

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084691.D
 Acq On : 30 Jan 2016 17:36
 Operator : SJ/IZ
 Sample : H1261-09 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)

Quant Time: Feb 01 00:29:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

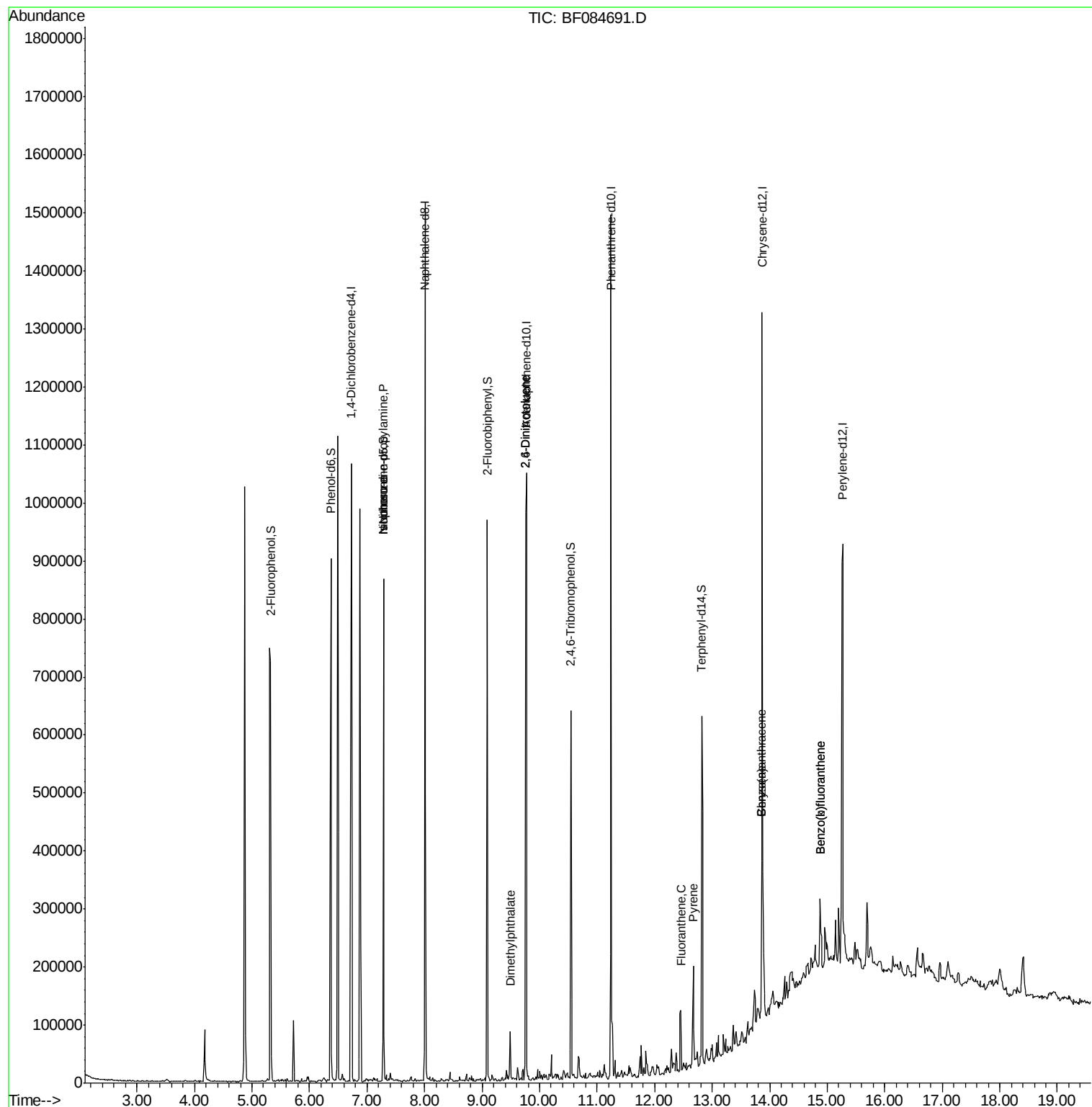
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	188080	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	705549	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	300472	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	490496	20.00	ng	0.00
75) Chrysene-d12	13.87	240	393275	20.00	ng	0.00
86) Perylene-d12	15.27	264	409686	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	306016	24.56	ng	0.01
7) Phenol-d6	6.37	99	380437	25.47	ng	0.00
23) Nitrobenzene-d5	7.29	82	237021	18.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	66444	21.10	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	405985	20.08	ng	0.00
78) Terphenyl-d14	12.82	244	240667	13.82	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	30943	3.39	ng	# 69
25) Isophorone	7.29	82	222528	9.41	ng	# 66
49) Dimethylphthalate	9.49	163	45362	2.01	ng	# 92
50) 2,6-Dinitrotoluene	9.76	165	37832	7.62	ng	# 37
56) 2,4-Dinitrotoluene	9.76	165	37832	5.87	ng	# 21
74) Fluoranthene	12.45	202	61992	2.31	ng	94
77) Pyrene	12.67	202	73645	2.48	ng	99
80) Benzo(a)anthracene	13.86	228	52777	2.15	ng	93
82) Chrysene	13.86	228	52777	2.18	ng	97
87) Benzo(b)fluoranthene	14.88	252	90489	3.41	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	90311	4.12	ng	99

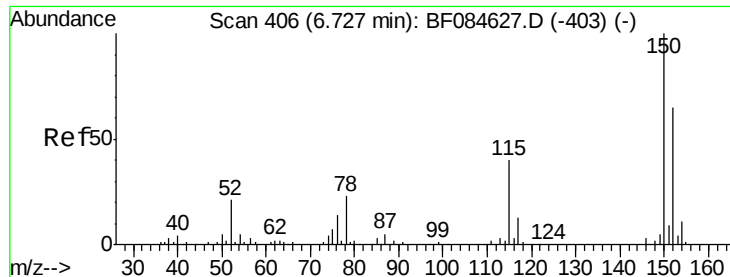
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 29 12:54:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

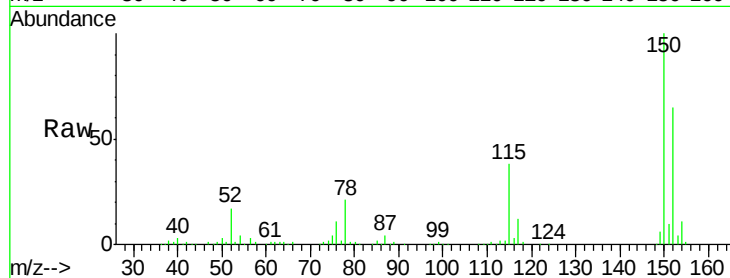
Tgt Ion:152 Resp: 188080

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

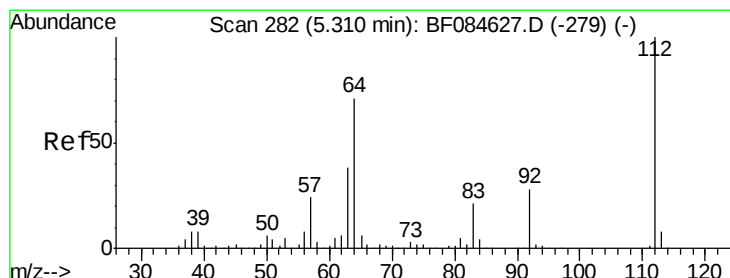
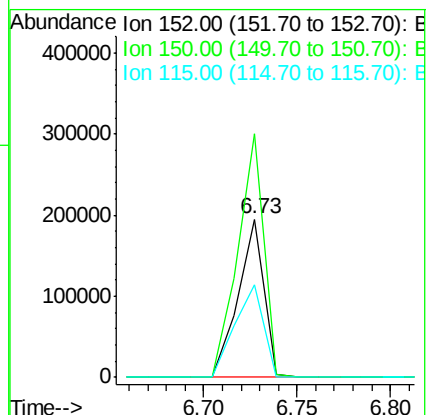
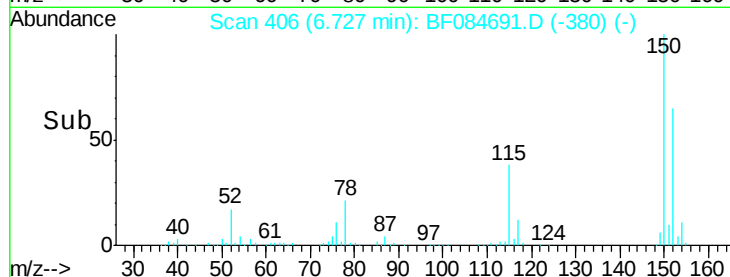
115 58.5 51.4 77.2



