

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087828.D
 Acq On : 9 Jun 2016 00:14
 Operator : UM/SJ
 Sample : H3399-20 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-37

Quant Time: Jun 09 02:03:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

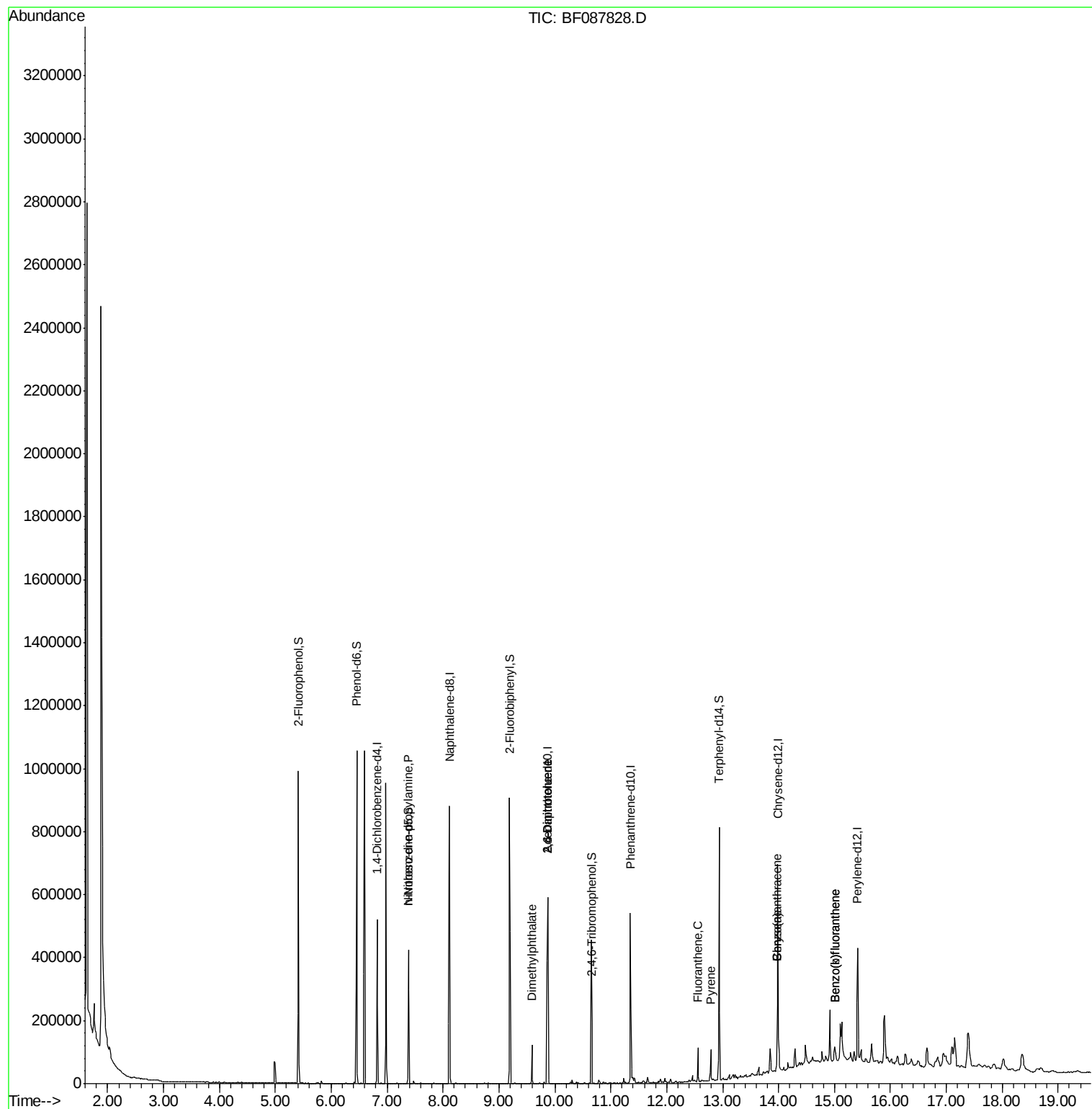
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	92257	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	386759	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	149830	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	219886	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	207008	20.00	ng	0.00
86) Perylene-d12	15.42	264	159081	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	266296	49.35	ng	-0.01
7) Phenol-d6	6.46	99	360821	55.17	ng	-0.02
23) Nitrobenzene-d5	7.38	82	177088	26.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	59279	37.47	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	352470	33.61	ng	-0.02
78) Terphenyl-d14	12.94	244	244985	26.93	ng	-0.01
Target Compounds						
10) Phenol	6.47	94	1653	Below Cal		Qvalue 87
19) n-Nitroso-di-n-propylamine	7.38	70	22968	5.49 ng	#	76
45) 1,1'-Biphenyl	9.19	154	629	Below Cal	#	1
49) Dimethylphthalate	9.59	163	47258	4.35 ng		99
50) 2,6-Dinitrotoluene	9.87	165	18484	7.44 ng	#	37
56) 2,4-Dinitrotoluene	9.87	165	18484	5.79 ng	#	36
57) Fluorene	10.41	166	1013	Below Cal	#	82
74) Fluoranthene	12.56	202	39914	3.28 ng		99
77) Pyrene	12.79	202	38266	2.49 ng		100
80) Benzo(a)anthracene	13.98	228	23704	2.01 ng		95
82) Chrysene	13.98	228	23704	2.14 ng		99
87) Benzo(b)fluoranthene	15.01	252	30953	2.79 ng	#	91
88) Benzo(k)fluoranthene	15.01	252	30953	3.70 ng	#	96

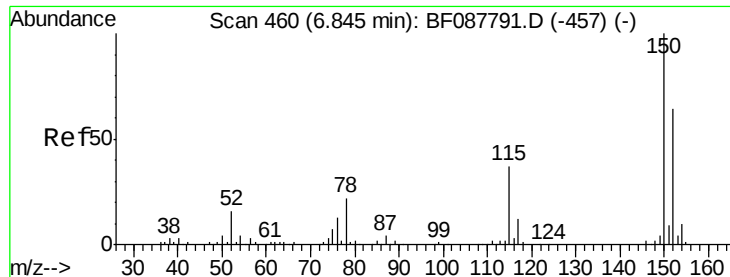
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

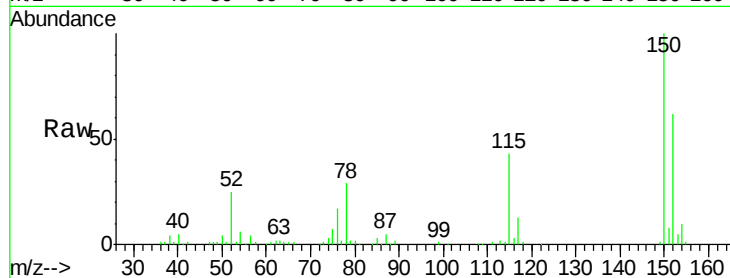
Tgt Ion:152 Resp: 92257

Ion Ratio Lower Upper

152 100

150 160.4 123.8 185.6

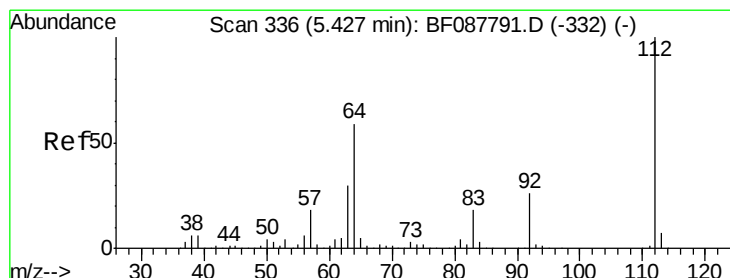
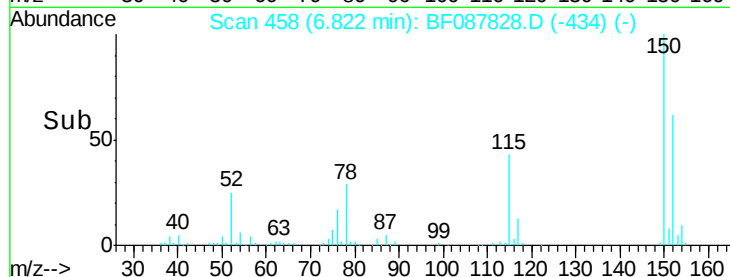
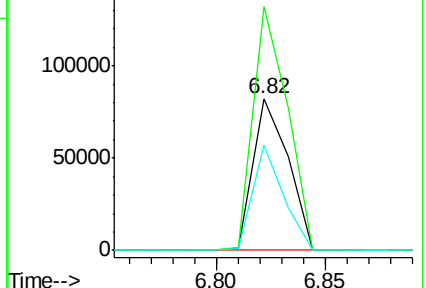
115 69.6 39.6 59.4#



