

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089381.D
 Acq On : 29 Jul 2016 00:10
 Operator : UM/SJ
 Sample : H4205-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

Quant Time: Jul 29 01:19:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46414	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	192579	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	89577	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	144982	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	95582	20.00	ng	-0.02
86) Perylene-d12	14.98	264	100333	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	282711	97.26	ng	-0.01
7) Phenol-d6	6.18	99	375180	97.66	ng	-0.02
23) Nitrobenzene-d5	7.10	82	244767	75.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	67082	90.42	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	441268	72.29	ng	-0.02
78) Terphenyl-d14	12.60	244	261004	63.91	ng	-0.02

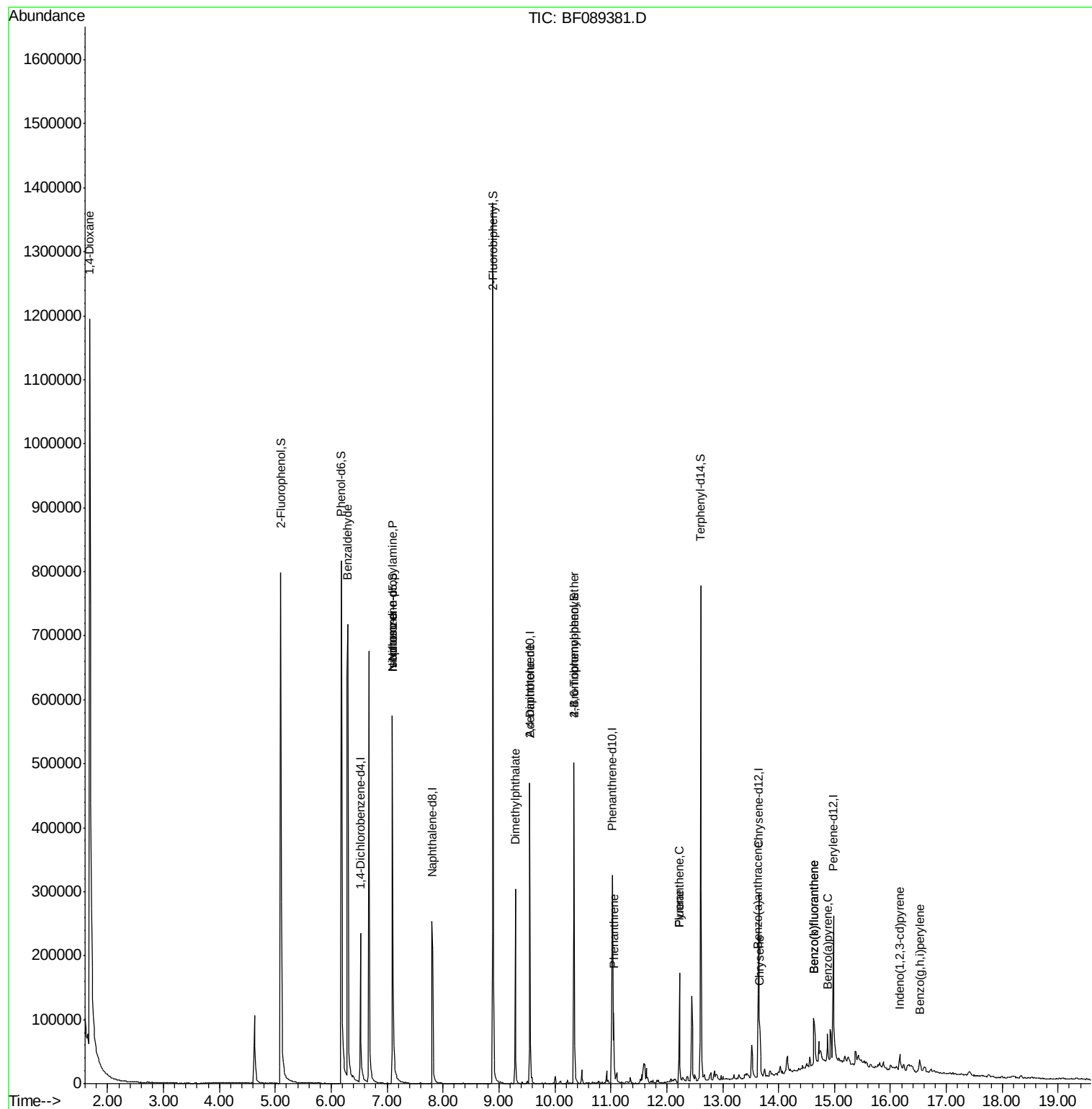
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	60832	46.78	ng	# 26
9) Benzaldehyde	6.30	77	7449	3.97	ng	83
19) n-Nitroso-di-n-propylamine	7.10	70	32275	13.93	ng	# 81
25) Isophorone	7.10	82	221736	33.74	ng	# 67
49) Dimethylphthalate	9.29	163	118276	17.35	ng	100
56) 2,4-Dinitrotoluene	9.55	165	11372	6.17	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5013	3.62	ng	# 1
70) Phenanthrene	11.05	178	43150	5.77	ng	99
74) Fluoranthene	12.23	202	78141	9.93	ng	99
77) Pyrene	12.23	202	78141	10.79	ng	98
80) Benzo(a)anthracene	13.63	228	31573	5.85	ng	96
82) Chrysene	13.67	228	25148	4.38	ng	98
85) Indeno(1,2,3-cd)pyrene	16.17	276	17891	4.38	ng	95
87) Benzo(b)fluoranthene	14.63	252	53383	8.57	ng	# 95
88) Benzo(k)fluoranthene	14.63	252	53383	9.32	ng	98
89) Benzo(a)pyrene	14.88	252	22195	3.97	ng	98
91) Benzo(g,h,i)perylene	16.53	276	17222	3.98	ng	93

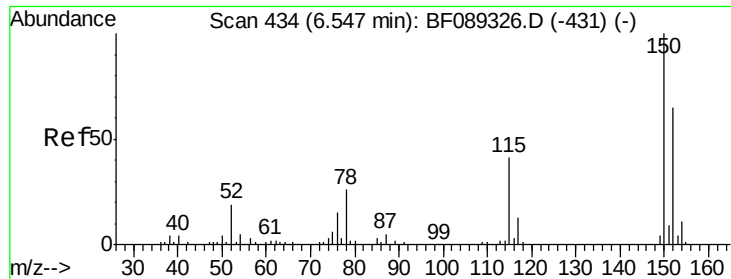
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089381.D
Acq On : 29 Jul 2016 00:10
Operator : UM/SJ
Sample : H4205-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Quant Time: Jul 29 01:19:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

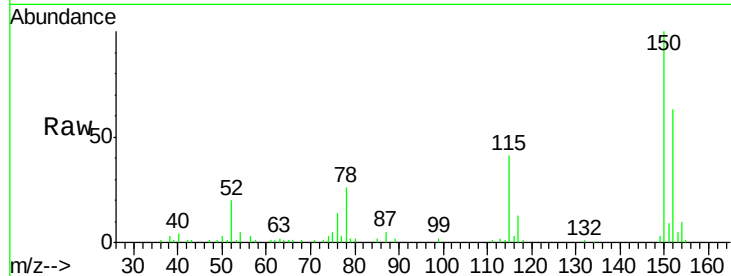
Tgt Ion:152 Resp: 46414

Ion Ratio Lower Upper

152 100

150 157.7 129.5 194.3

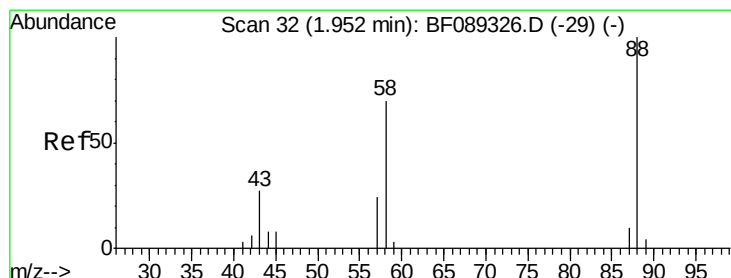
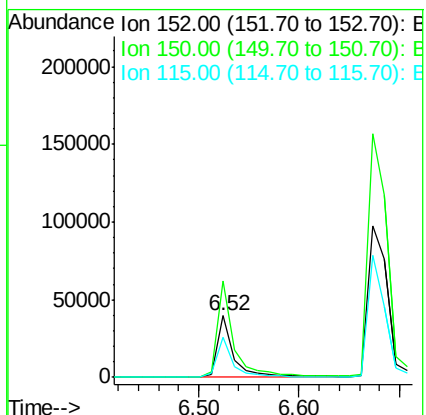
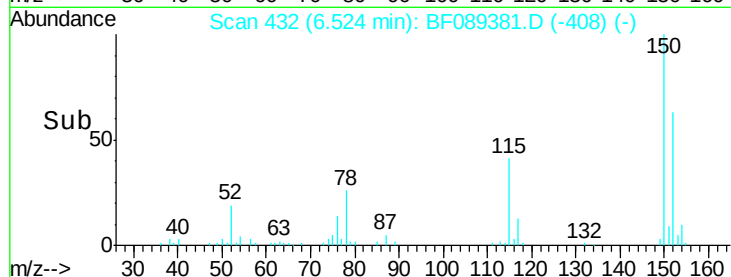
115 64.2 51.4 77.2