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: 24.56 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

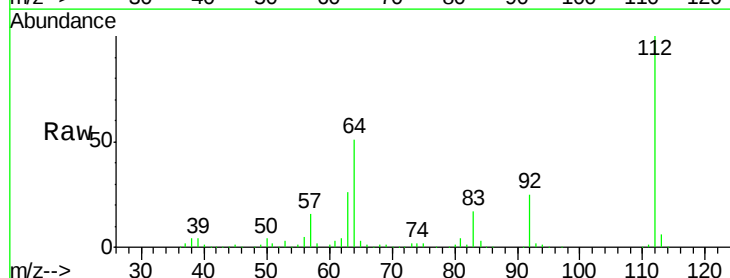
Tgt Ion:112 Resp: 306016

Ion Ratio Lower Upper

112 100

64 50.9 36.6 55.0

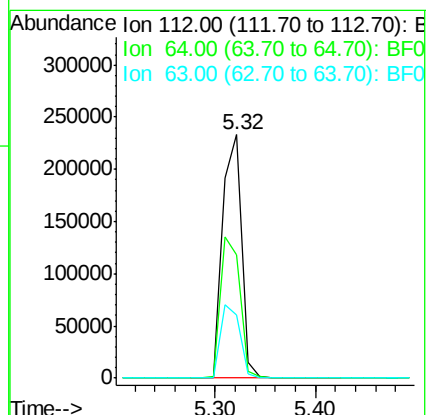
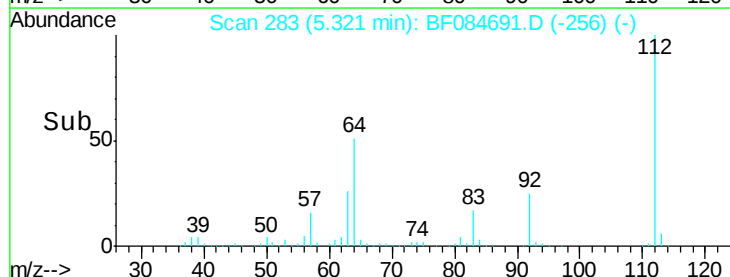
63 25.8 19.4 29.0

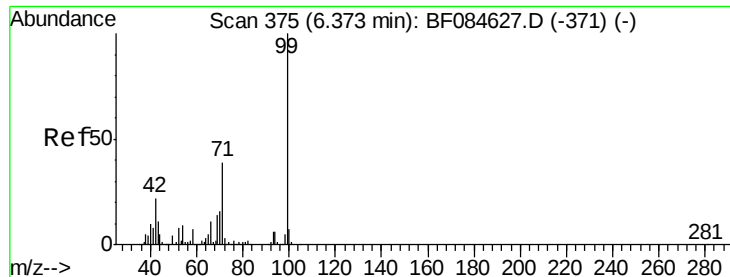


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.47 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

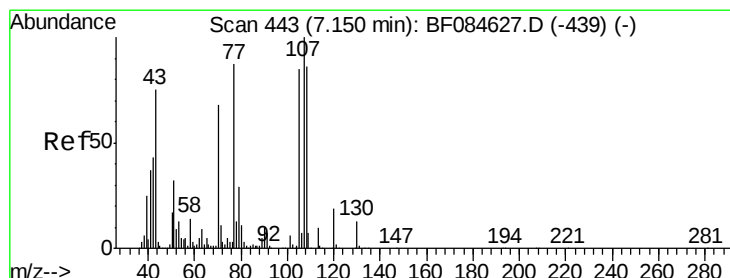
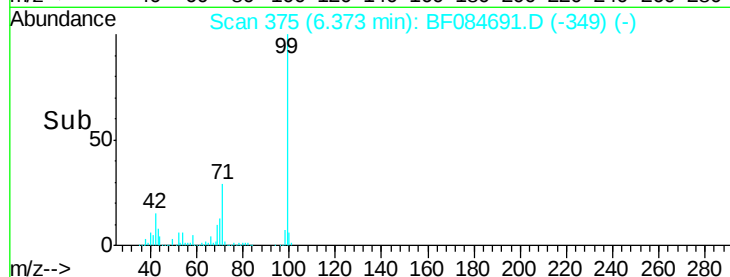
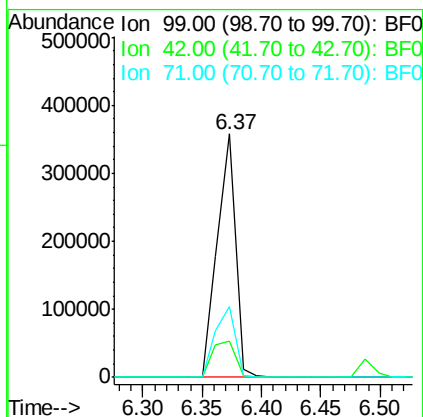
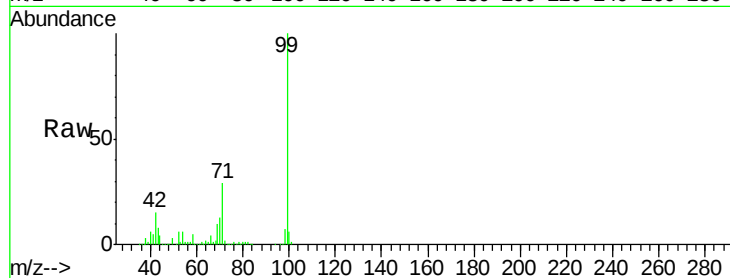
Tgt Ion: 99 Resp: 380437

Ion Ratio Lower Upper

99 100

42 14.9 12.8 19.2

71 29.0 30.9 46.3#



#19

n-Nitroso-di-n-propylamine

Concen: 3.39 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Tgt Ion: 70 Resp: 30943

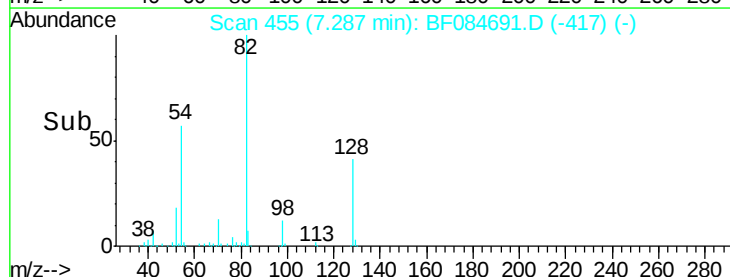
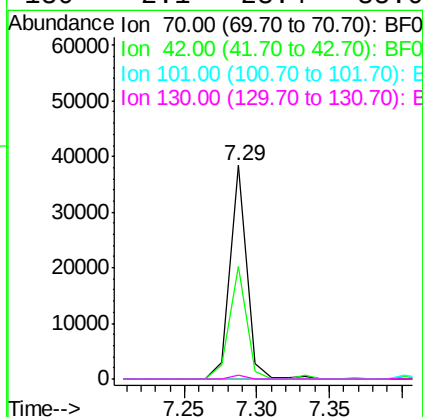
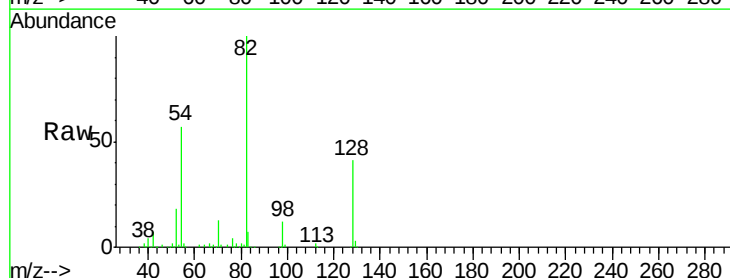
Ion Ratio Lower Upper

