

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089386.D
 Acq On : 29 Jul 2016 2:35
 Operator : UM/SJ
 Sample : H4216-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4(LOT112)0-1

Quant Time: Jul 29 03:35:36 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

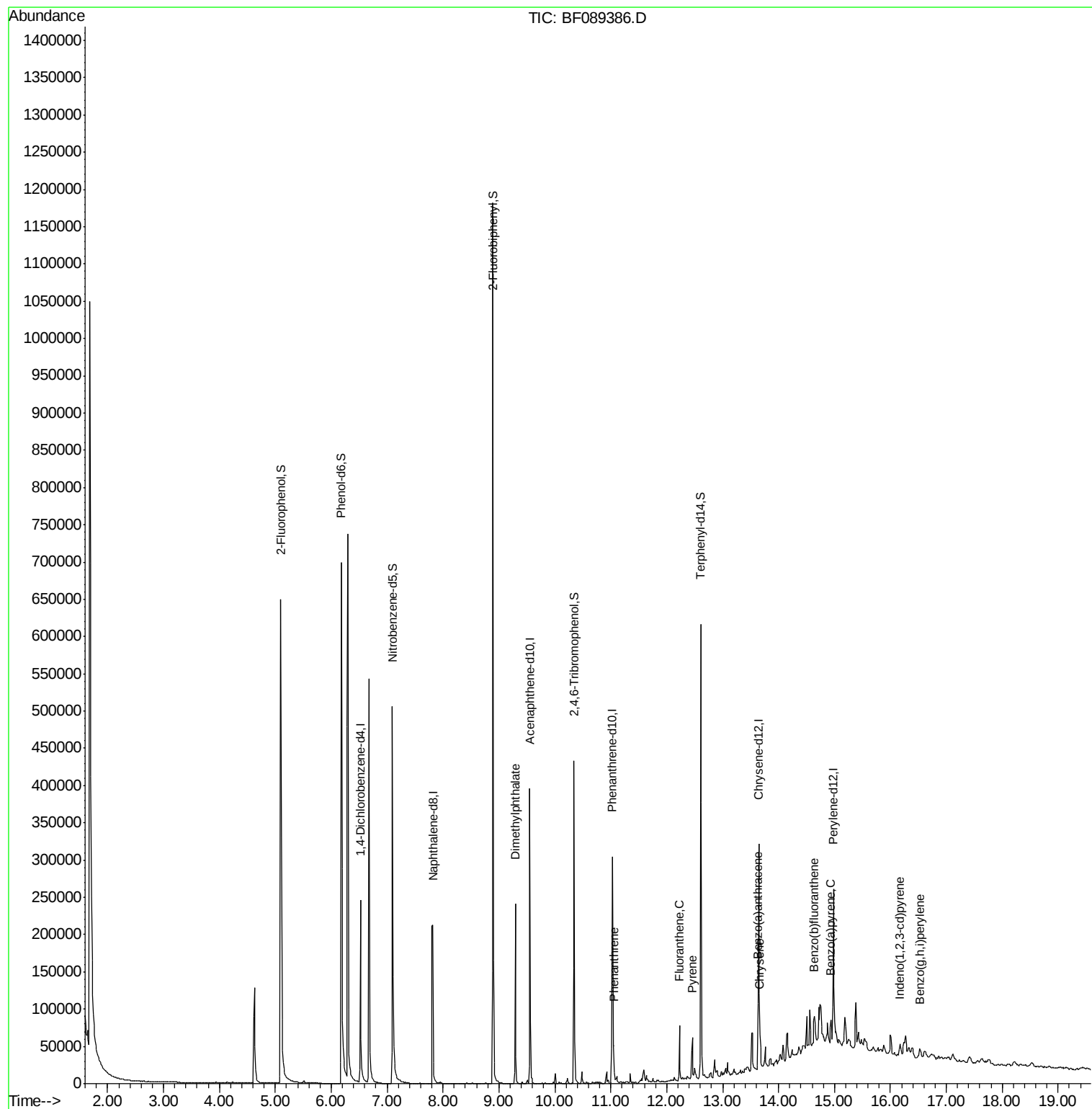
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	45871	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	172401	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	77091	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	122481	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	95654	20.00	ng	-0.02
86) Perylene-d12	14.98	264	81315	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	252196	87.79	ng	-0.01
7) Phenol-d6	6.18	99	323712	85.26	ng	-0.02
23) Nitrobenzene-d5	7.10	82	215008	73.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	52151	81.68	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	367862	70.03	ng	-0.02
78) Terphenyl-d14	12.60	244	234146	57.29	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	94568	16.12	ng	99
70) Phenanthrene	11.05	178	17468	2.77	ng	98
74) Fluoranthene	12.23	202	32457	4.88	ng	98
77) Pyrene	12.46	202	30771	4.24	ng	99
80) Benzo(a)anthracene	13.63	228	15727	2.91	ng	# 87
82) Chrysene	13.67	228	13940m	2.43	ng	
85) Indeno(1,2,3-cd)pyrene	16.17	276	8784	2.15	ng	99
87) Benzo(b)fluoranthene	14.64	252	20645m	4.09	ng	
89) Benzo(a)pyrene	14.94	252	14055	3.10	ng	96
91) Benzo(g,h,i)perylene	16.53	276	8558	2.44	ng	96

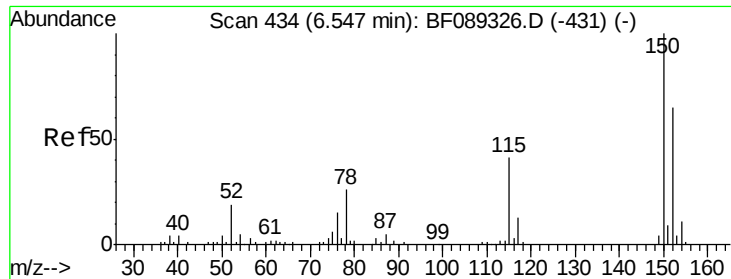
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

Instrument :

BNA_F

ClientSampleId :

SP-4(LOT112)0-1

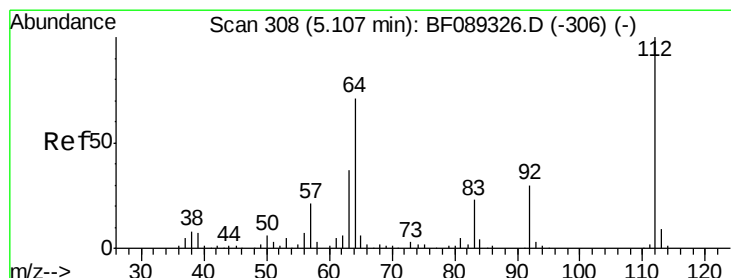
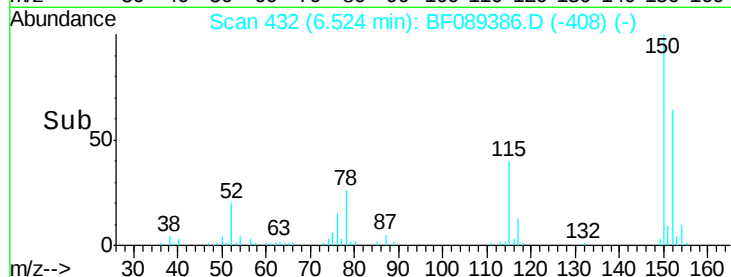
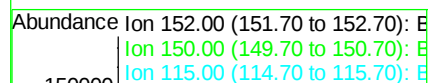
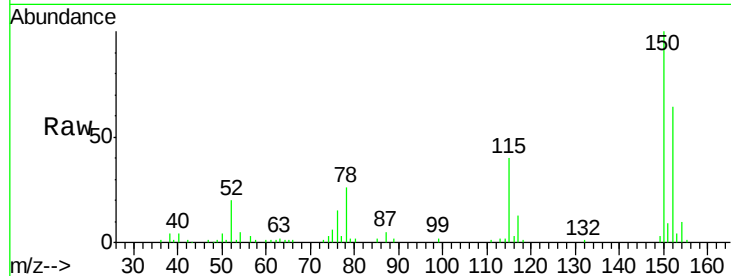
Tgt Ion:152 Resp: 45871