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



#2

1,4-Dioxane

Concen: 46.78 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

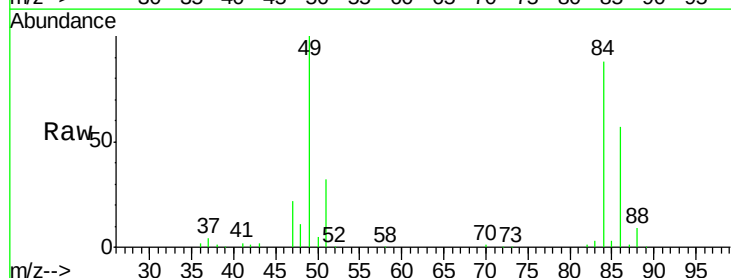
Tgt Ion: 88 Resp: 60832

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

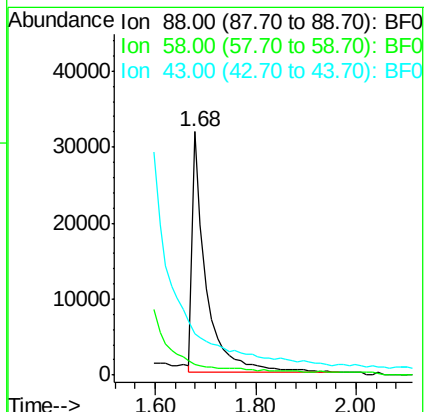
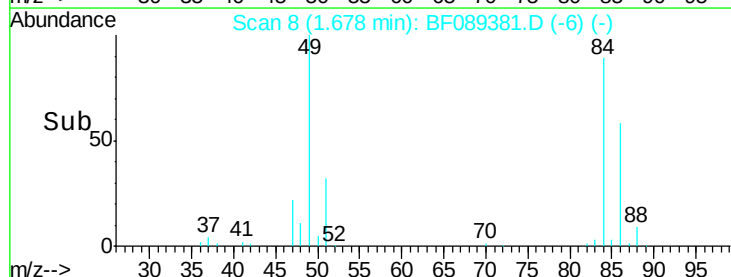
43 0.0 20.6 31.0#

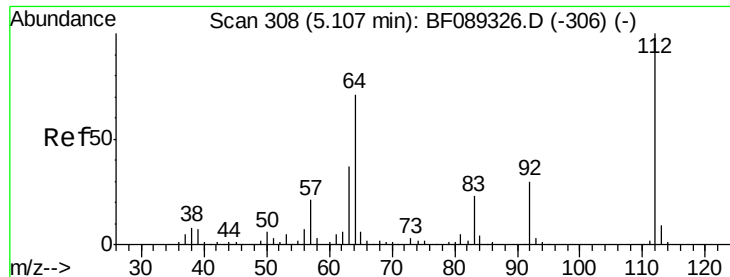


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 97.26 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

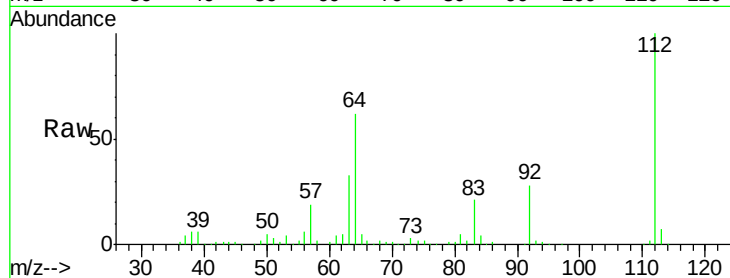
Tgt Ion: 112 Resp: 282711

Ion Ratio Lower Upper

112 100

64 61.6 55.0 82.6

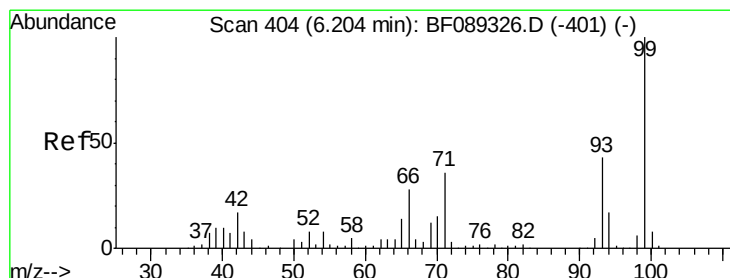
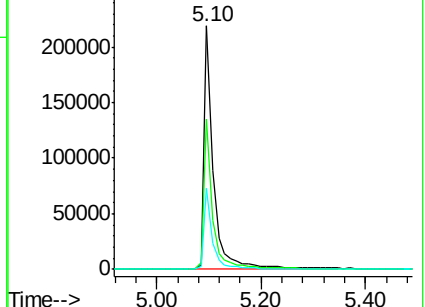
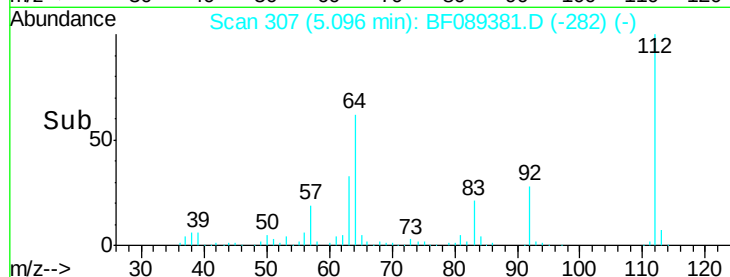
63 33.2 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 97.66 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

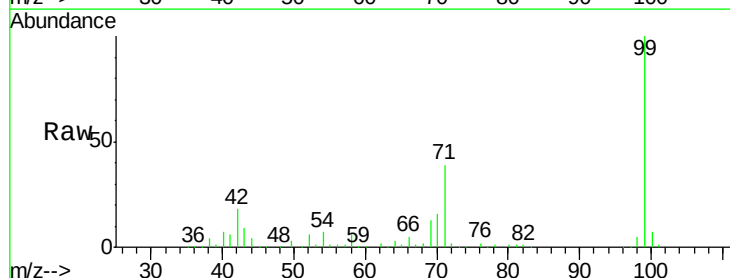
Tgt Ion: 99 Resp: 375180

Ion Ratio Lower Upper

99 100

42 18.4 13.6 20.4

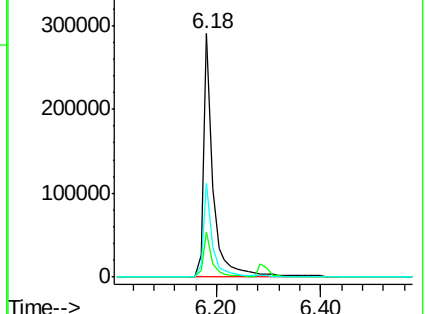
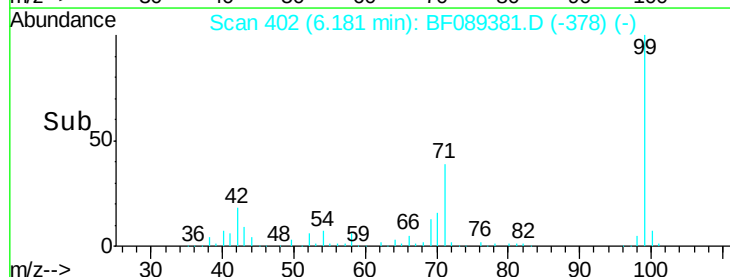
71 38.6 29.4 44.2

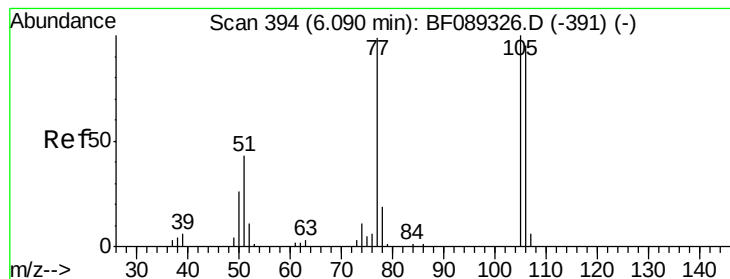


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.97 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.21 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

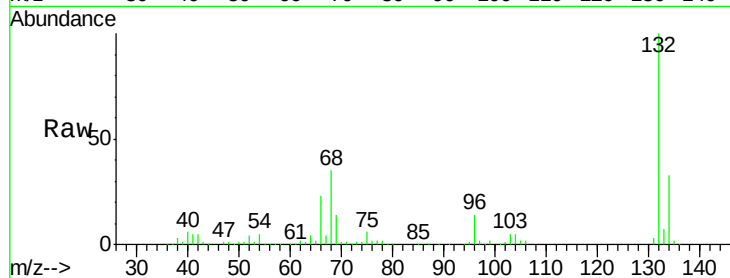
Tgt Ion: 77 Resp: 7449

Ion Ratio Lower Upper

77 100

105 84.9 82.9 122.9

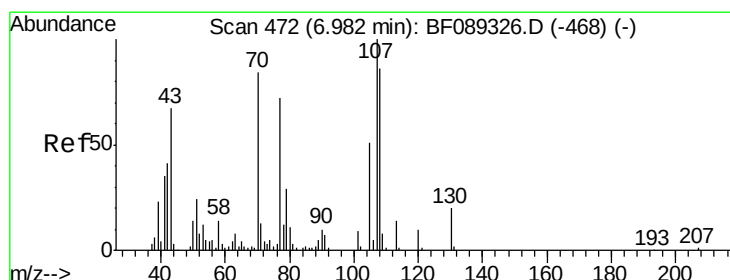
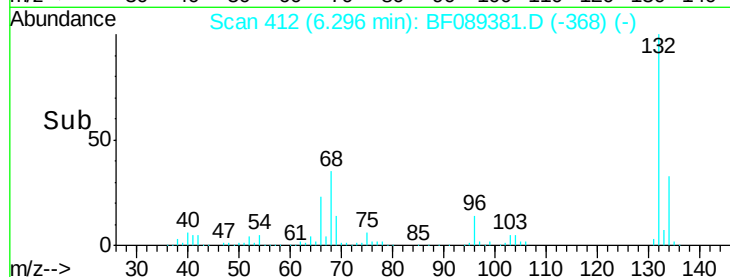
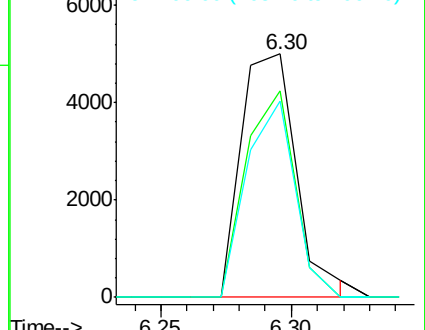
106 80.6 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.93 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Tgt Ion: 70 Resp: 32275