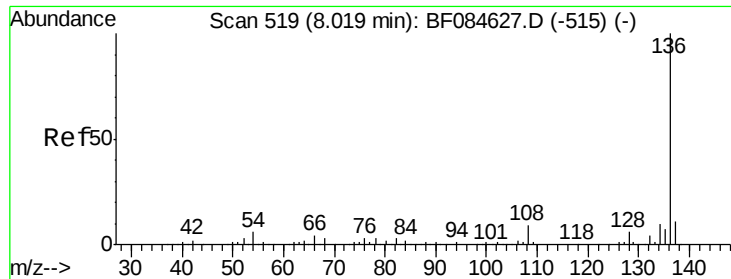
70 100

42 52.7 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

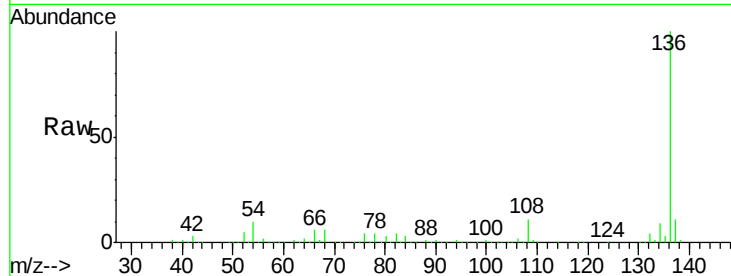




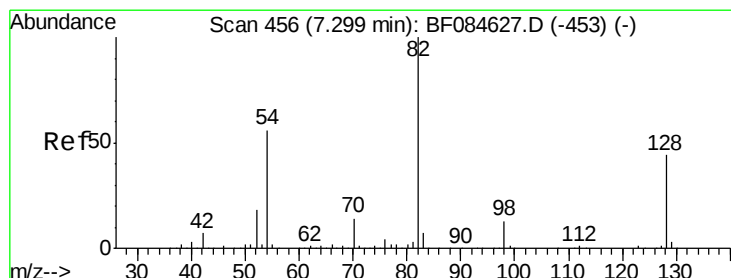
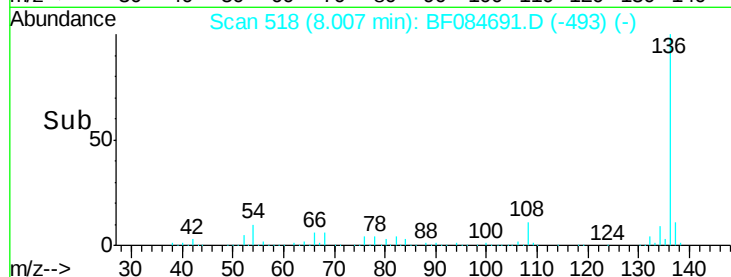
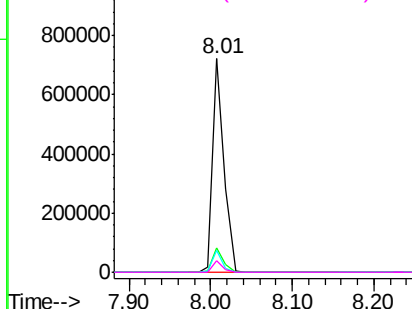
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084691.D
Acq: 30 Jan 2016 17:36

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)

Tgt Ion:	136	Resp:	705549
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.5	5.8	8.8#
68	5.6	4.2	6.2

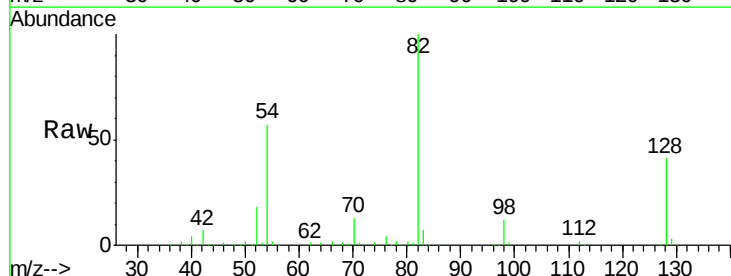


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

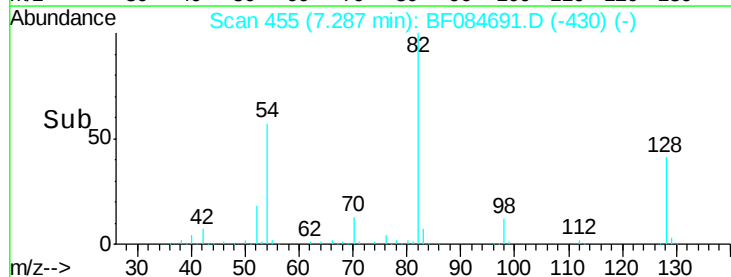
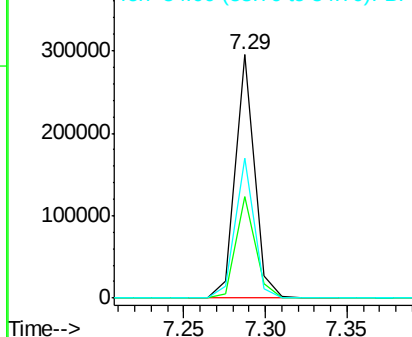


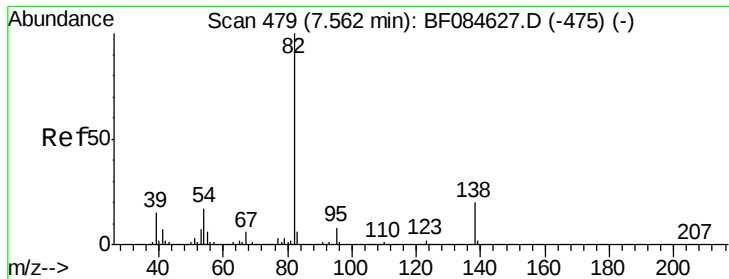
#23
Nitrobenzene-d5
Concen: 18.77 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084691.D
Acq: 30 Jan 2016 17:36

Tgt Ion:	82	Resp:	237021
Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.6	51.8
54	57.3	38.4	57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.41 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

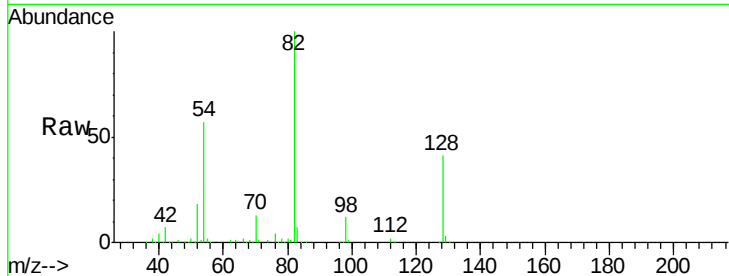
Tgt Ion: 82 Resp: 222528

Ion Ratio Lower Upper

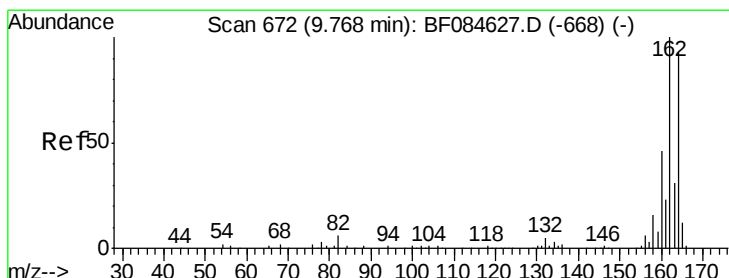
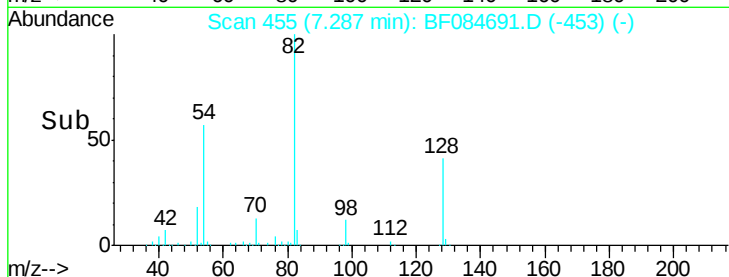
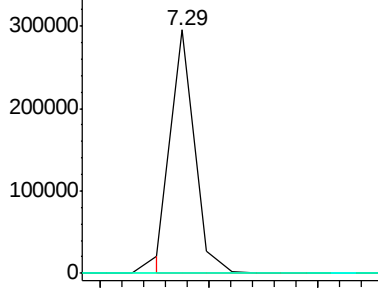
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

