

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089950.D
 Acq On : 31 Aug 2016 15:08
 Operator : UM/SJ
 Sample : H4619-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 17:54:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	236276	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	901863	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	449092	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	676142	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	578278	20.00	ng	-0.01
86) Perylene-d12	15.10	264	567806	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1174309	79.55	ng	0.00
7) Phenol-d6	6.27	99	1496300	83.42	ng	0.00
23) Nitrobenzene-d5	7.20	82	805767	51.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	274375	61.93	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1595556	58.32	ng	0.00
78) Terphenyl-d14	12.72	244	1137125	48.58	ng	0.00

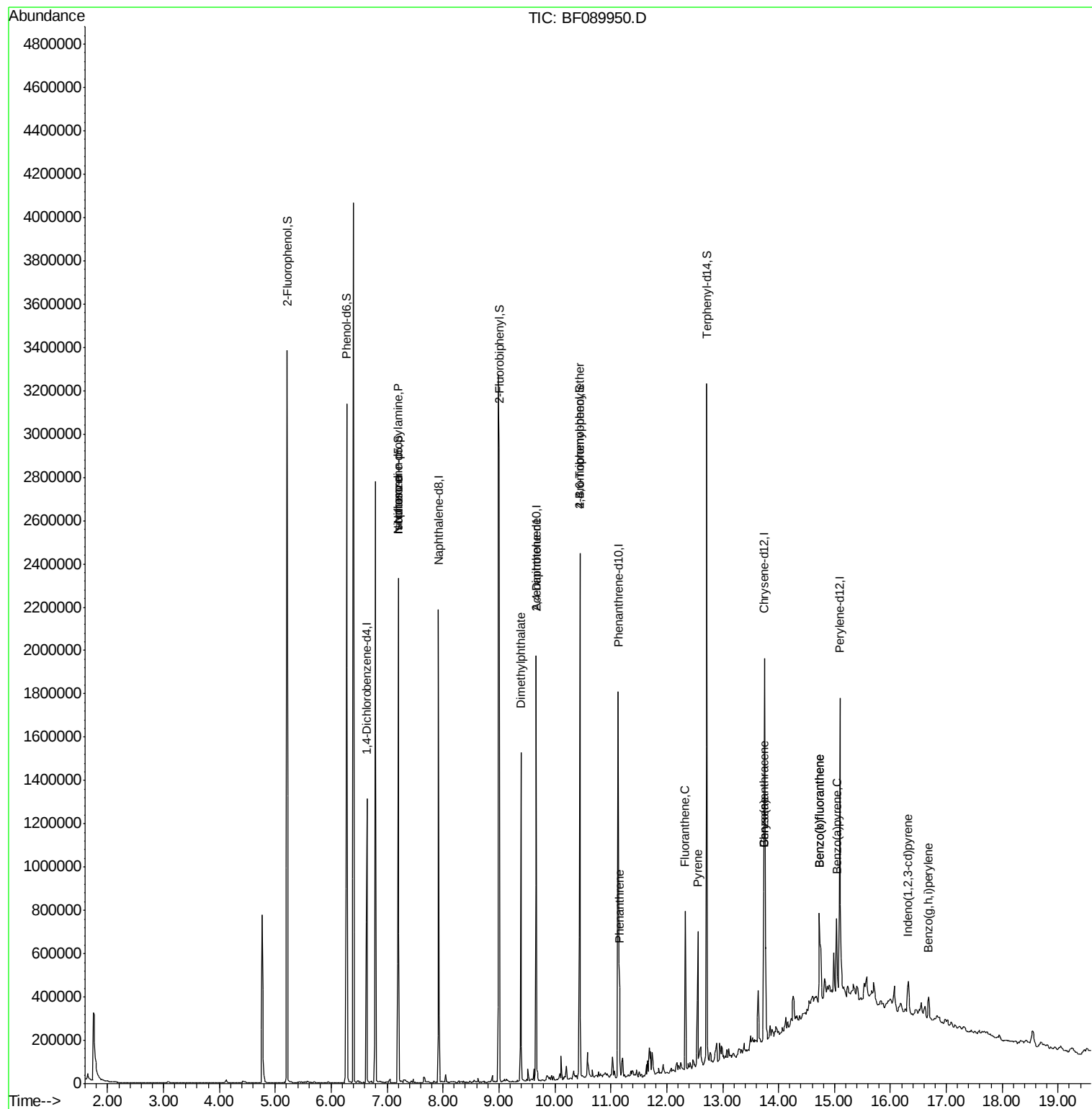
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.20	70	106865	9.14	ng	# 84
25) Isophorone	7.20	82	681948	21.57	ng	# 65
49) Dimethylphthalate	9.39	163	551645	17.00	ng	100
56) 2,4-Dinitrotoluene	9.67	165	58573	6.40	ng	# 29
66) 4-Bromophenyl-phenylether	10.44	248	18539	2.72	ng	# 1
70) Phenanthrene	11.15	178	145334	4.32	ng	97
74) Fluoranthene	12.33	202	285830	8.10	ng	96
77) Pyrene	12.56	202	269429	6.61	ng	98
80) Benzo(a)anthracene	13.74	228	190630	5.38	ng	# 93
82) Chrysene	13.74	228	190630	5.76	ng	97
85) Indeno(1,2,3-cd)pyrene	16.32	276	92000	3.76	ng	96
87) Benzo(b)fluoranthene	14.73	252	286563	8.06	ng	# 95
88) Benzo(k)fluoranthene	14.73	252	286563	9.49	ng	# 96
89) Benzo(a)pyrene	15.04	252	155400	5.10	ng	# 93
91) Benzo(a,h,i)perylene	16.69	276	85381	3.80	ng	96

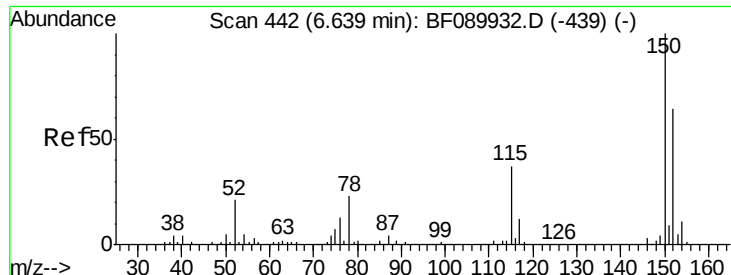
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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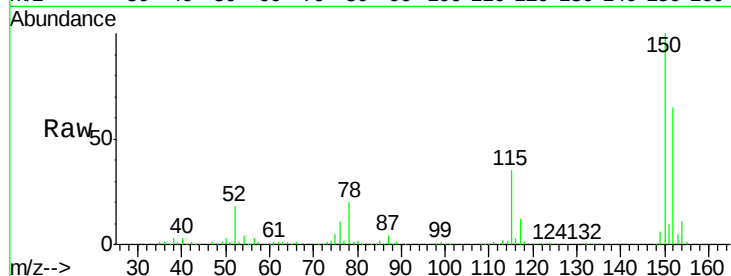


#1

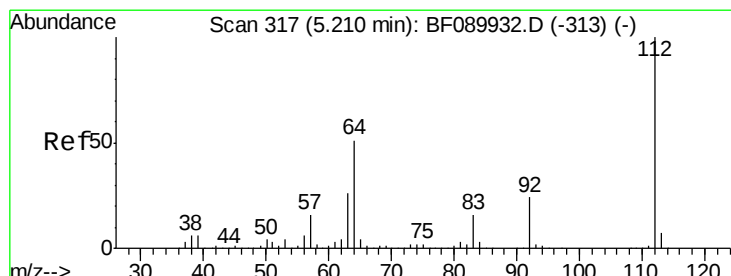
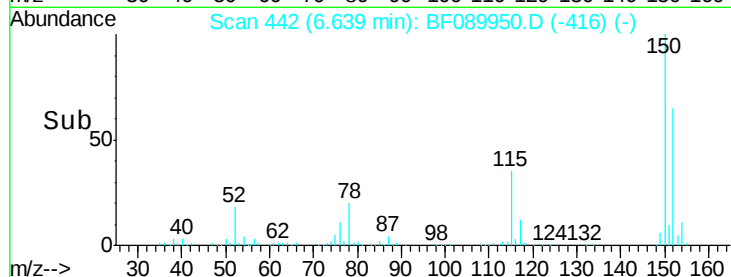
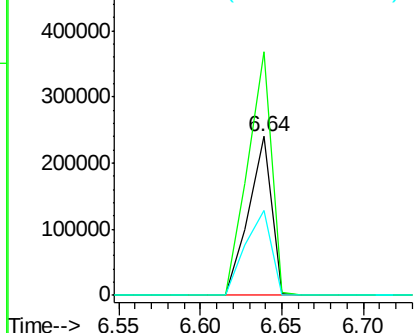
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 236276
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.2
115 53.5 46.3 69.5



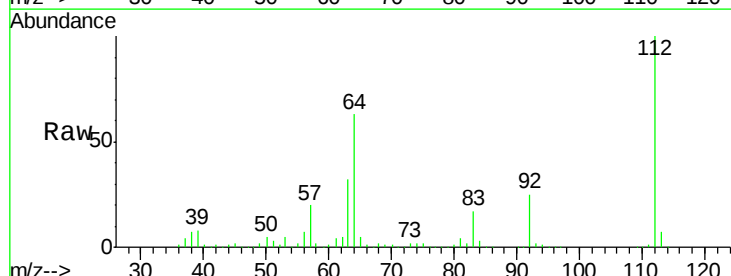
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