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: 49.35 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

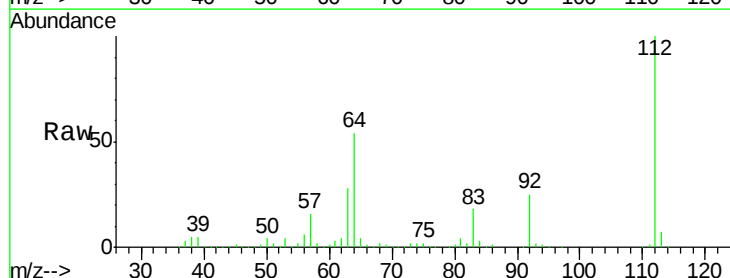
Tgt Ion:112 Resp: 266296

Ion Ratio Lower Upper

112 100

64 54.3 42.2 63.2

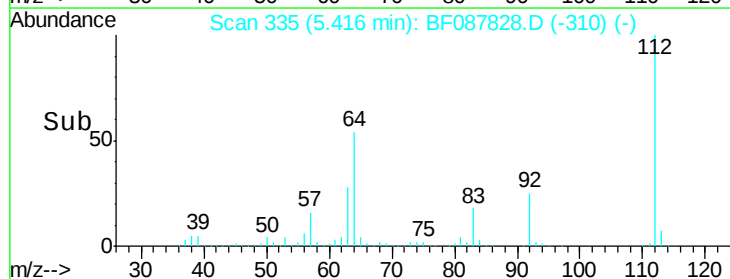
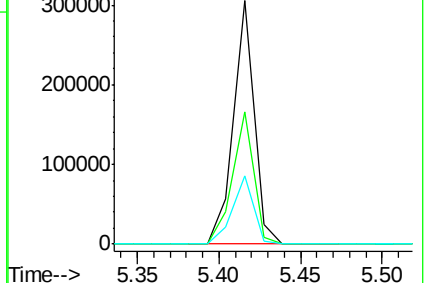
63 27.9 21.8 32.8



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: 55.17 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampled :

SS-37

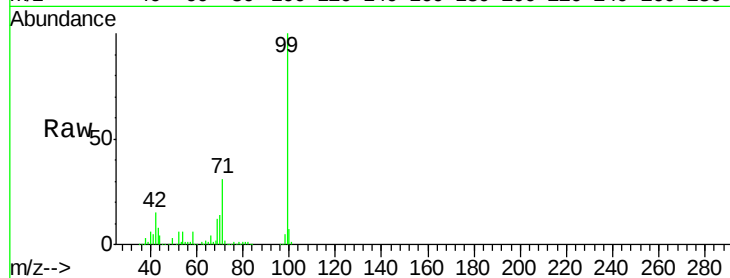
Tgt Ion: 99 Resp: 360821

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

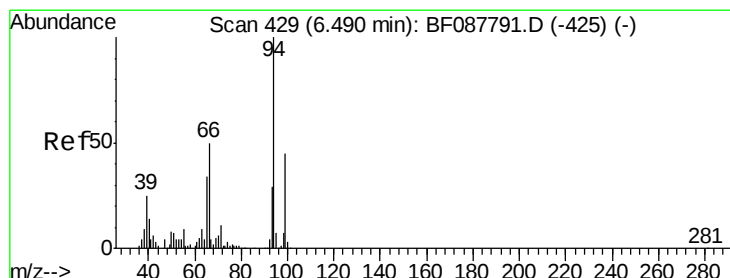
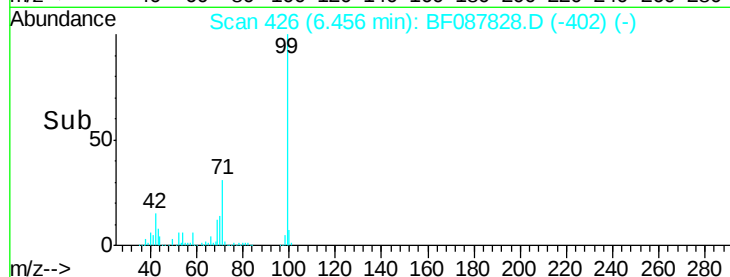
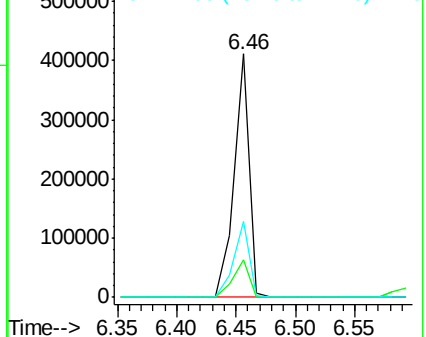
71 31.4 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

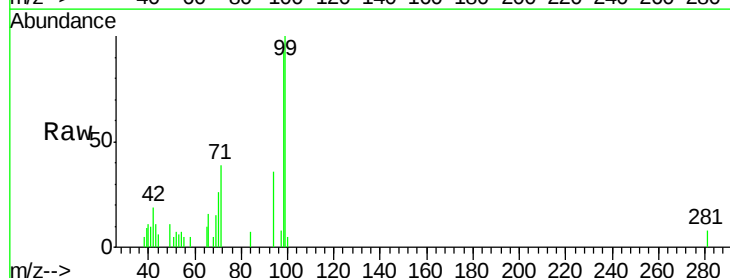
Tgt Ion: 94 Resp: 1653

Ion Ratio Lower Upper

94 100

65 28.3 5.9 45.9

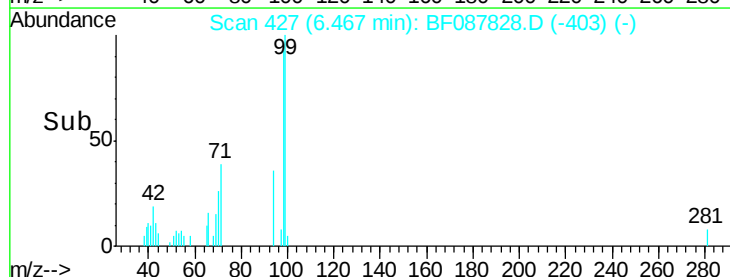
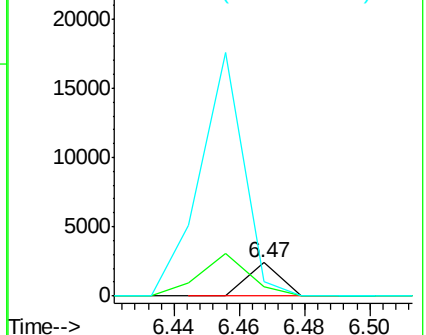
66 45.1 14.0 54.0

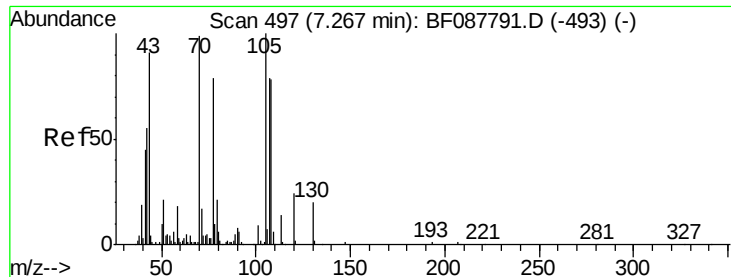


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 5.49 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

Tgt Ion: 70 Resp: 22968

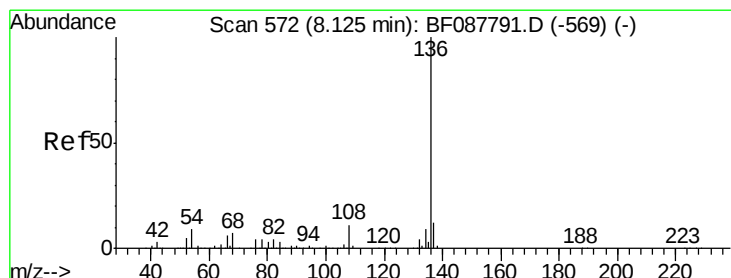
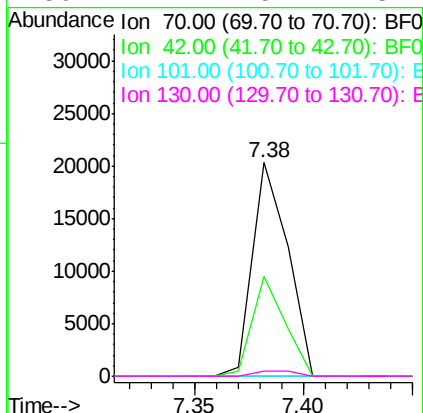
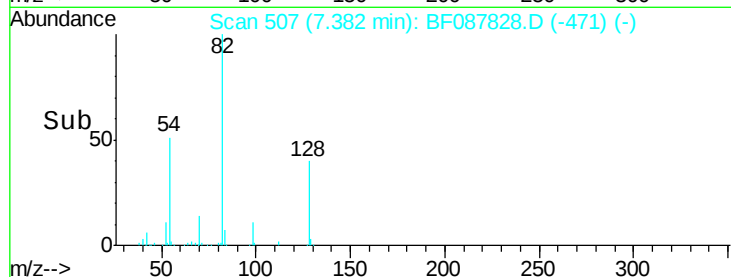
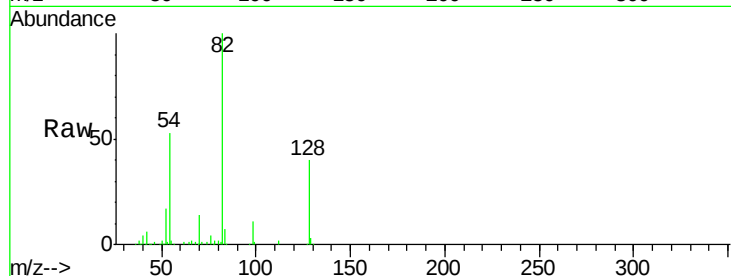
Ion Ratio Lower Upper