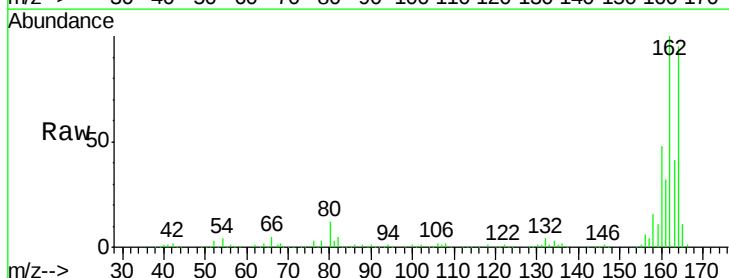
Tgt Ion: 164 Resp: 300472

Ion Ratio Lower Upper

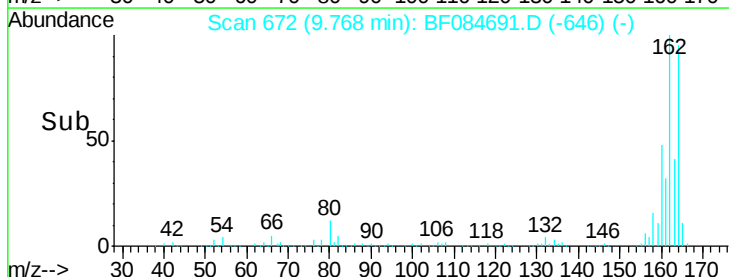
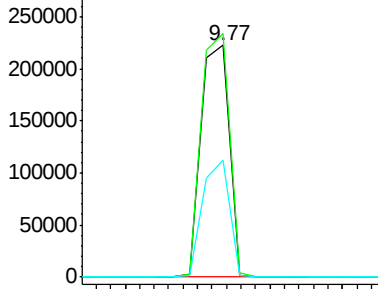
164 100

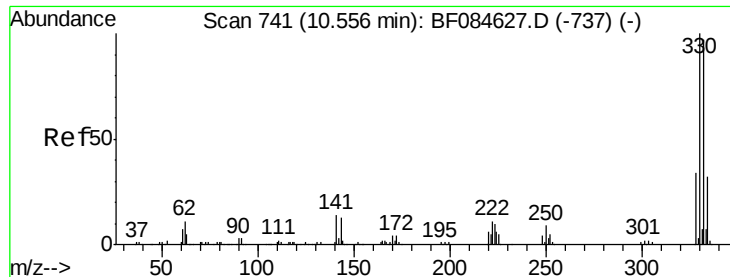
162 105.2 85.1 127.7

160 50.4 37.5 56.3



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

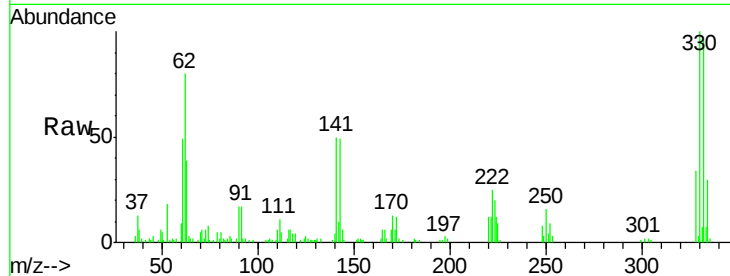




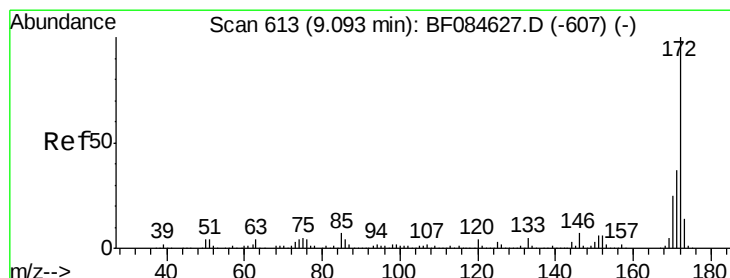
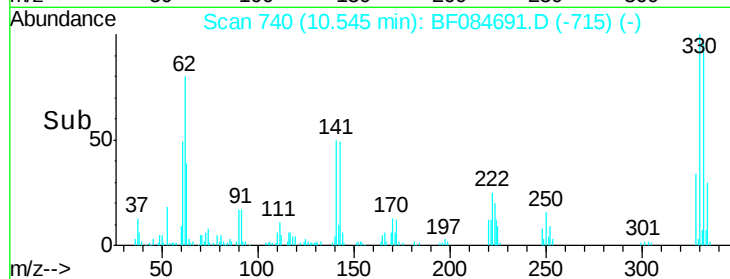
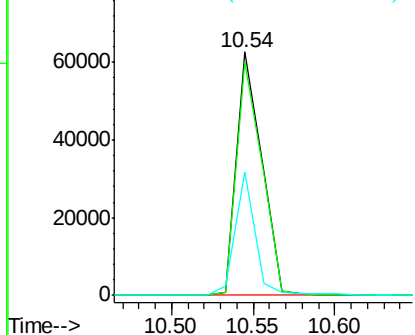
#41
 2,4,6-Tribromophenol
 Concen: 21.10 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084691.D
 Acq: 30 Jan 2016 17:36

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)

Tgt Ion:330 Resp: 66444
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 39.8 27.8 41.6

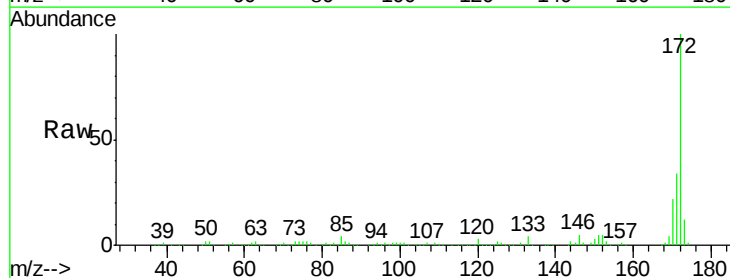


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

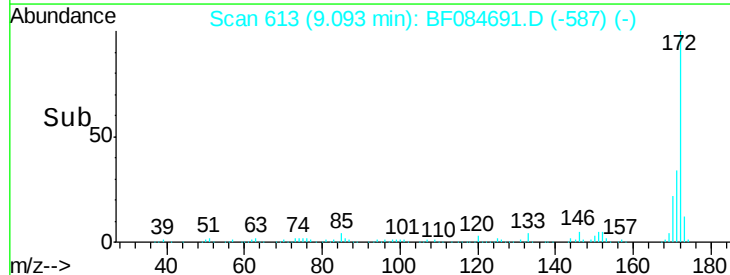
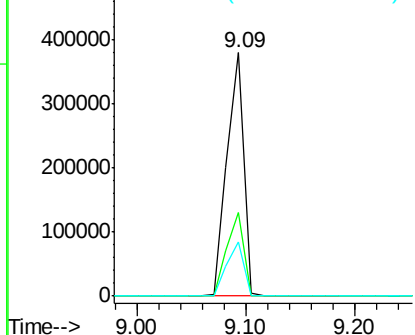


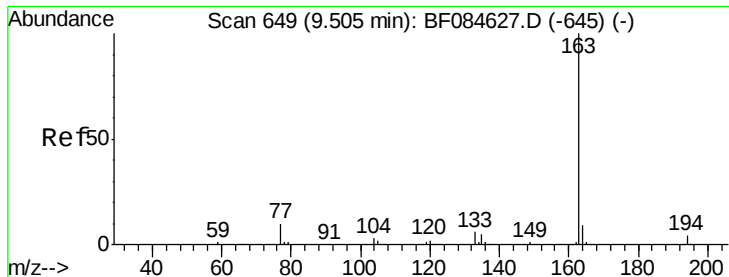
#44
 2-Fluorobiphenyl
 Concen: 20.08 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084691.D
 Acq: 30 Jan 2016 17:36

Tgt Ion:172 Resp: 405985
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.9 43.3
 170 22.4 18.6 27.8