Ion Ratio Lower Upper

152 100

150 155.7 129.5 194.3

115 63.0 51.4 77.2



#5

2-Fluorophenol

Concen: 87.79 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

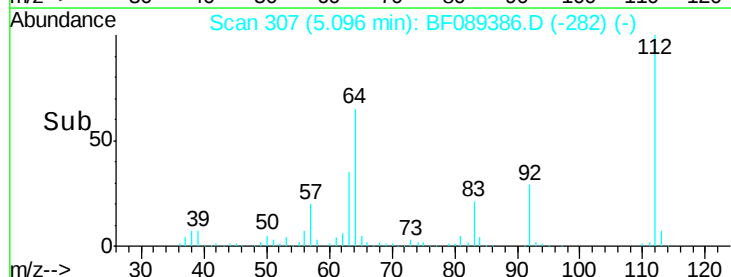
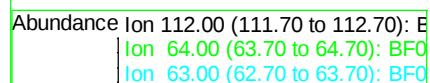
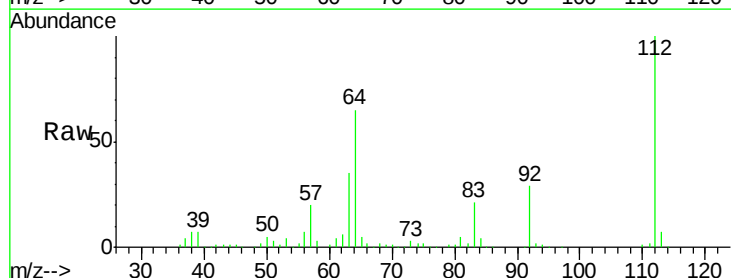
Tgt Ion:112 Resp: 252196

Ion Ratio Lower Upper

112 100

64 64.6 55.0 82.6

63 34.9 29.4 44.2





#7

Phenol-d6

Concen: 85.26 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

Instrument :

BNA_F

ClientSampleId :

SP-4(LOT112)0-1

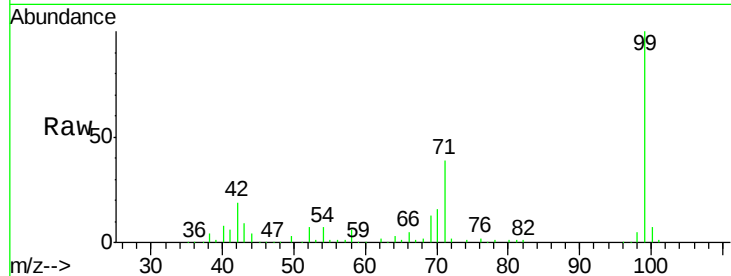
Tgt Ion: 99 Resp: 323712

Ion Ratio Lower Upper

99 100

42 19.1 13.6 20.4

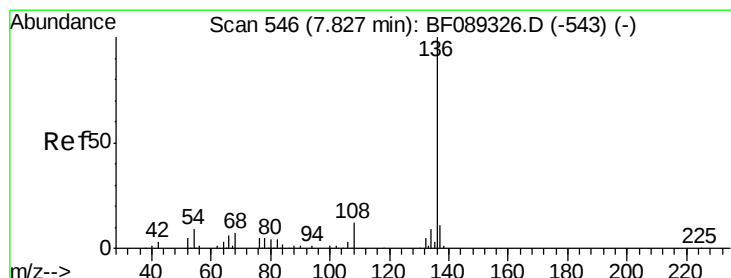
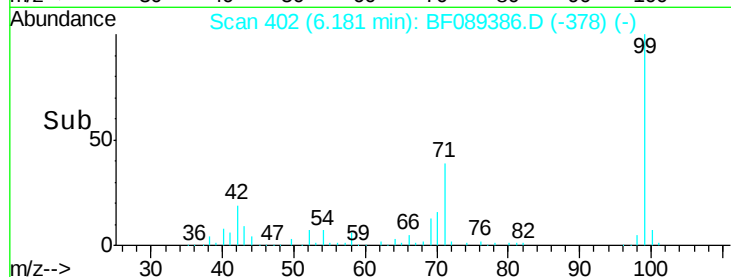
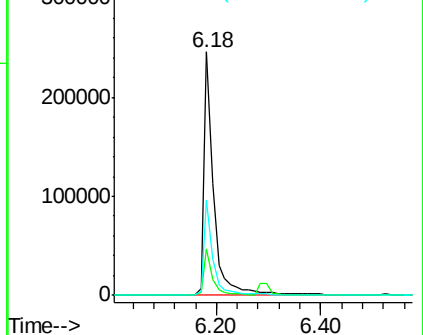
71 39.1 29.4 44.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

Tgt Ion: 136 Resp: 172401

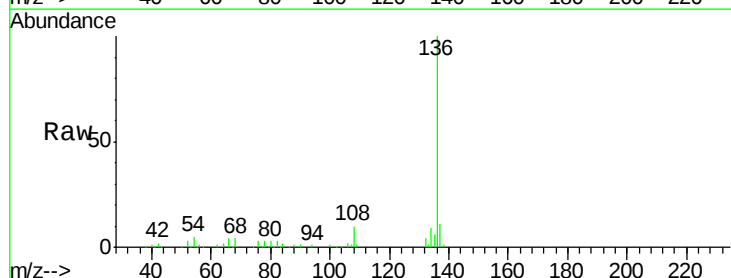
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 5.2 7.0 10.4#

68 4.4 4.9 7.3#

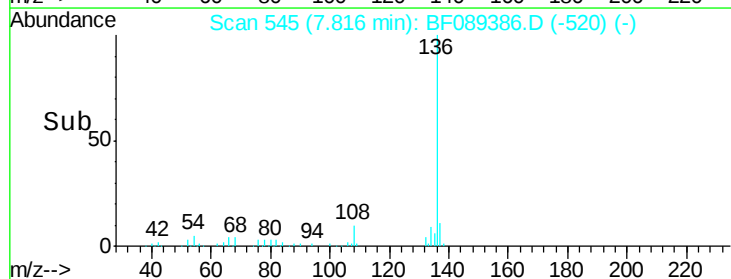
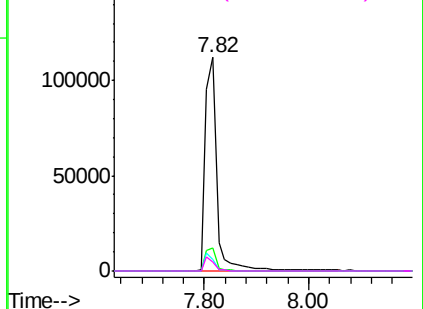


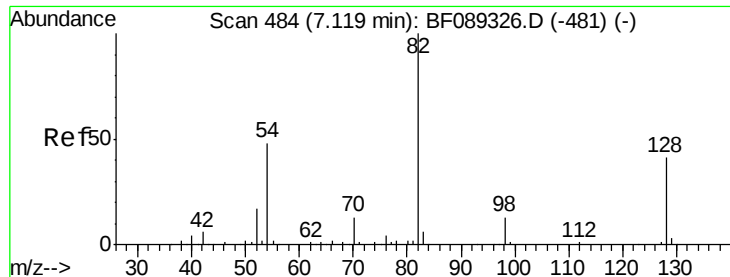
Abundance Ion 136.00 (135.70 to 136.70): E