70 100

42 46.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Tgt Ion: 136 Resp: 386759

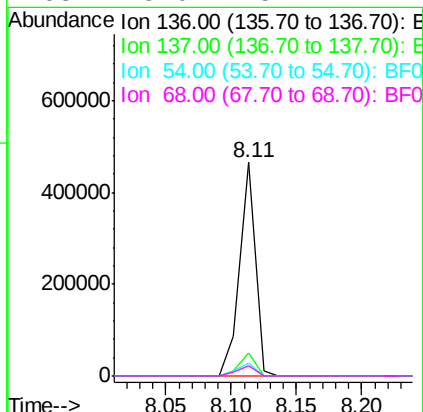
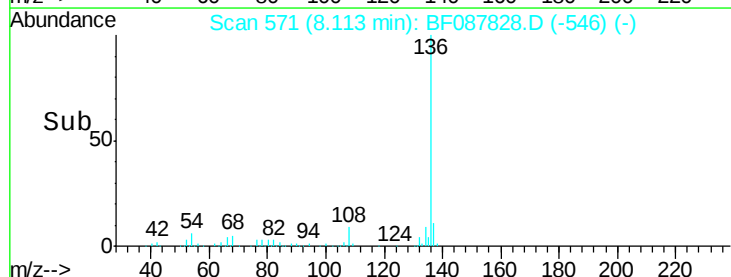
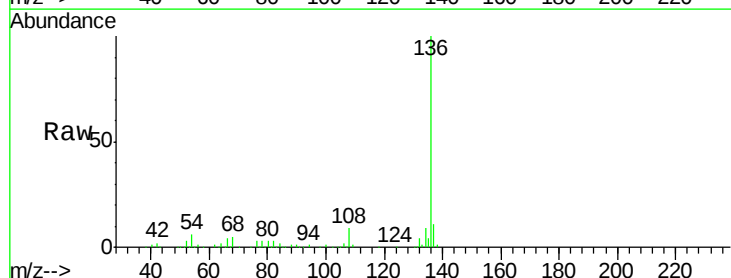
Ion Ratio Lower Upper

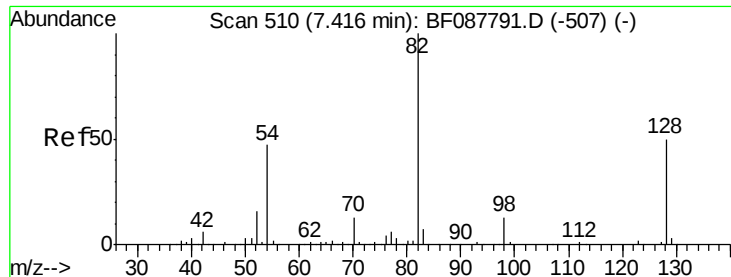
136 100

137 11.0 9.1 13.7

54 6.1 6.6 10.0#

68 5.0 5.1 7.7#

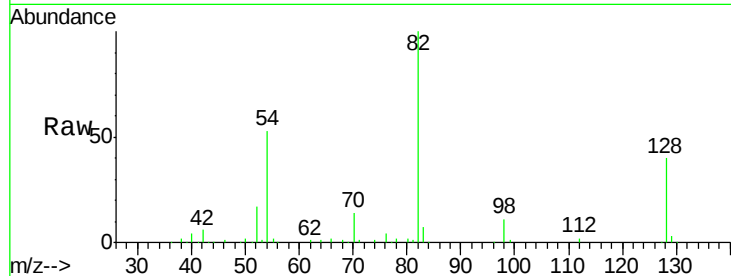




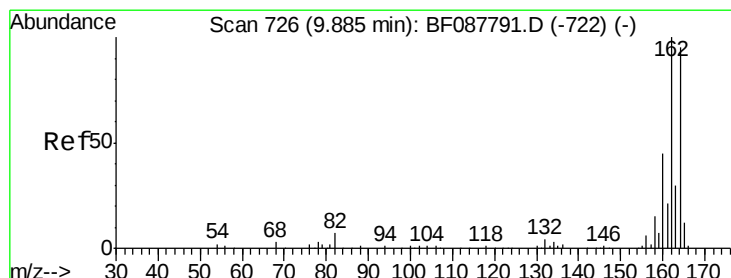
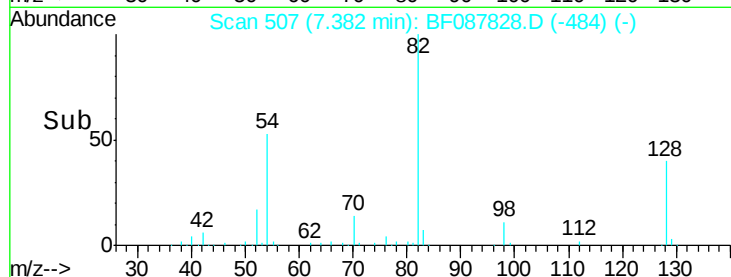
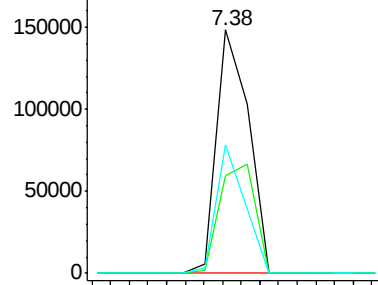
#23
 Nitrobenzene-d5
 Concen: 26.74 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-37

Tgt Ion: 82 Resp: 177088
 Ion Ratio Lower Upper
 82 100
 128 40.3 35.9 53.9
 54 52.7 40.9 61.3

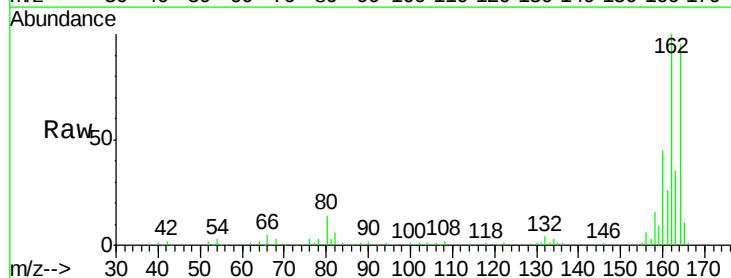


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

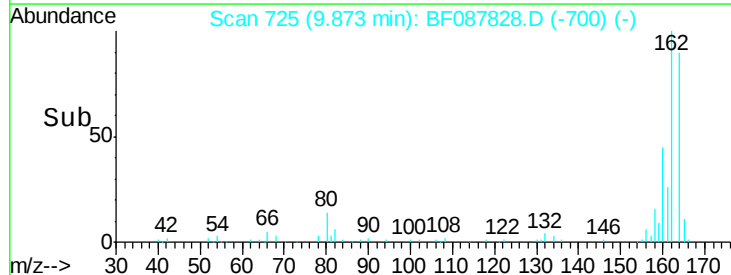
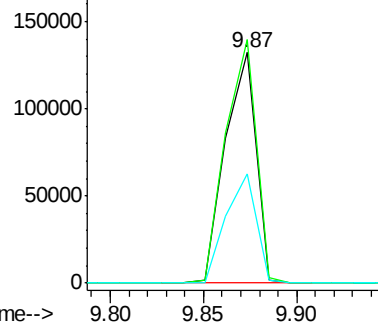