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





#49

Dimethylphthalate

Concen: 2.01 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

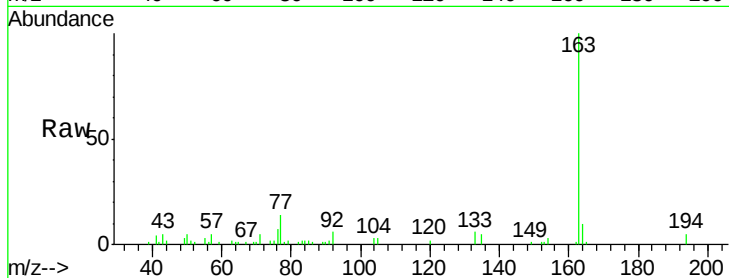
Tgt Ion:163 Resp: 45362

Ion Ratio Lower Upper

163 100

194 4.7 8.0 12.0#

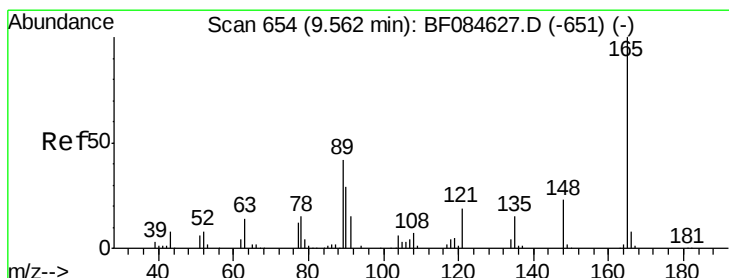
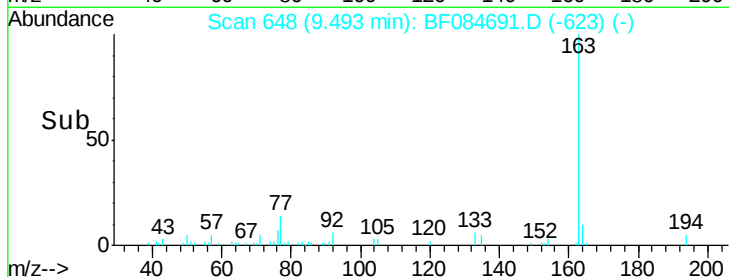
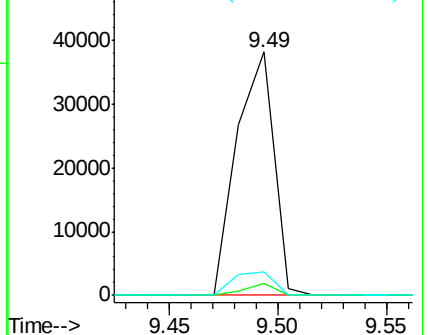
164 9.7 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.62 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.19 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

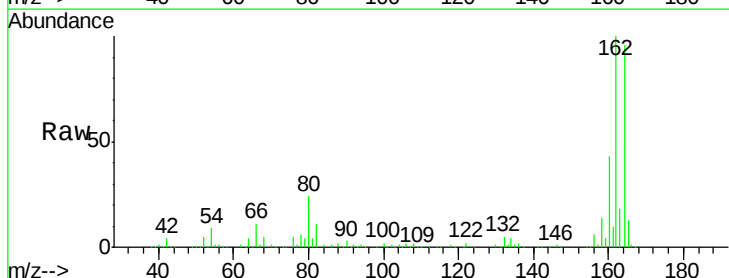
Tgt Ion:165 Resp: 37832

Ion Ratio Lower Upper

165 100

63 1.1 28.8 43.2#

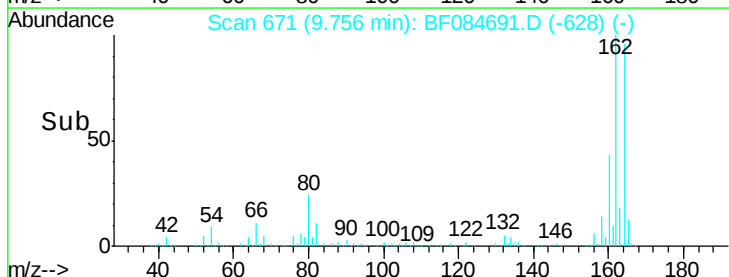
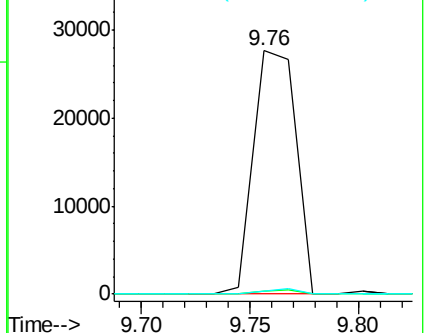
89 1.3 35.1 52.7#

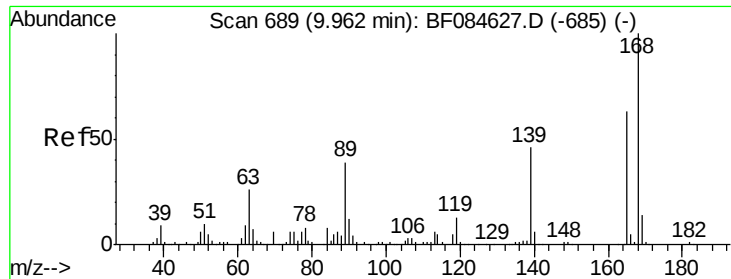


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

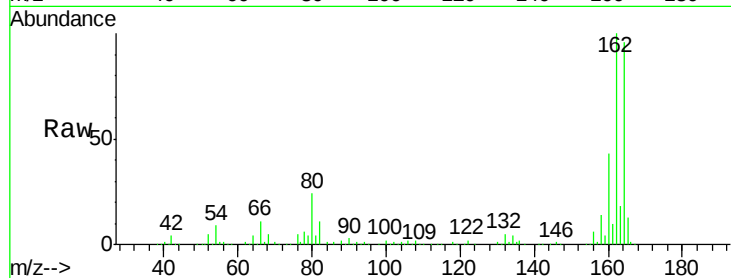




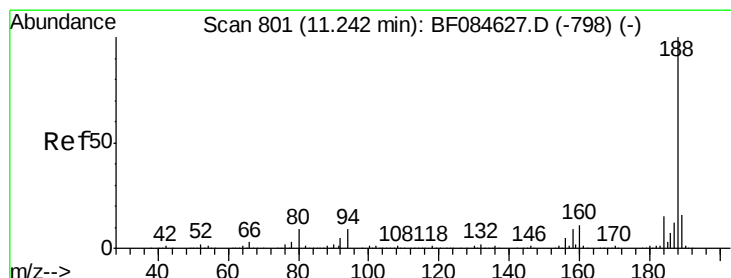
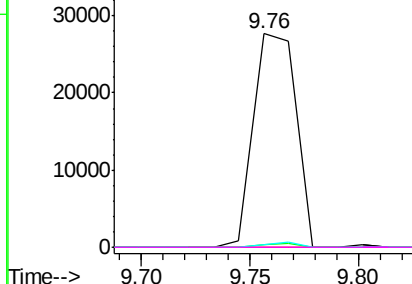
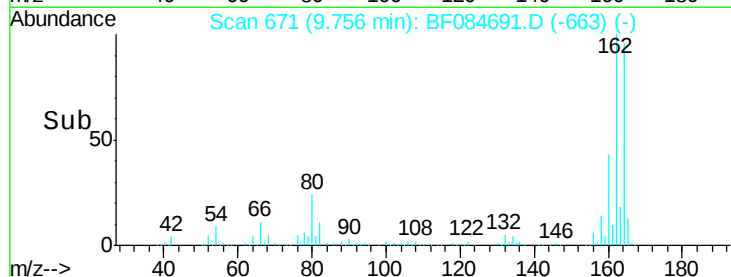
#56
 2,4-Dinitrotoluene
 Concen: 5.87 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.21 min
 Lab File: BF084691.D
 Acq: 30 Jan 2016 17:36

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)

Tgt Ion:165 Resp: 37832
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.7 55.1#
 89 1.3 61.9 92.9#
 182 0.0 2.0 3.0#

