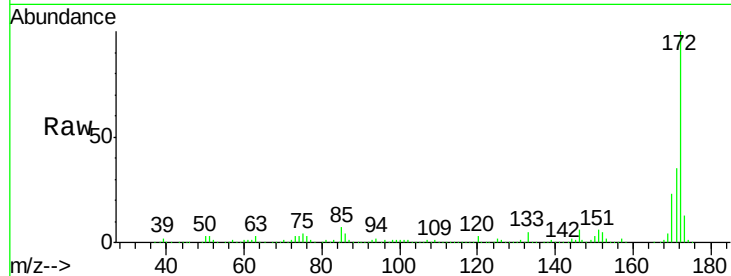




#44
2-Fluorobiphenyl
Concen: 70.956 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102532.D
Acq: 28 Jan 2018 1:12

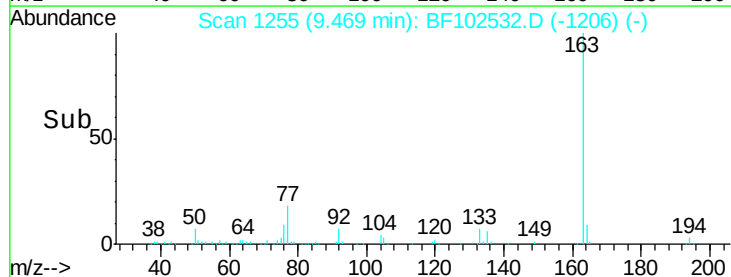
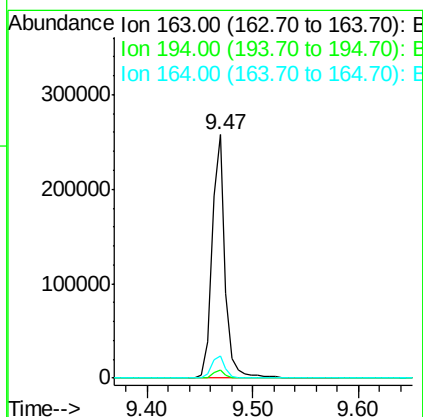
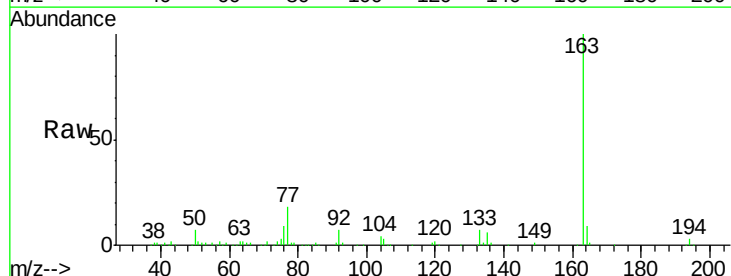
Instrument :
BNA_F
ClientSampleId :
RO-3025

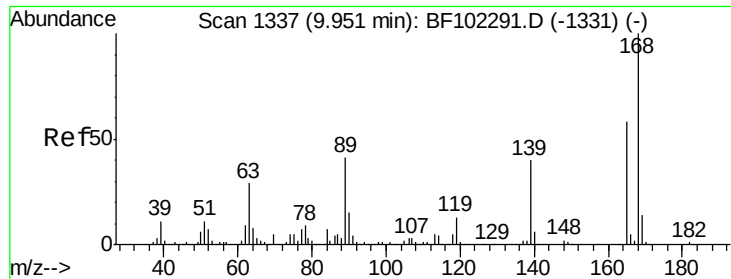
Tgt Ion:172 Resp: 1135372
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.4 19.6 29.4



#49
Dimethylphthalate
Concen: 11.445 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102532.D
Acq: 28 Jan 2018 1:12

Tgt Ion:163 Resp: 222563
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.1 8.2 12.2