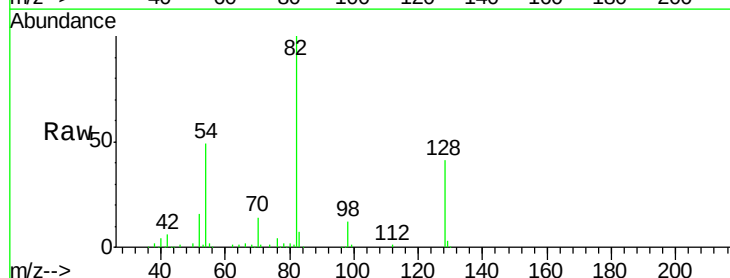
Ion Ratio Lower Upper

70 100

42 45.4 38.6 57.8

101 0.0 8.3 12.5#

130 2.0 19.0 28.4#

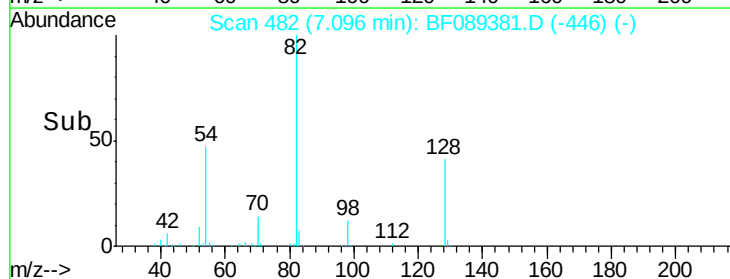
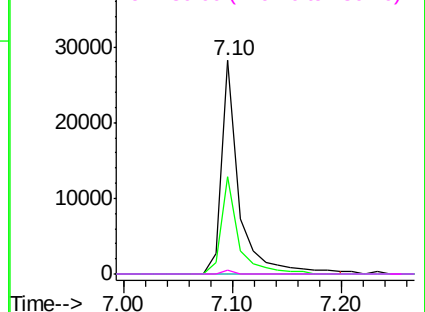


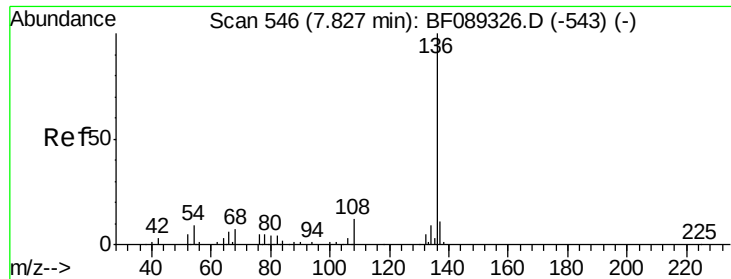
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

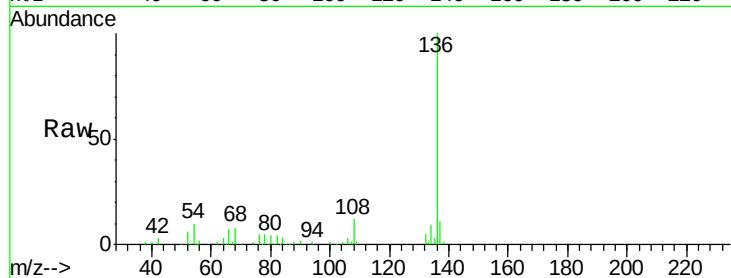




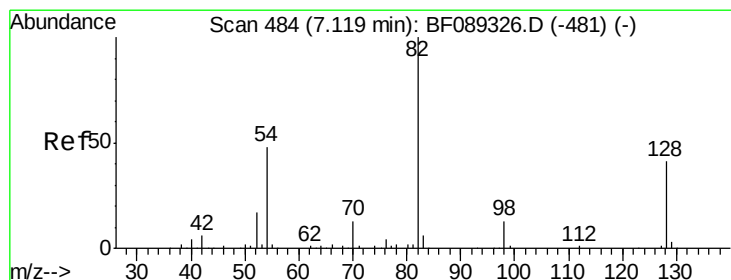
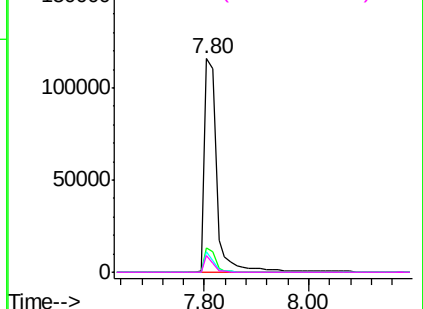
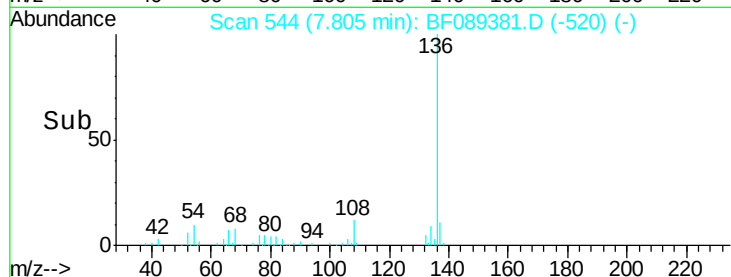
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:	136	Resp:	192579
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.8	7.0	10.4
68	7.5	4.9	7.3#

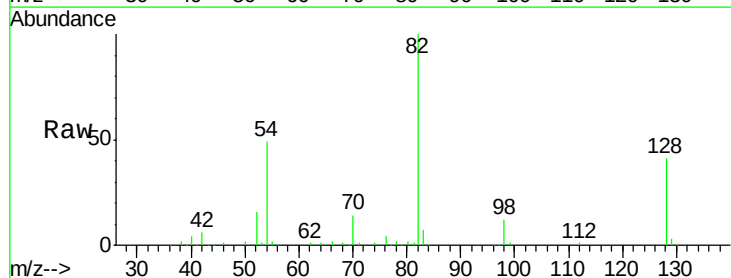


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

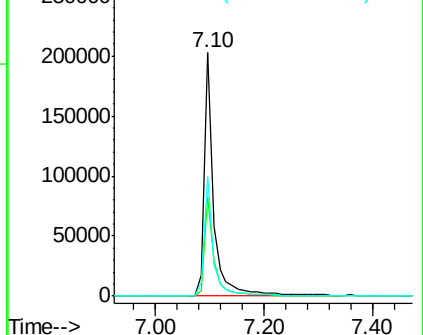
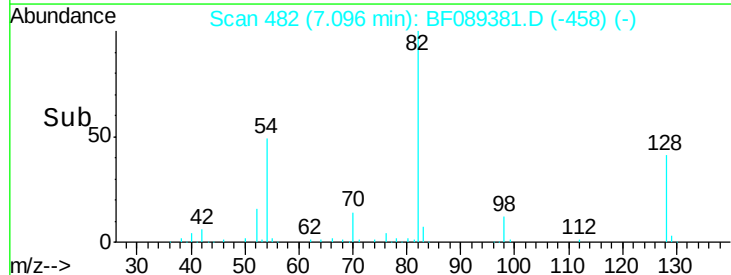


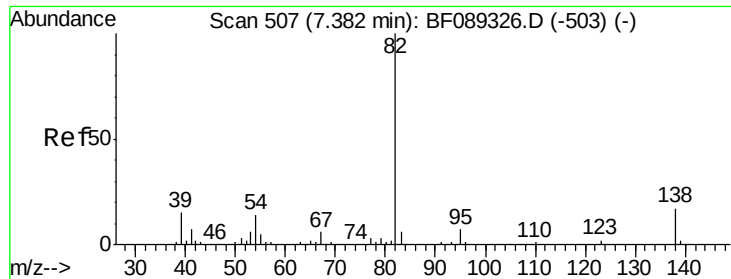
#23
Nitrobenzene-d5
Concen: 75.02 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:	82	Resp:	244767
Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.5	48.7
54	49.2	38.8	58.2



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: 33.74 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.29 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

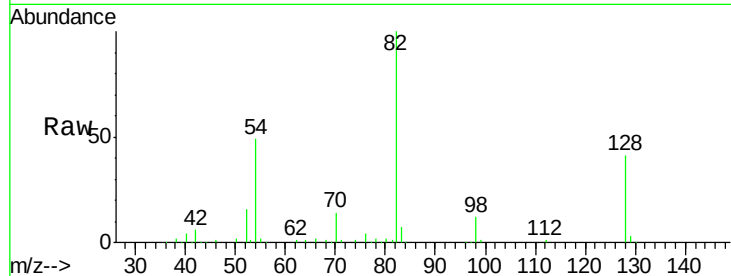
Tgt Ion: 82 Resp: 221736

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

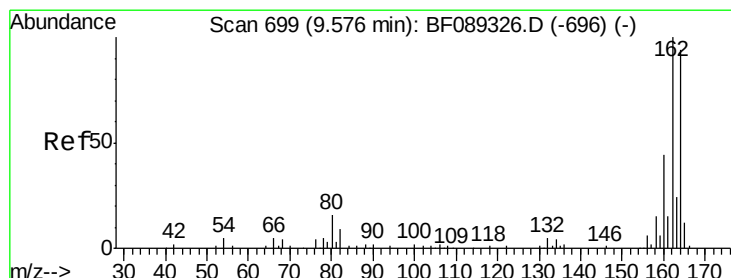
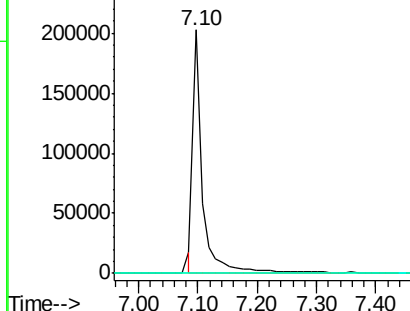
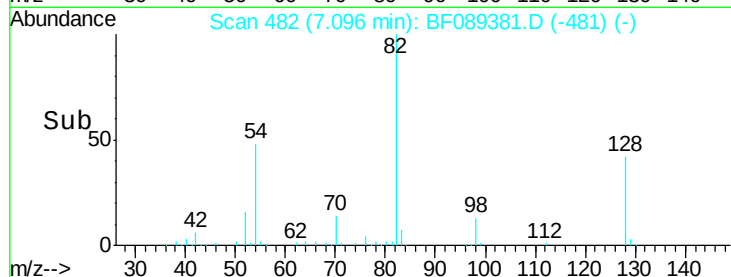
138 0.0 13.3 19.9#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