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

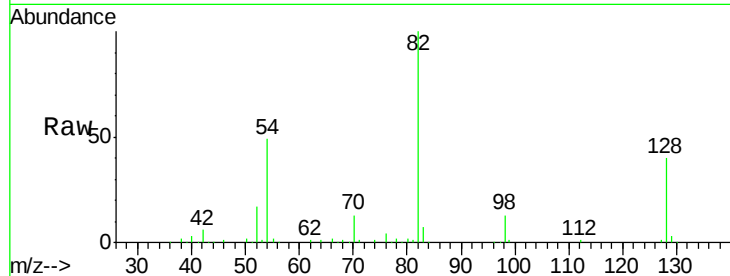




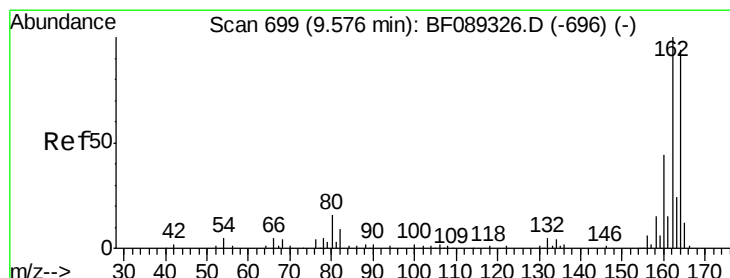
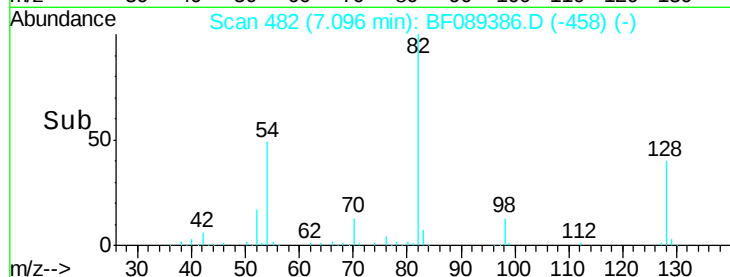
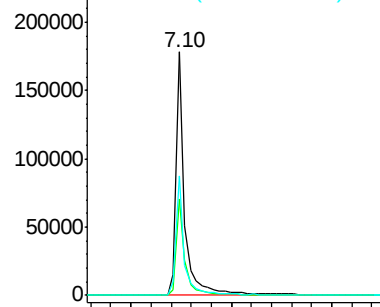
#23
 Nitrobenzene-d5
 Concen: 73.61 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089386.D
 Acq: 29 Jul 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-4(LOT112)0-1

Tgt Ion: 82 Resp: 215008
 Ion Ratio Lower Upper
 82 100
 128 39.8 32.5 48.7
 54 49.2 38.8 58.2

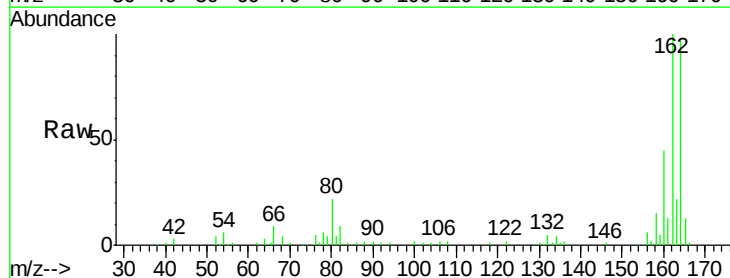


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

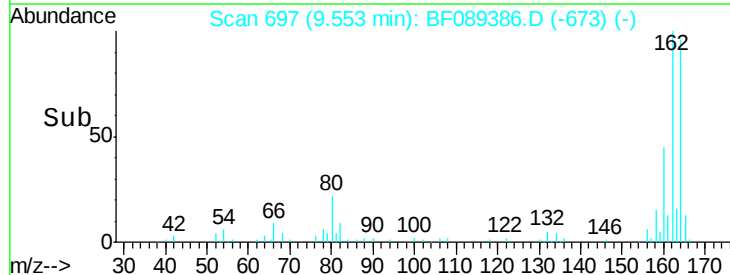
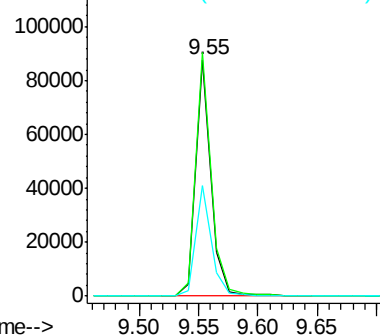


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089386.D
 Acq: 29 Jul 2016 2:35

Tgt Ion: 164 Resp: 77091
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.7 125.5
 160 46.9 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

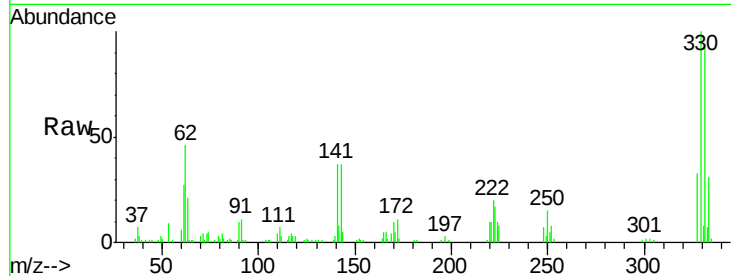




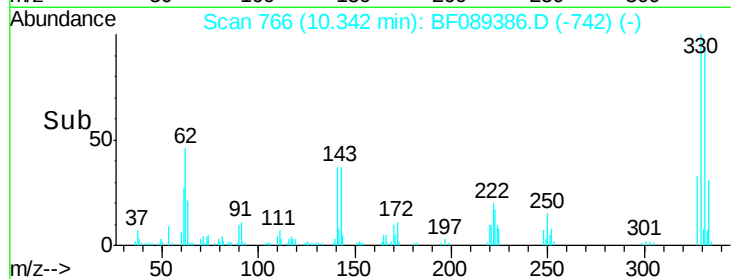
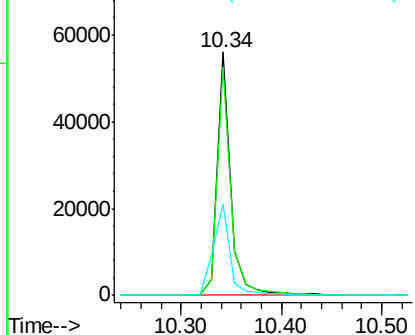
#41
 2,4,6-Tribromophenol
 Concen: 81.68 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089386.D
 Acq: 29 Jul 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-4(LOT112)0-1

Tgt Ion:330 Resp: 52151
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.8 115.2
 141 46.2 37.3 55.9