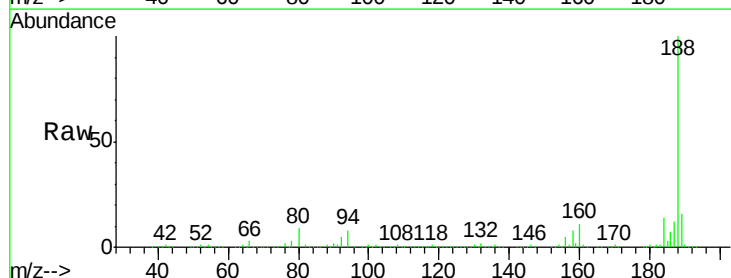


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

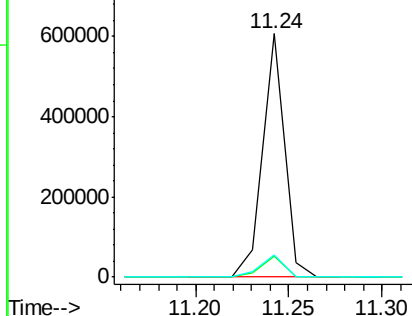
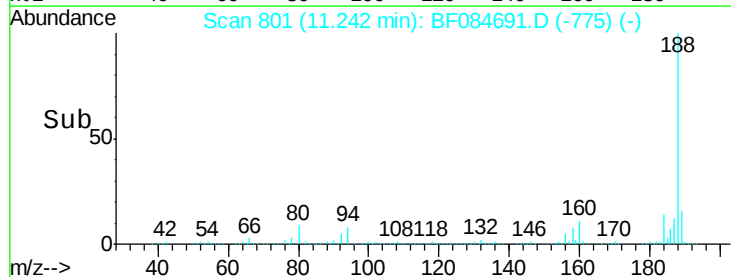


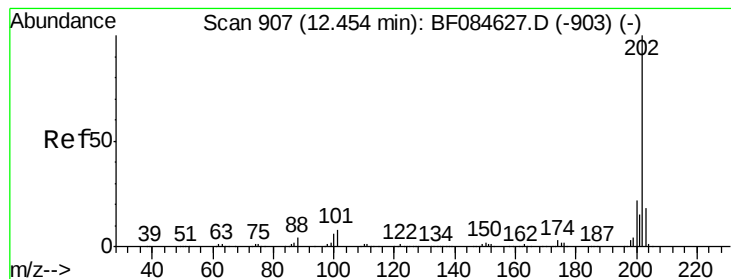
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF084691.D
 Acq: 30 Jan 2016 17:36

Tgt Ion:188 Resp: 490496
 Ion Ratio Lower Upper
 188 100
 94 8.5 9.0 13.4#
 80 8.9 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.31 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

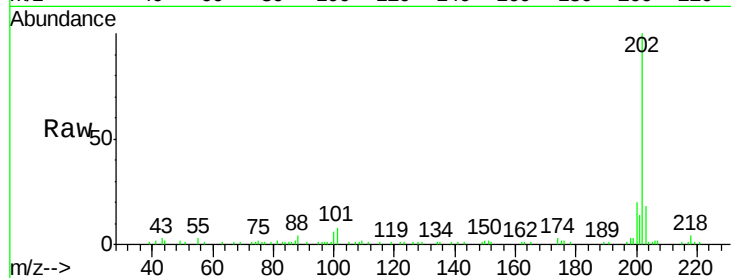
Tgt Ion:202 Resp: 61992

Ion Ratio Lower Upper

202 100

101 7.7 0.0 32.8

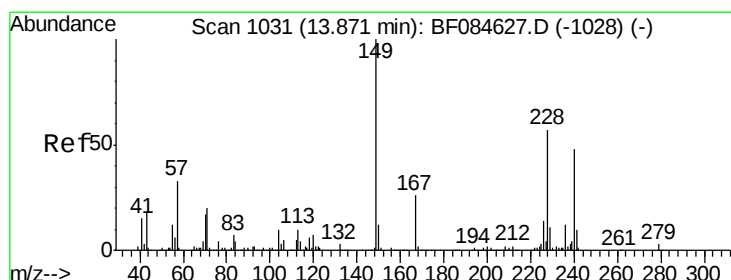
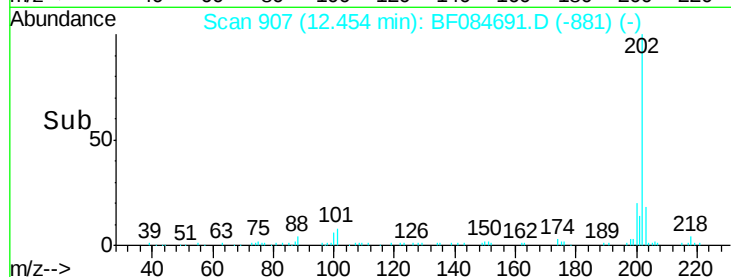
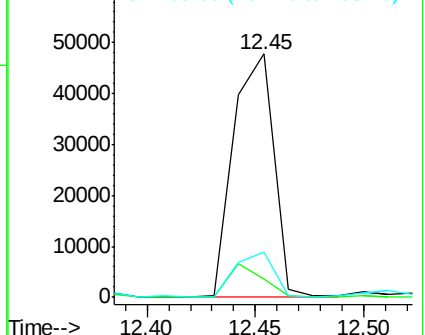
203 18.4 0.0 37.9



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: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

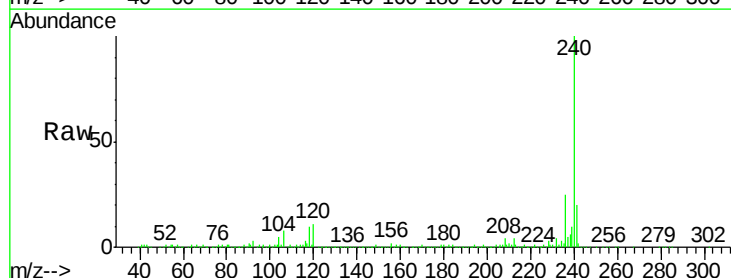
Tgt Ion:240 Resp: 393275

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

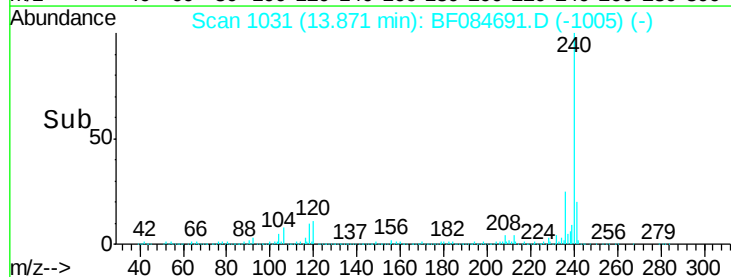
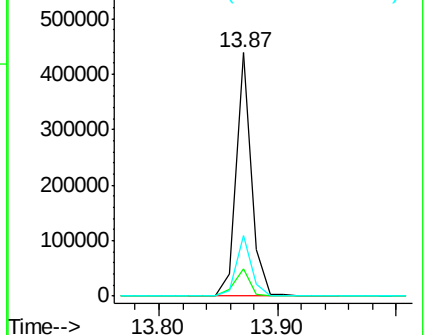
236 24.6 20.6 31.0

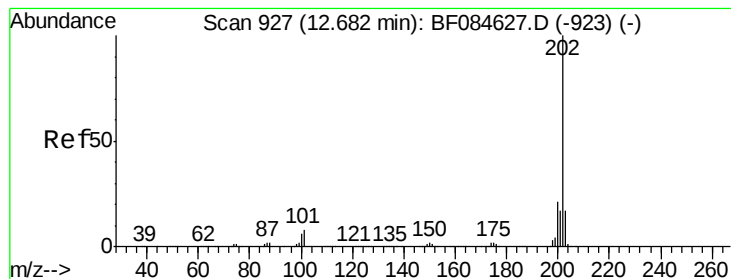


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.48 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