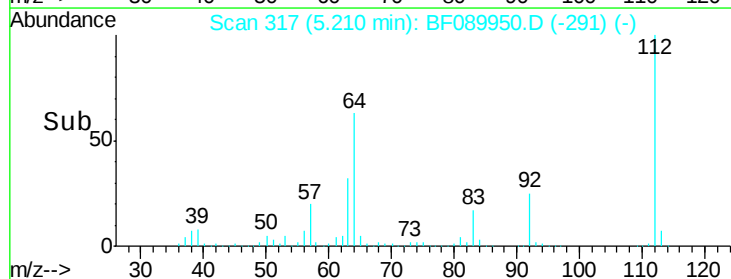
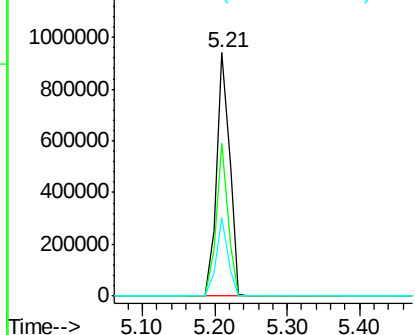
#5

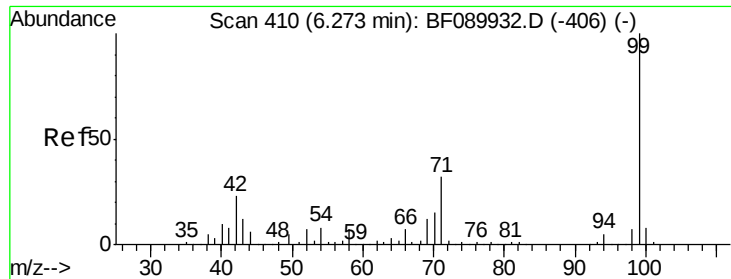
2-Fluorophenol
Concen: 79.55 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.00 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Tgt Ion:112 Resp: 1174309
Ion Ratio Lower Upper
112 100
64 62.6 41.1 61.7#
63 32.4 21.2 31.8#



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: 83.42 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampled :

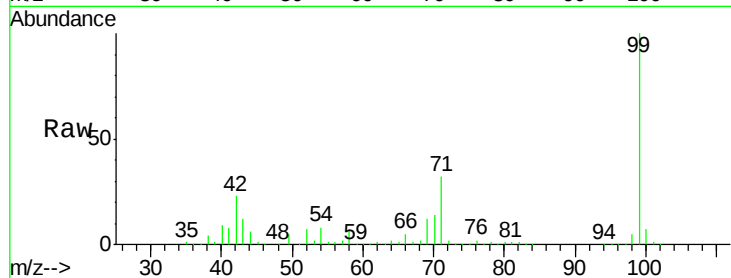
Tot Ion: 99 Resp: 1496300

Ion Ratio Lower Upper

99 100

42 23.3 18.6 27.8

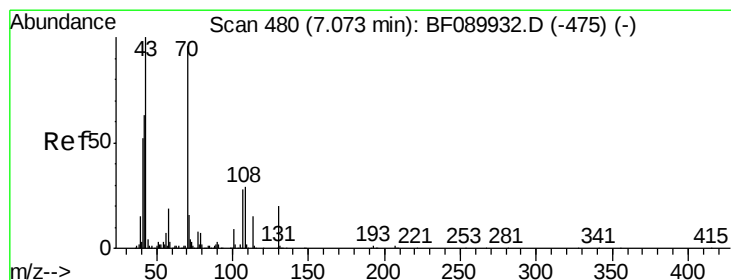
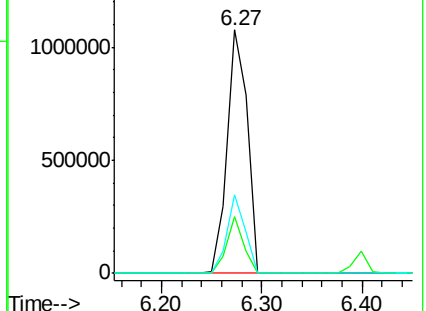
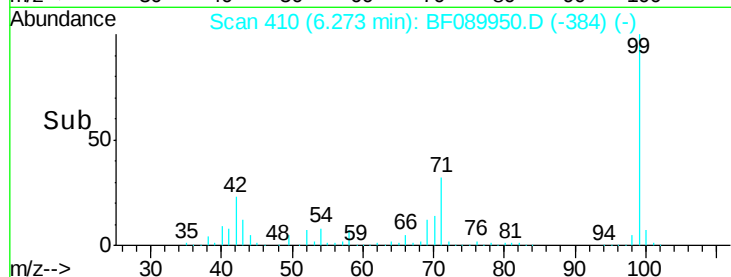
71 32.3 25.8 38.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.14 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Tgt Ion: 70 Resp: 106865

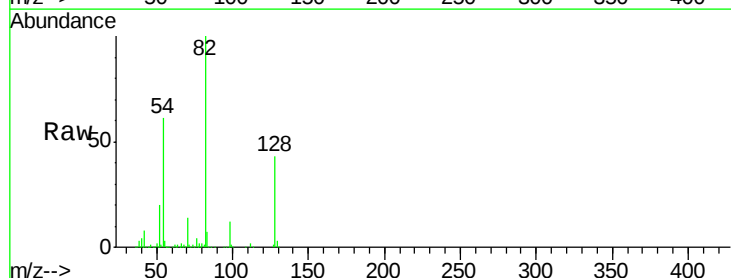
Ion Ratio Lower Upper

70 100

42 60.1 52.1 78.1

101 0.0 7.4 11.2#

130 2.2 17.0 25.4#

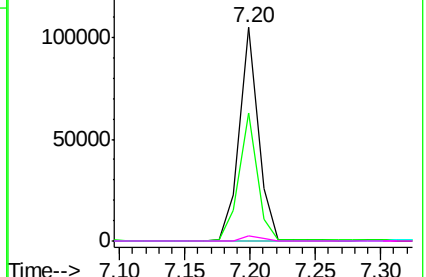
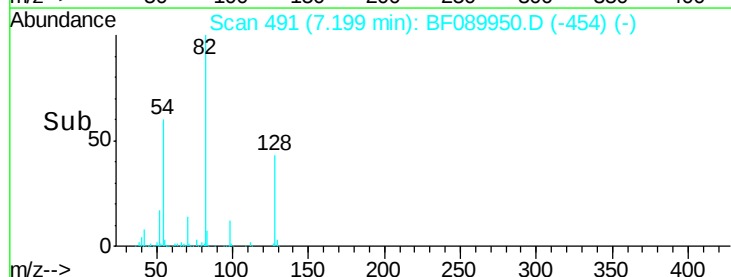


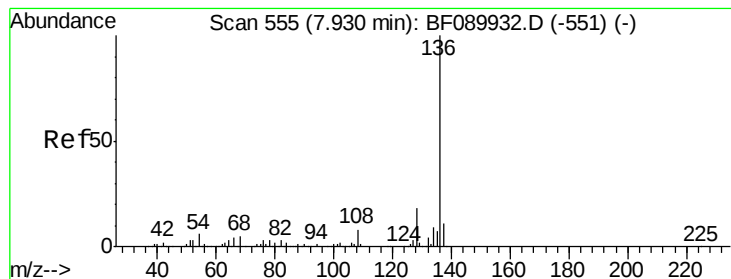
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 901863

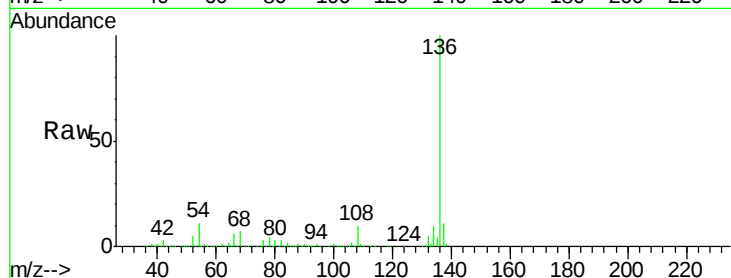
Ion Ratio Lower Upper

136 100

137 11.4 8.3 12.5

54 10.6 4.8 7.2#

68 7.1 3.7 5.5#

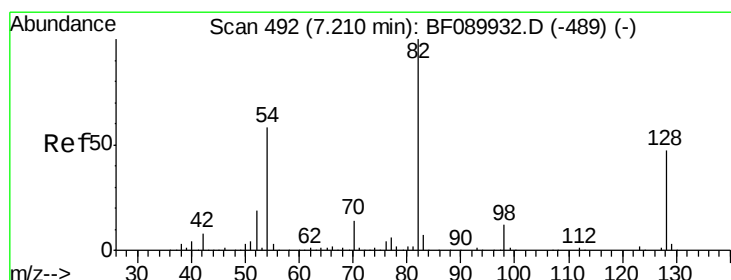
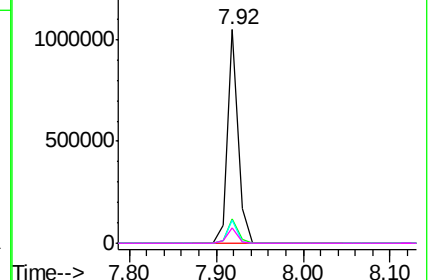
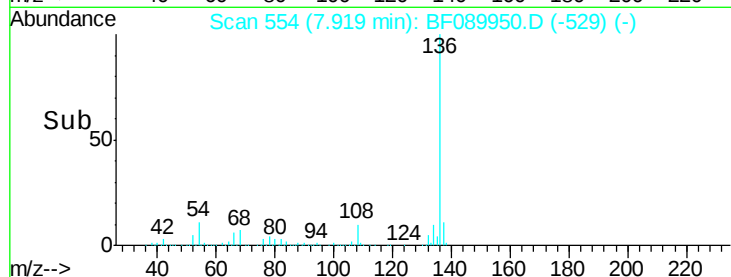


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.82 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