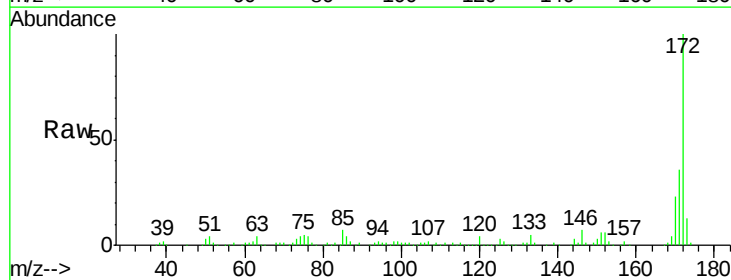


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

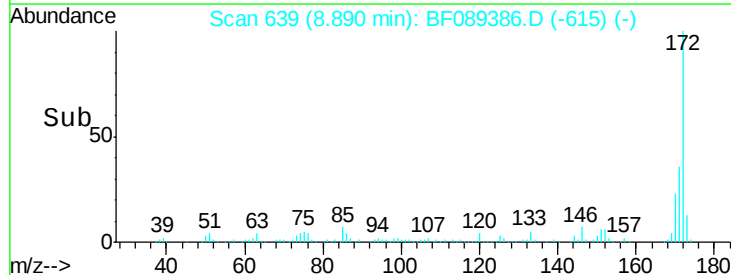
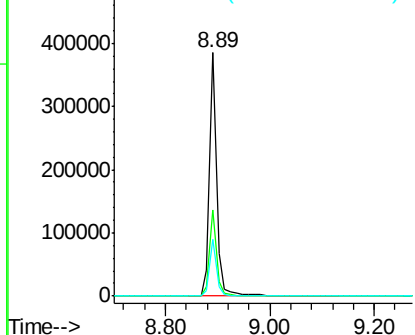


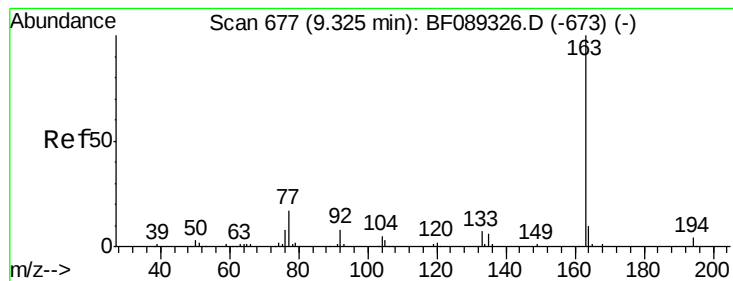
#44
 2-Fluorobiphenyl
 Concen: 70.03 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089386.D
 Acq: 29 Jul 2016 2:35

Tgt Ion:172 Resp: 367862
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 23.3 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: 16.12 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

Instrument :

BNA_F

ClientSampleId :

SP-4(LOT112)0-1

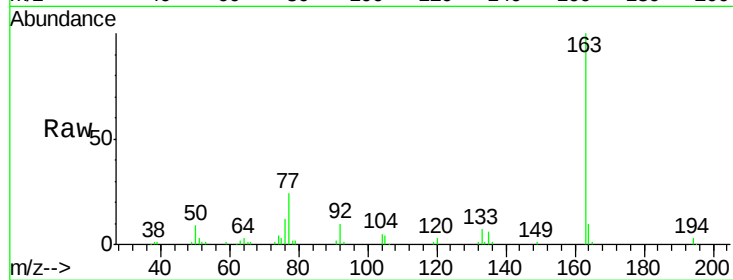
Tgt Ion:163 Resp: 94568

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

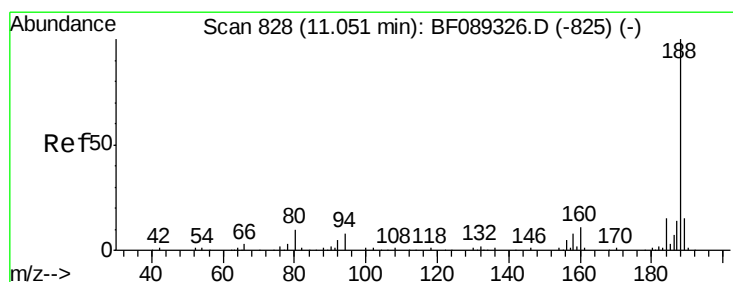
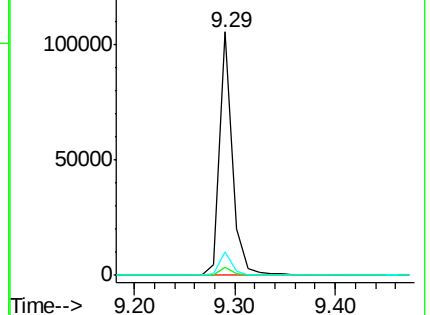
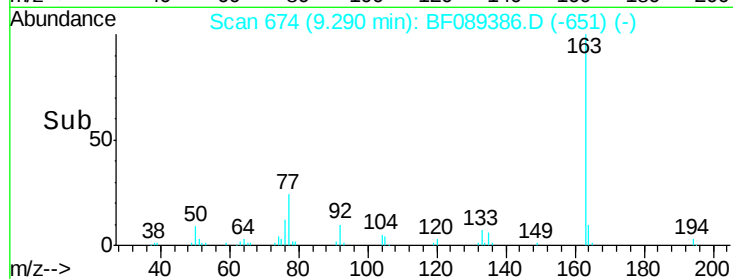
164 9.9 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

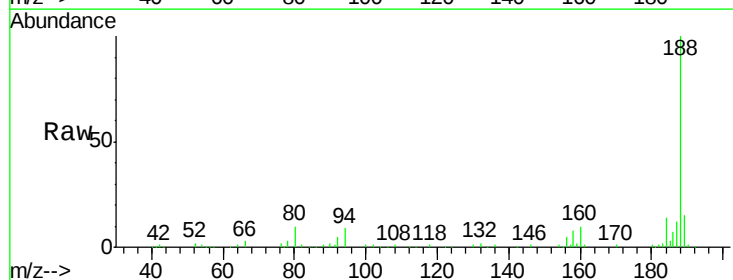
Tgt Ion:188 Resp: 122481

Ion Ratio Lower Upper

188 100

94 8.7 6.5 9.7

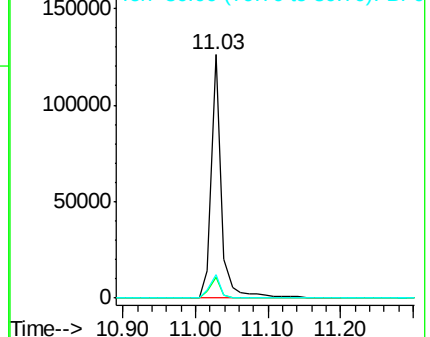
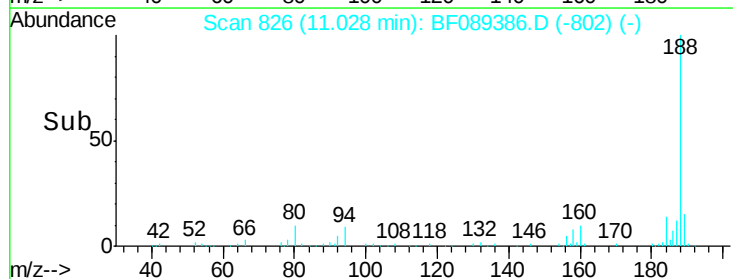
80 9.5 7.2 10.8