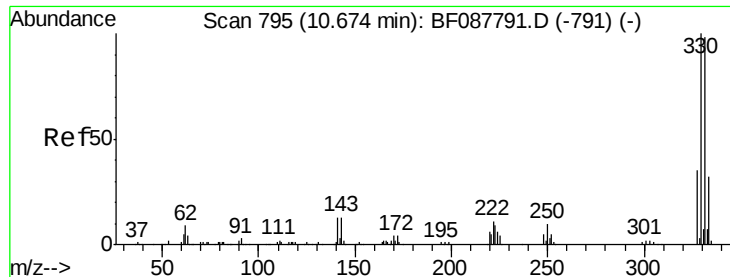
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Tgt Ion: 164 Resp: 149830
 Ion Ratio Lower Upper
 164 100
 162 105.8 85.4 128.2
 160 47.7 39.5 59.3



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

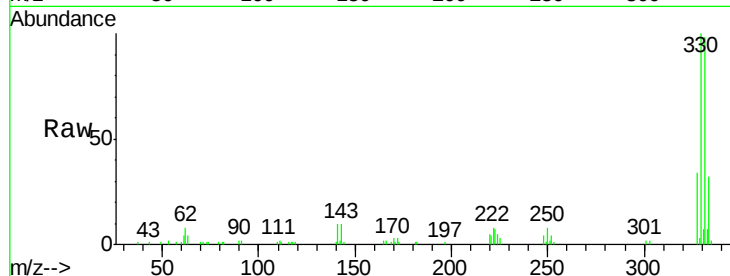




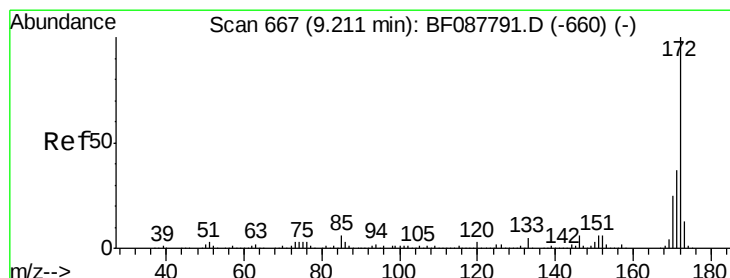
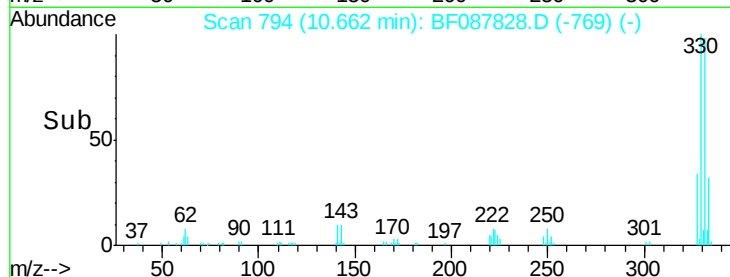
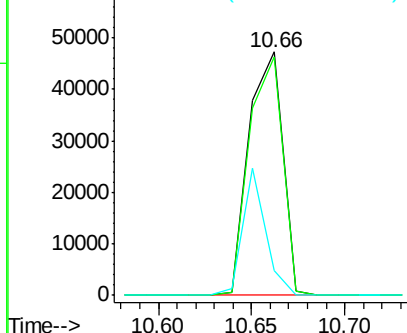
#41
 2,4,6-Tribromophenol
 Concen: 37.47 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-37

Tgt Ion:330 Resp: 59279
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 35.6 0.0 0.0#

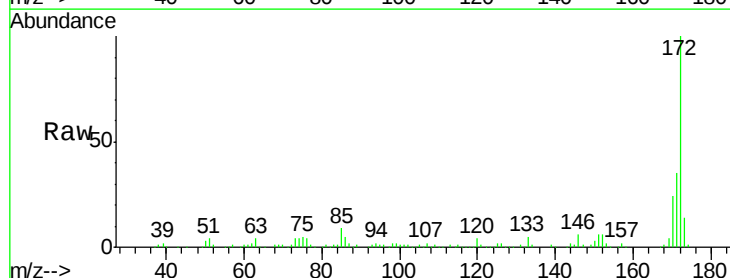


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

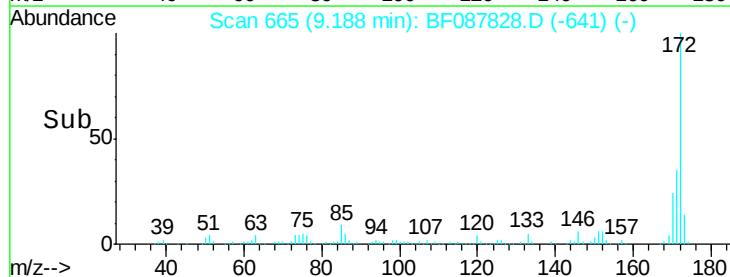
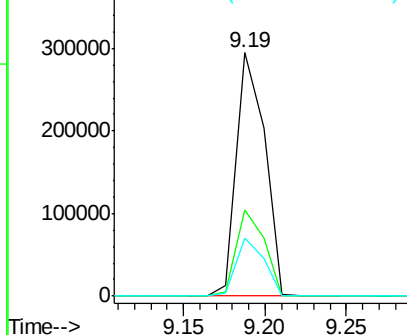


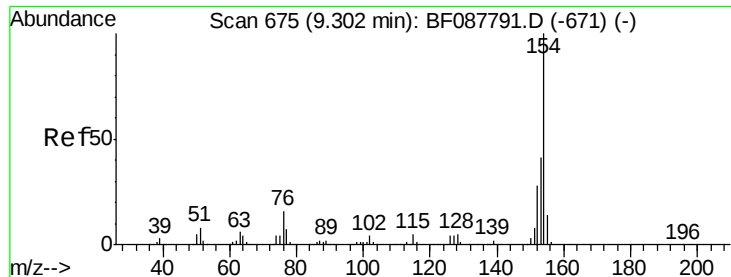
#44
 2-Fluorobiphenyl
 Concen: 33.61 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Tgt Ion:172 Resp: 352470
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.6 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.19 min Scan# 665

Delta R.T. -0.11 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

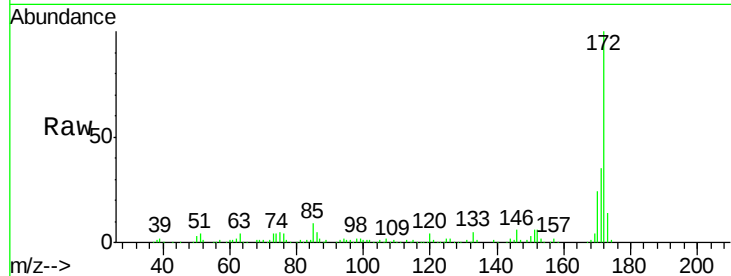
Tgt Ion:154 Resp: 629

Ion Ratio Lower Upper

154 100

153 968.3 20.6 60.6#

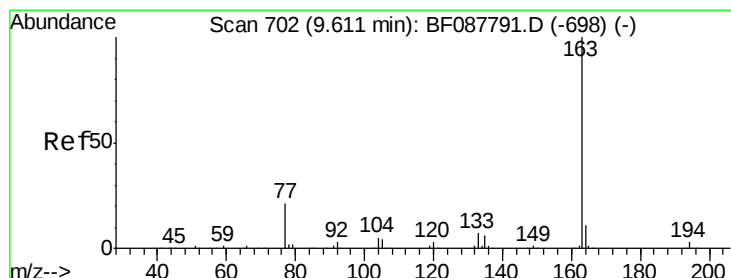
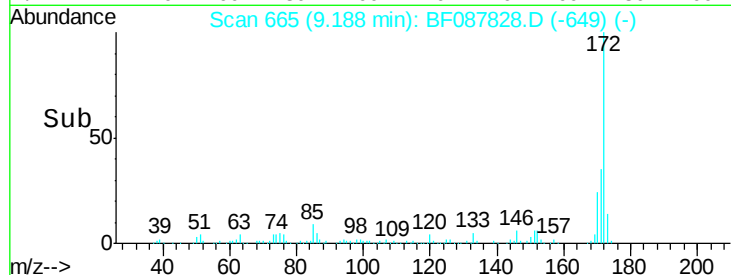
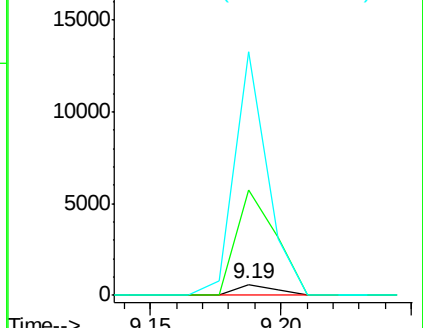
76 2247.8 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 4.35 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

