

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089385.D
 Acq On : 29 Jul 2016 2:06
 Operator : UM/SJ
 Sample : H4216-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(LOT109)0-1

Quant Time: Jul 29 03:23:17 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	56117	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	212509	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	98090	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	148129	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	113544	20.00	ng	-0.02
86) Perylene-d12	14.98	264	101805	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	318842	90.72	ng	0.00
7) Phenol-d6	6.18	99	410414	88.36	ng	-0.02
23) Nitrobenzene-d5	7.10	82	262409	72.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	64579	79.49	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	447716	66.98	ng	-0.02
78) Terphenyl-d14	12.60	244	280010	57.72	ng	-0.02

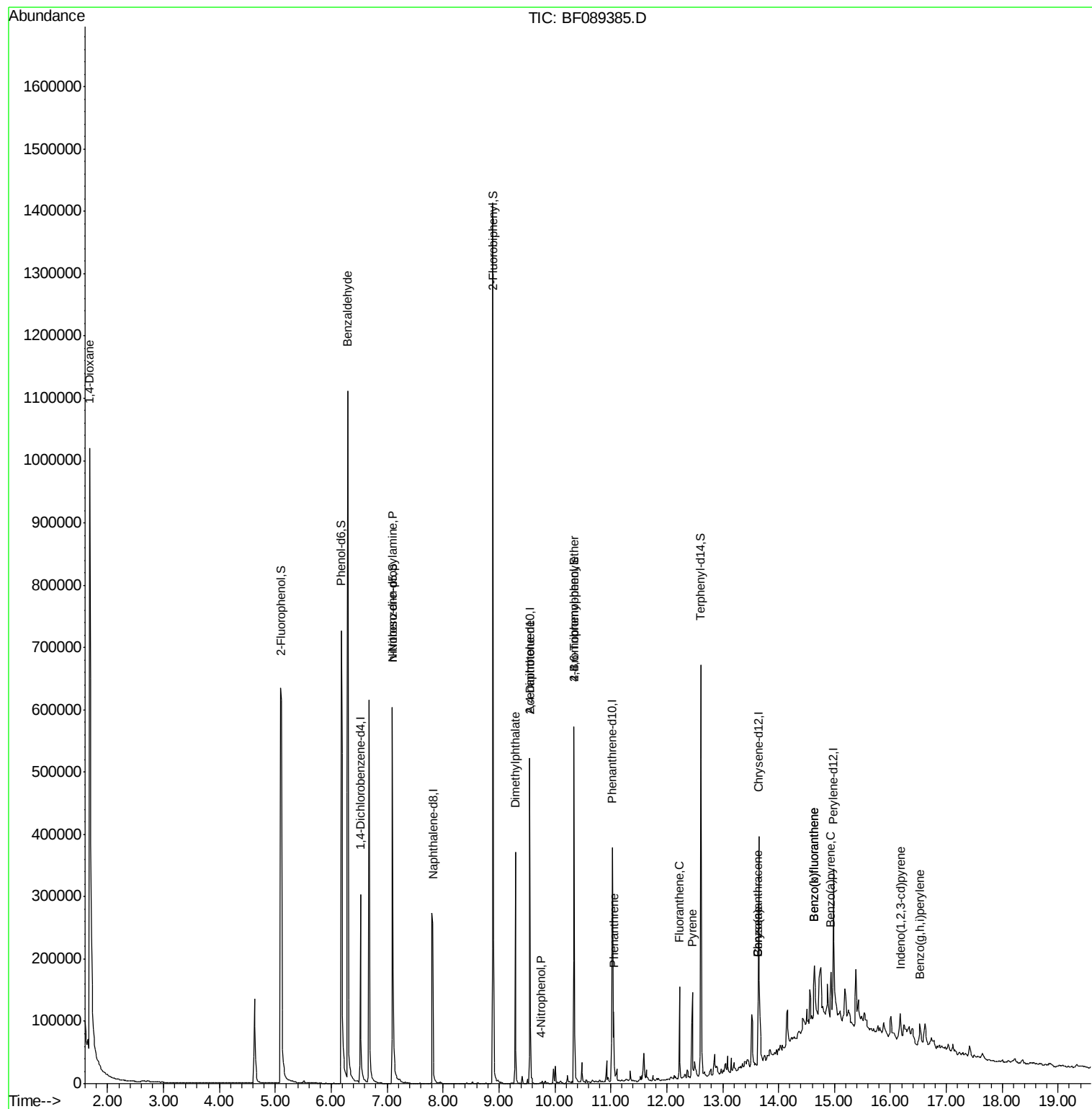
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	48619	29.62	ng	# 26
9) Benzaldehyde	6.30	77	8487	3.74	ng	84
19) n-Nitroso-di-n-propylamine	7.10	70	34348	12.26	ng	# 81
49) Dimethylphthalate	9.29	163	139554	18.69	ng	98
55) 4-Nitrophenol	9.76	139	534	6.81	ng	# 4
56) 2,4-Dinitrotoluene	9.55	165	12422	6.15	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	4962	3.51	ng	# 1
70) Phenanthrene	11.05	178	39757	5.20	ng	99
74) Fluoranthene	12.23	202	59990	7.46	ng	98
77) Pyrene	12.46	202	59380	6.90	ng	99
80) Benzo(a)anthracene	13.63	228	25964	4.05	ng	# 82
82) Chrysene	13.63	228	25964	3.81	ng	# 86
85) Indeno(1,2,3-cd)pyrene	16.18	276	25720	5.30	ng	93
87) Benzo(b)fluoranthene	14.64	252	54329	8.59	ng	# 95
88) Benzo(k)fluoranthene	14.64	252	54329	9.35	ng	98
89) Benzo(a)pyrene	14.94	252	28939	5.10	ng	95
91) Benzo(g,h,i)perylene	16.53	276	26042	5.93	ng	97