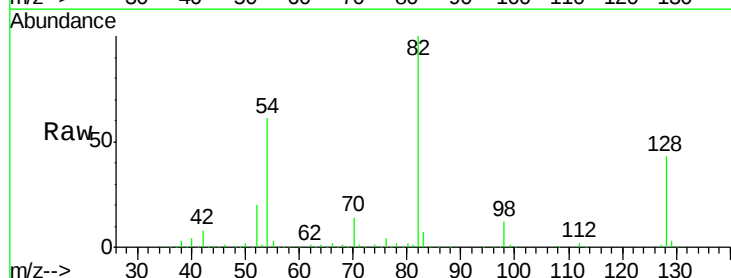
Tgt Ion: 82 Resp: 805767

Ion Ratio Lower Upper

82 100

128 42.9 37.8 56.8

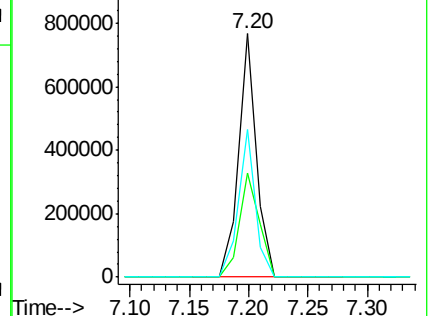
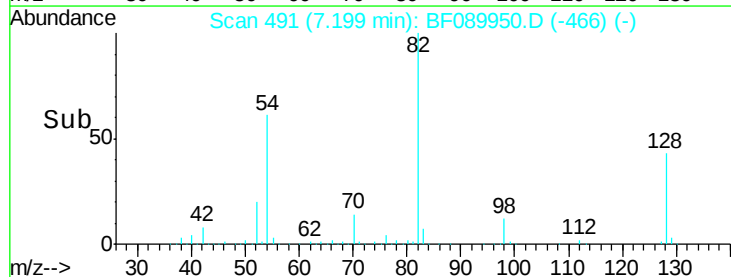
54 60.7 46.9 70.3

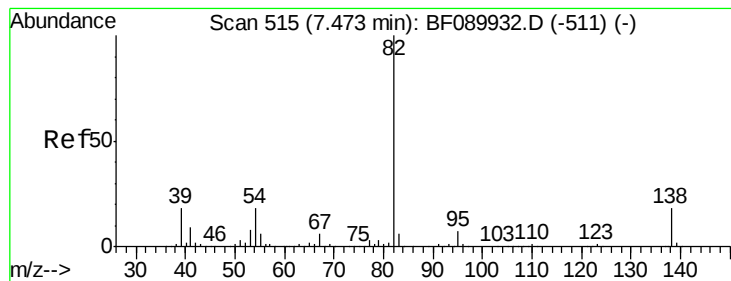


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 21.57 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampled :

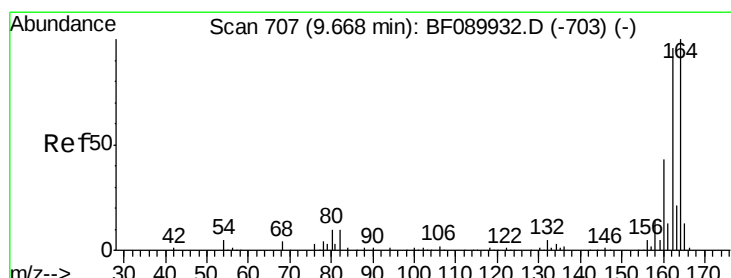
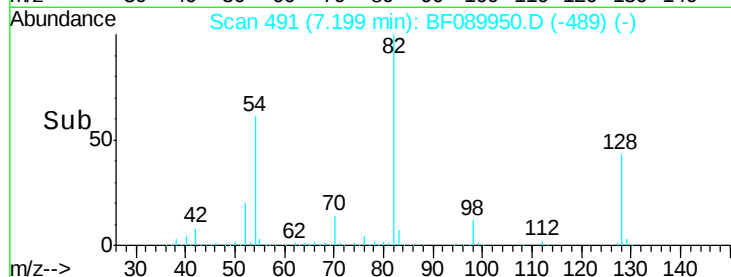
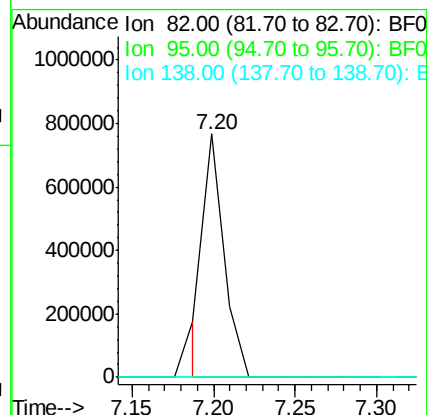
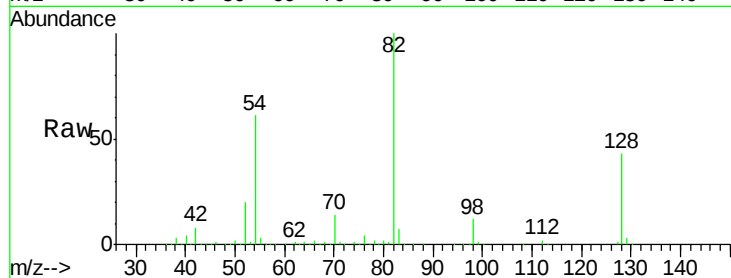
Tot Ion: 82 Resp: 681948

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

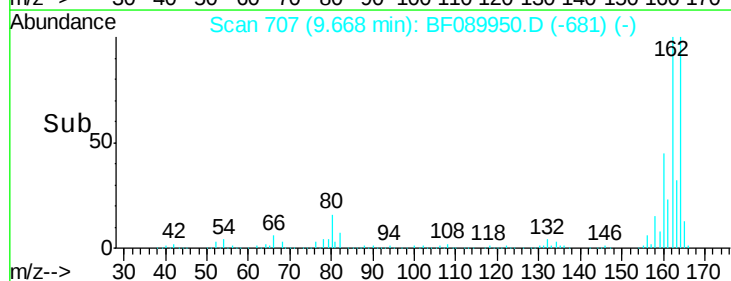
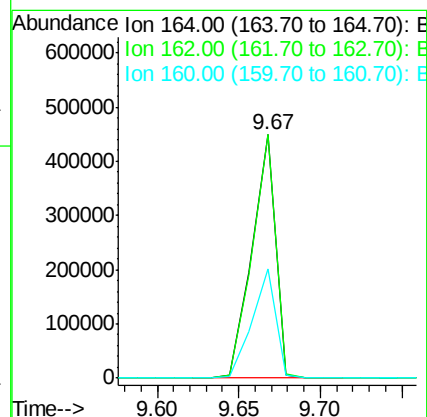
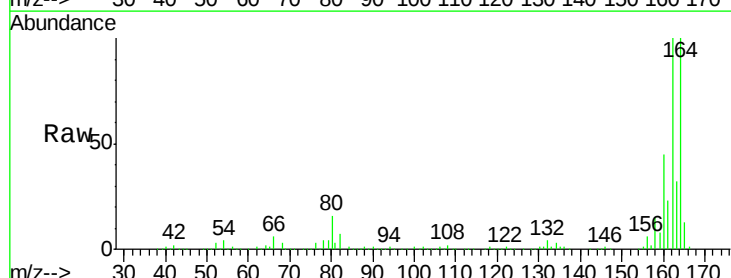
Tgt Ion: 164 Resp: 449092

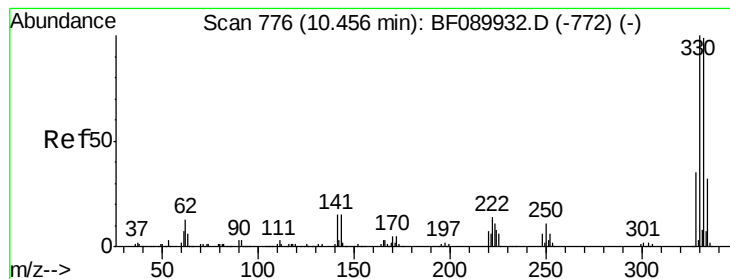
Ion Ratio Lower Upper

164 100

162 100.1 77.1 115.7

160 45.1 35.3 52.9





#41

2,4,6-Tribromophenol

Concen: 61.93 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampleId :

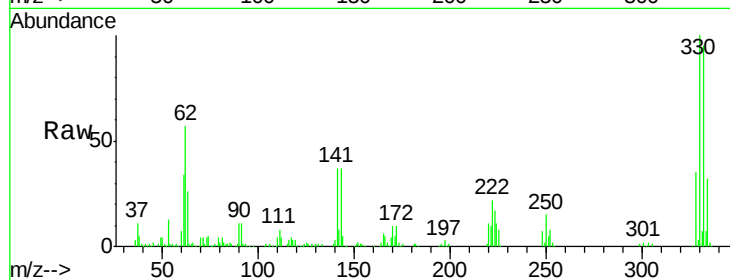
Tot Ion:330 Resp: 274375

Ion Ratio Lower Upper

330 100

332 96.2 78.6 117.8

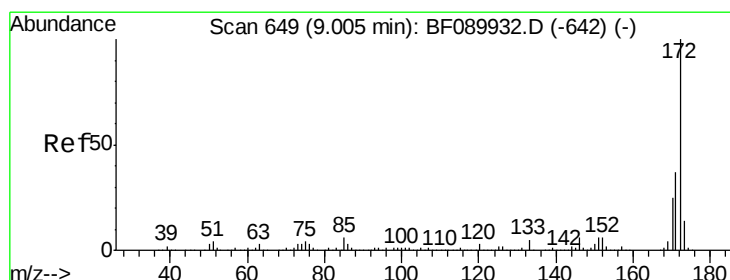
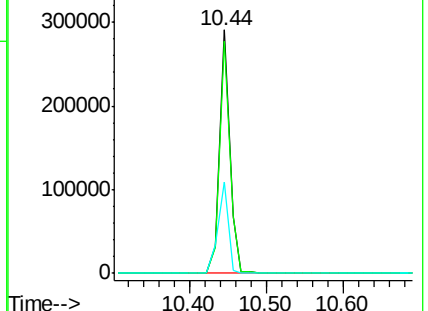
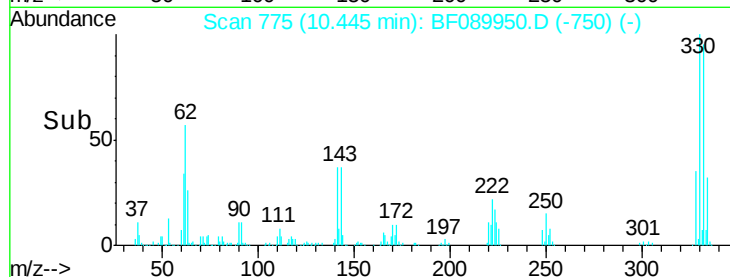
141 37.4 23.3 34.9#