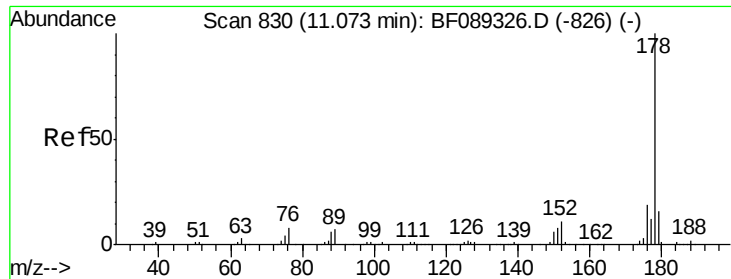


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

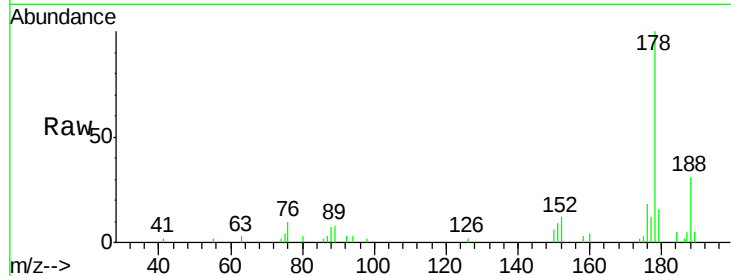




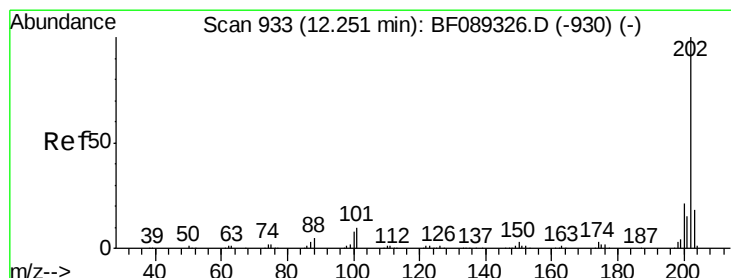
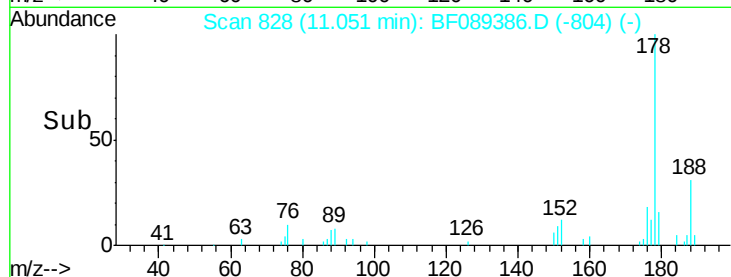
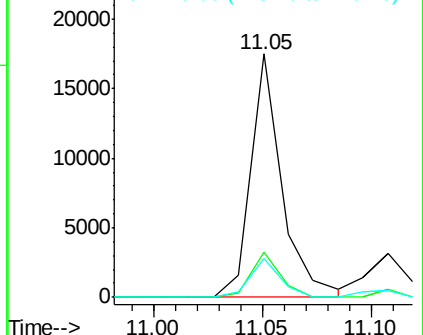
#70
Phenanthrene
Concen: 2.77 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:178 Resp: 17468
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.7 12.3 18.5

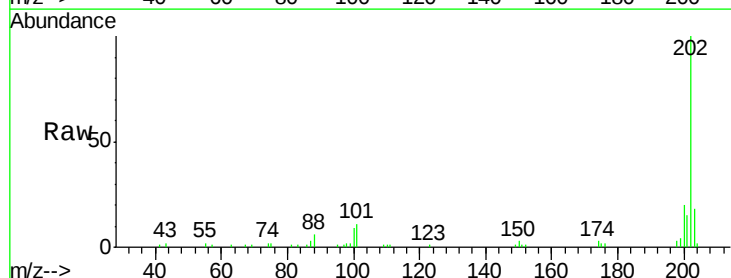


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

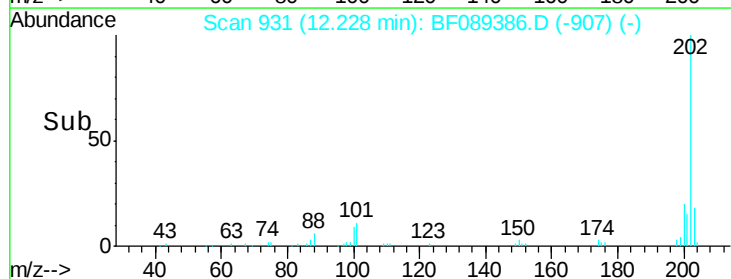
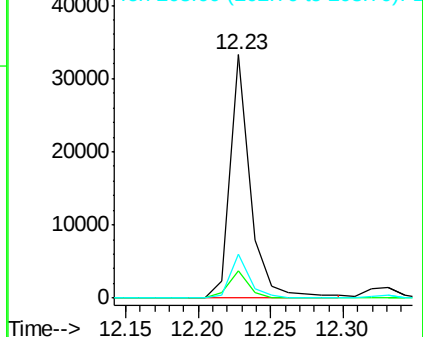


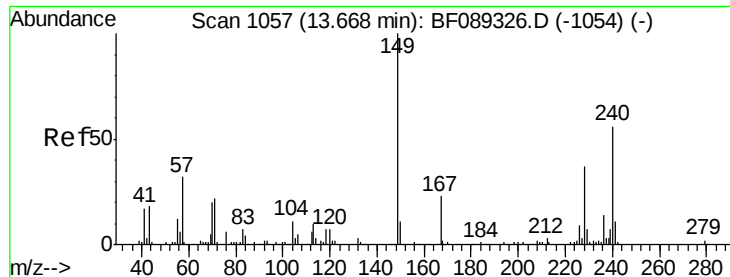
#74
Fluoranthene
Concen: 4.88 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:202 Resp: 32457
Ion Ratio Lower Upper
202 100
101 11.5 0.0 29.9
203 17.8 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: BF089386.D

Acq: 29 Jul 2016 2:35

Instrument :

BNA_F

ClientSampleId :

SP-4(LOT112)0-1

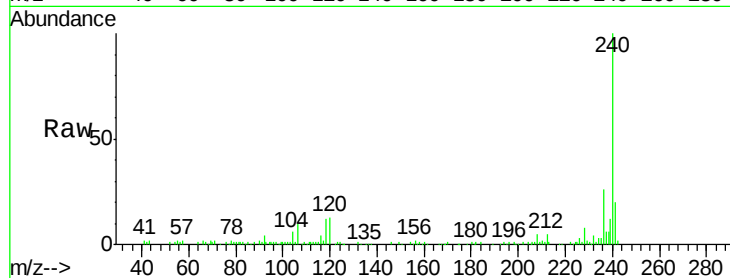
Tgt Ion:240 Resp: 95654

Ion Ratio Lower Upper

240 100

120 13.0 9.1 13.7

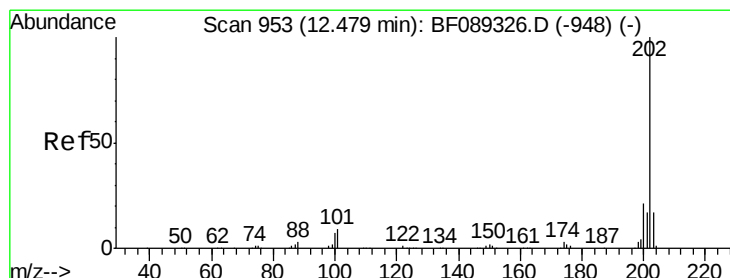
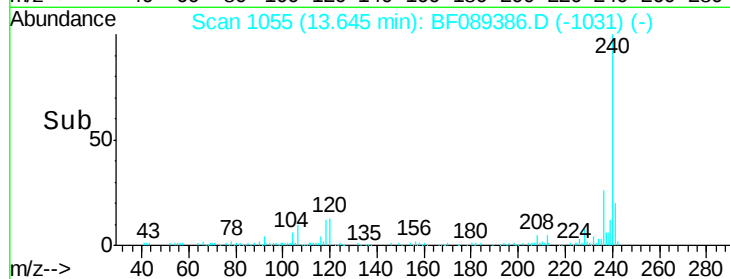
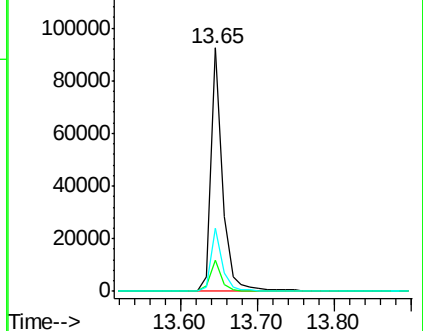
236 26.0 20.6 30.8