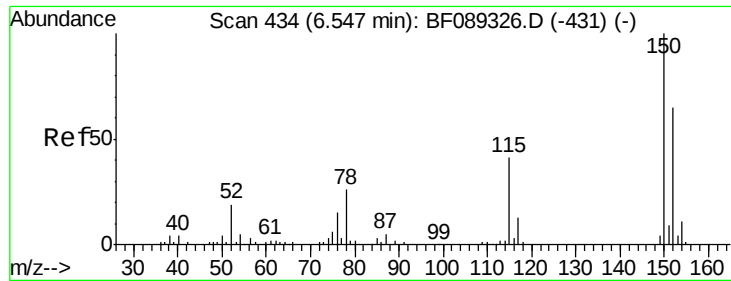
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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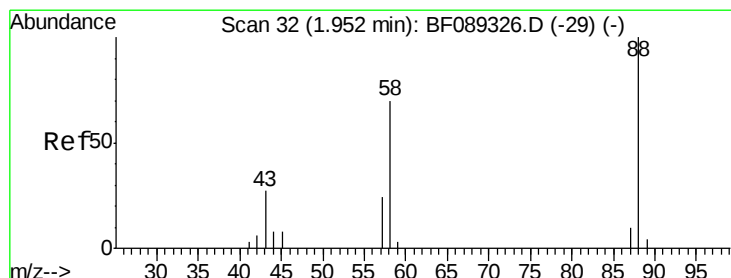
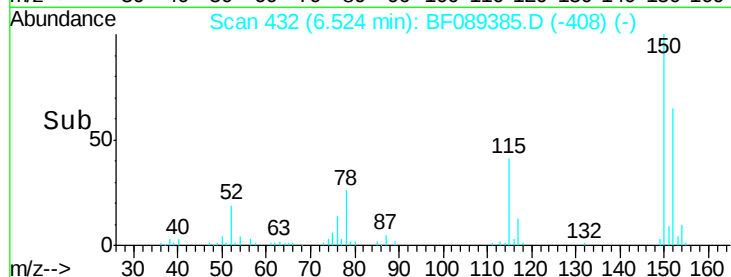
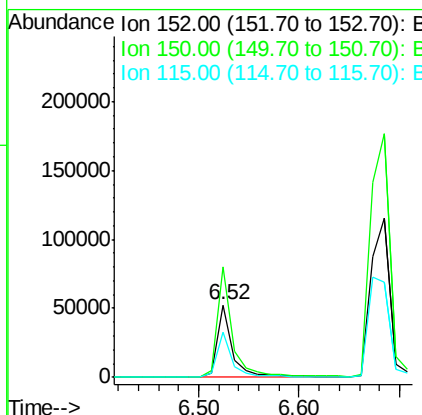
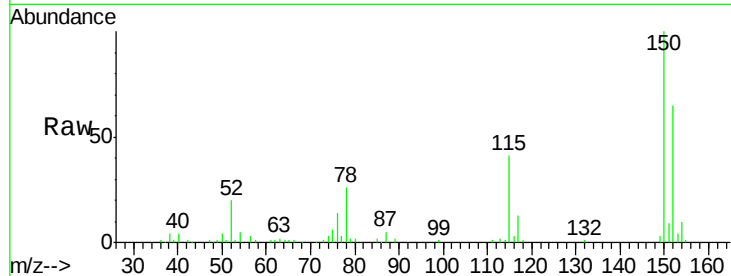