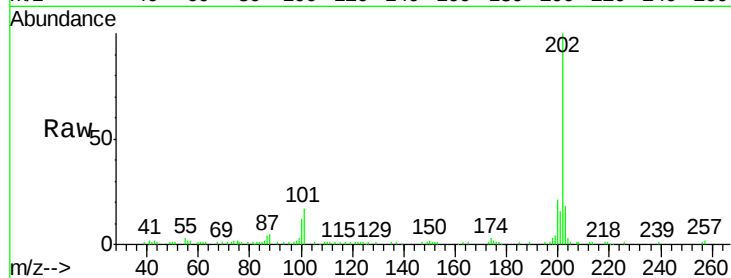
Tgt Ion:202 Resp: 73645

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

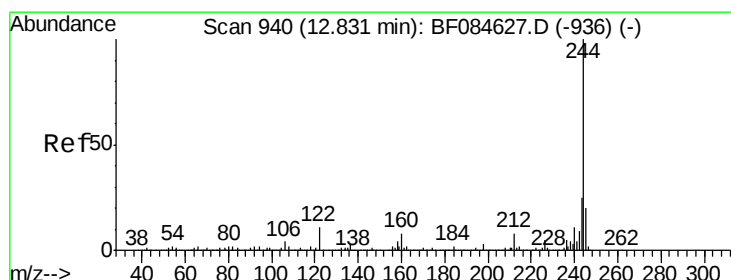
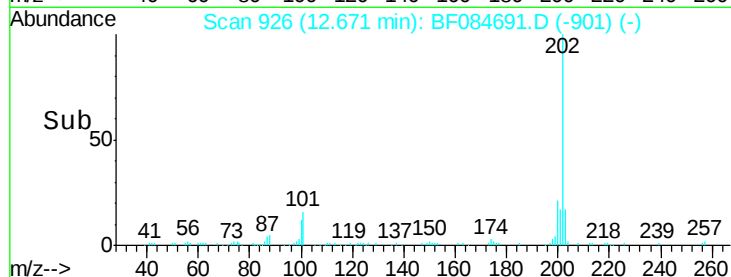
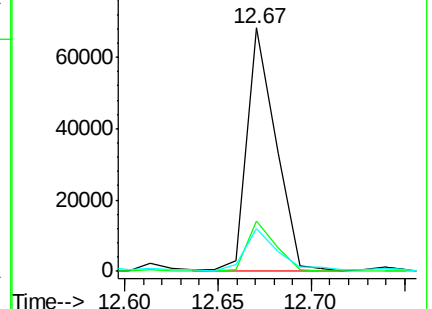
203 17.6 14.3 21.5



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: 13.82 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

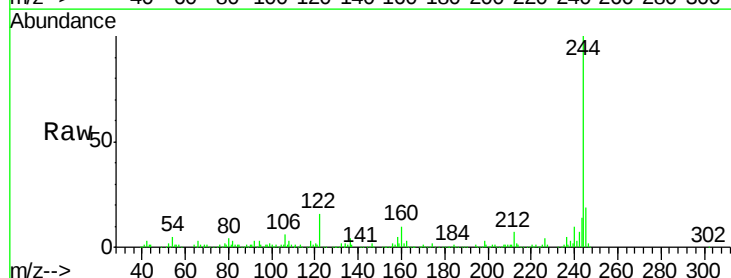
Tgt Ion:244 Resp: 240667

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

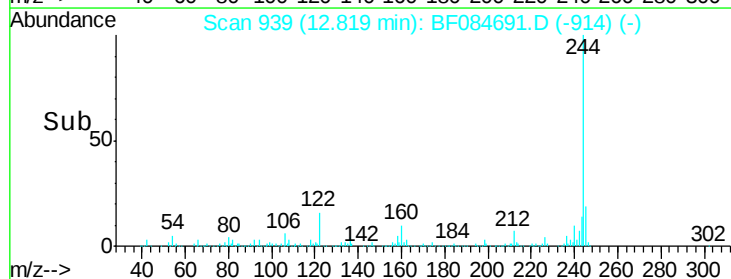
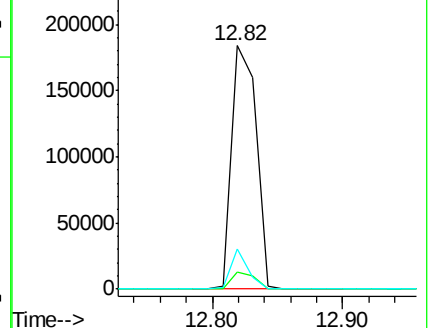
122 16.3 7.4 11.0#

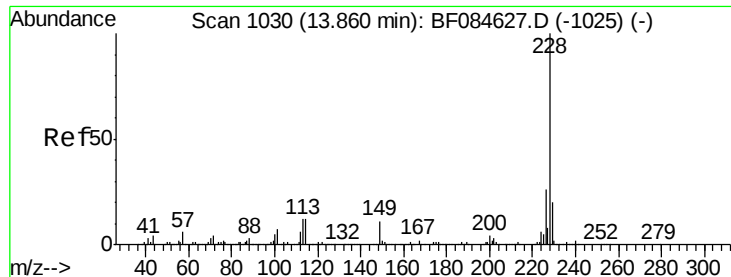


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.15 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

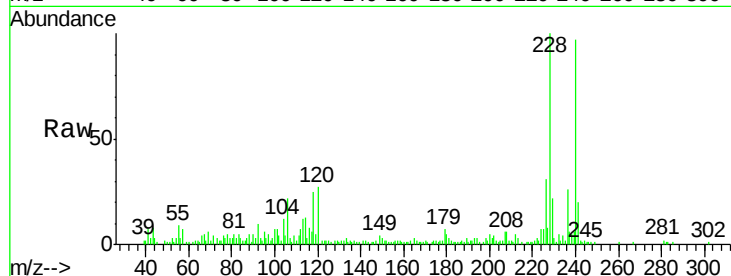
Tgt Ion:228 Resp: 52777

Ion Ratio Lower Upper

228 100

226 31.3 21.8 32.6

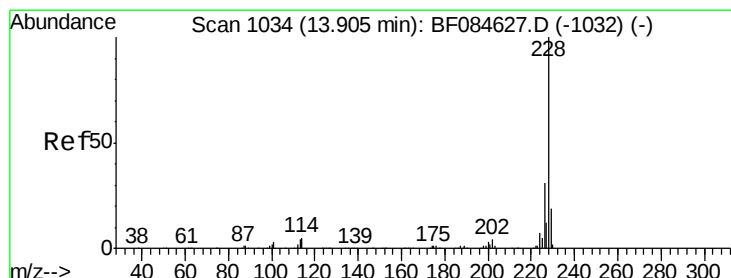
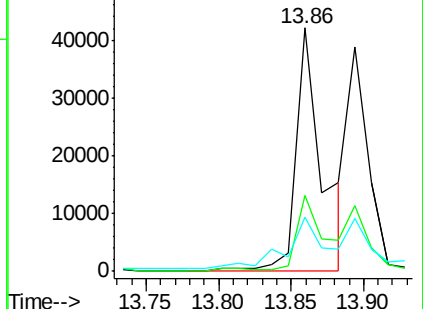
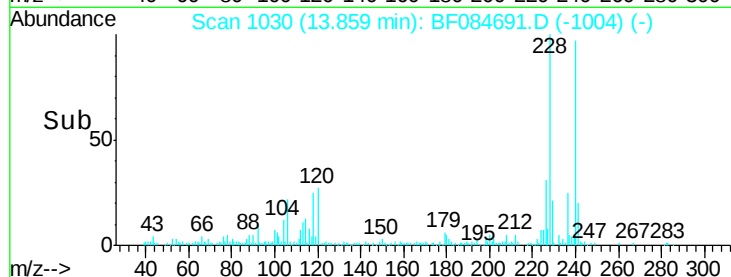
229 22.3 15.8 23.8