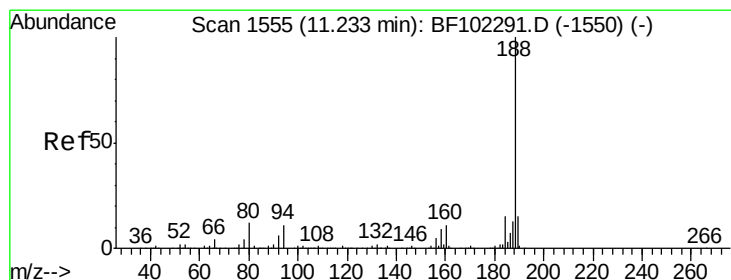
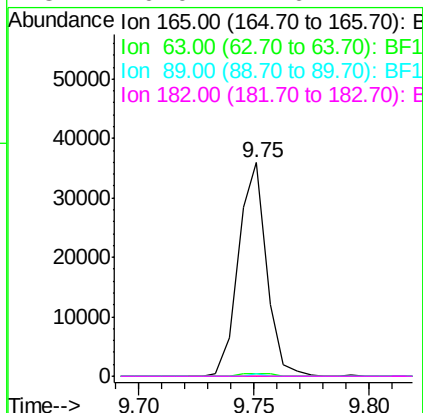
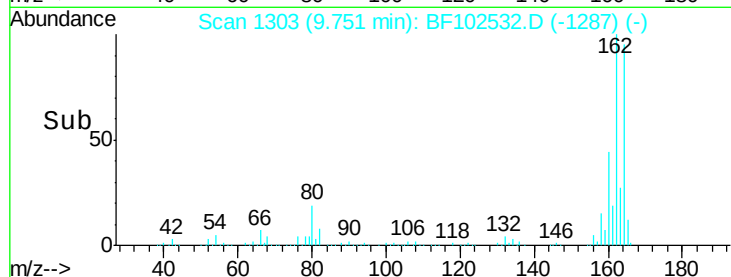
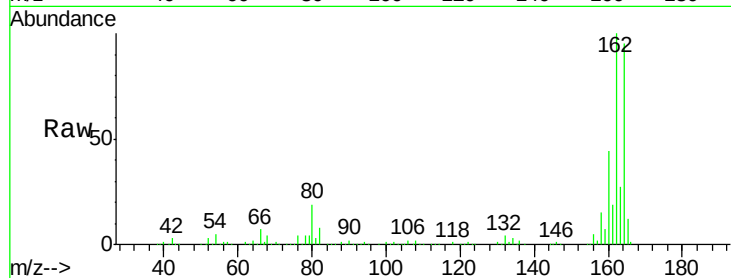




#56
 2,4-Dinitrotoluene
 Concen: 5.898 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102532.D
 Acq: 28 Jan 2018 1:12

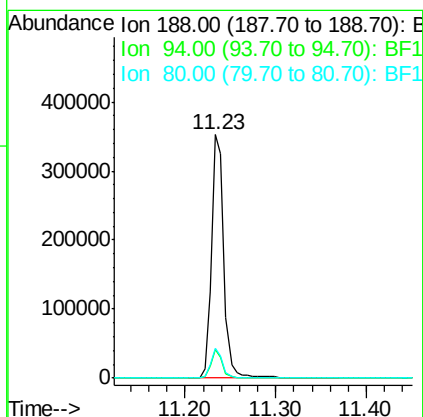
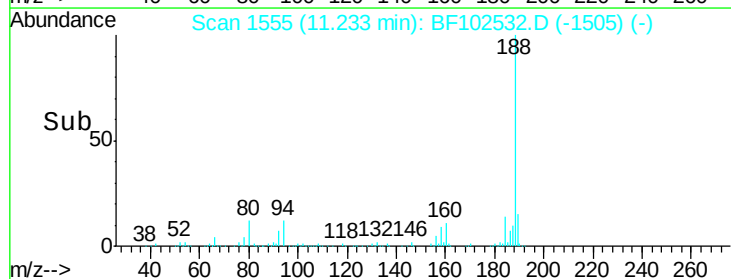
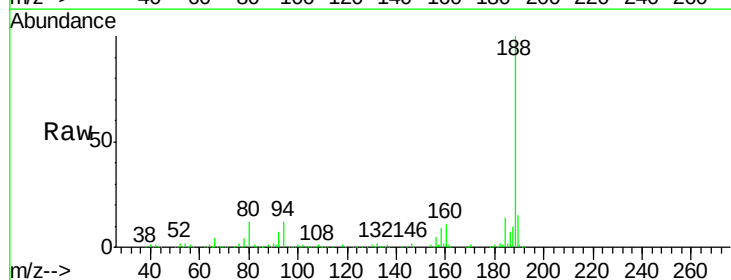
Instrument :
 BNA_F
 ClientSampleId :
 RO-3025

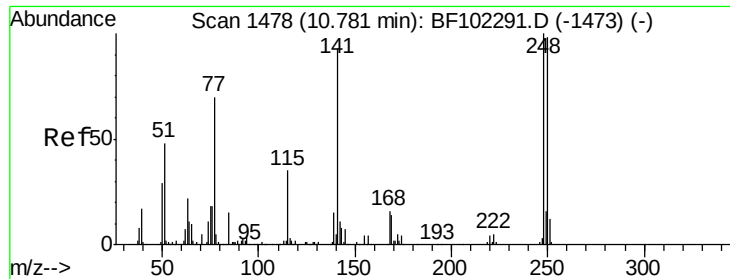
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	30411		
63	1.1	36.4	54.6#	
89	1.1	57.8	86.6#	
182	0.0	1.6	2.4#	