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

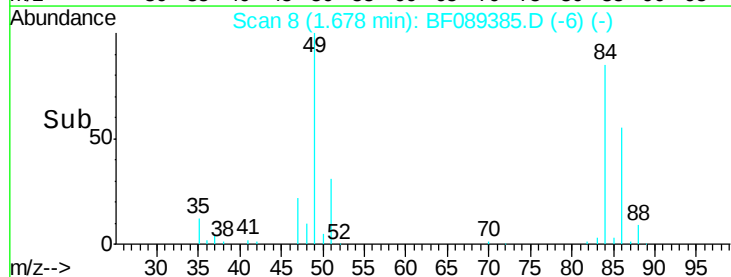
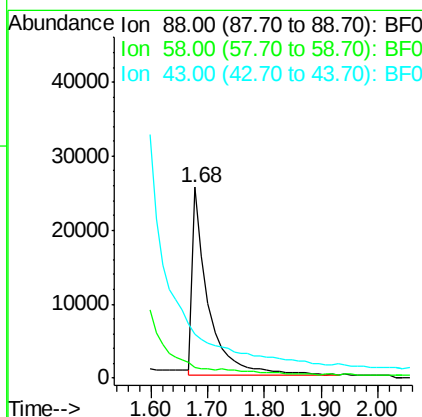
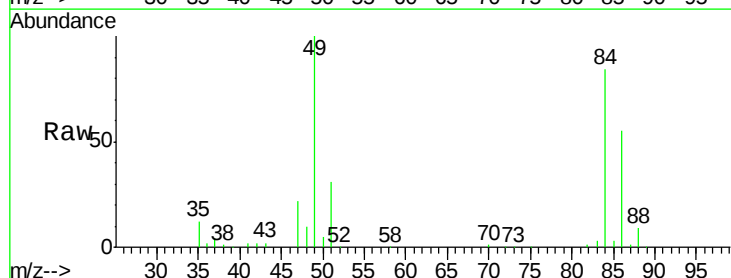
Instrument :
 BNA_F
 ClientSampleId :
 SP-3(LOT109)0-1

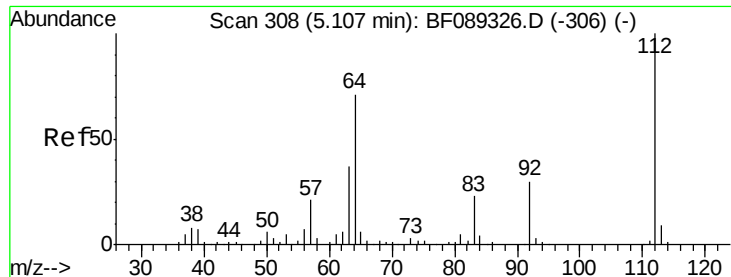
Tgt Ion:152 Resp: 56117
 Ion Ratio Lower Upper
 152 100
 150 153.6 129.5 194.3
 115 62.4 51.4 77.2



#2
 1,4-Dioxane
 Concen: 29.62 ng
 RT: 1.68 min Scan# 8
 Delta R.T. -0.27 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

Tgt Ion: 88 Resp: 48619
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 90.72 ng

RT: 5.11 min Scan# 308

Delta R.T. 0.00 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

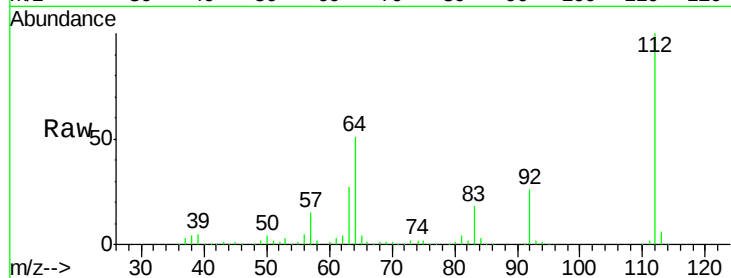
Tgt Ion: 112 Resp: 318842

Ion Ratio Lower Upper

112 100

64 50.6 55.0 82.6#

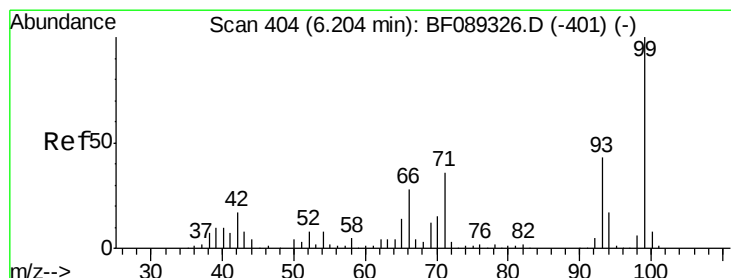
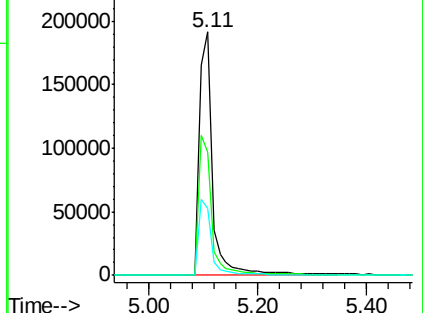
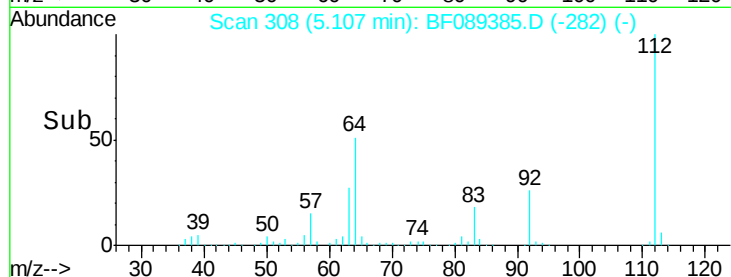
63 27.5 29.4 44.2#