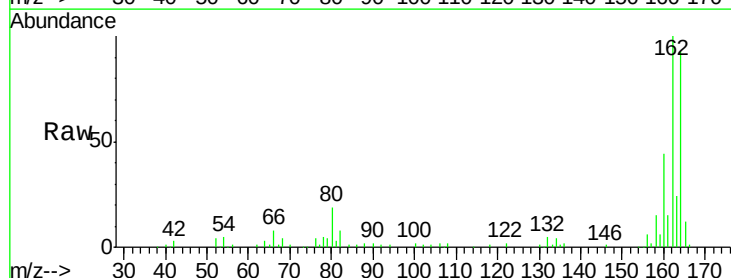
Tgt Ion: 164 Resp: 89577

Ion Ratio Lower Upper

164 100

162 107.0 83.7 125.5

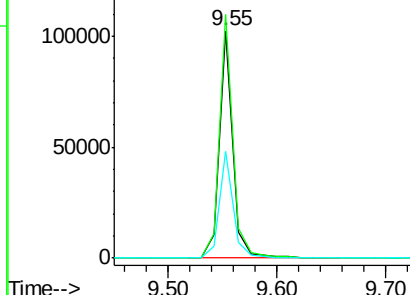
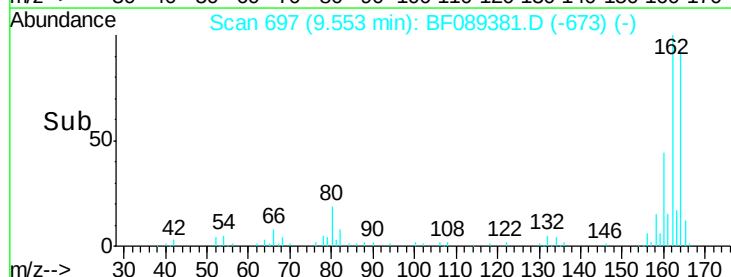
160 46.8 37.8 56.6

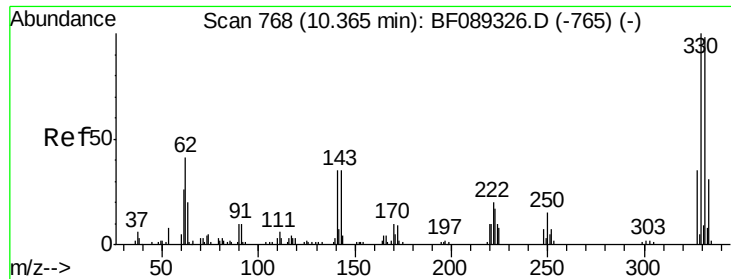


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

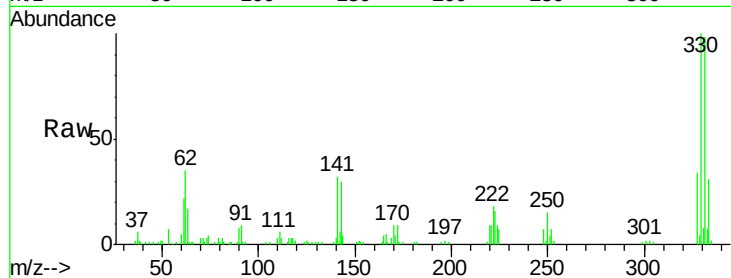




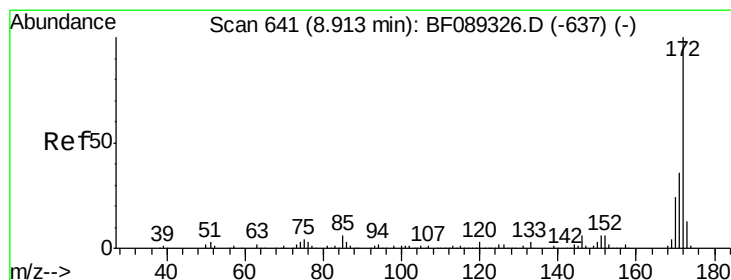
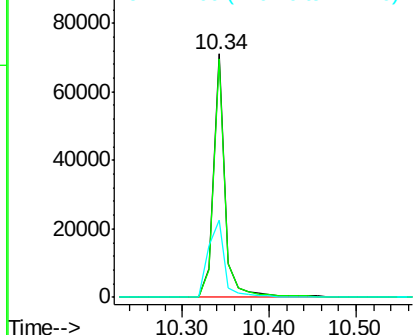
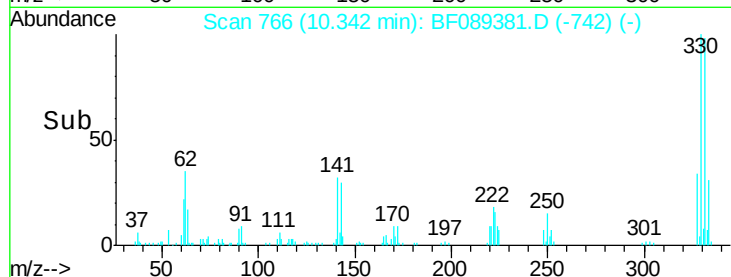
#41
 2,4,6-Tribromophenol
 Concen: 90.42 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

Tgt Ion:330 Resp: 67082
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.8 115.2
 141 44.0 37.3 55.9

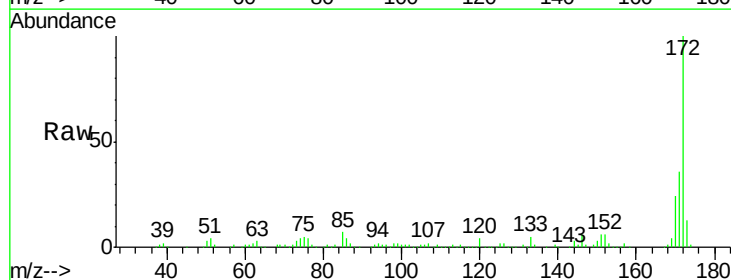


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

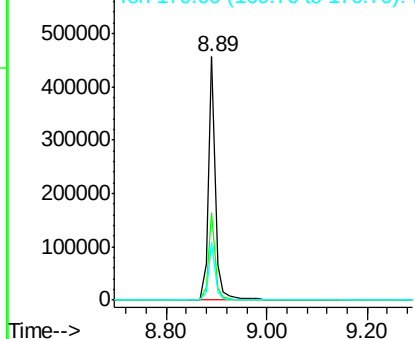
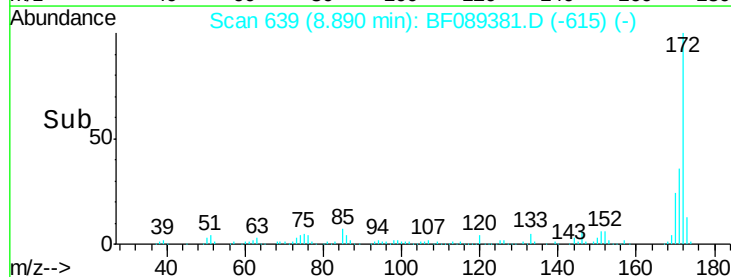


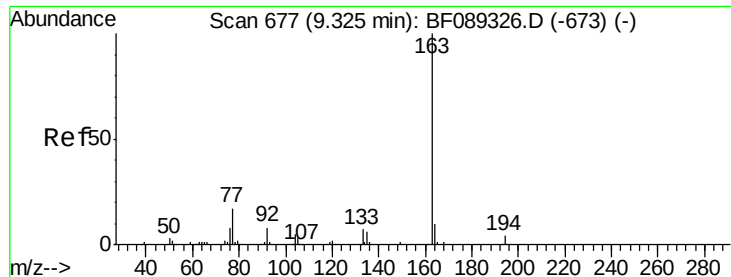
#44
 2-Fluorobiphenyl
 Concen: 72.29 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:172 Resp: 441268
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.7 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





#49

Dimethylphthalate

Concen: 17.35 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

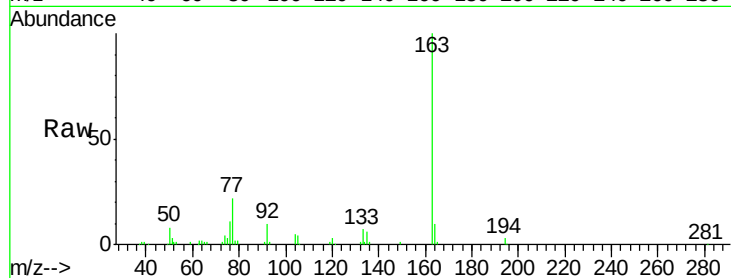
Tgt Ion:163 Resp: 118276

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

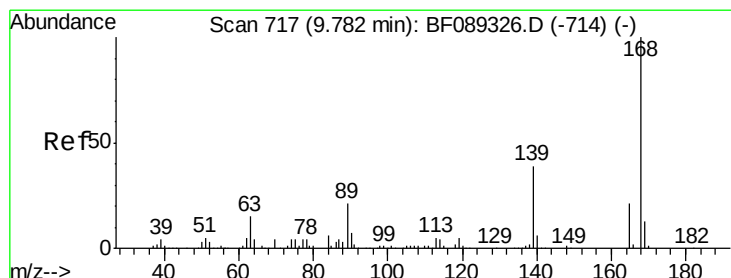
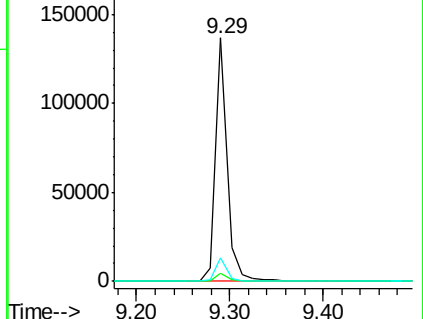
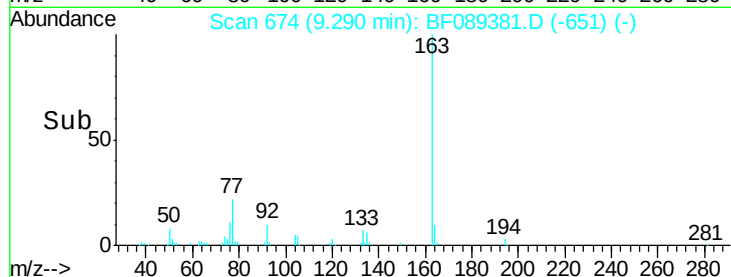
164 9.8 7.8 11.8



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: 6.17 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.23 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Tgt Ion:165 Resp: 11372