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



#77

Pyrene

Concen: 4.24 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

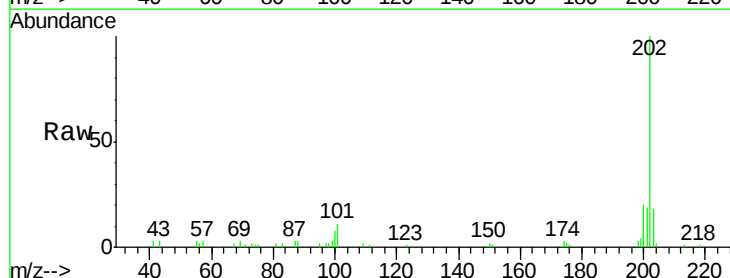
Tgt Ion:202 Resp: 30771

Ion Ratio Lower Upper

202 100

200 20.2 16.9 25.3

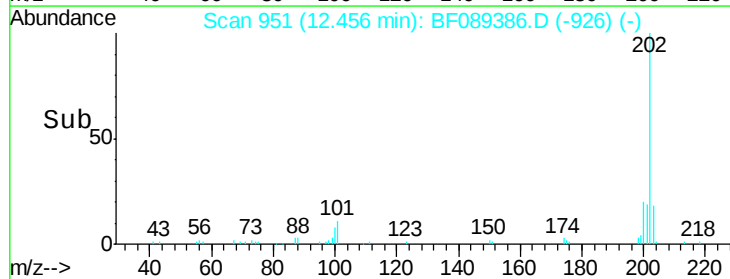
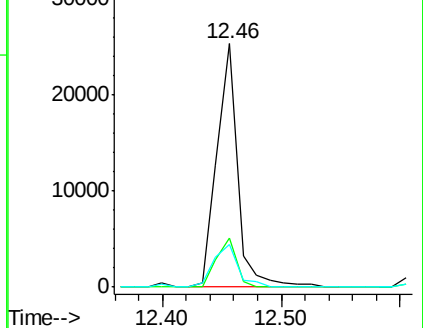
203 17.5 14.0 21.0

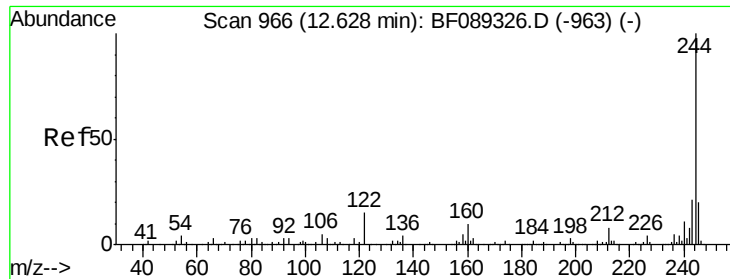


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

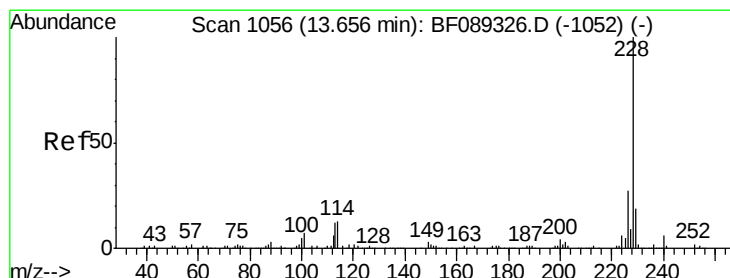
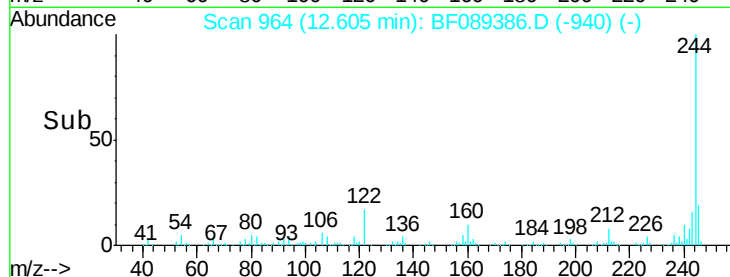
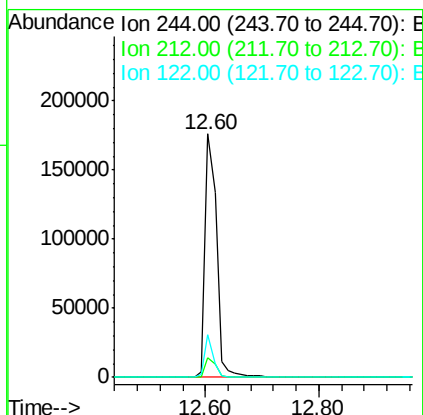
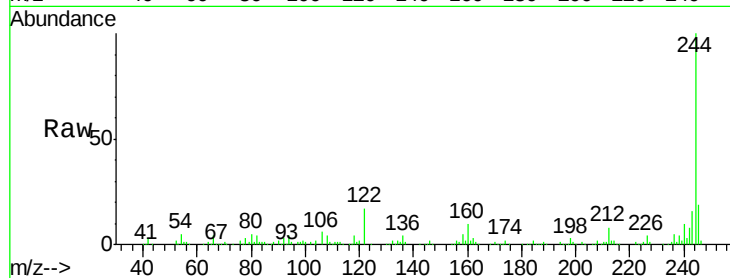




#78
 Terphenyl-d14
 Concen: 57.29 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089386.D
 Acq: 29 Jul 2016 2:35

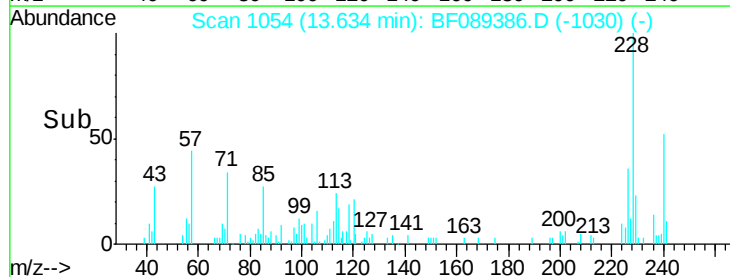
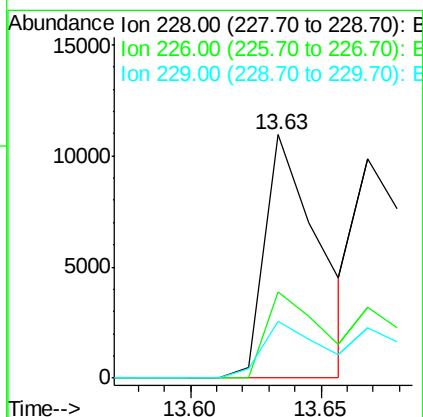
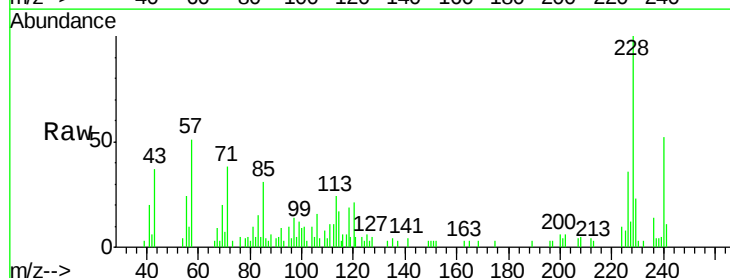
Instrument :
 BNA_F
 ClientSampleId :
 SP-4(LOT112)0-1