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 88.36 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

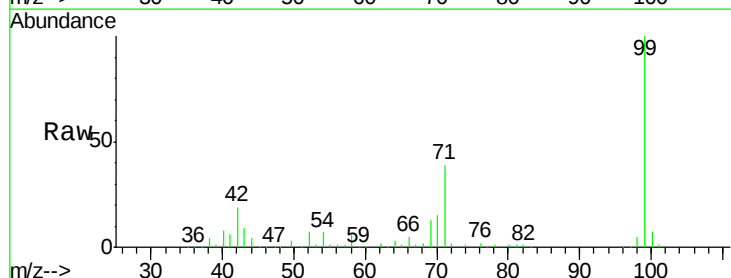
Tgt Ion: 99 Resp: 410414

Ion Ratio Lower Upper

99 100

42 19.4 13.6 20.4

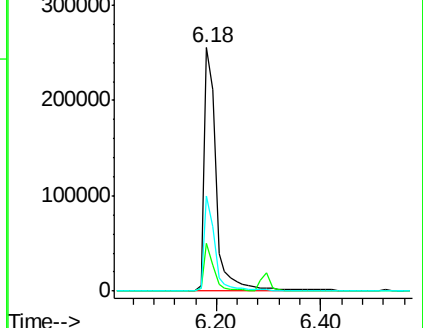
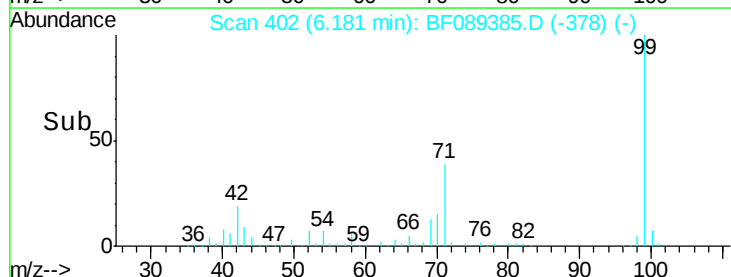
71 38.8 29.4 44.2

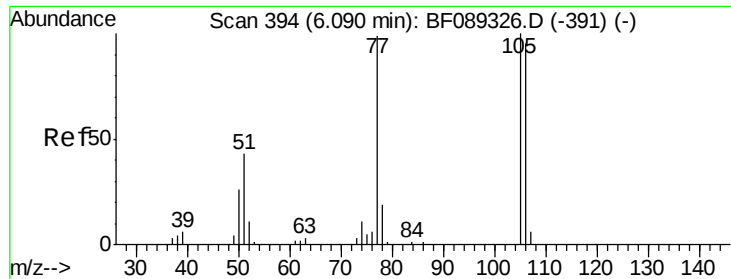


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.74 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.21 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

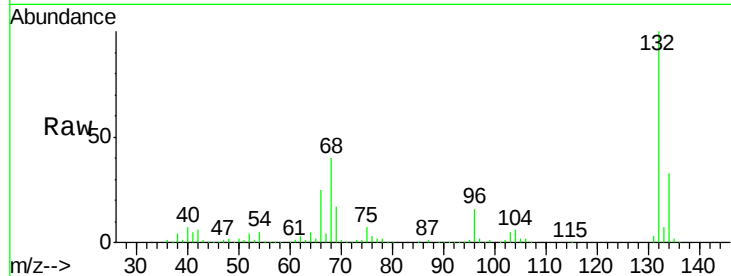
Tgt Ion: 77 Resp: 8487

Ion Ratio Lower Upper

77 100

105 87.7 82.9 122.9

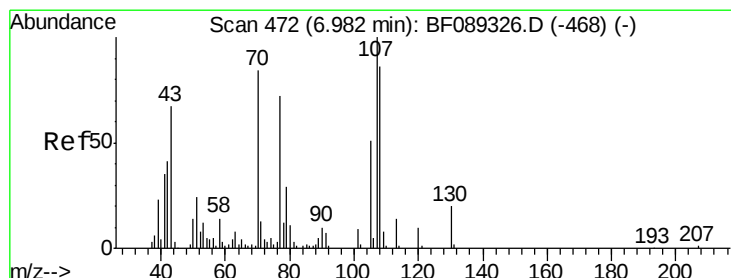
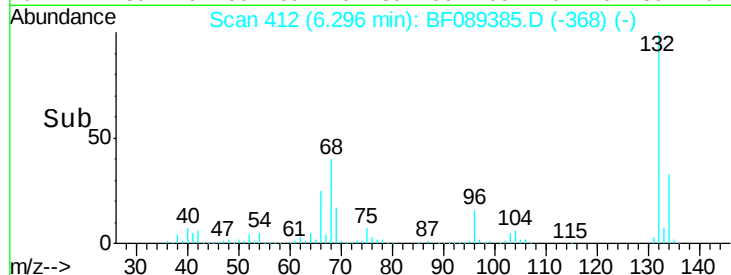
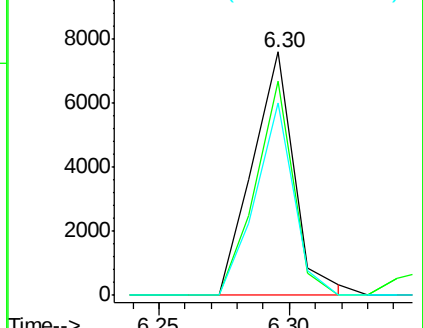
106 79.0 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 12.26 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Tgt Ion: 70 Resp: 34348