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: 58.32 ng

RT: 9.00 min Scan# 649

Delta R.T. -0.00 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

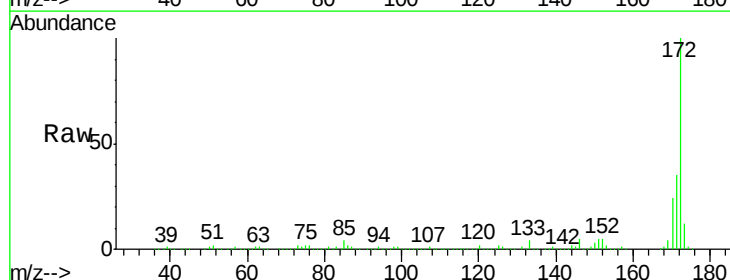
Tgt Ion:172 Resp: 1595556

Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.2

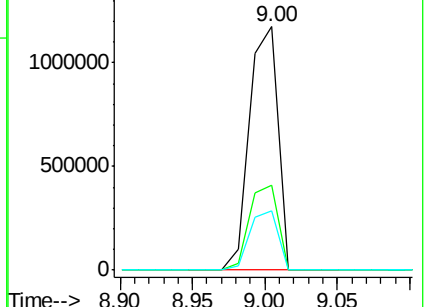
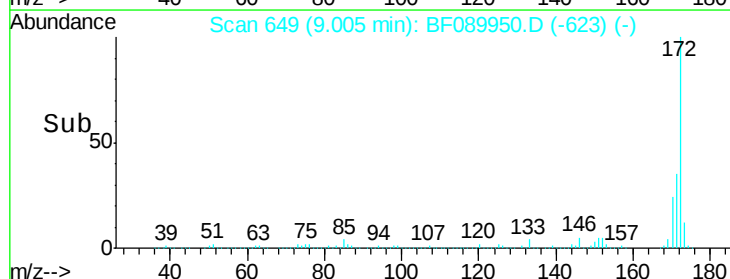
170 24.3 20.1 30.1

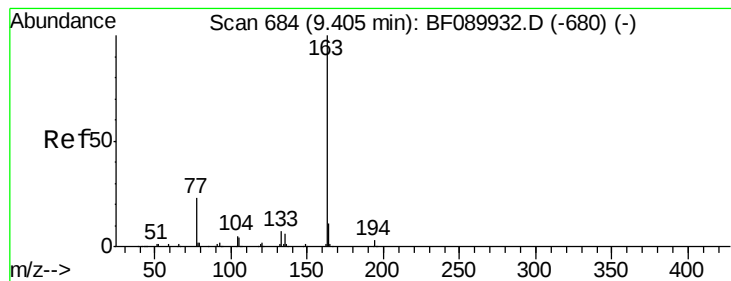


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 17.00 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampleId :

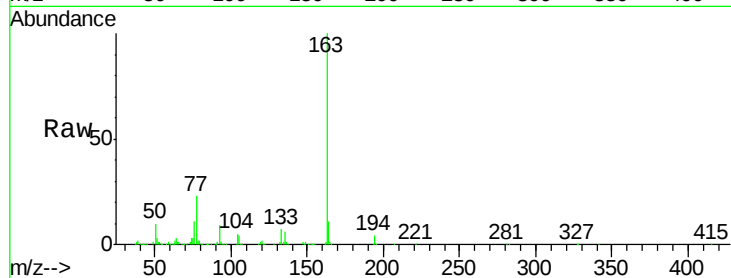
Tot Ion:163 Resp: 551645

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

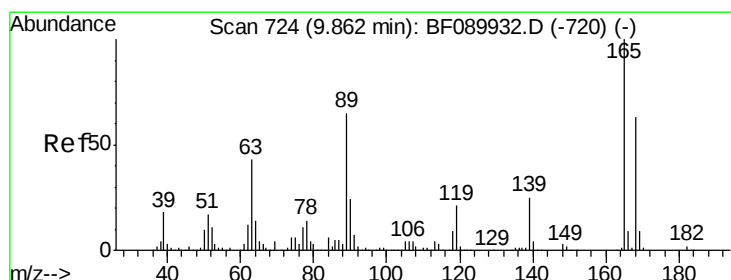
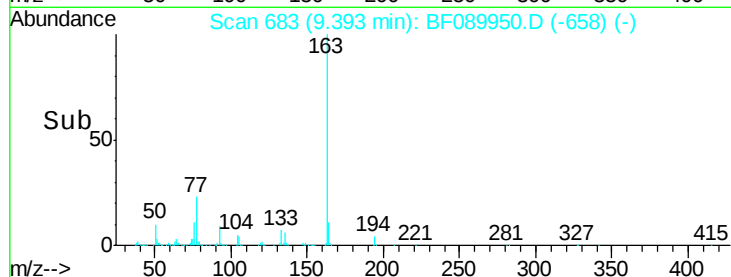
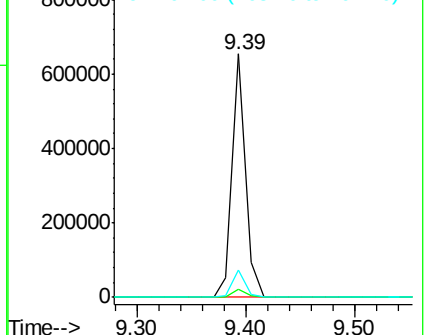
164 11.2 9.0 13.4



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



#56

2,4-Dinitrotoluene

Concen: 6.40 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.19 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Tgt Ion:165 Resp: 58573

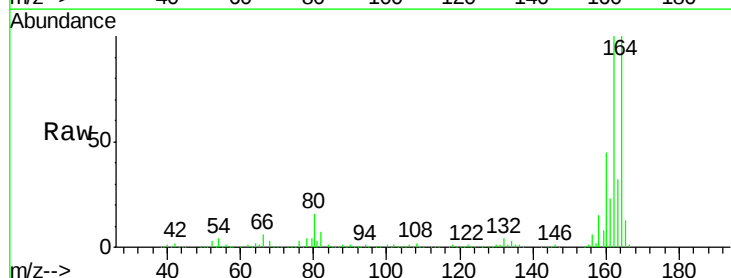
Ion Ratio Lower Upper

165 100

63 1.2 32.5 48.7#

89 1.4 48.3 72.5#

182 0.0 1.7 2.5#

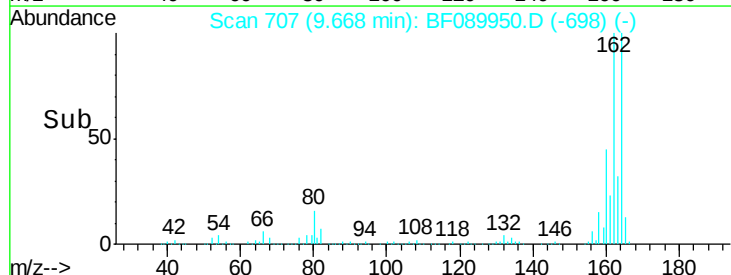
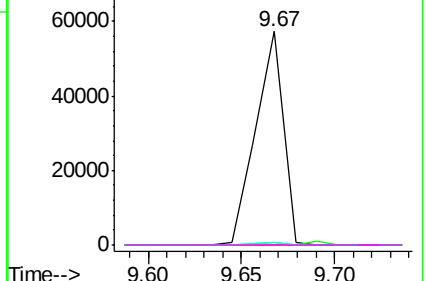


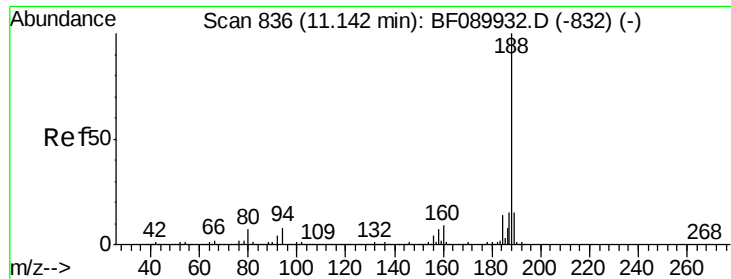
Abundance Ion 165.00 (164.70 to 165.70): E