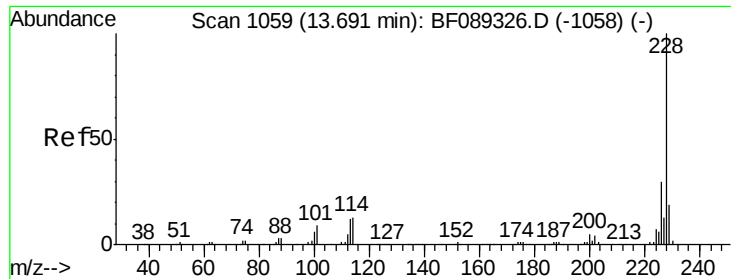
Tgt Ion:244 Resp: 234146
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 17.4 11.4 17.0#



#80
 Benzo(a)anthracene
 Concen: 2.91 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089386.D
 Acq: 29 Jul 2016 2:35

Tgt Ion:228 Resp: 15727
 Ion Ratio Lower Upper
 228 100
 226 35.7 21.4 32.2#
 229 23.4 15.9 23.9





#82

Chrysene

Concen: 2.43 ng m

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

Instrument :

BNA_F

ClientSampleId :

SP-4(LOT112)0-1

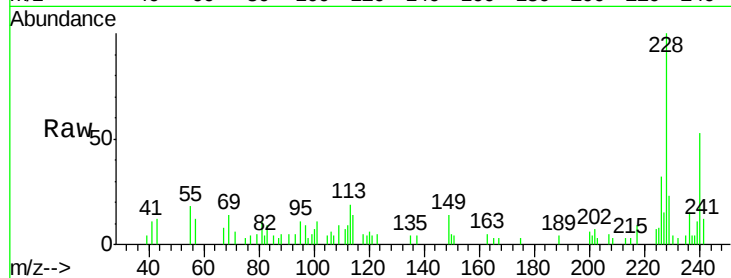
Tgt Ion:228 Resp: 13940

Ion Ratio Lower Upper

228 100

226 32.2 24.2 36.2

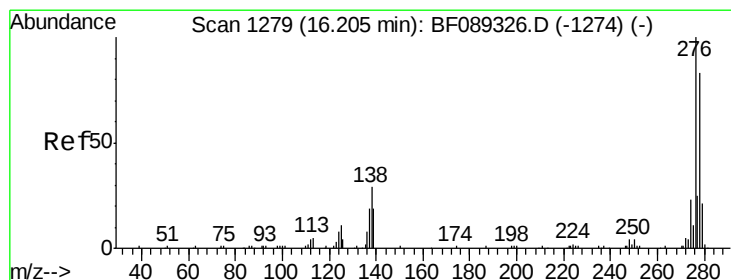
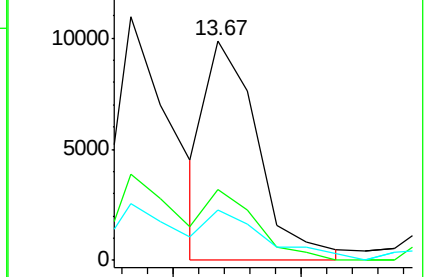
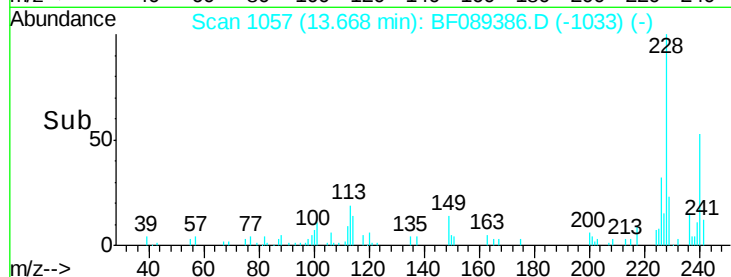
229 22.7 15.9 23.9



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: 2.15 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

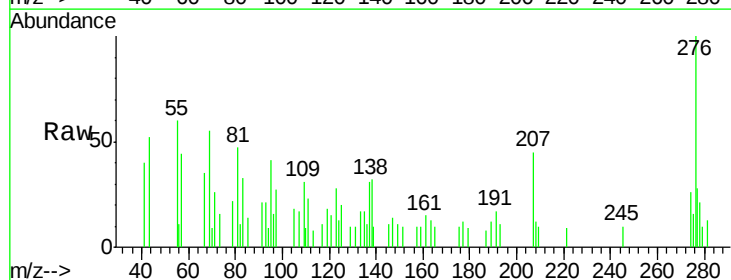
Tgt Ion:276 Resp: 8784

Ion Ratio Lower Upper

276 100

138 28.4 23.0 34.4

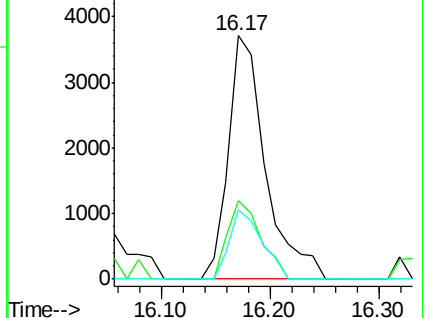
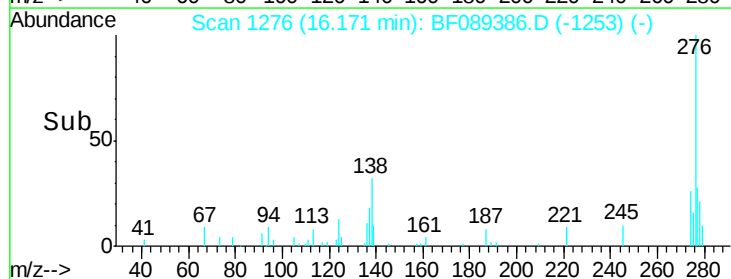
277 24.8 20.2 30.4