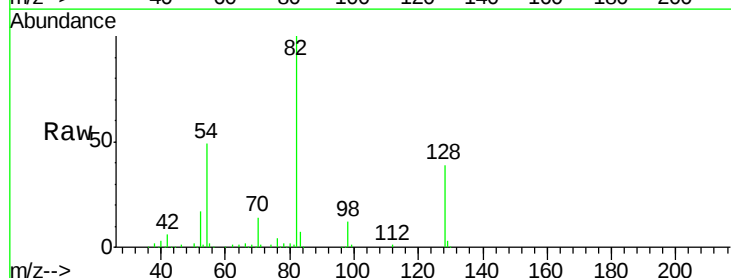
Ion Ratio Lower Upper

70 100

42 45.5 38.6 57.8

101 0.0 8.3 12.5#

130 2.0 19.0 28.4#

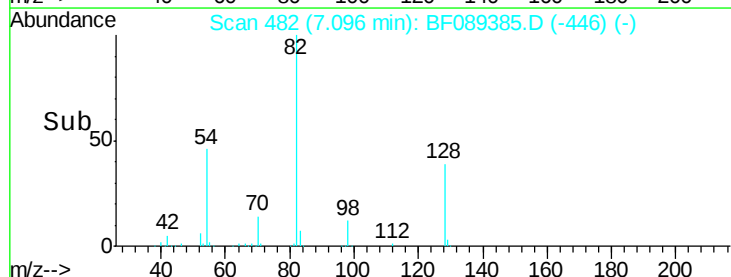
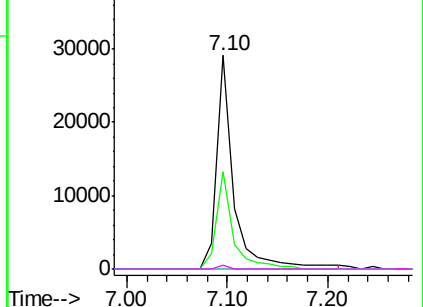


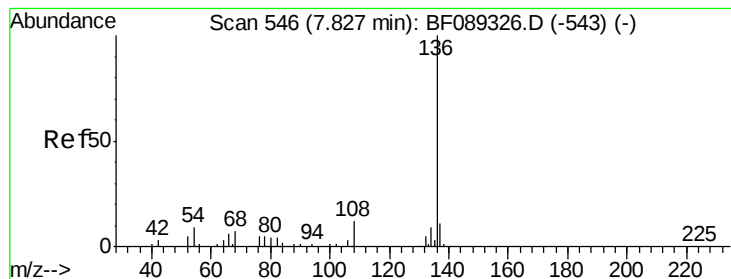
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

Tgt Ion: 136 Resp: 212509

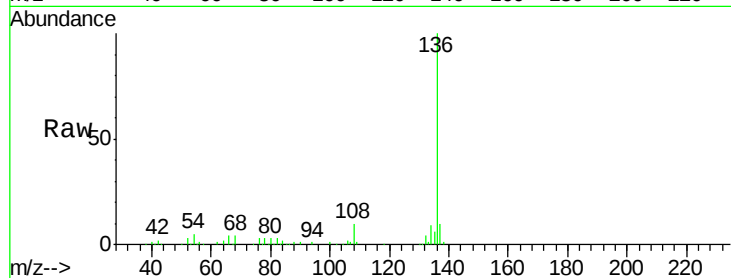
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 5.3 7.0 10.4#