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102532.D
 Acq: 28 Jan 2018 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	339118		
94	11.6	8.5	12.7	
80	12.4	9.2	13.8	

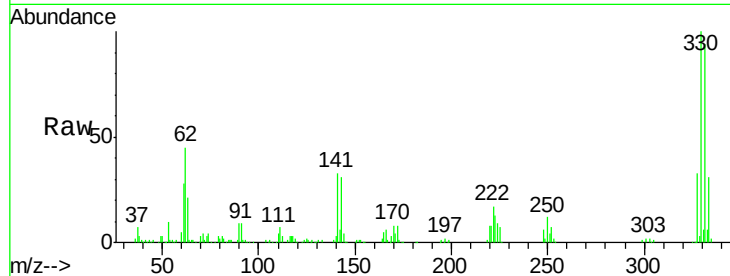




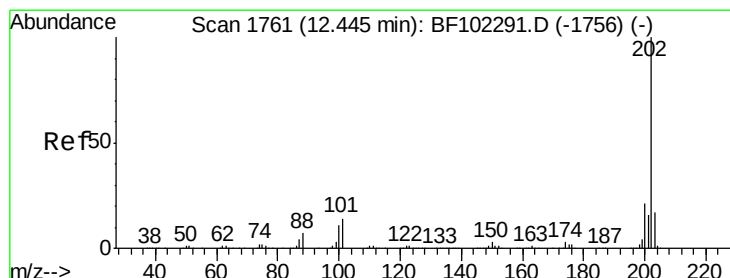
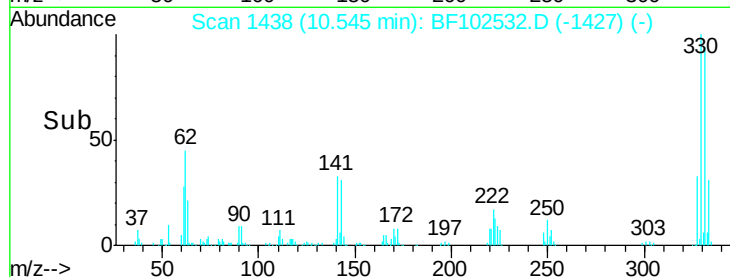
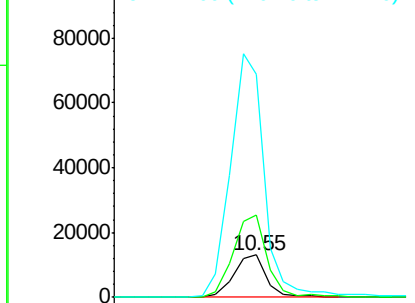
#66
 4-Bromophenyl-phenylether
 Concen: 3.504 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF102532.D
 Acq: 28 Jan 2018 1:12

Instrument :
 BNA_F
 ClientSampleId :
 RO-3025

Tgt Ion: 248 Resp: 12792
 Ion Ratio Lower Upper
 248 100
 250 195.3 76.9 115.3#
 141 524.2 74.4 111.6#

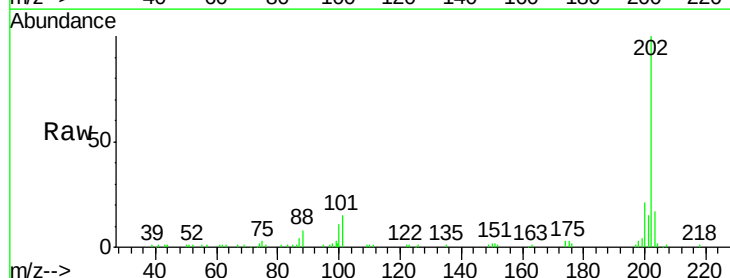


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

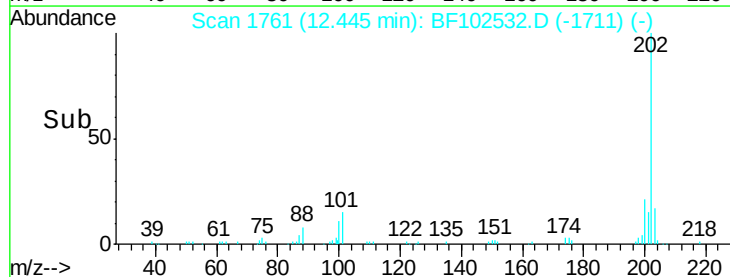
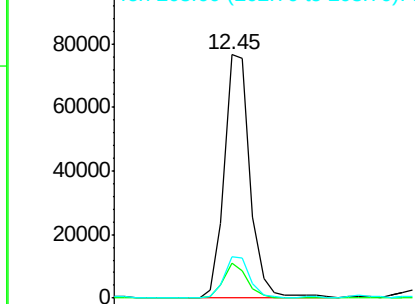