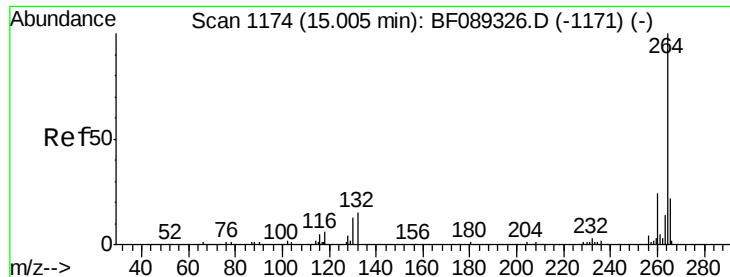


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

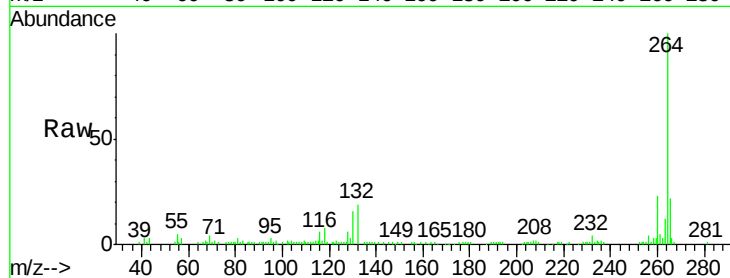




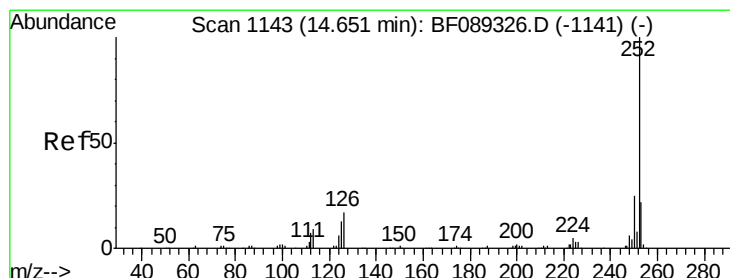
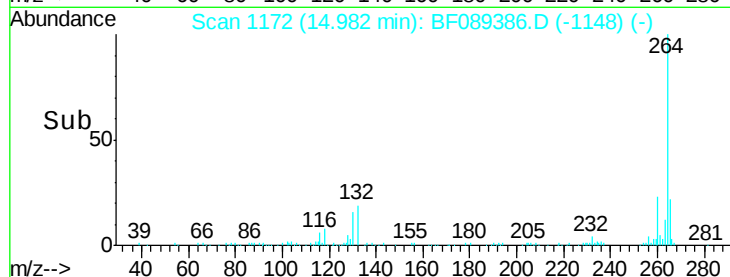
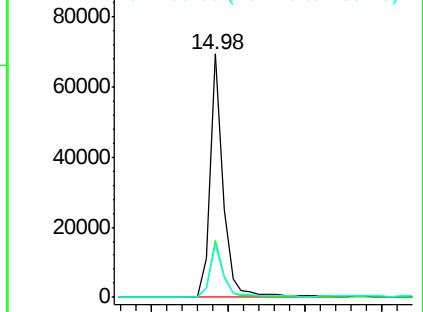
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:264 Resp: 81315
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 21.7 17.5 26.3

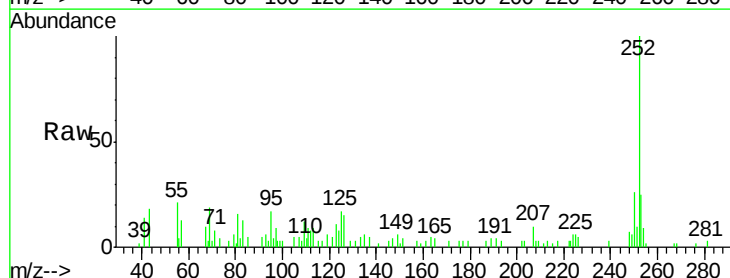


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

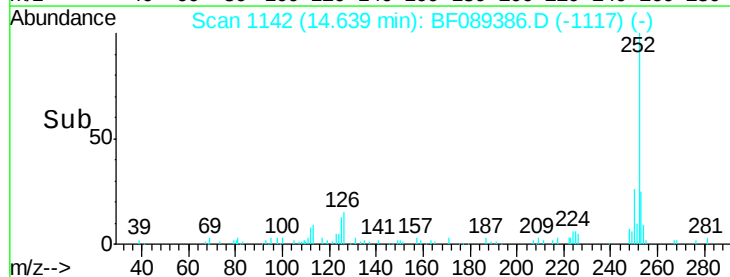
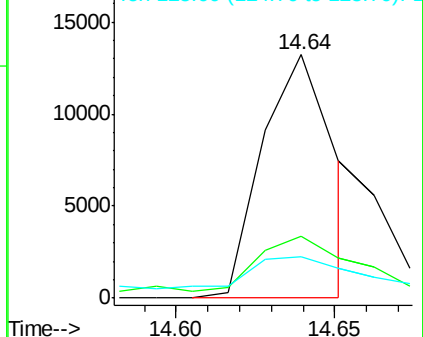


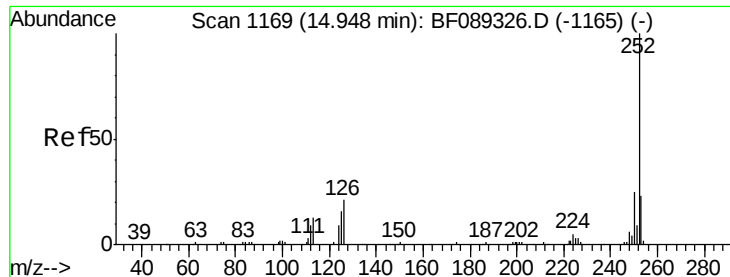
#87
Benzo(b)fluoranthene
Concen: 4.09 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:252 Resp: 20645
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 16.9 9.7 14.5#



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





#89

Benzo(a)pyrene

Concen: 3.10 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

Instrument :

BNA_F

ClientSampleId :

SP-4(LOT112)0-1

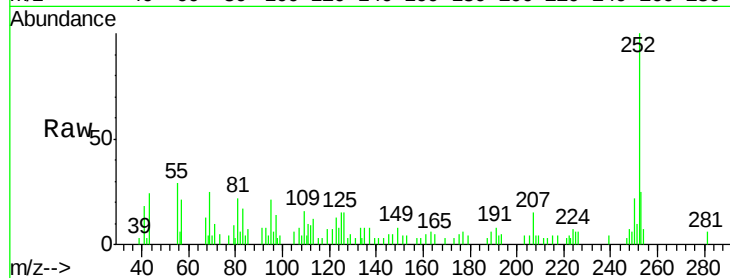
Tgt Ion: 252 Resp: 14055

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.2

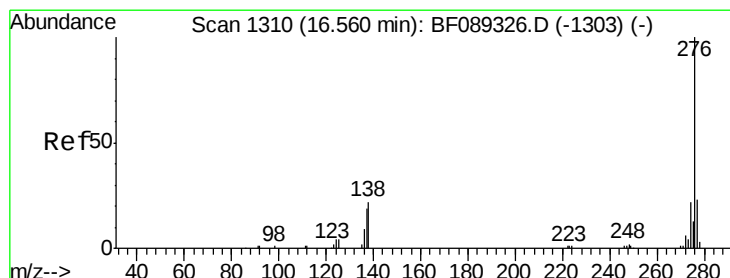
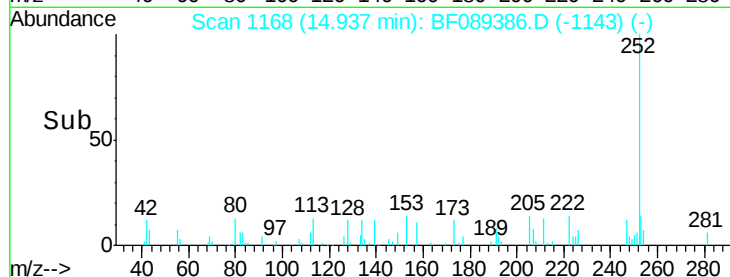
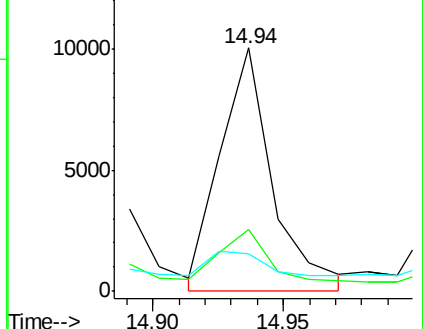
125 15.2 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.44 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089386.D

Acq: 29 Jul 2016 2:35

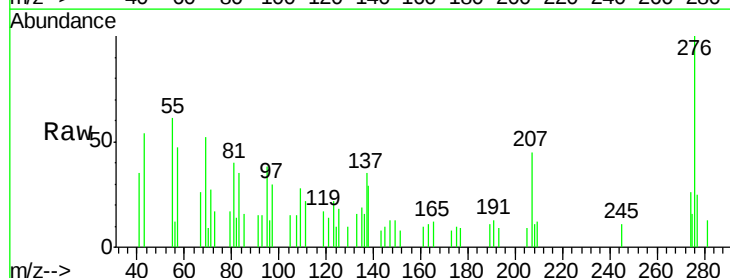
Tgt Ion: 276 Resp: 8558

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 29.0 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