68 4.3 4.9 7.3#



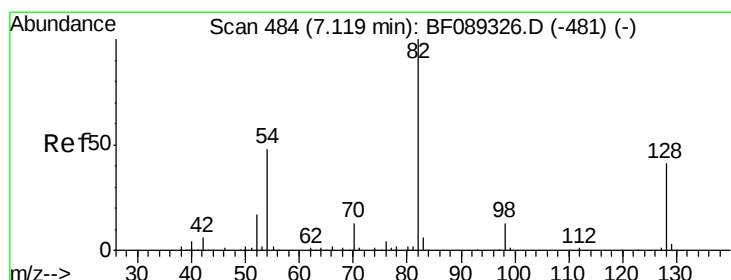
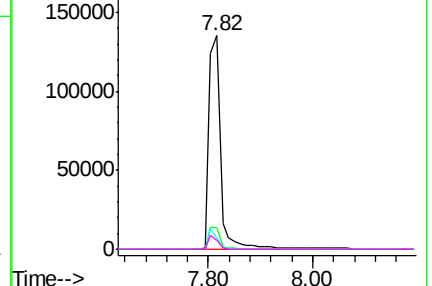
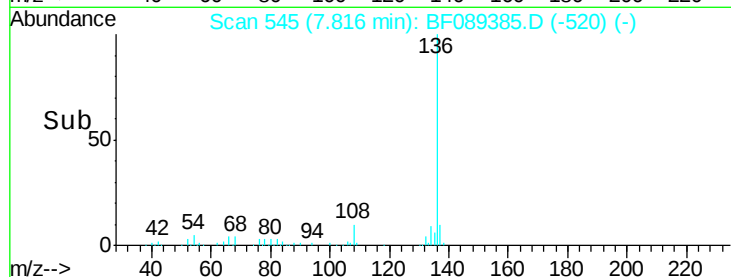
Abundance

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: 72.89 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

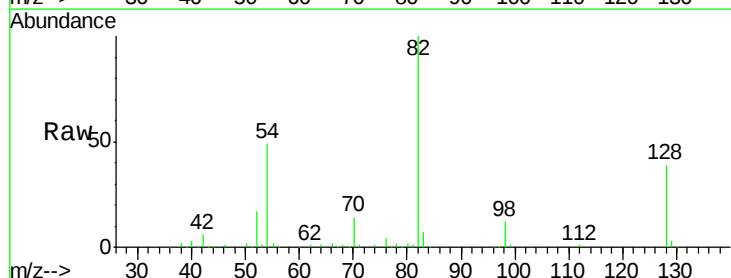
Tgt Ion: 82 Resp: 262409

Ion Ratio Lower Upper

82 100

128 38.7 32.5 48.7

54 48.8 38.8 58.2

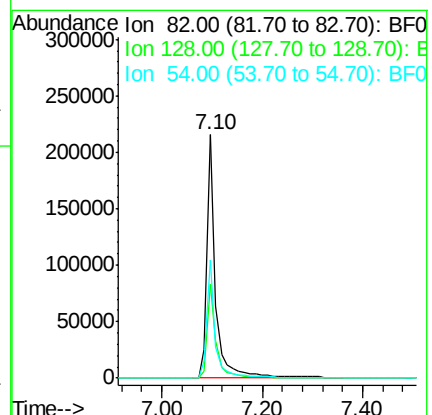
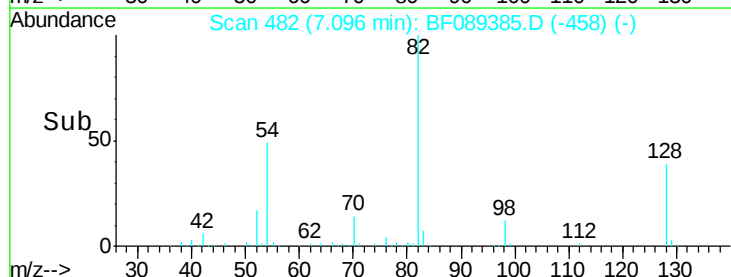


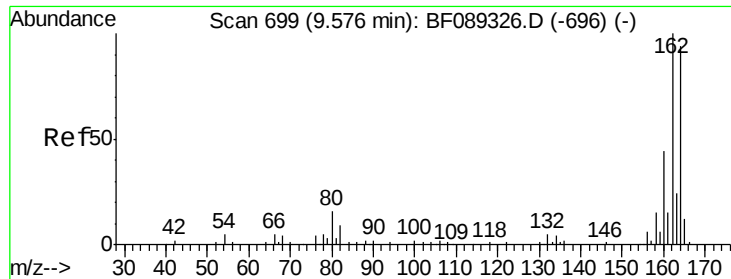
Abundance

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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

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ClientSampleId :