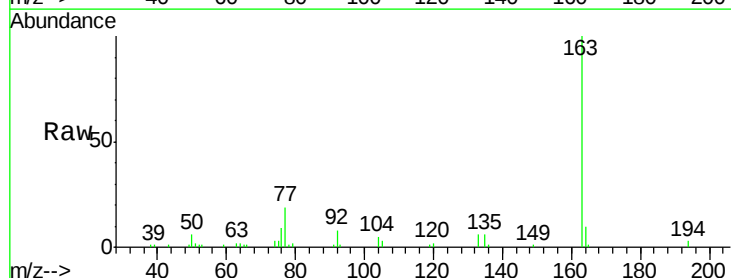
Tgt Ion:163 Resp: 47258

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

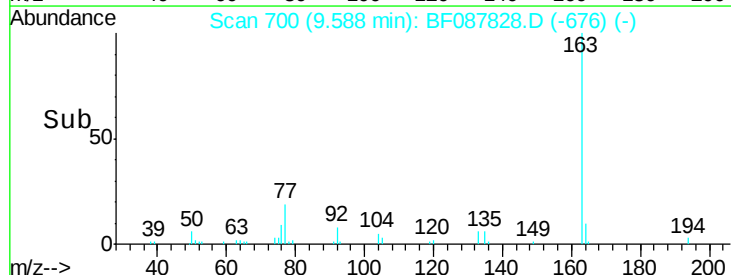
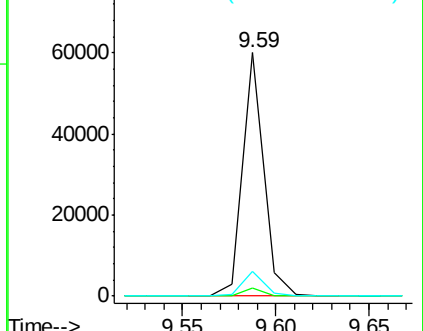
164 10.1 8.3 12.5

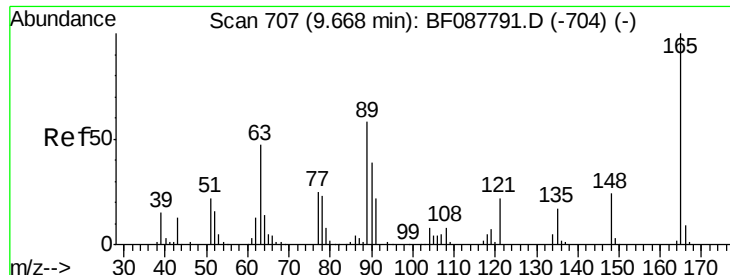


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

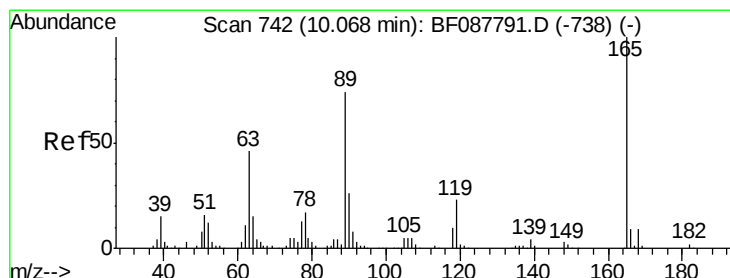
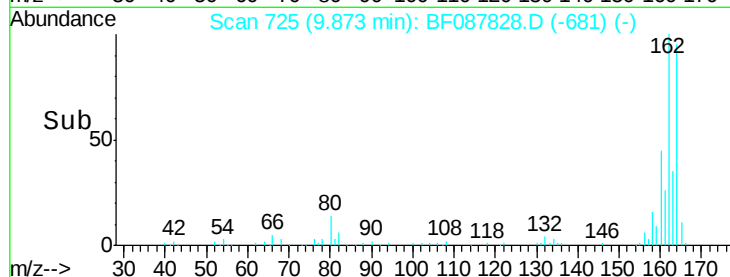
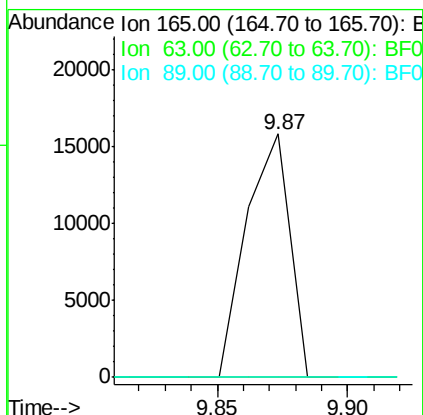
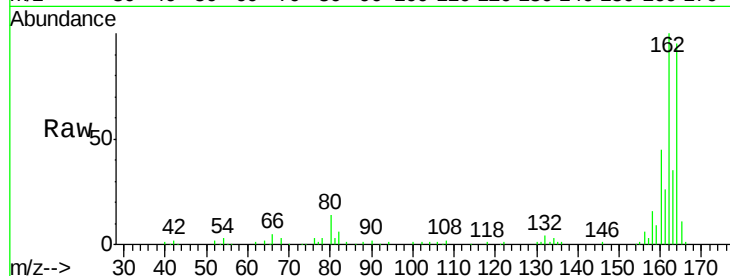




#50
 2,6-Dinitrotoluene
 Concen: 7.44 ng
 RT: 9.87 min Scan# 725
 Delta R.T. 0.21 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

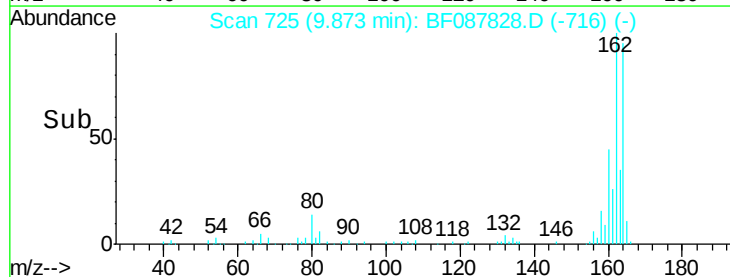
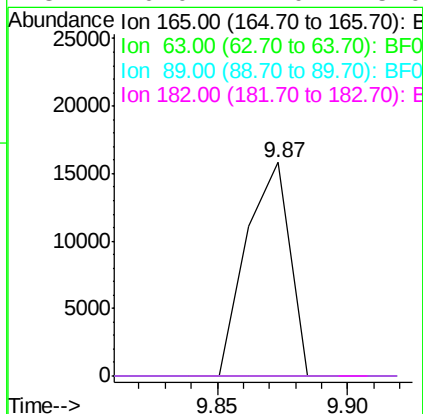
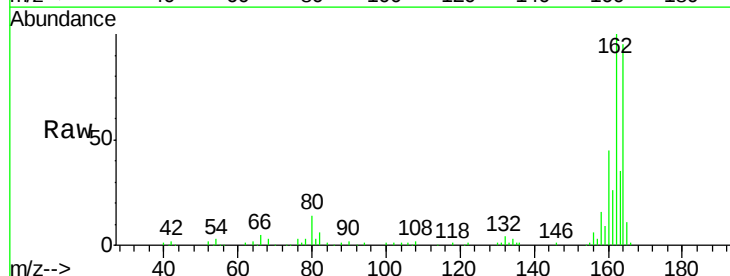
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 ClientSampleId :
 SS-37

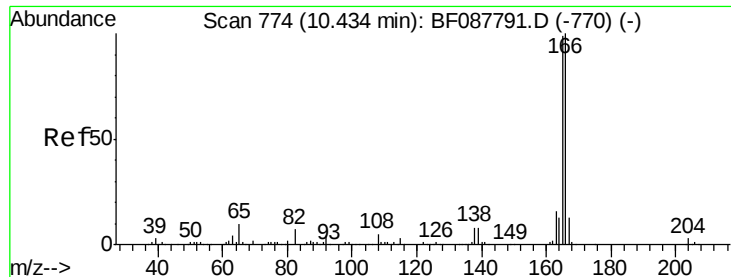
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 5.79 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.19 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