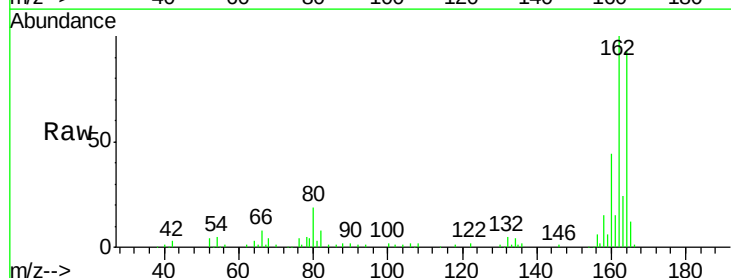
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

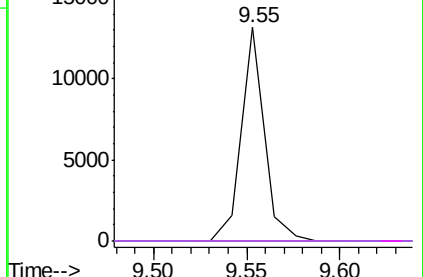
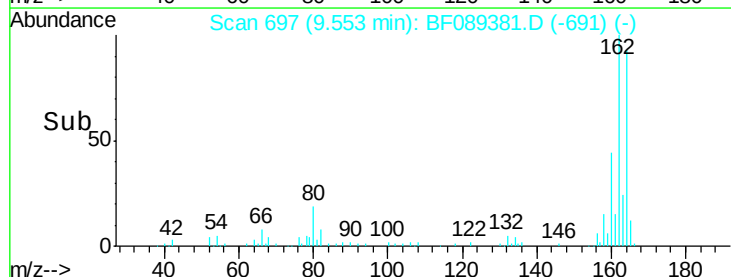


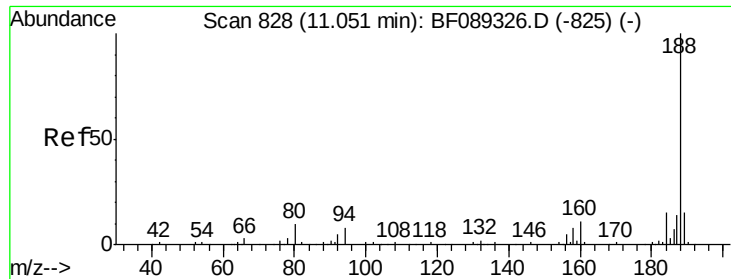
Abundance Ion 165.00 (164.70 to 165.70): E

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

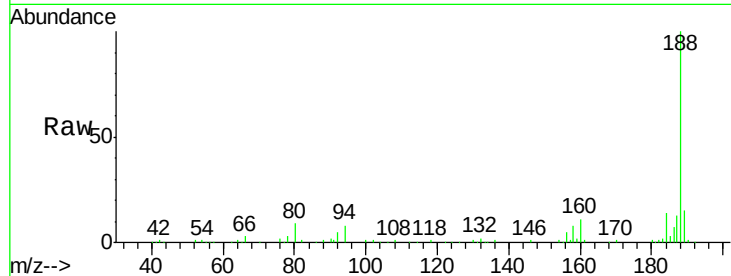




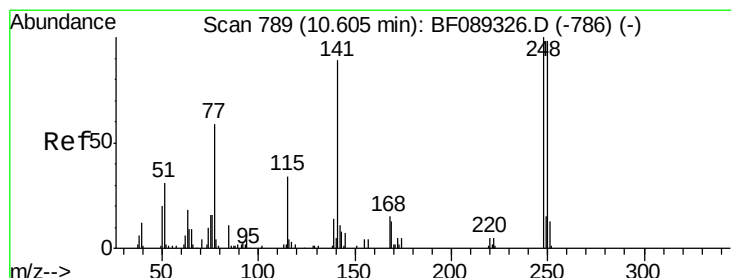
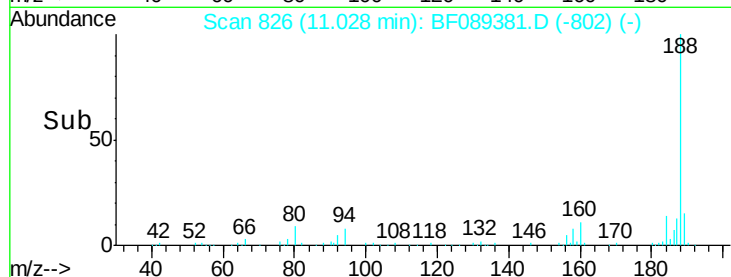
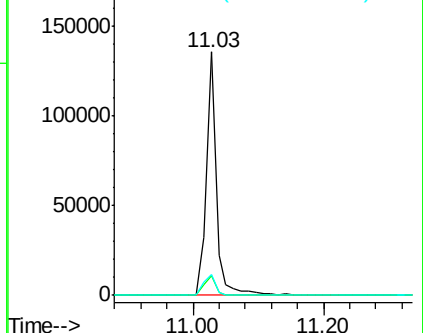
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

Tgt Ion:188 Resp: 144982
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.5 9.7
 80 8.7 7.2 10.8

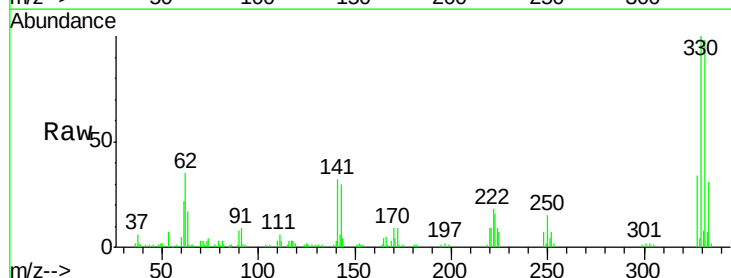


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

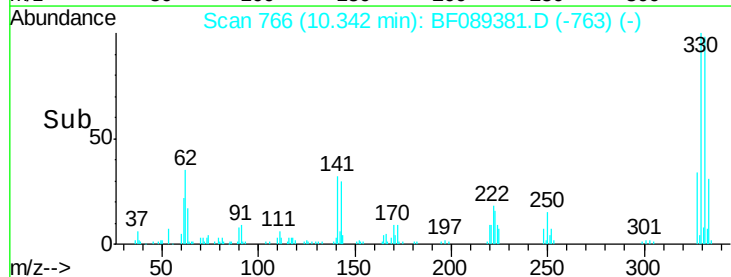
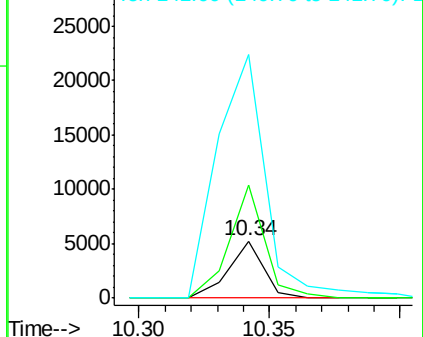


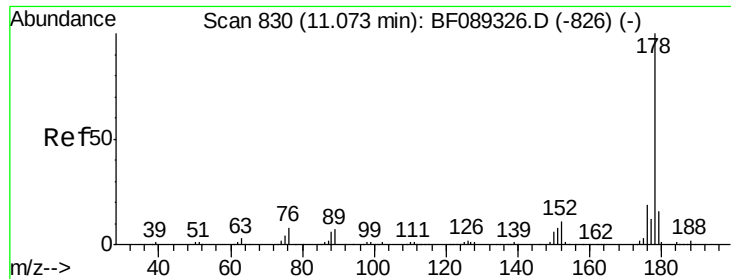
#66
 4-Bromophenyl-phenylether
 Concen: 3.62 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:248 Resp: 5013
 Ion Ratio Lower Upper
 248 100
 250 198.9 78.2 117.2#
 141 426.1 62.0 93.0#



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





#70

Phenanthrene

Concen: 5.77 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

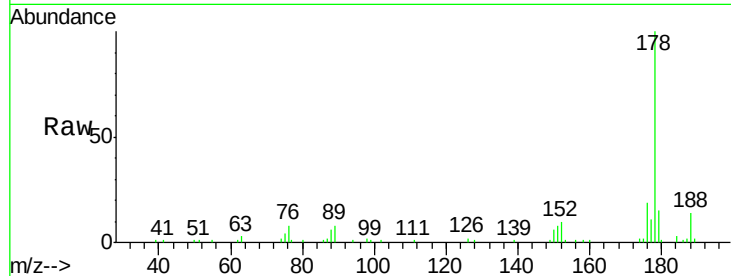
Tgt Ion:178 Resp: 43150

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

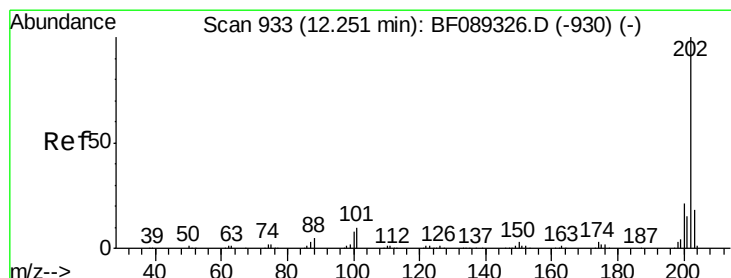
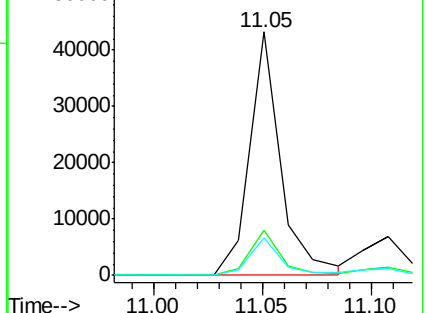
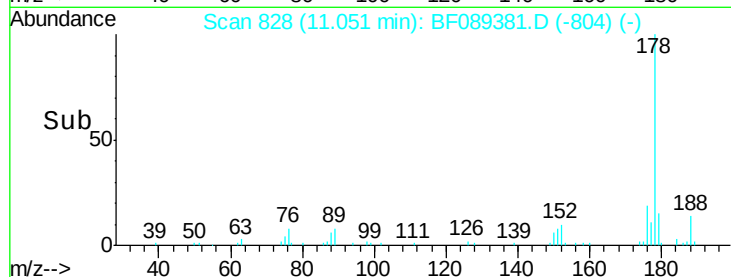
179 15.2 12.3 18.5