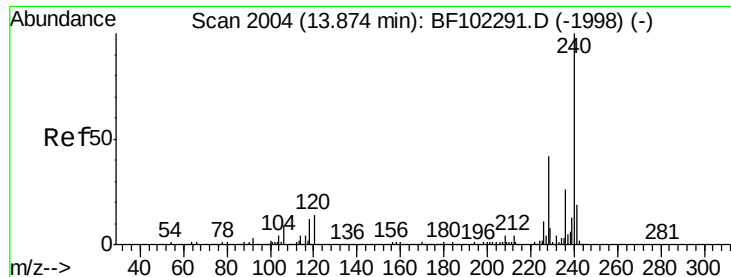
#74
 Fluoranthene
 Concen: 3.792 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102532.D
 Acq: 28 Jan 2018 1:12

Tgt Ion: 202 Resp: 76406
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 34.1
 203 16.9 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Instrument :

BNA_F

ClientSampleId :

RO-3025

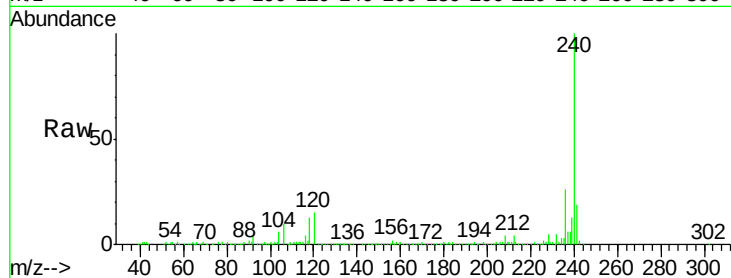
Tgt Ion:240 Resp: 264863

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

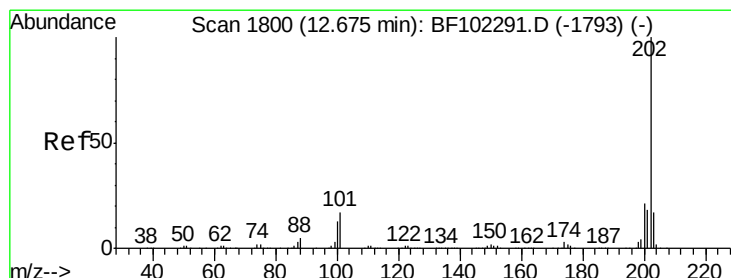
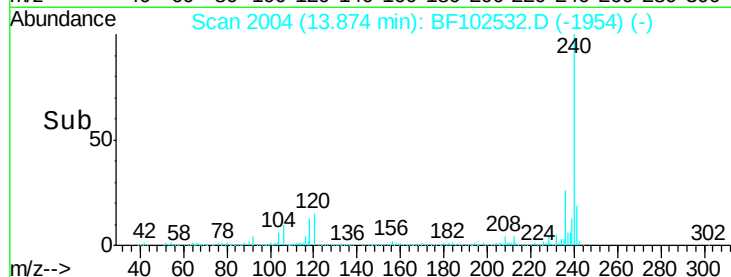
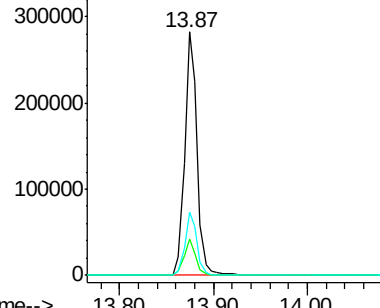
236 25.8 20.7 31.1



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: 3.311 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

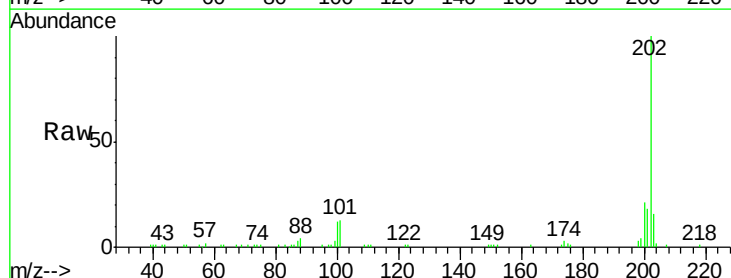
Tgt Ion:202 Resp: 67812

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

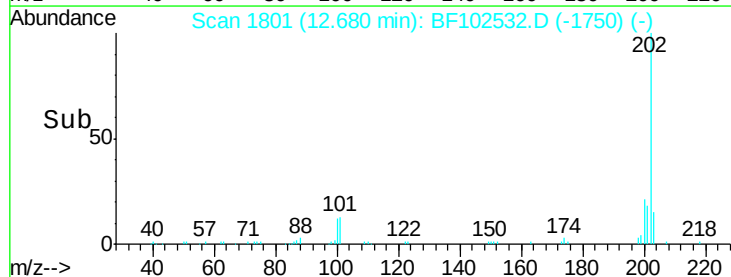
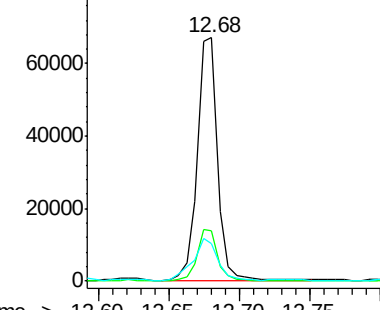
203 15.6 14.3 21.5