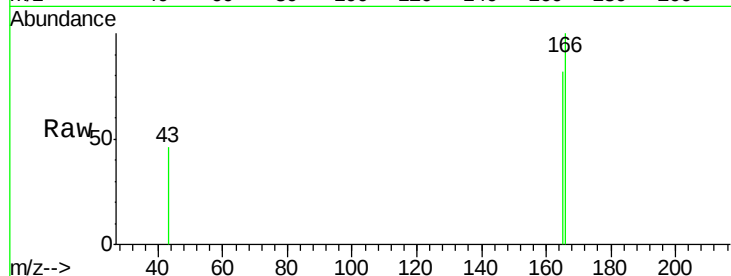




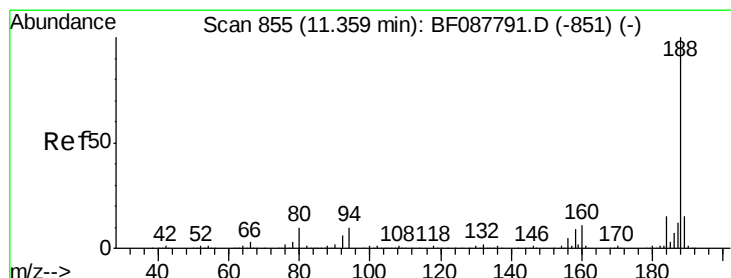
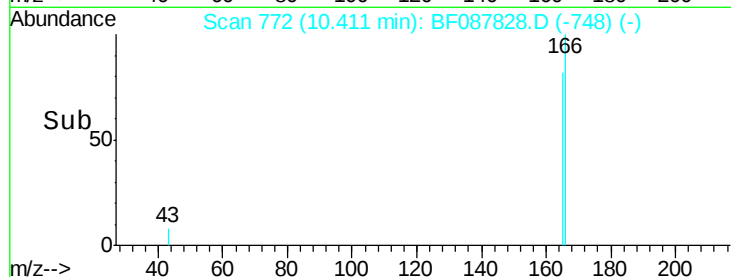
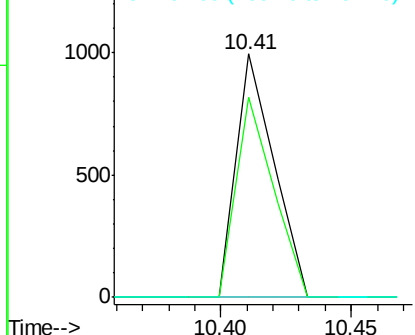
#57
Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-37

Tgt Ion:166 Resp: 1013
 Ion Ratio Lower Upper
 166 100
 165 81.9 77.8 116.8
 167 0.0 11.2 16.8#

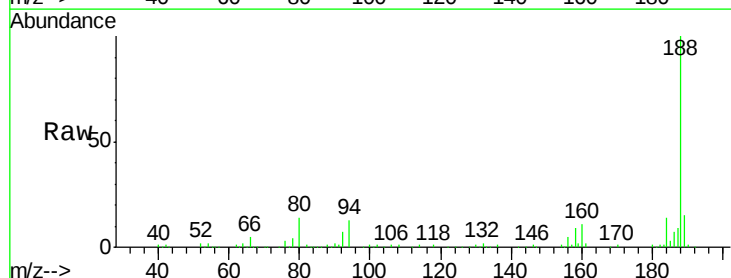


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

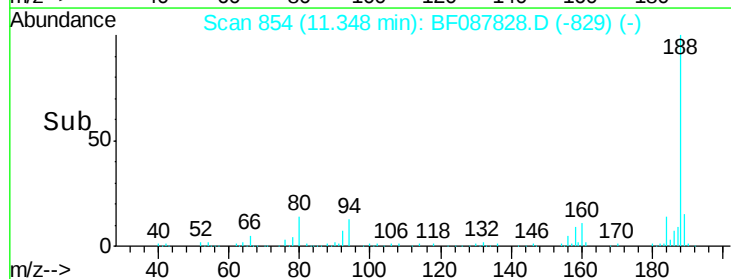
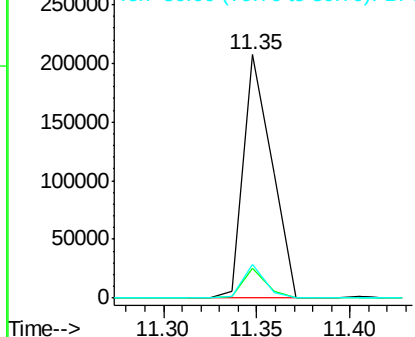


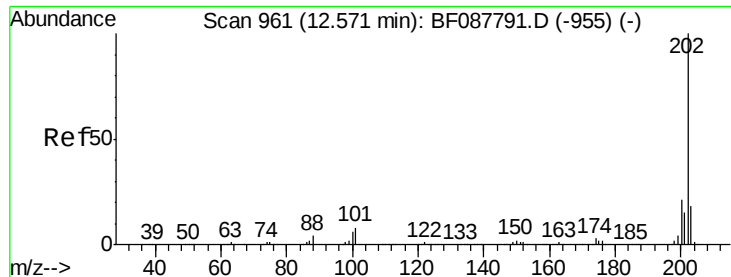
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087828.D
 Acq: 9 Jun 2016 00:14

Tgt Ion:188 Resp: 219886
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.0 13.6
 80 14.0 10.0 15.0



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: 3.28 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

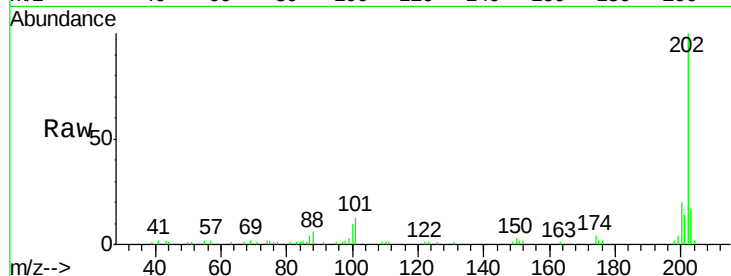
Tgt Ion:202 Resp: 39914

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.1

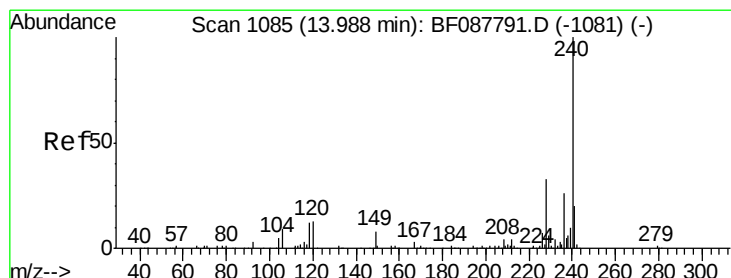
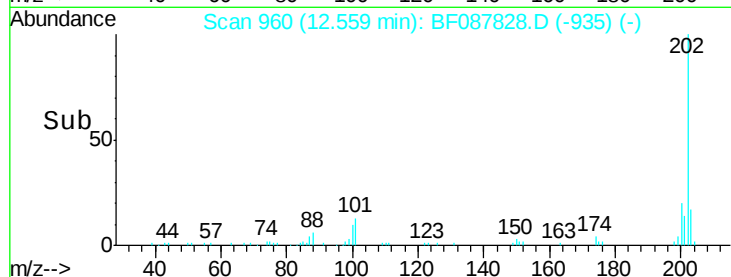
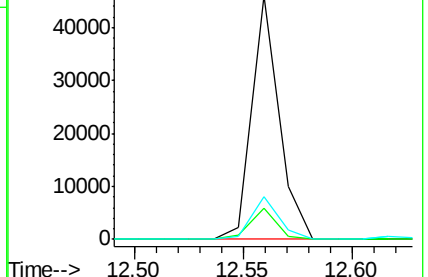
203 17.3 0.0 38.1



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: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

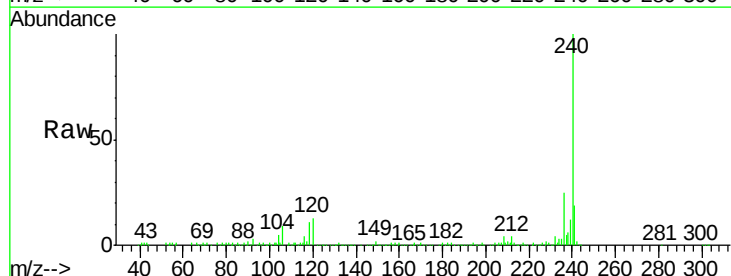
Tgt Ion:240 Resp: 207008

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

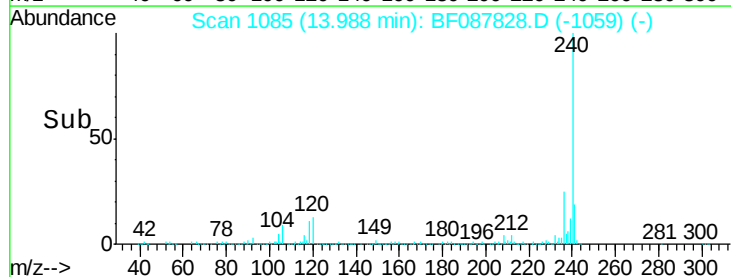
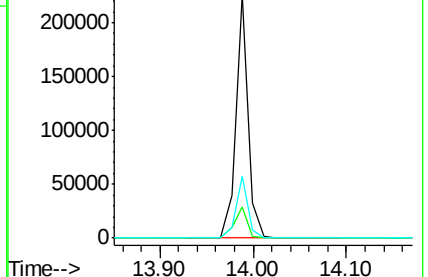
236 25.5 20.2 30.2