SP-3(LOT109)0-1

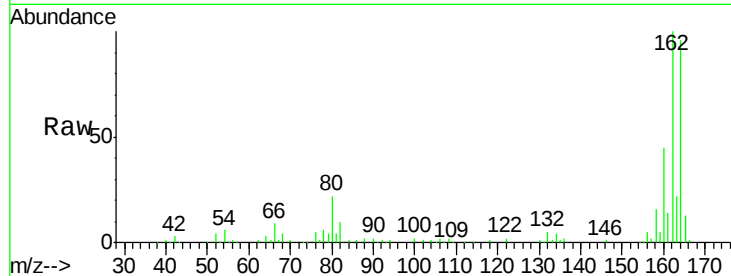
Tgt Ion:164 Resp: 98090

Ion Ratio Lower Upper

164 100

162 104.3 83.7 125.5

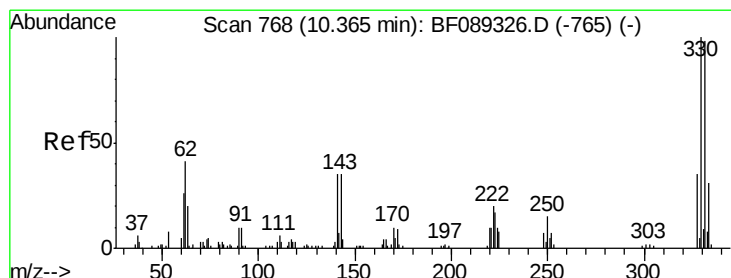
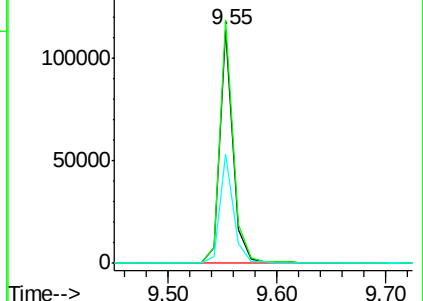
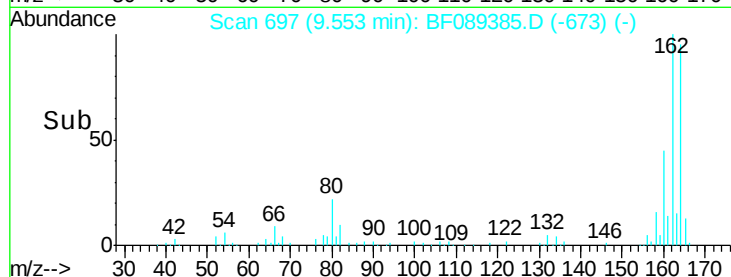
160 46.7 37.8 56.6



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: 79.49 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

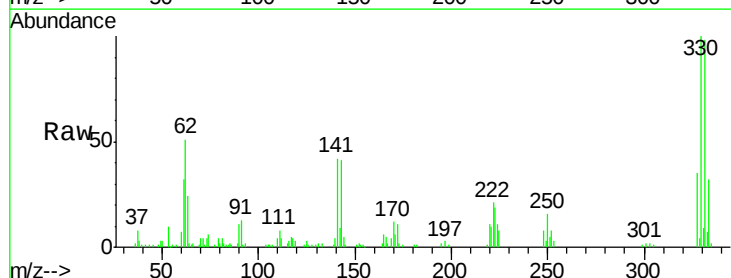
Tgt Ion:330 Resp: 64579

Ion Ratio Lower Upper

330 100

332 97.1 76.8 115.2

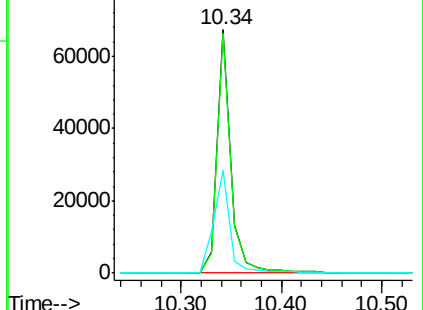
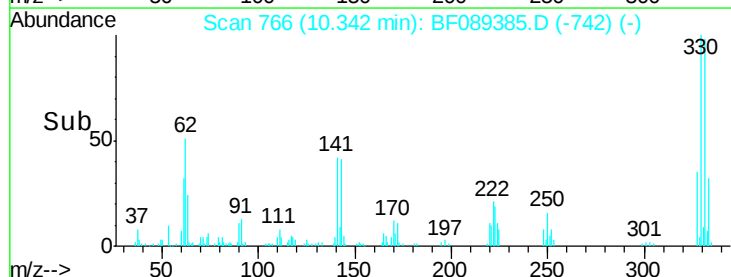
141 48.8 37.3 55.9