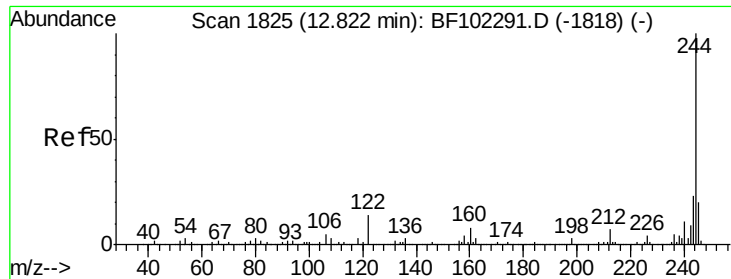


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

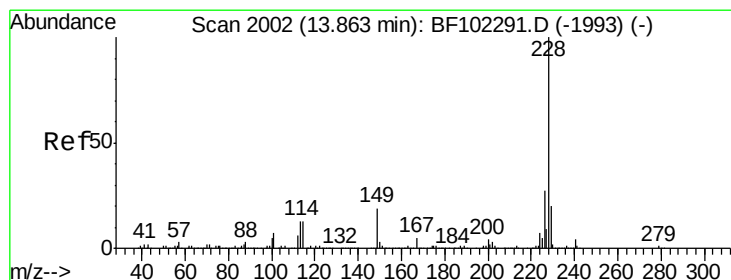
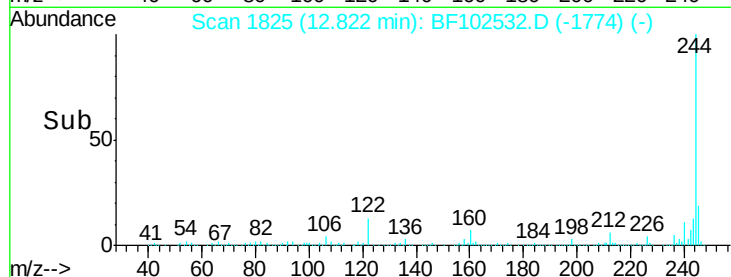
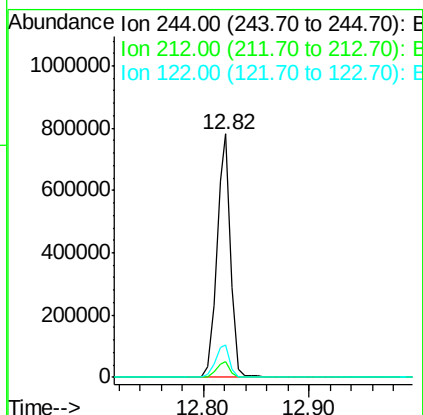
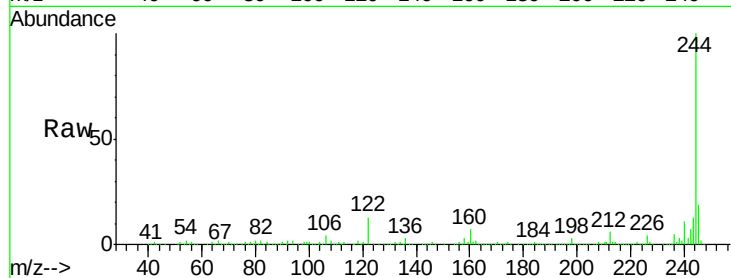




#78
 Terphenyl-d14
 Concen: 60.910 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102532.D
 Acq: 28 Jan 2018 1:12