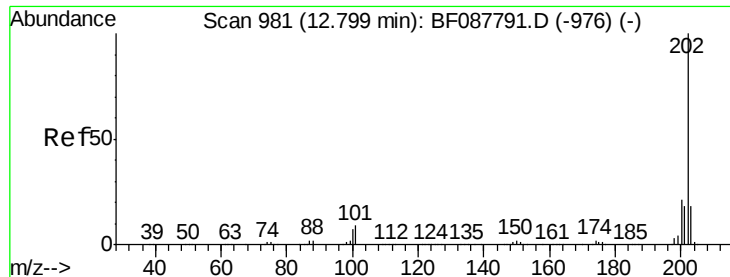


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.49 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

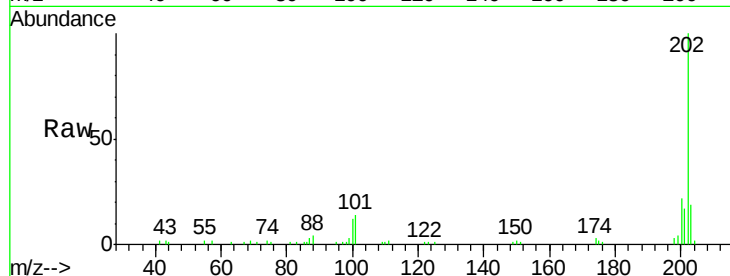
Tgt Ion:202 Resp: 38266

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

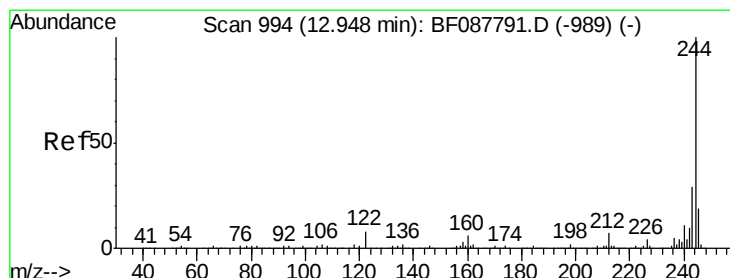
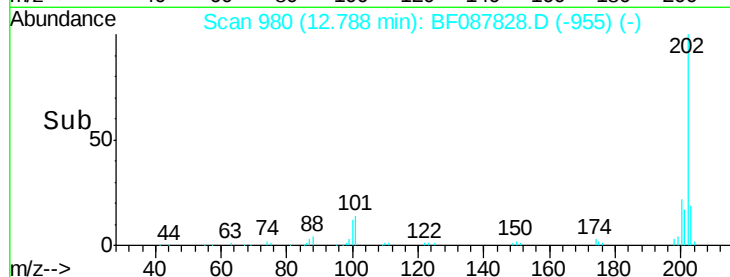
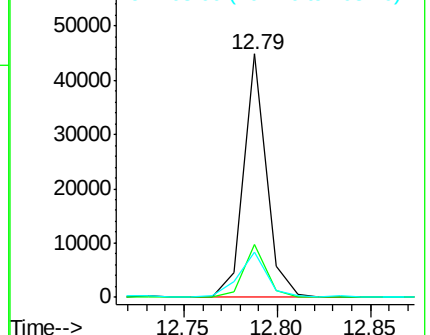
203 18.5 14.5 21.7



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: 26.93 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

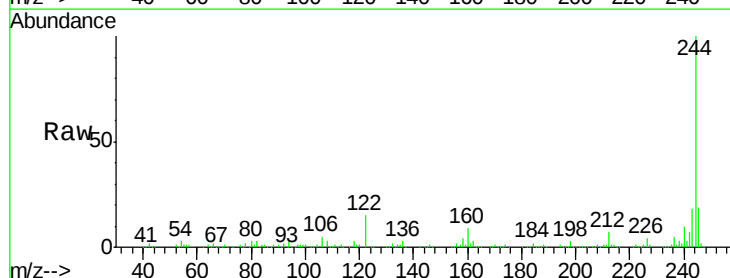
Tgt Ion:244 Resp: 244985

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

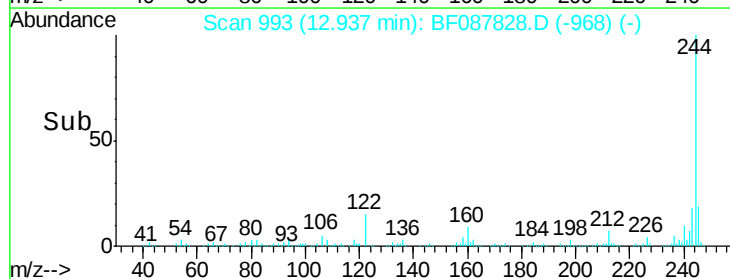
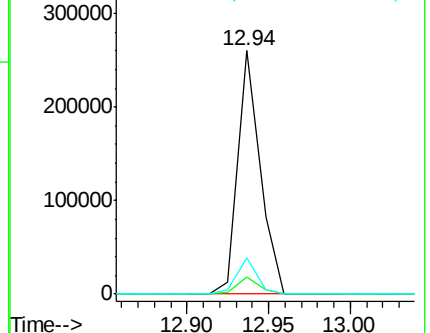
122 14.9 11.2 16.8

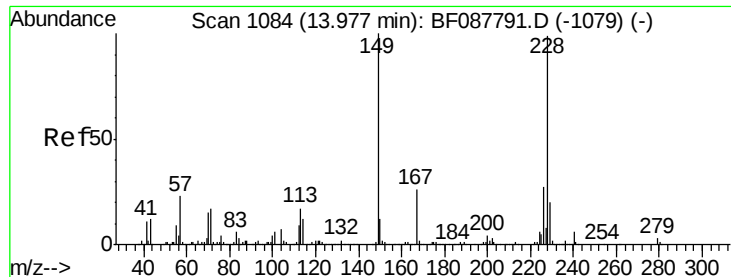


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.01 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

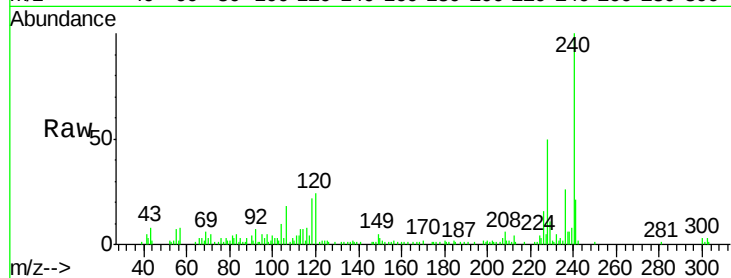
Tgt Ion:228 Resp: 23704

Ion Ratio Lower Upper

228 100

226 31.8 22.3 33.5

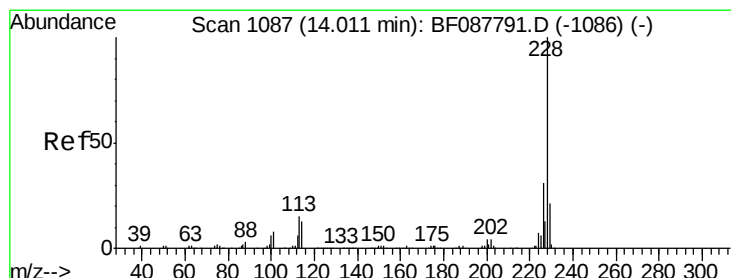
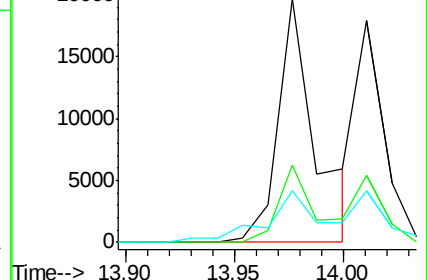
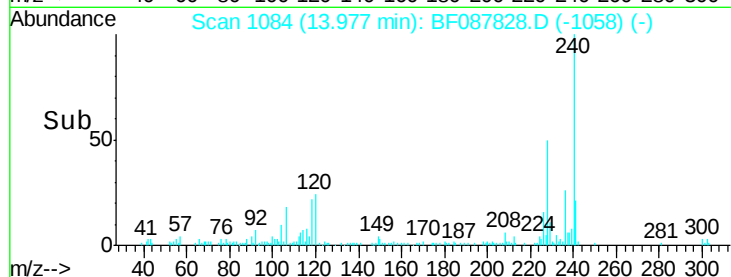
229 21.0 16.0 24.0



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: 2.14 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