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: 9.93 ng

RT: 12.23 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

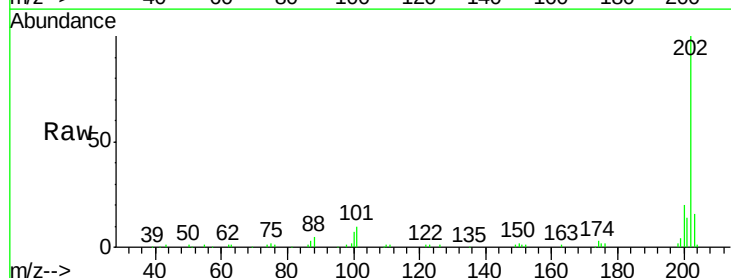
Tgt Ion:202 Resp: 78141

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.9

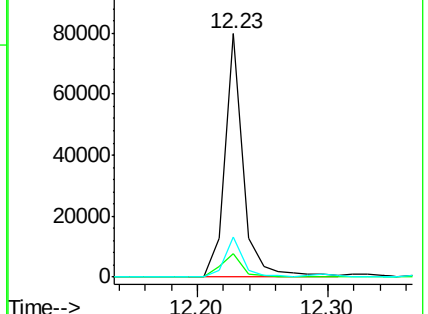
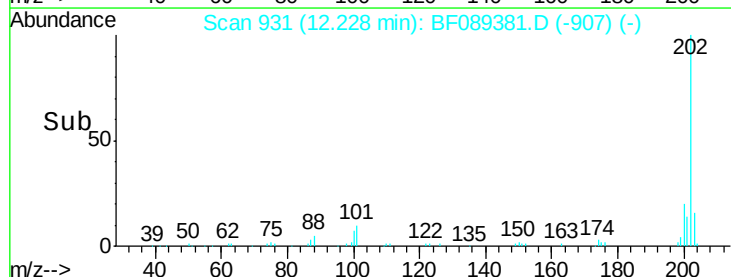
203 16.5 0.0 37.3

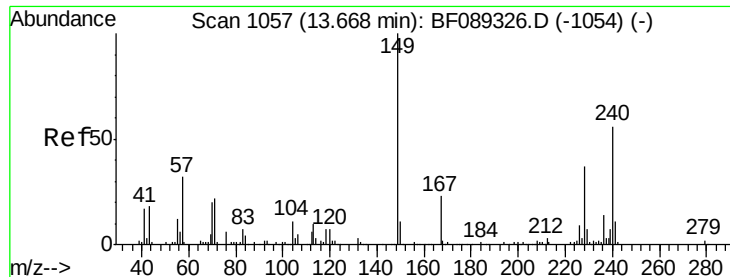


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

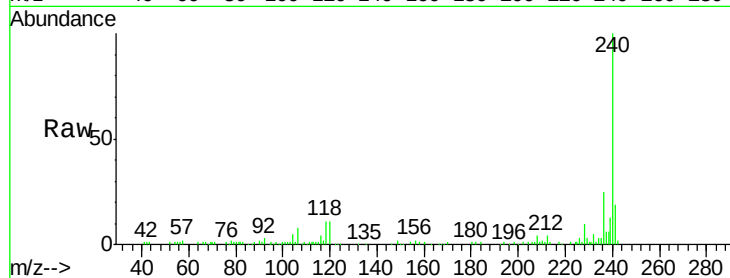
Tgt Ion:240 Resp: 95582

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

236 24.7 20.6 30.8



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

120000

100000

80000

60000

40000

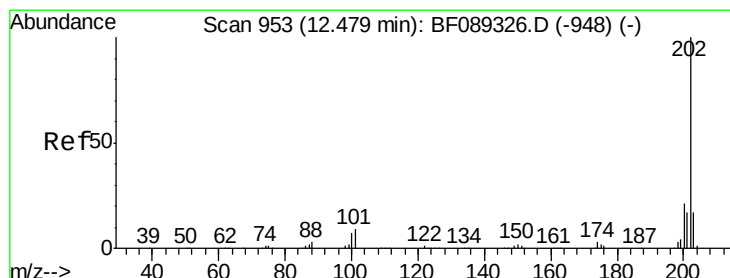
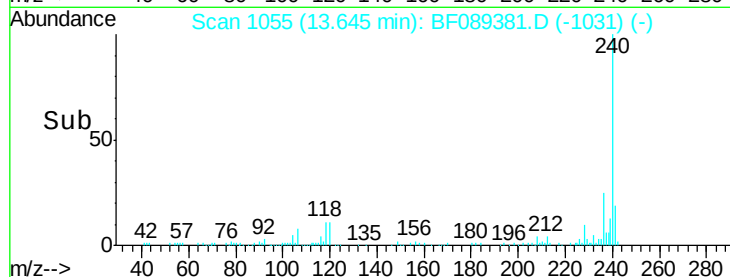
20000

0

13.65

13.60 13.70 13.80

Time-->



#77

Pyrene

Concen: 10.79 ng

RT: 12.23 min Scan# 931

Delta R.T. -0.24 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

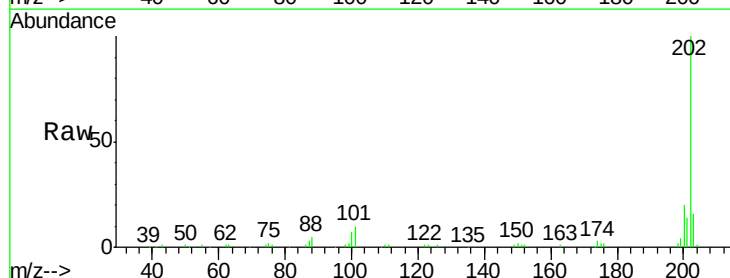
Tgt Ion:202 Resp: 78141

Ion Ratio Lower Upper

202 100

200 20.2 16.9 25.3

203 16.5 14.0 21.0



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

100000

80000

60000

40000

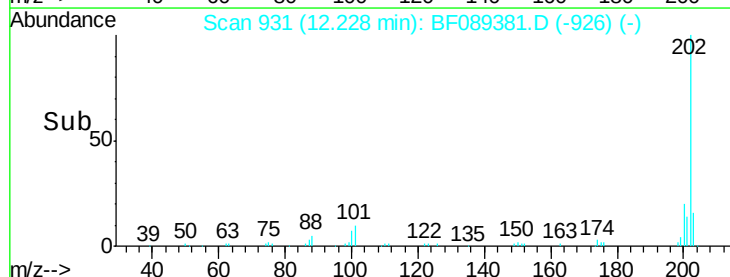
20000

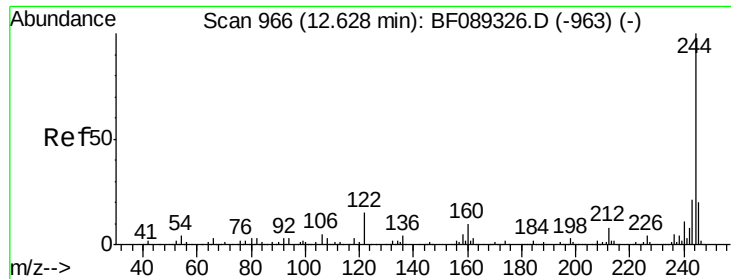
0

12.23

12.20 12.30

Time-->

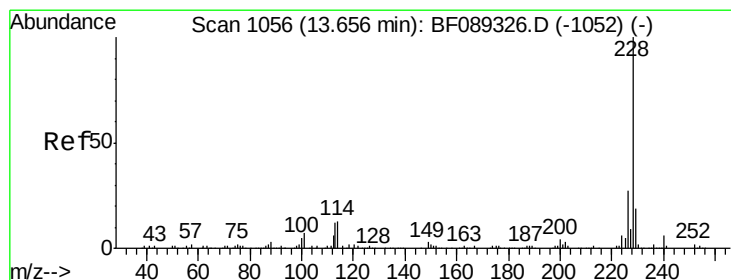
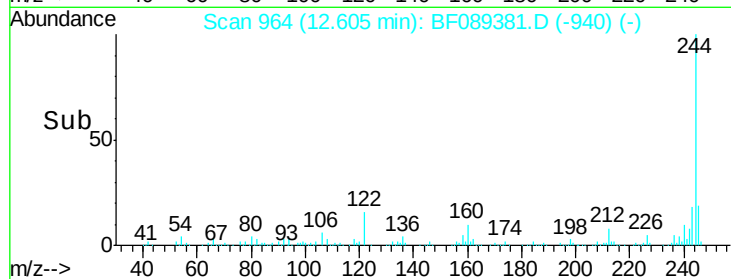
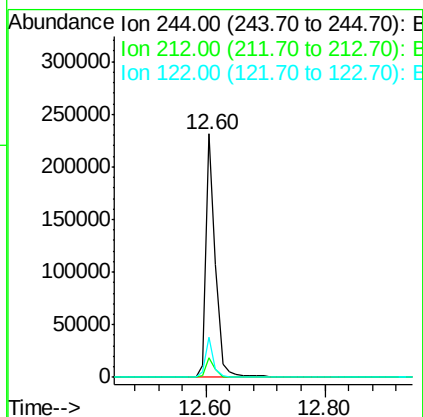
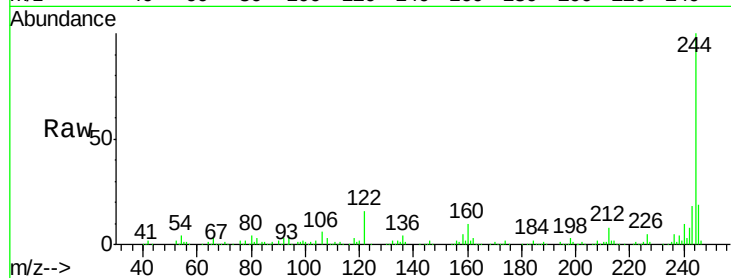




#78
 Terphenyl-d14
 Concen: 63.91 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