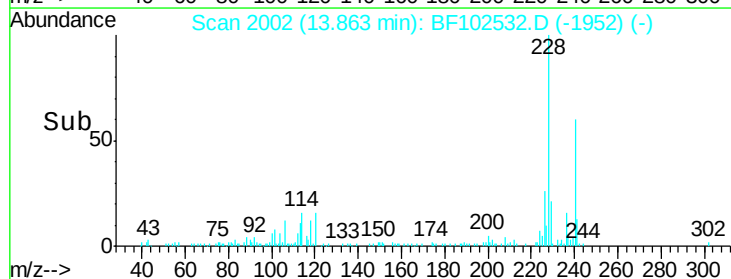
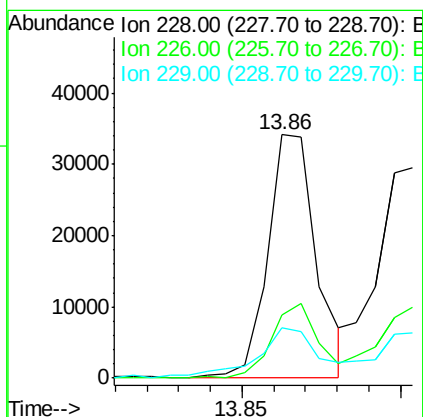
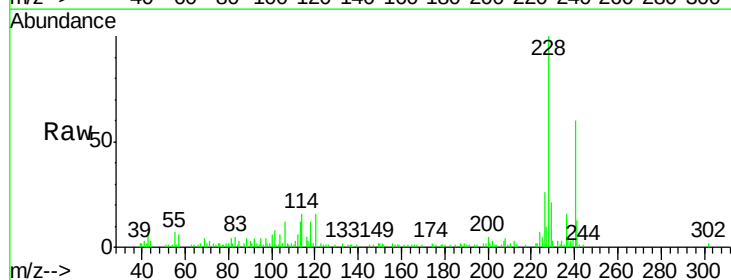
Instrument :
 BNA_F
 ClientSampleId :
 RO-3025

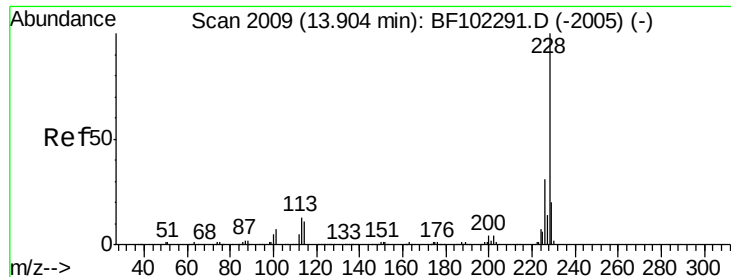
Tgt Ion: 244 Resp: 715624
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 13.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.242 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102532.D
 Acq: 28 Jan 2018 1:12

Tgt Ion: 228 Resp: 36557
 Ion Ratio Lower Upper
 228 100
 226 25.9 22.6 33.8
 229 20.6 15.8 23.6





#82

Chrysene

Concen: 2.112 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Instrument :

BNA_F

ClientSampleId :

RO-3025

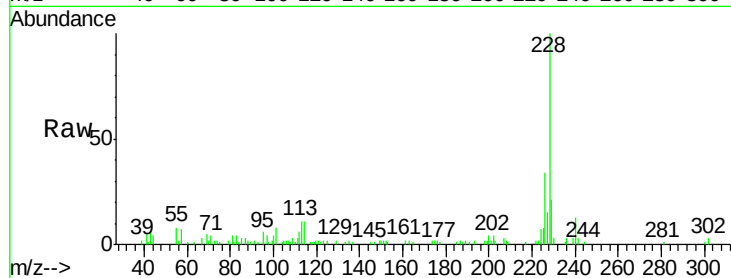
Tgt Ion:228 Resp: 34981

Ion Ratio Lower Upper

228 100

226 34.0 25.0 37.6

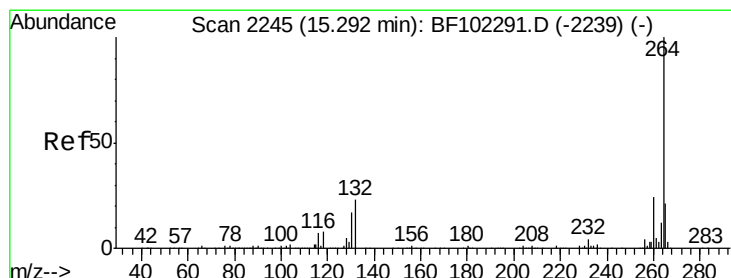
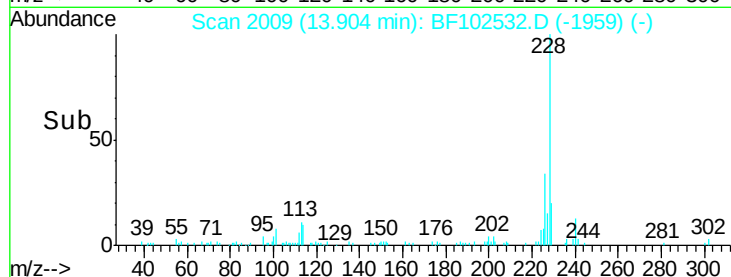
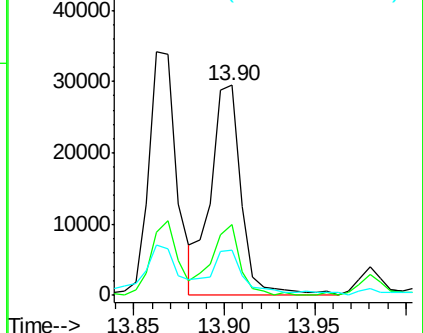
229 21.4 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