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

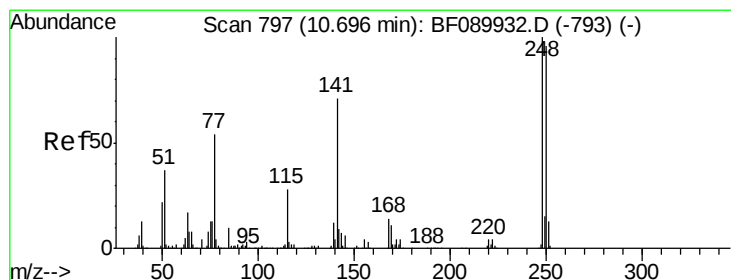
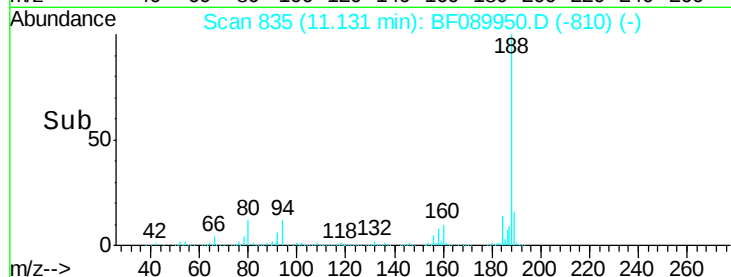
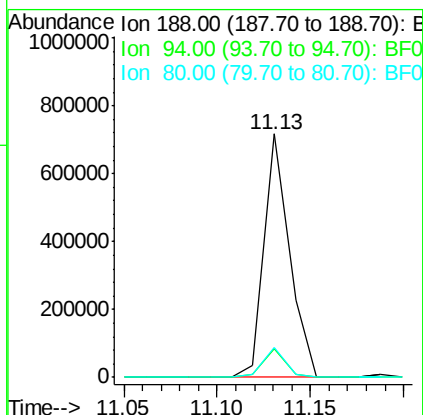
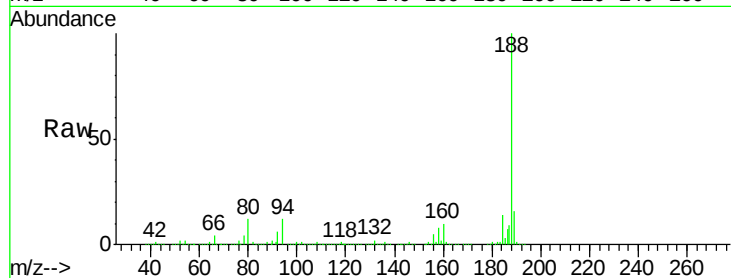




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

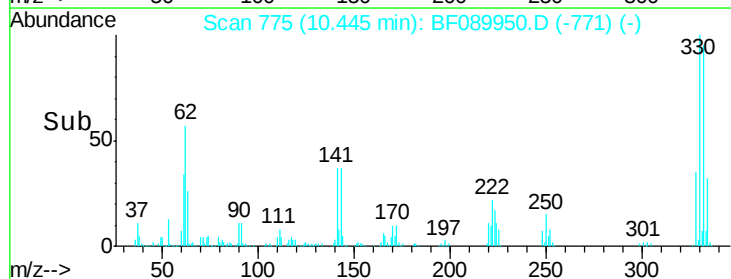
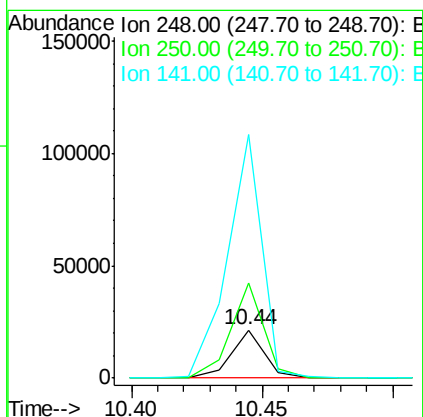
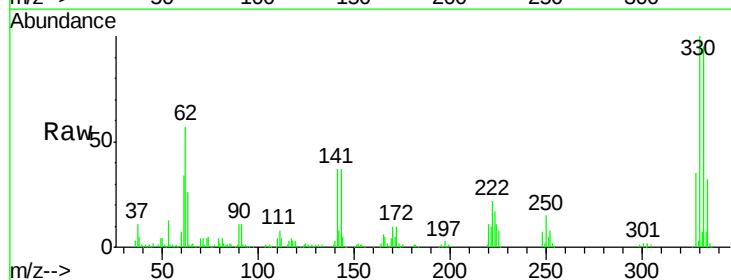
Instrument :
BNA_F
ClientSampleId :

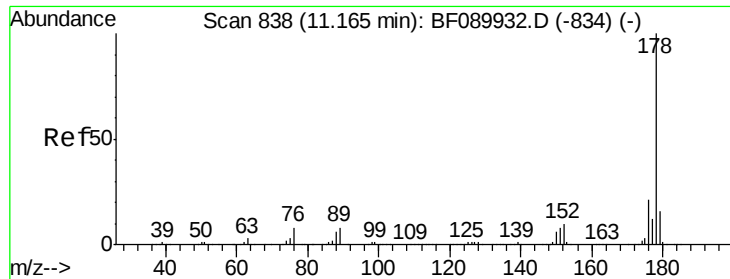
Tot Ion:188 Resp: 676142
Ion Ratio Lower Upper
188 100
94 11.6 5.9 8.9#
80 12.0 5.8 8.8#



#66
4-Bromophenyl-phenylether
Concen: 2.72 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Tgt Ion:248 Resp: 18539
Ion Ratio Lower Upper
248 100
250 199.7 77.3 115.9#
141 507.7 55.8 83.8#

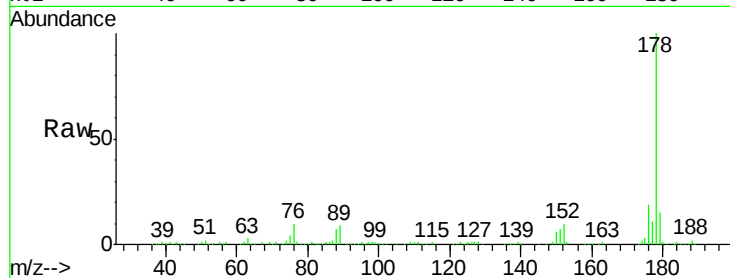




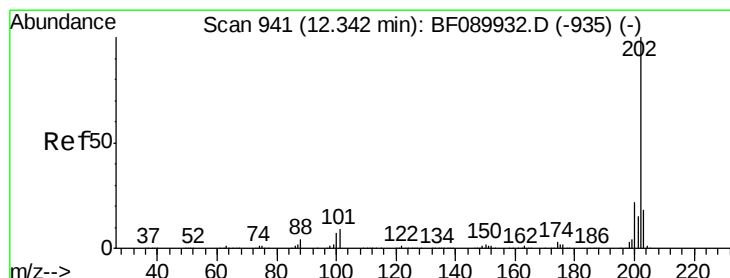
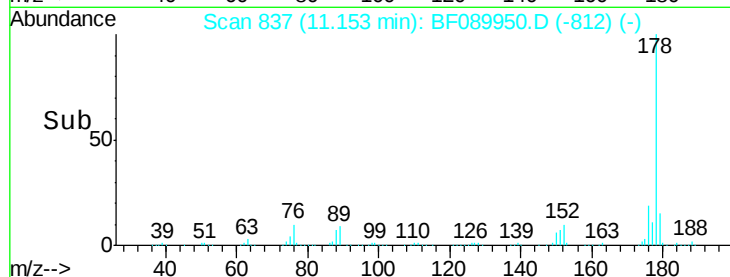
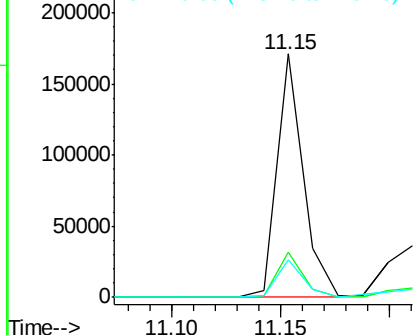
#70
Phenanthrene
Concen: 4.32 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 145334
Ion Ratio Lower Upper
178 100
176 18.8 16.5 24.7
179 15.2 12.8 19.2

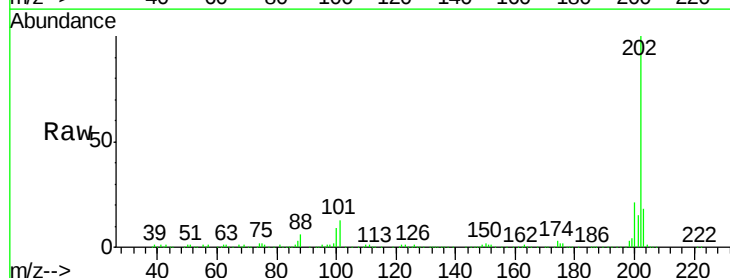


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

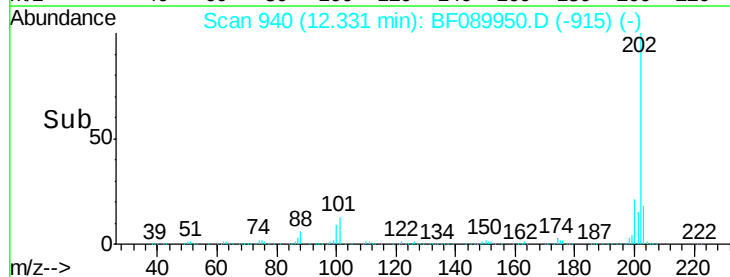
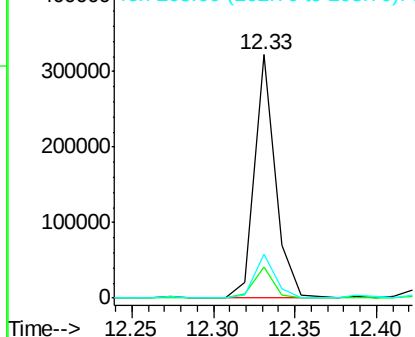