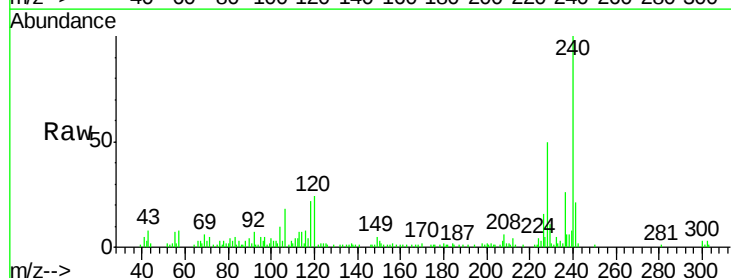
Tgt Ion:228 Resp: 23704

Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.2

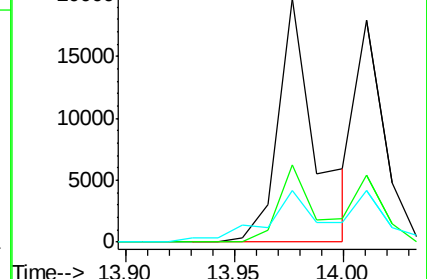
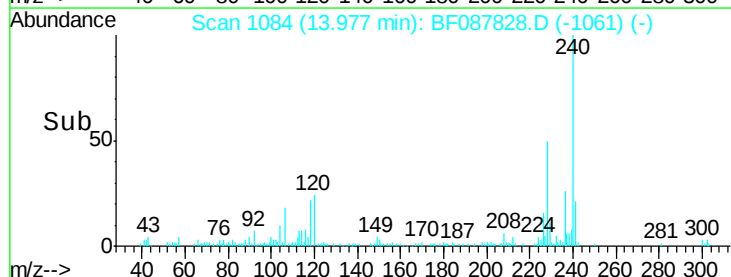
229 21.0 16.3 24.5

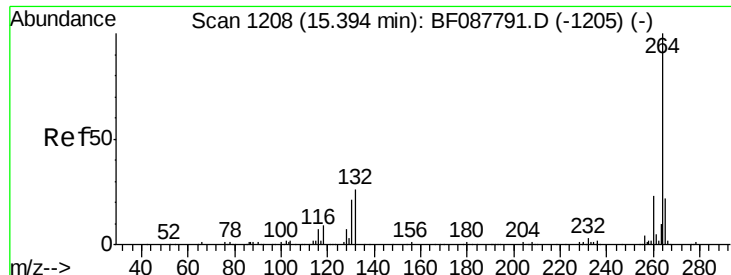


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



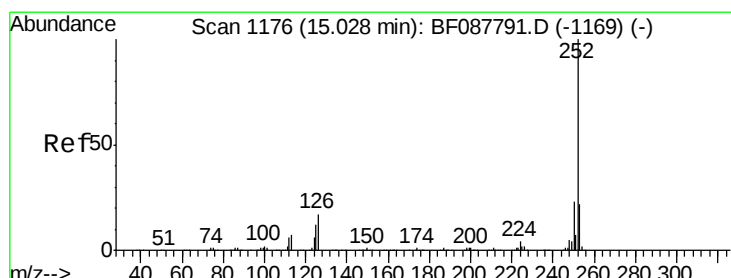
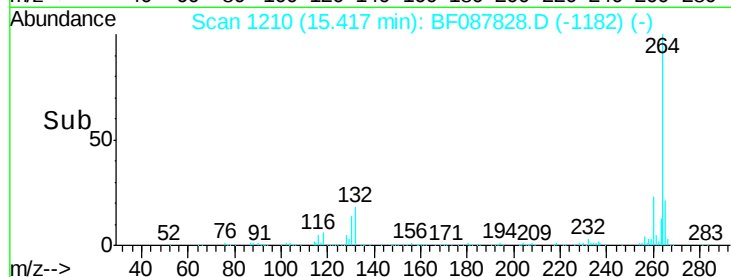
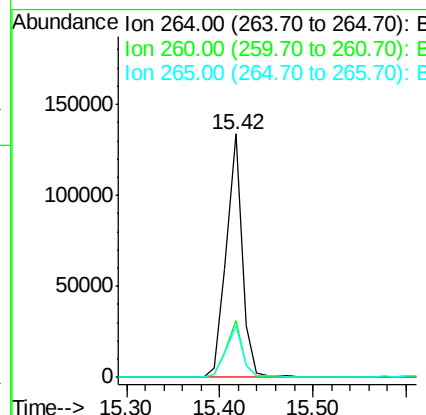
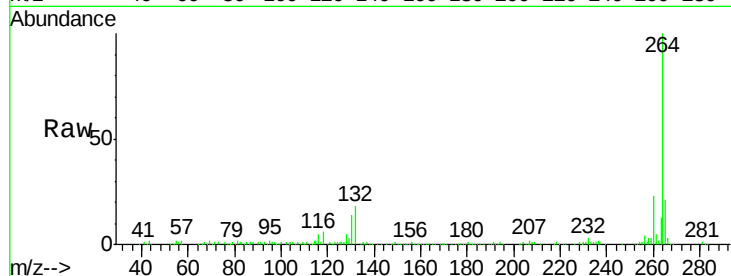


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087828.D
Acq: 9 Jun 2016 00:14

Instrument :
BNA_F
ClientSampleId :
SS-37

Tgt Ion: 264 Resp: 159081

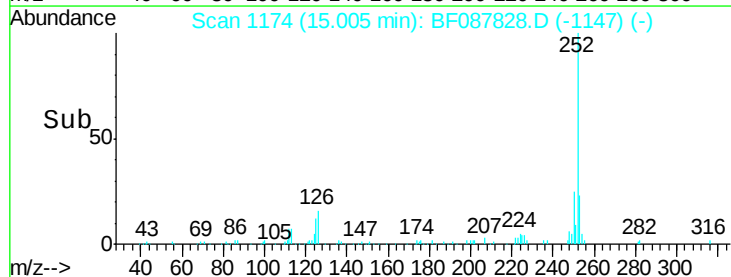
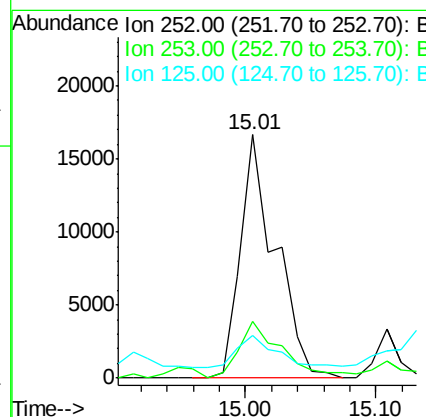
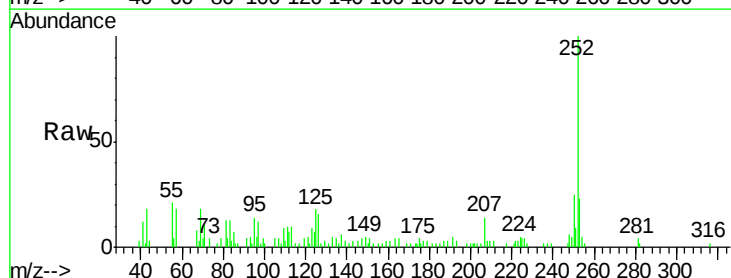
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.4	16.9	25.3

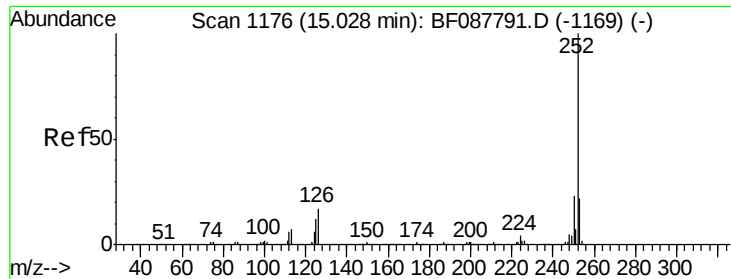


#87
Benzo(b)fluoranthene
Concen: 2.79 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087828.D
Acq: 9 Jun 2016 00:14

Tgt Ion: 252 Resp: 30953

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	17.8	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 3.70 ng

RT: 15.01 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF087828.D

Acq: 9 Jun 2016 00:14

Instrument :

BNA_F

ClientSampleId :

SS-37

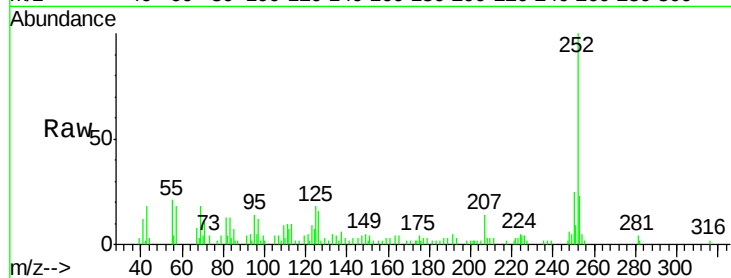
Tgt Ion:252 Resp: 30953

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 17.8 11.2 16.8#



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