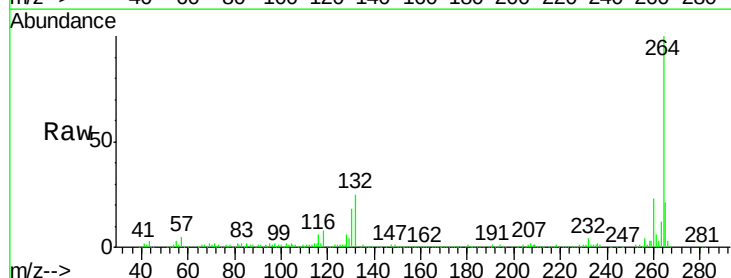
Tgt Ion:264 Resp: 222366

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

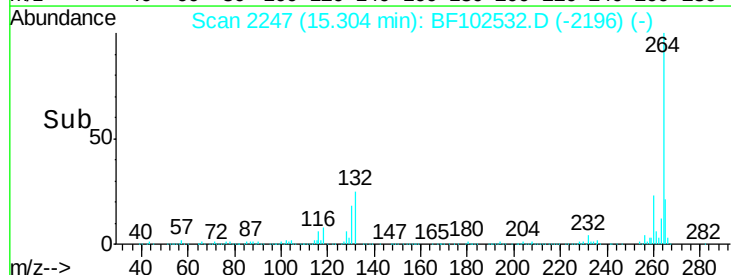
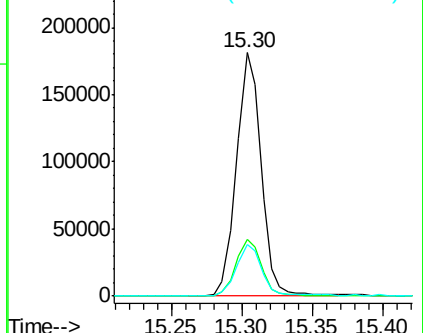
265 21.2 17.5 26.3

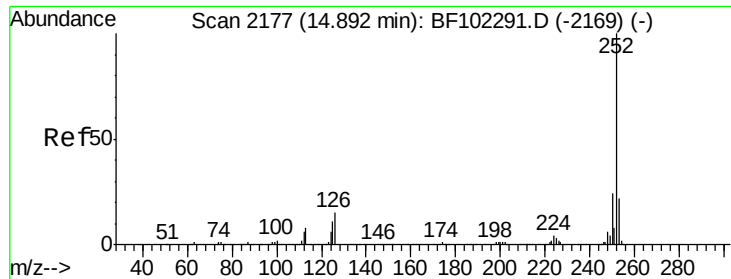


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.877 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

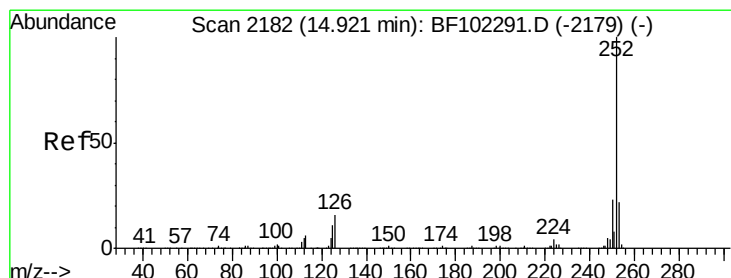
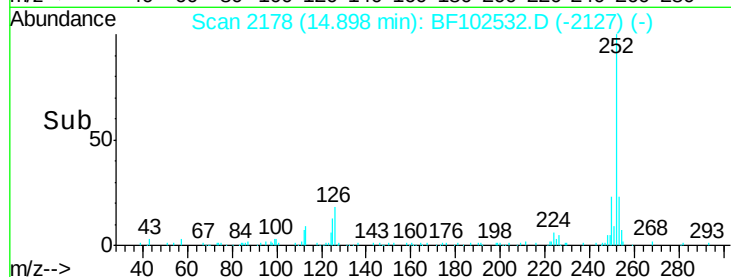
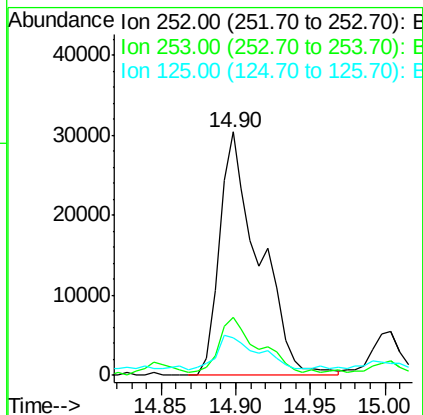
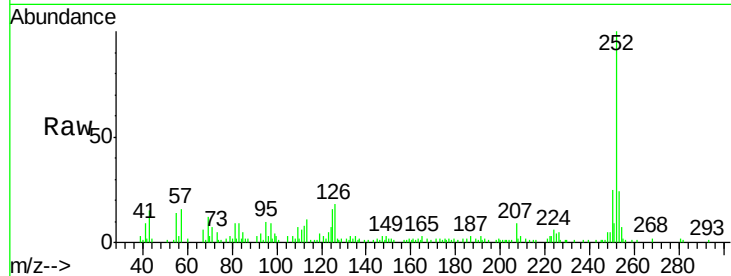
Instrument :