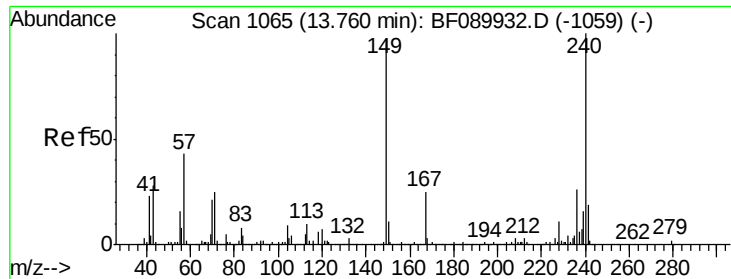
#74
Fluoranthene
Concen: 8.10 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Tgt Ion:202 Resp: 285830
Ion Ratio Lower Upper
202 100
101 12.7 0.0 28.5
203 17.9 0.0 38.0



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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampleId :

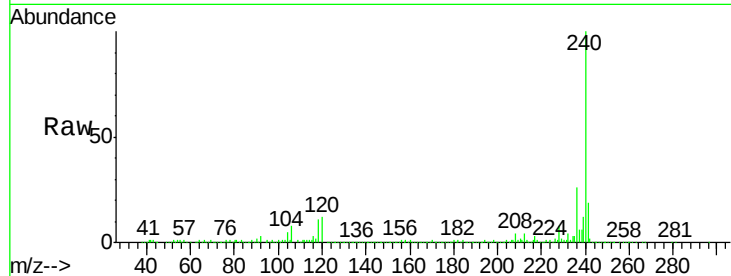
Tot Ion:240 Resp: 578278

Ion Ratio Lower Upper

240 100

120 12.1 5.7 8.5#

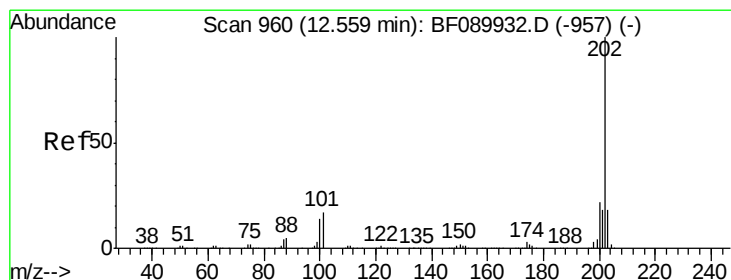
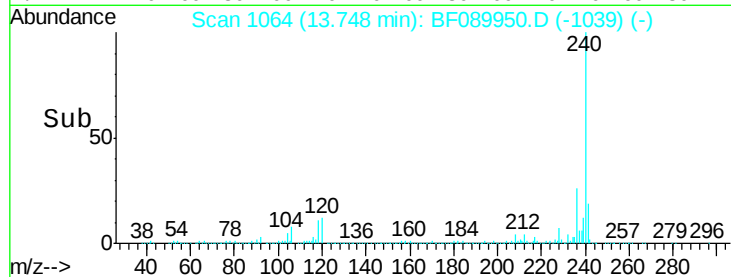
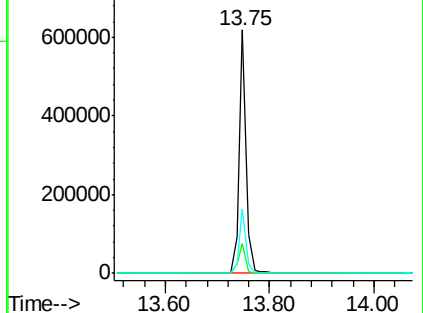
236 26.3 21.3 31.9



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: 6.61 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

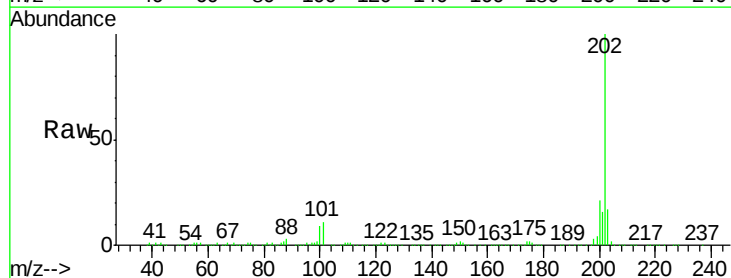
Tgt Ion:202 Resp: 269429

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

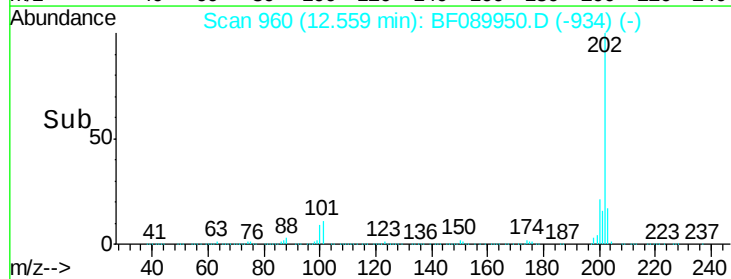
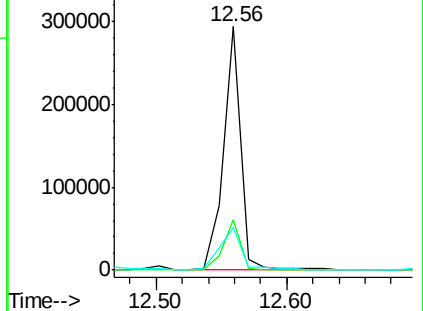
203 17.5 14.6 21.8

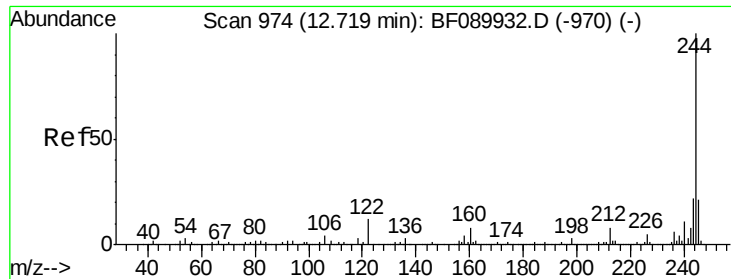


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

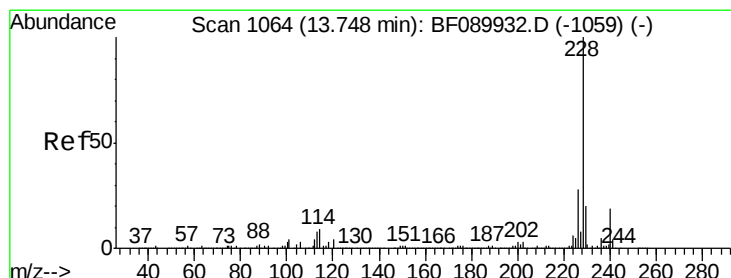
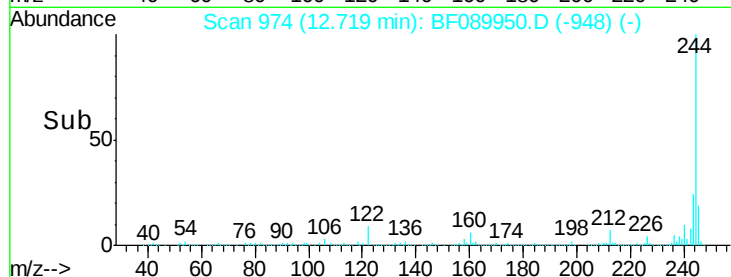
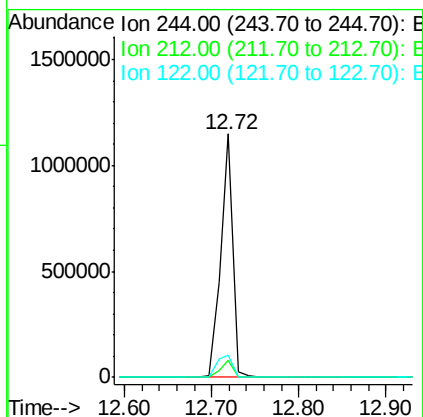
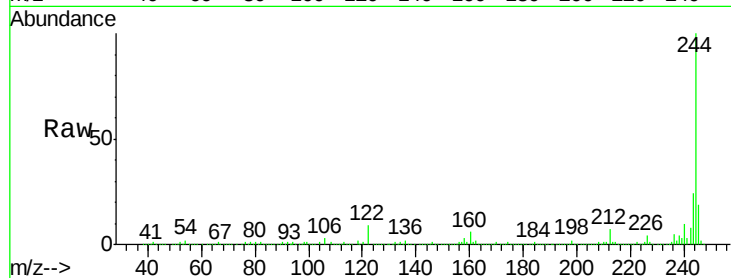




#78
 Terphenyl-d14
 Concen: 48.58 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF089950.D
 Acq: 31 Aug 2016 15:08

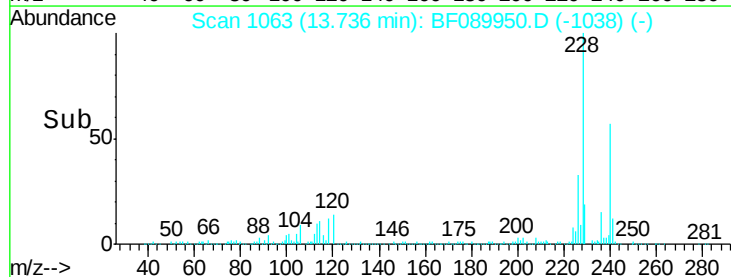
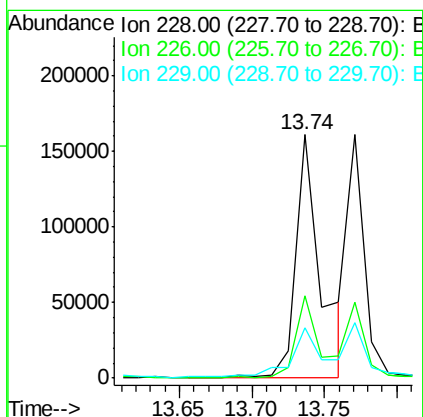
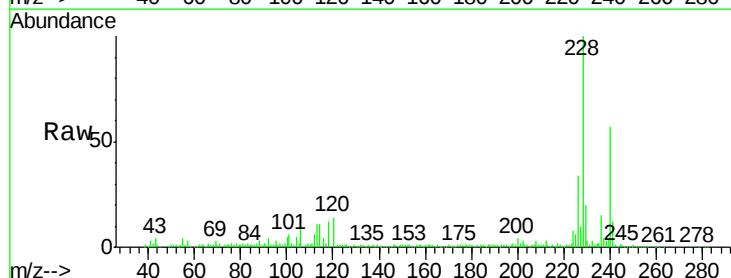
Instrument :
 BNA_F
 ClientSampleId :