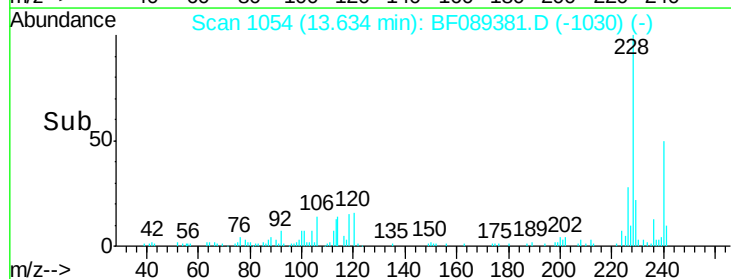
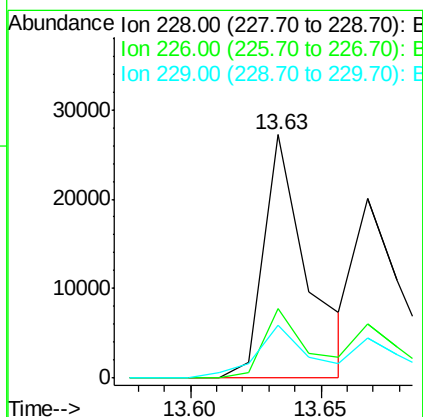
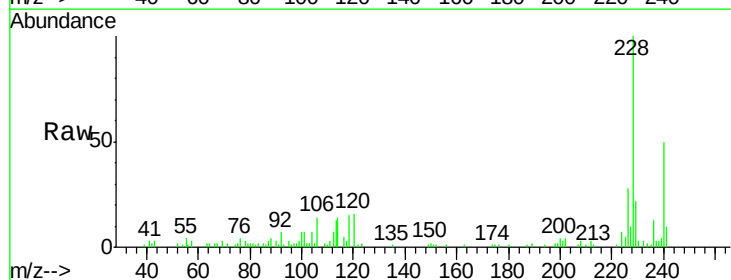
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

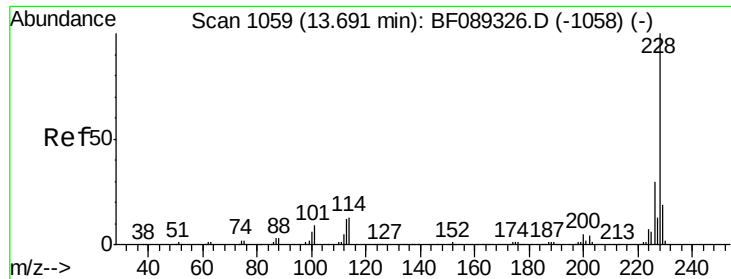
Tgt Ion:244 Resp: 261004
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 16.5 11.4 17.0



#80
 Benzo(a)anthracene
 Concen: 5.85 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:228 Resp: 31573
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.2
 229 21.9 15.9 23.9





#82

Chrysene

Concen: 4.38 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

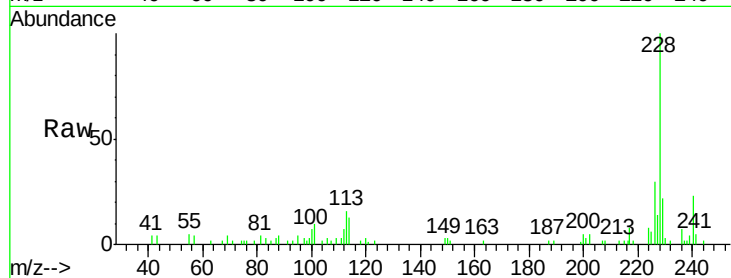
Tgt Ion: 228 Resp: 25148

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

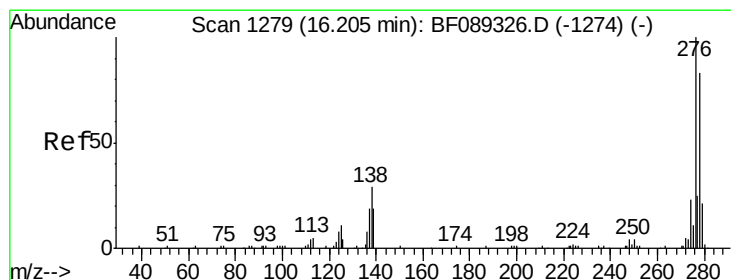
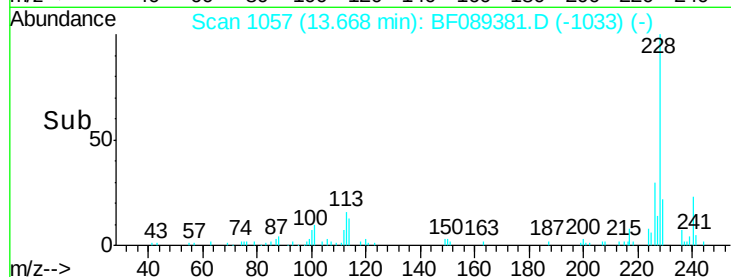
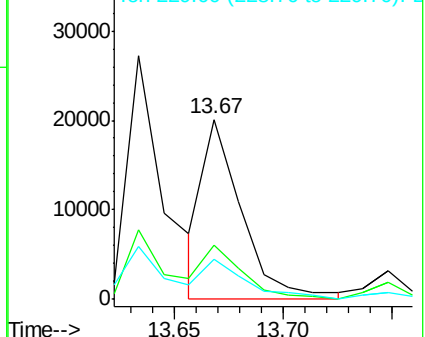
229 22.1 15.9 23.9



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: 4.38 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

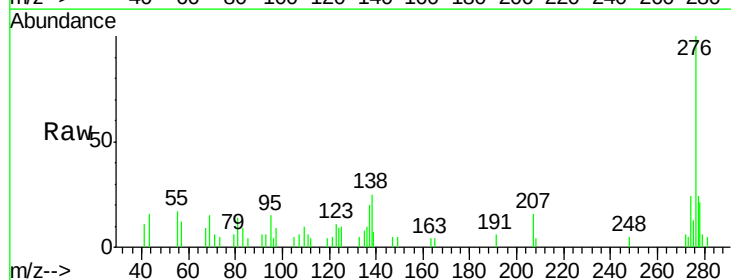
Tgt Ion: 276 Resp: 17891

Ion Ratio Lower Upper

276 100

138 30.9 23.0 34.4

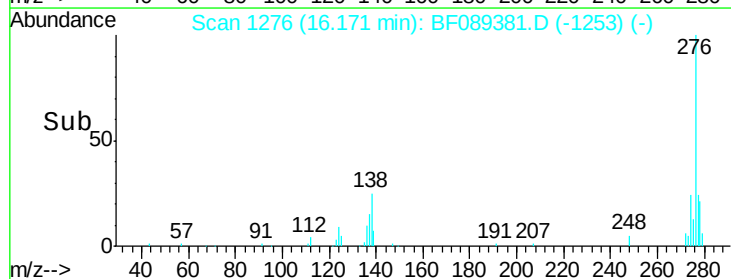
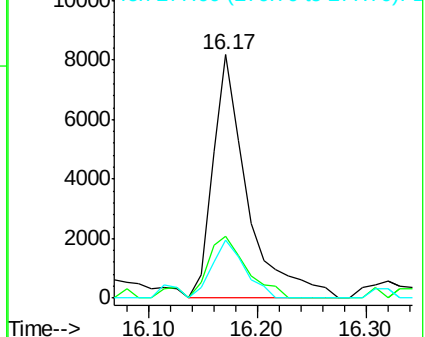
277 22.8 20.2 30.4

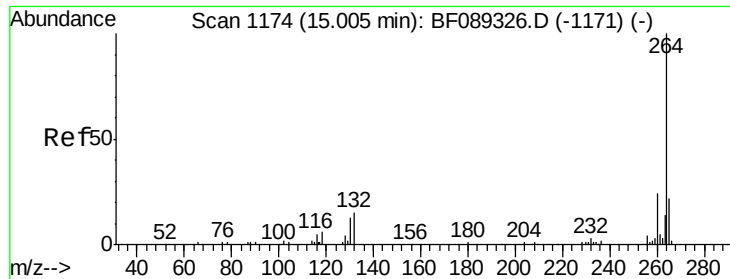


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

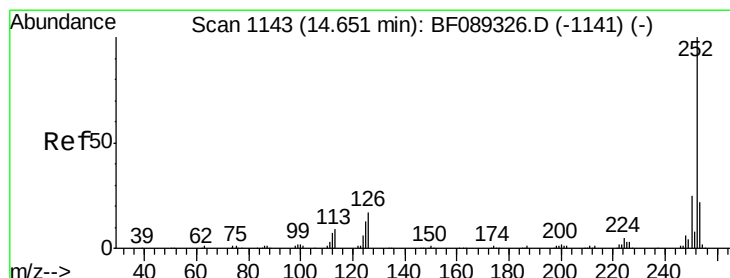
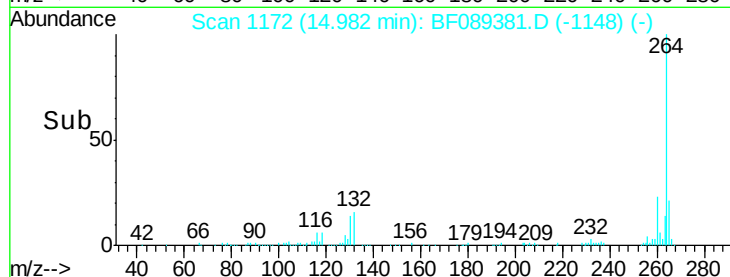
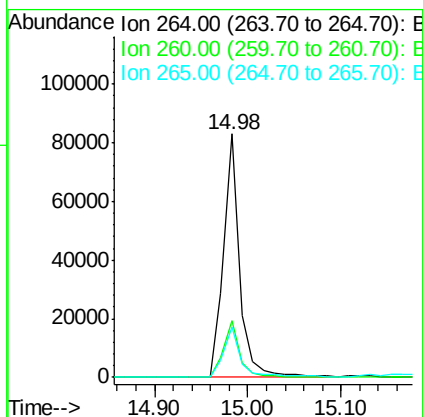
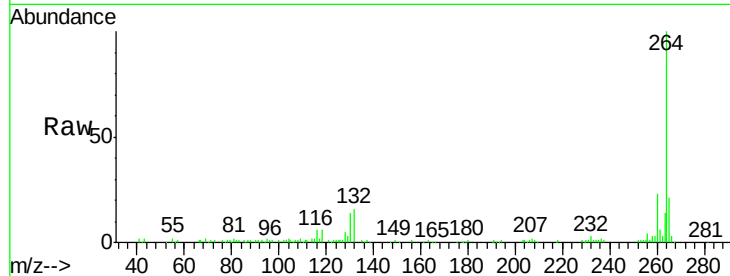