BNA_F

ClientSampleId :

RO-3025

Tgt Ion:	252	Resp:	55880
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	15.6	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 4.104 ng

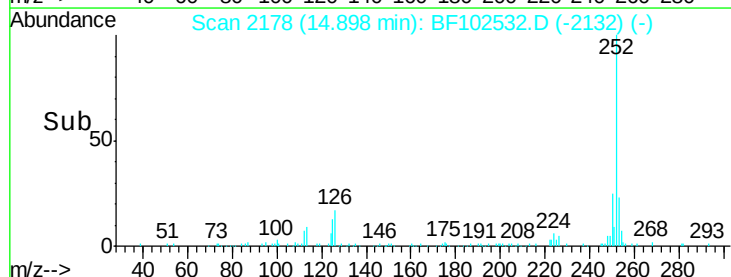
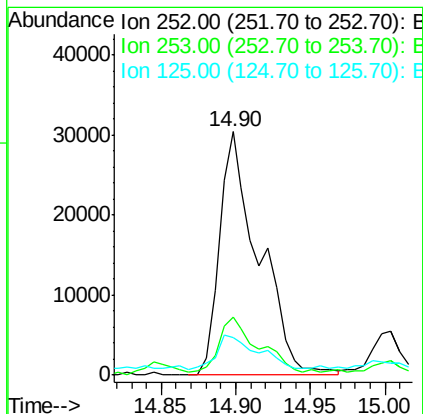
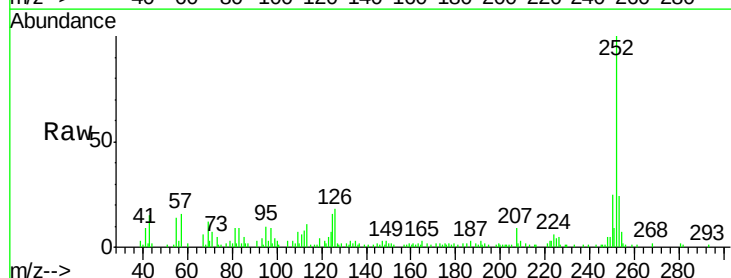
RT: 14.90 min Scan# 2178

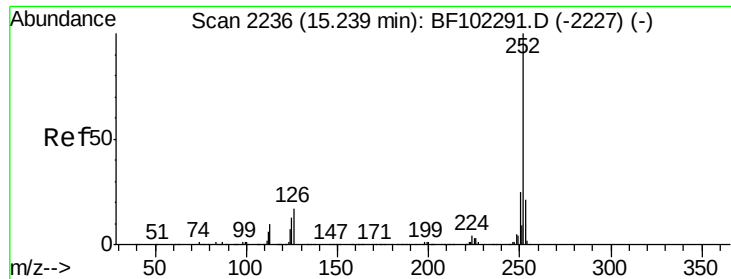
Delta R.T. -0.03 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Tgt Ion:	252	Resp:	55880
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	15.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.111 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF102532.D

Acq: 28 Jan 2018 1:12

Instrument :

BNA_F

ClientSampleId :

RO-3025

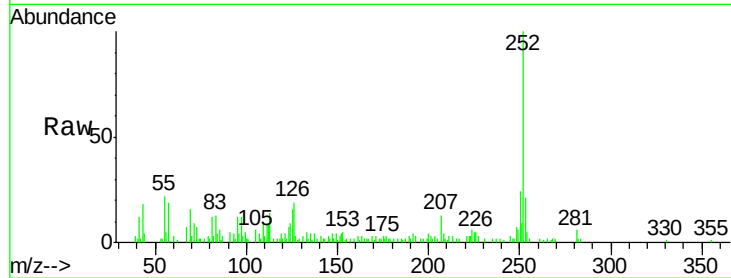
Tgt Ion: 252 Resp: 27445

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 16.1 9.8 14.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