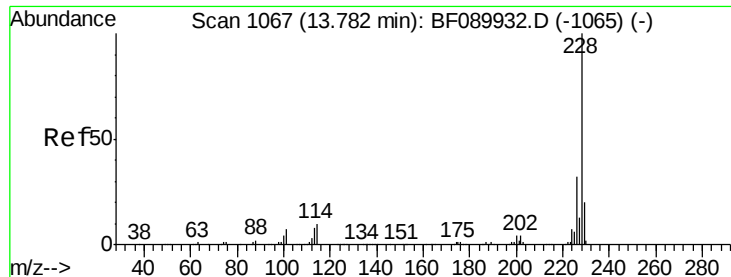
Tot Ion:244 Resp: 1137125
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 8.9 9.6 14.4#



#80
 Benzo(a)anthracene
 Concen: 5.38 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF089950.D
 Acq: 31 Aug 2016 15:08

Tgt Ion:228 Resp: 190630
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.2 33.2#
 229 20.4 15.8 23.6





#82

Chrysene

Concen: 5.76 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.05 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampleId :

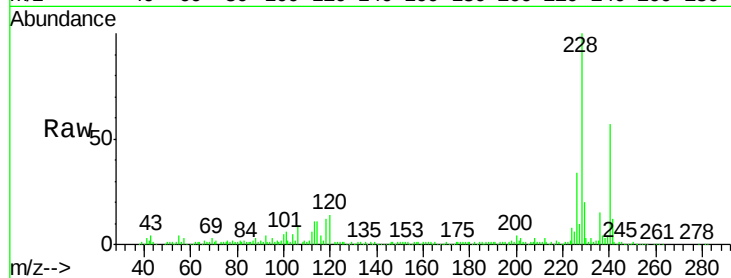
Tot Ion:228 Resp: 190630

Ion Ratio Lower Upper

228 100

226 33.6 25.2 37.8

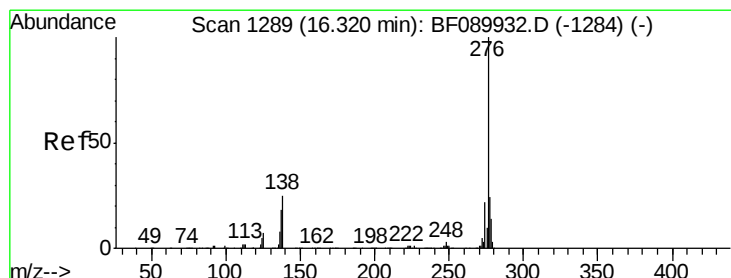
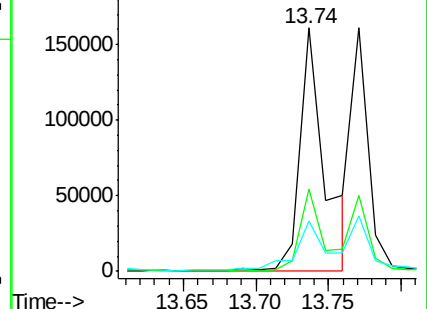
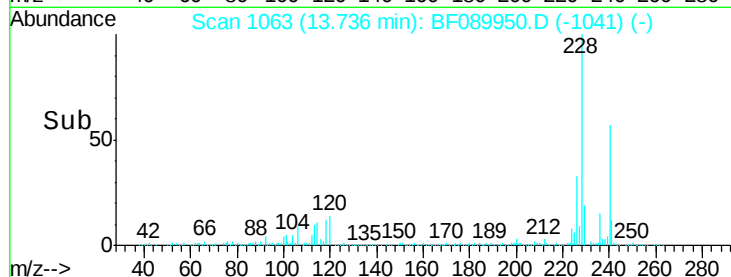
229 20.4 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.76 ng

RT: 16.32 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

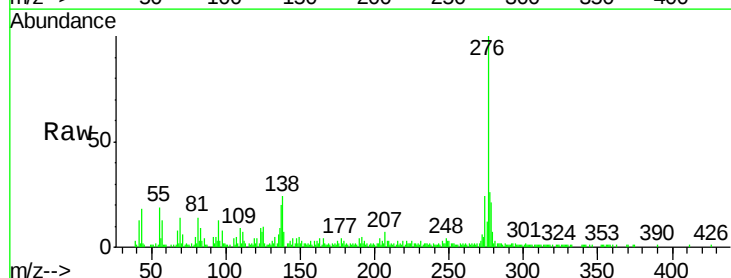
Tgt Ion:276 Resp: 92000

Ion Ratio Lower Upper

276 100

138 24.3 22.6 34.0

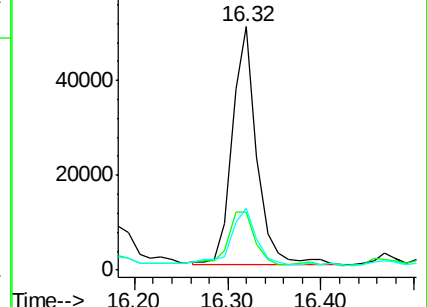
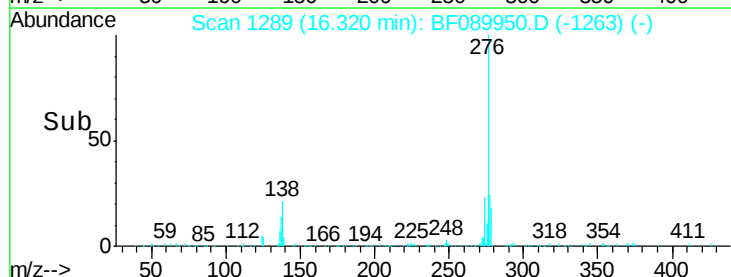
277 24.8 20.1 30.1

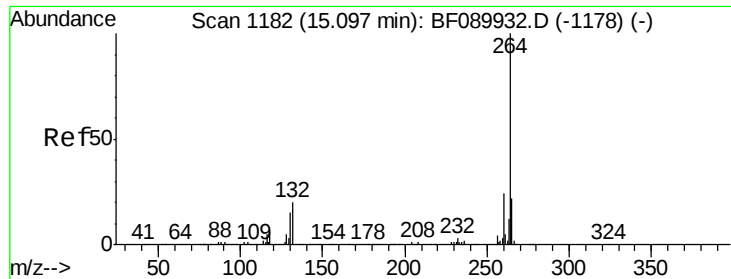


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

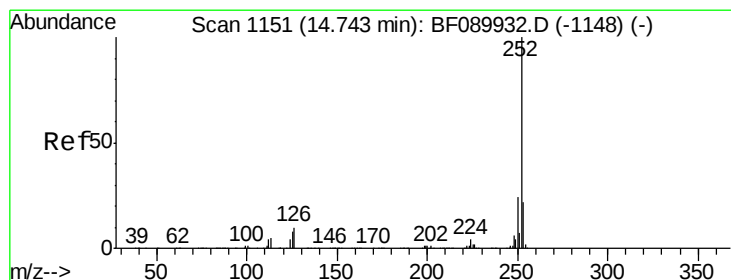
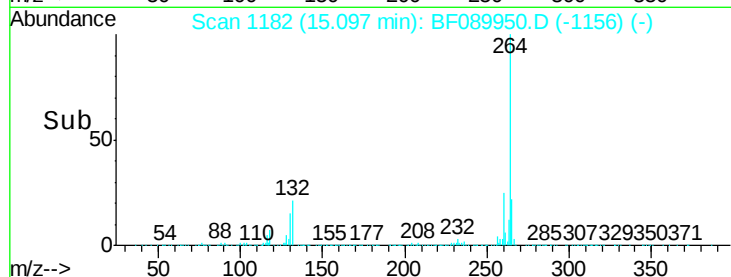
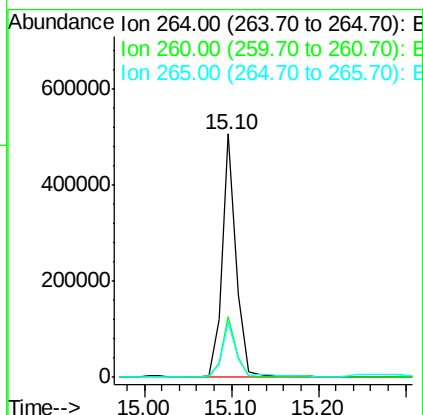
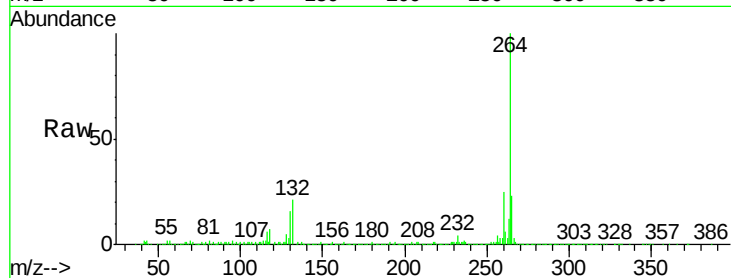