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

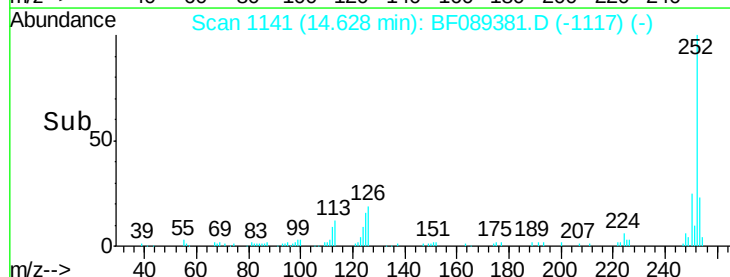
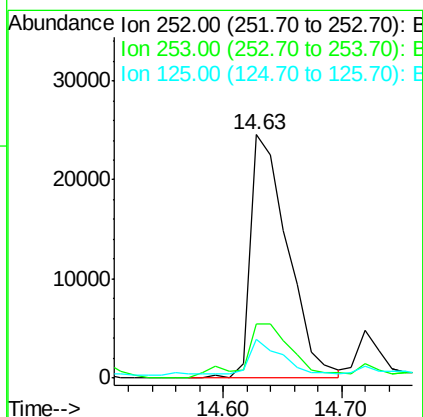
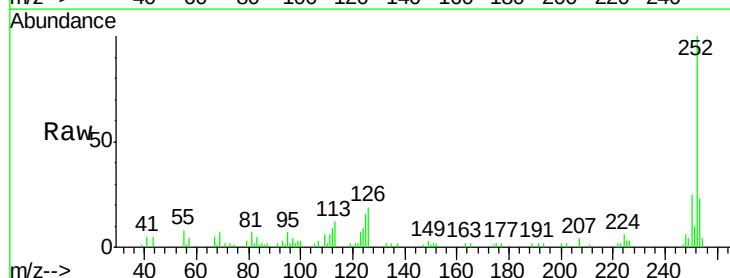
Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

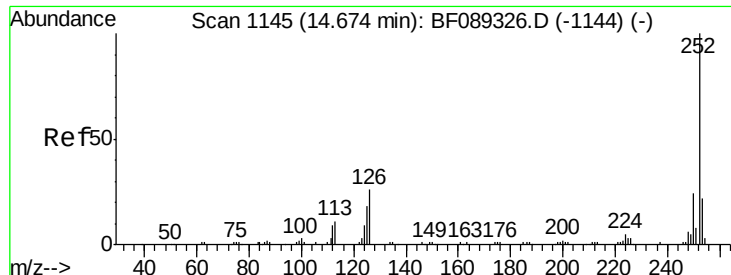
Tgt Ion: 264 Resp: 100333
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.4
265 20.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.57 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion: 252 Resp: 53383
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 15.7 9.7 14.5#

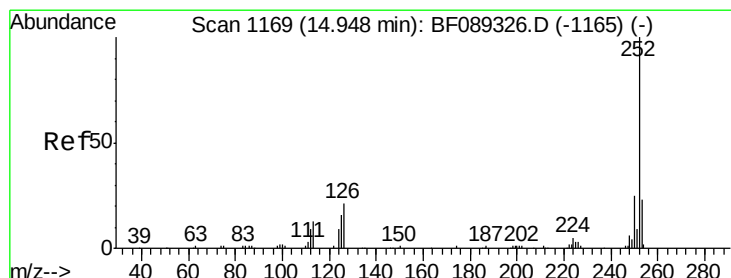
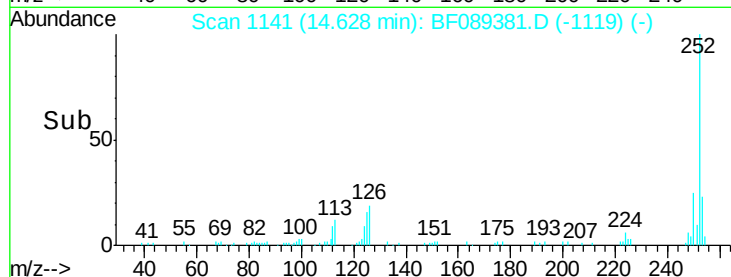
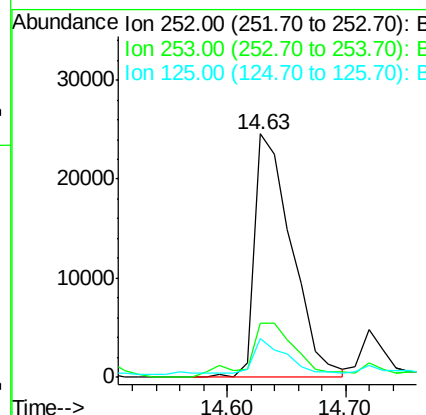
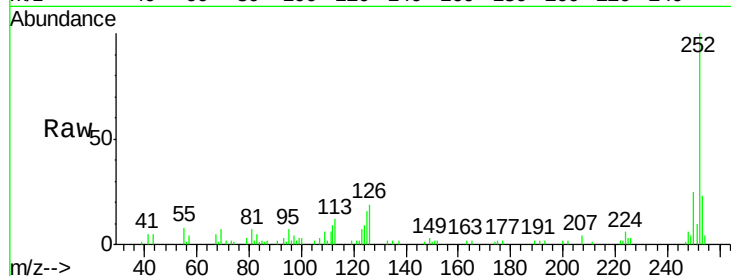




#88
 Benzo(k)fluoranthene
 Concen: 9.32 ng
 RT: 14.63 min Scan# 1141
 Delta R.T. -0.05 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

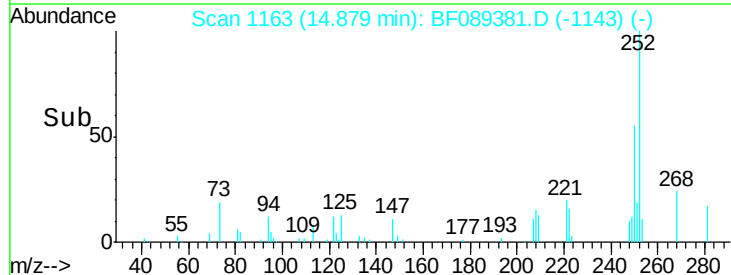
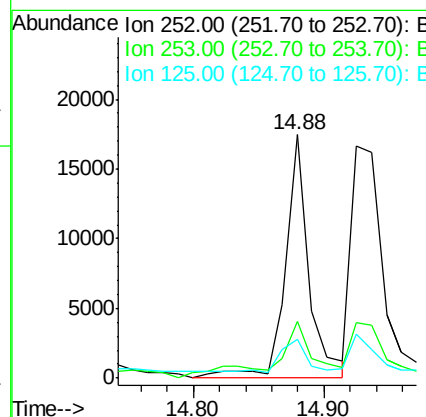
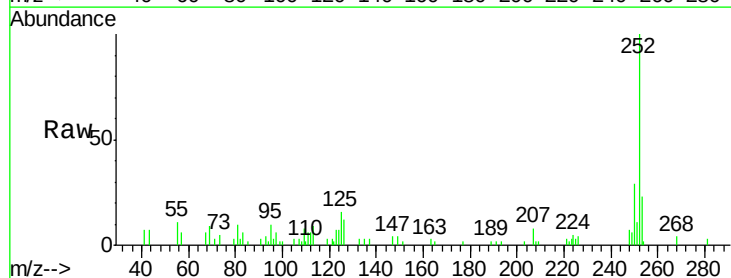
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

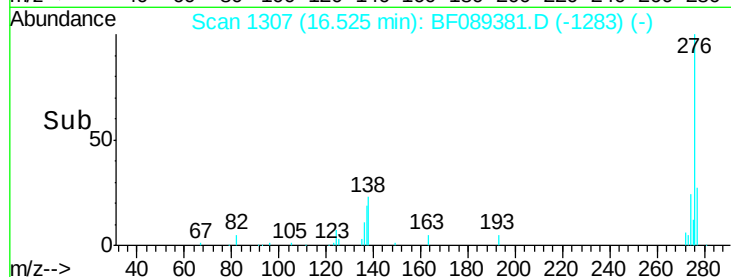
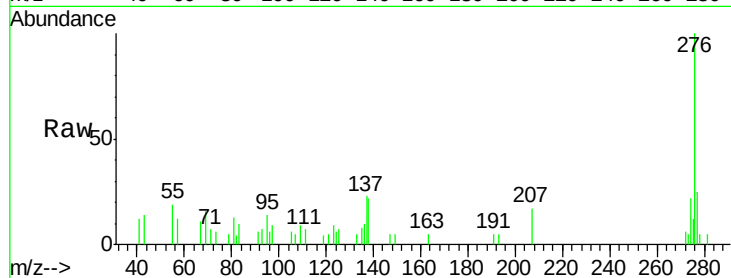
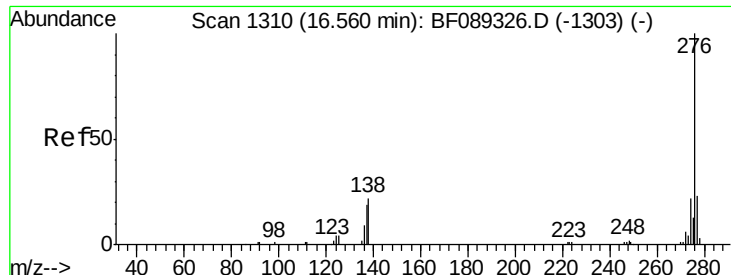
Tgt Ion:252 Resp: 53383
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.8 26.8
 125 15.7 10.7 16.1



#89
 Benzo(a)pyrene
 Concen: 3.97 ng
 RT: 14.88 min Scan# 1163
 Delta R.T. -0.07 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:252 Resp: 22195
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.2
 125 15.7 12.4 18.6





#91

Benzo(g,h,i)perylene

Concen: 3.98 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

Tgt Ion: 276 Resp: 17222

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 22.0 21.4 32.0

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