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



#82

Chrysene

Concen: 2.18 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF084691.D

Acq: 30 Jan 2016 17:36

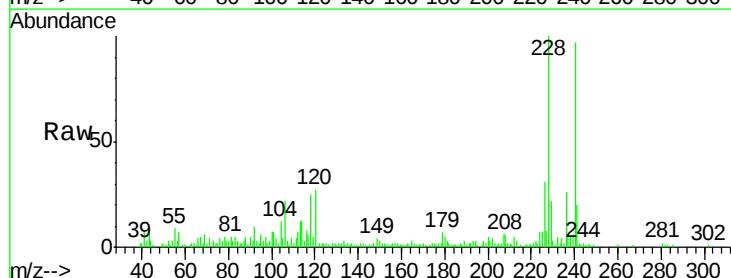
Tgt Ion:228 Resp: 52777

Ion Ratio Lower Upper

228 100

226 31.3 24.3 36.5

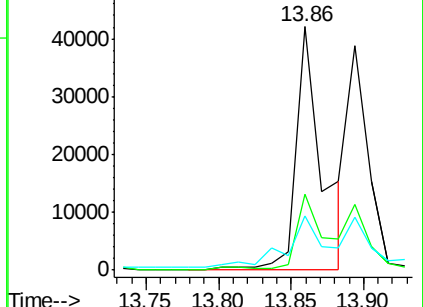
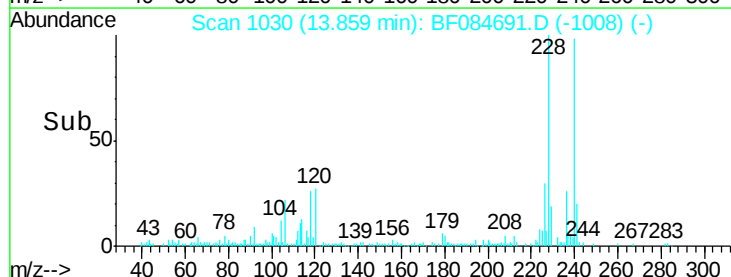
229 22.3 16.1 24.1

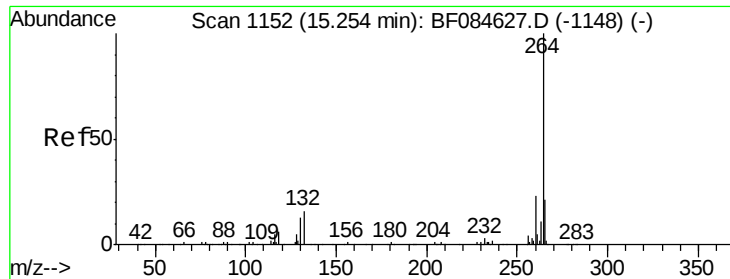


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

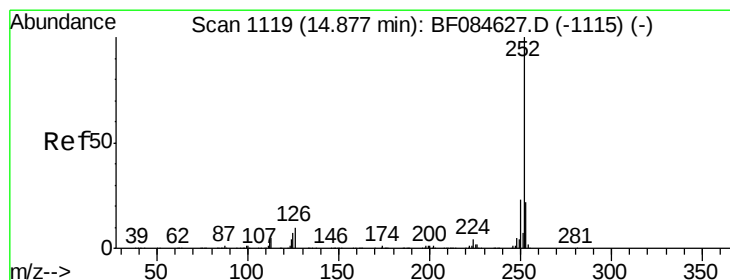
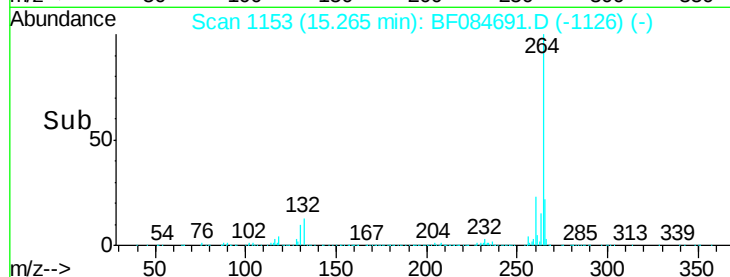
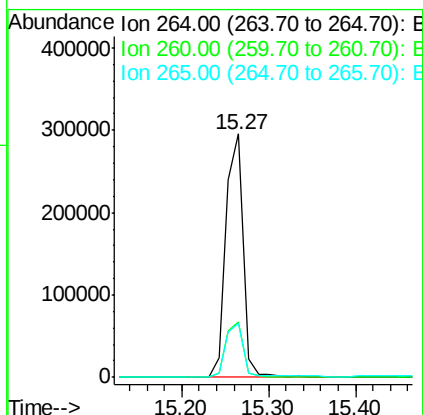
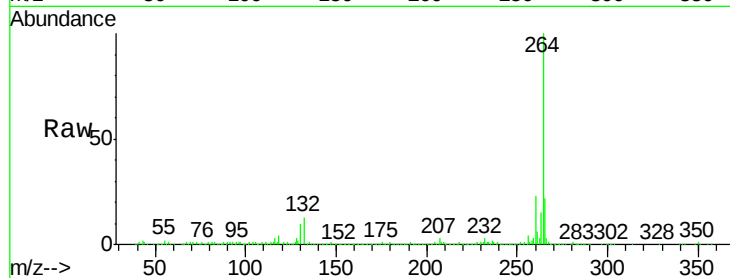




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF084691.D
Acq: 30 Jan 2016 17:36

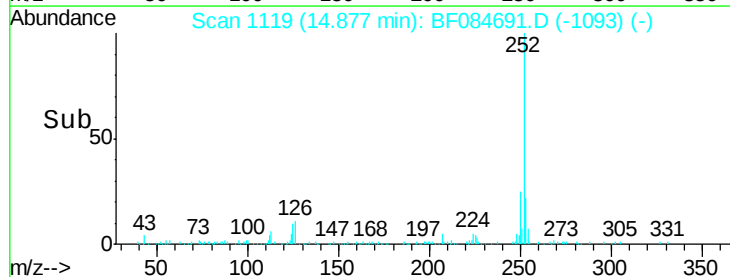
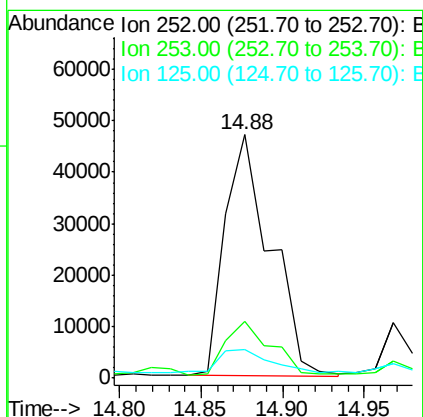
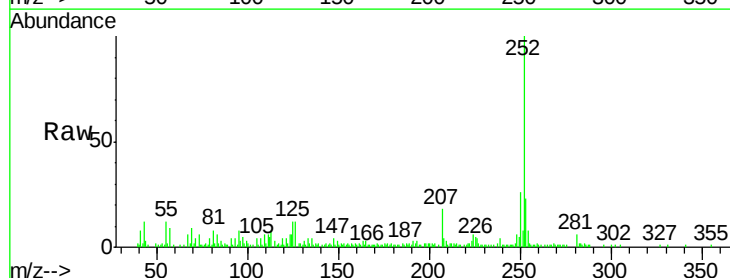
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)

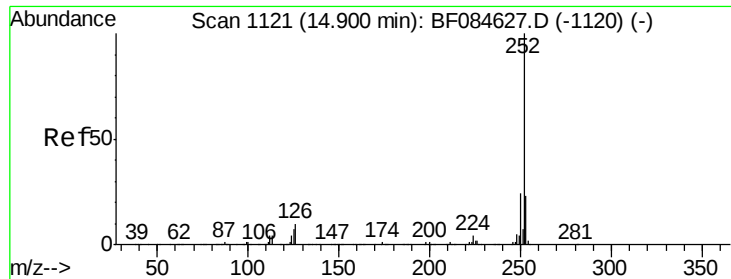
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	22.3	17.8	26.6



#87
Benzo(b)fluoranthene
Concen: 3.41 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF084691.D
Acq: 30 Jan 2016 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	11.8	6.5	9.7#





#88

Benzo(k)fluoranthene

Concen: 4.12 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084691.D

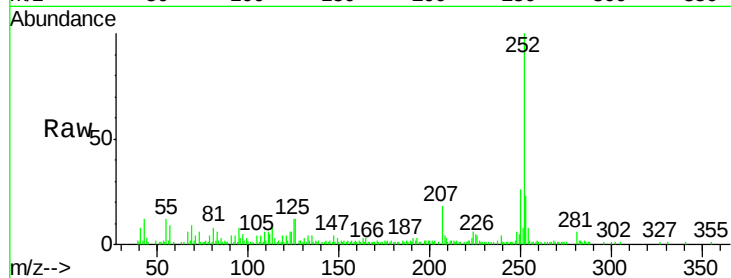
Acq: 30 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)



Tgt Ion:	252	Resp:	90311
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.8	9.0	13.6