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

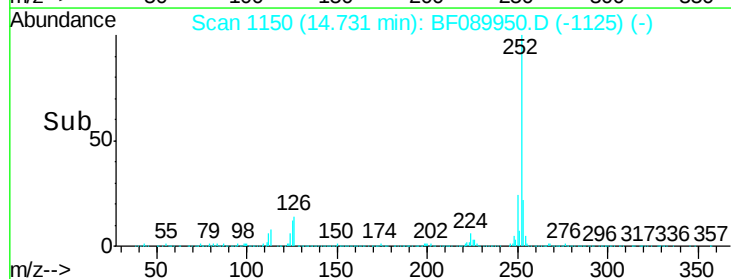
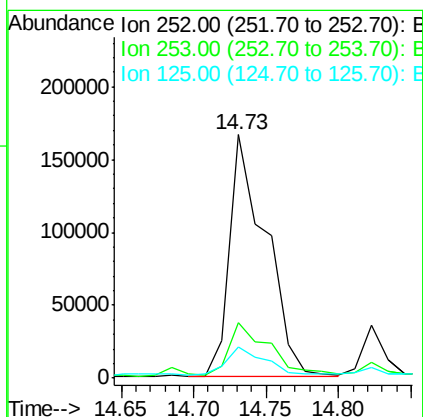
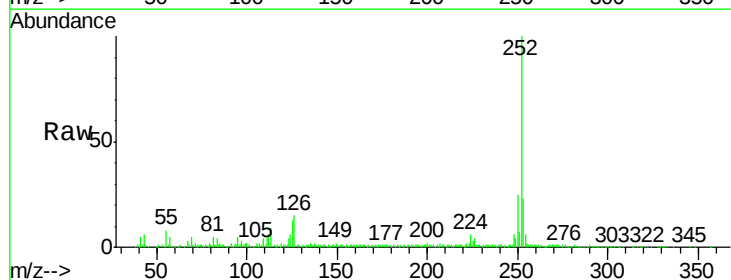
Instrument :
BNA_F
ClientSampleId :

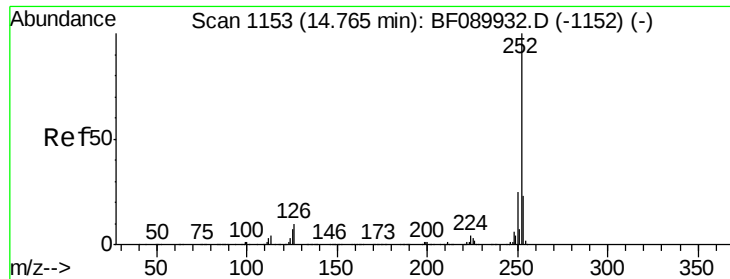
Tot Ion:264 Resp: 567806
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 22.6 17.4 26.2



#87
Benzo(b)fluoranthene
Concen: 8.06 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Tgt Ion:252 Resp: 286563
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 13.0 5.7 8.5#

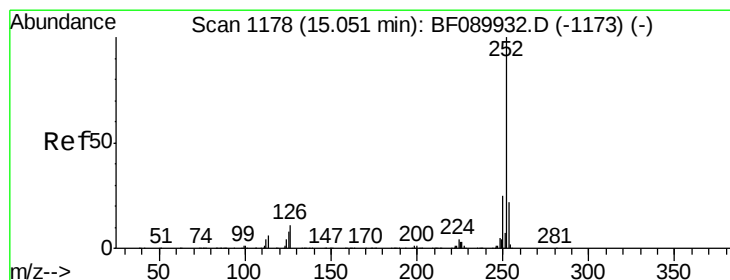
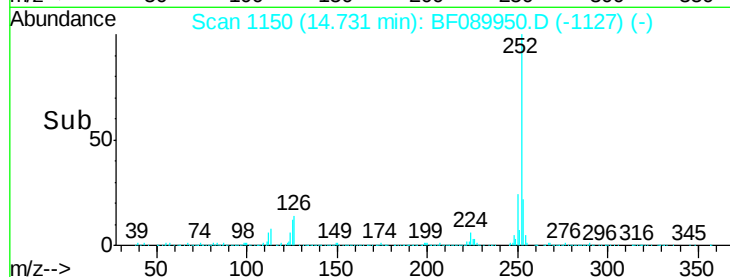
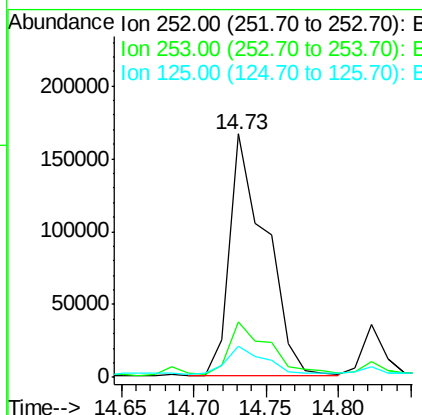
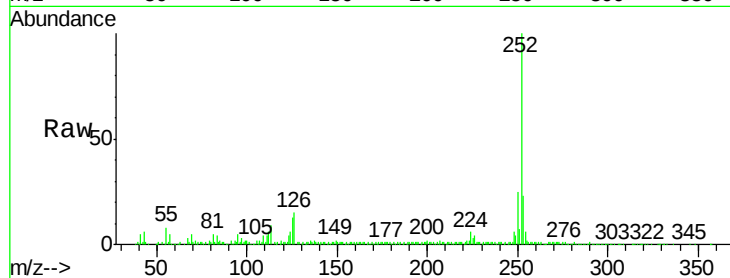




#88
Benzo(k)fluoranthene
Concen: 9.49 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

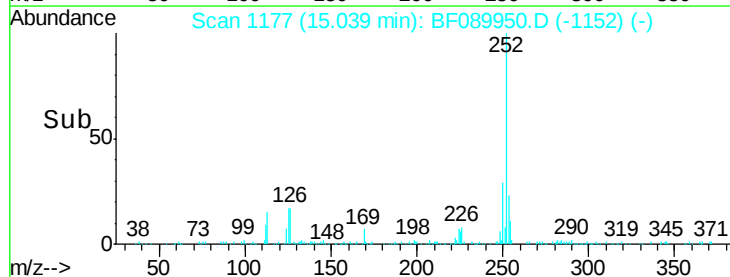
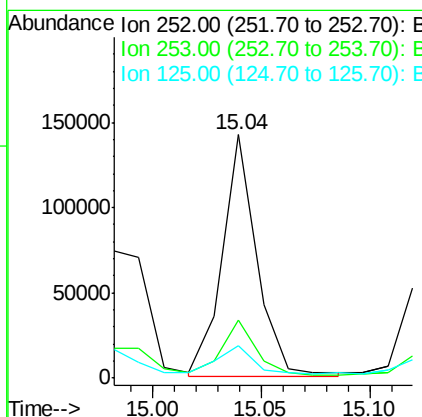
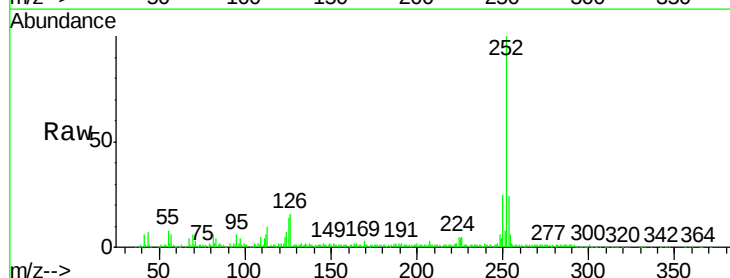
Instrument :
BNA_F
ClientSampleId :

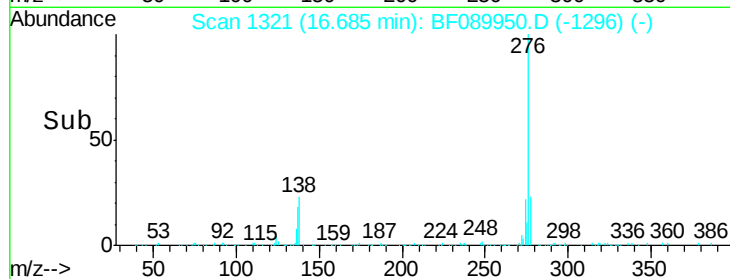
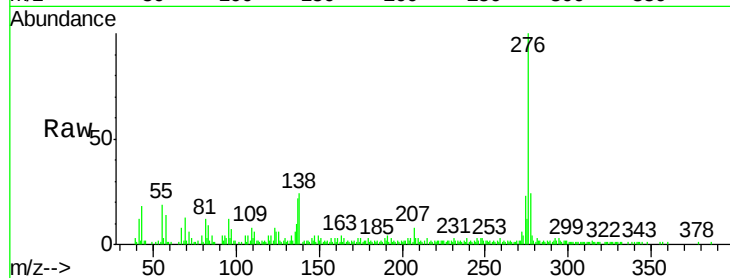
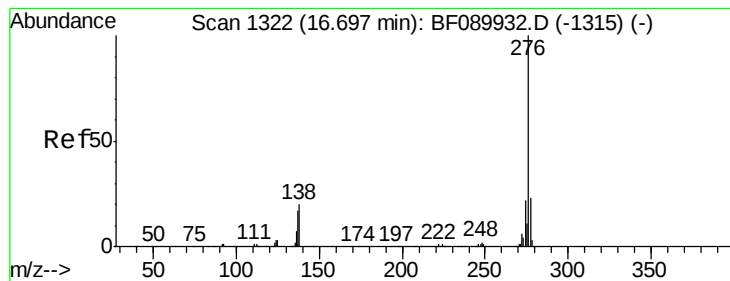
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	13.0	7.3	10.9



#89
Benzo(a)pyrene
Concen: 5.10 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF089950.D
Acq: 31 Aug 2016 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	13.5	6.3	9.5





#91

Benzo(a,h,i)perylene

Concen: 3.80 ng

RT: 16.69 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF089950.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 85381

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 24.5 16.4 24.6