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

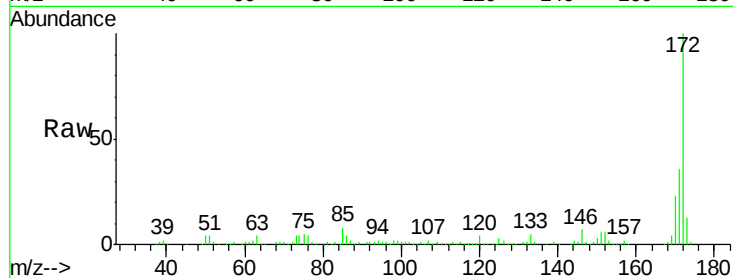




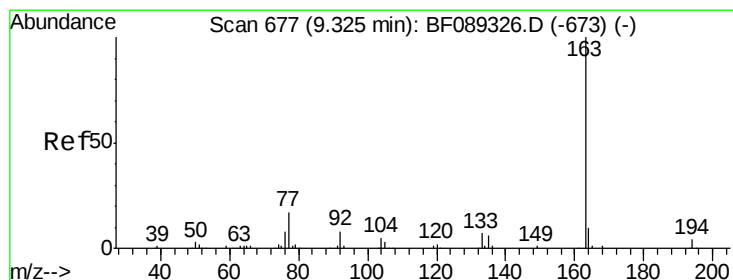
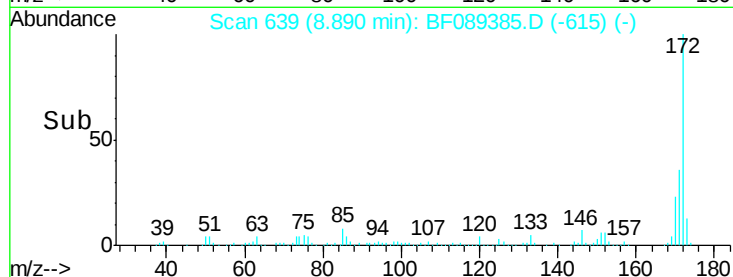
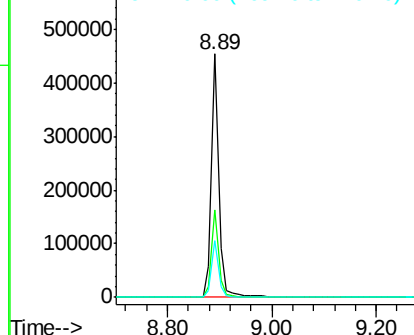
#44
 2-Fluorobiphenyl
 Concen: 66.98 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

Instrument :
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 SP-3(LOT109)0-1

Tgt Ion:172 Resp: 447716
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.3 19.2 28.8

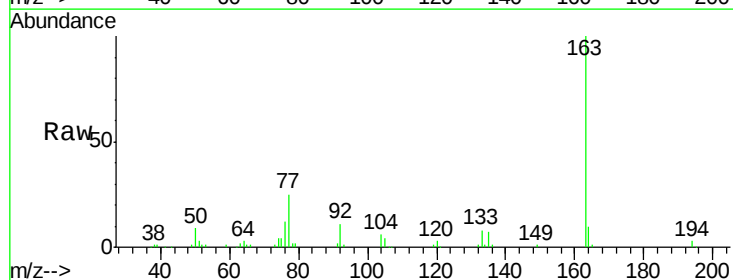


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

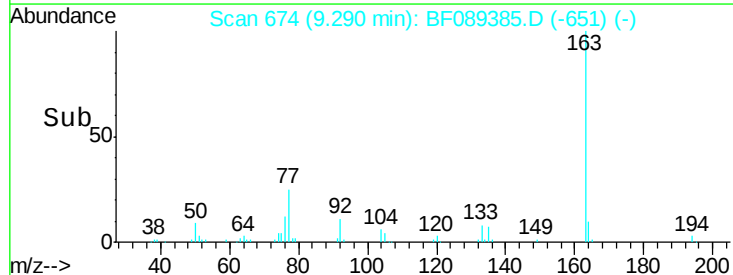
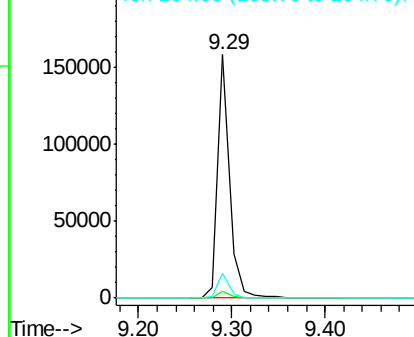


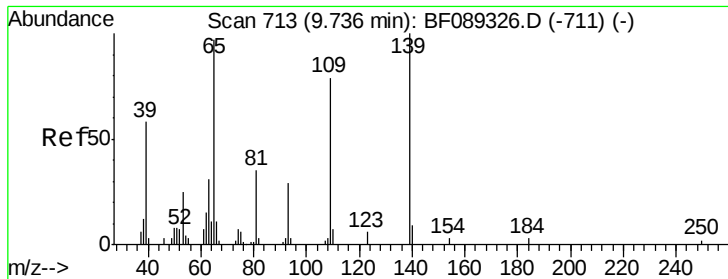
#49
 Dimethylphthalate
 Concen: 18.69 ng
 RT: 9.29 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

Tgt Ion:163 Resp: 139554
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.4 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





#55

4-Nitrophenol

Concen: 6.81 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

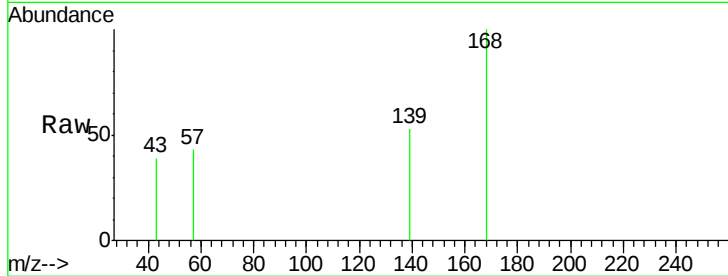
BNA_F

ClientSampleId :

SP-3(LOT109)0-1

Tgt Ion:139 Resp: 534

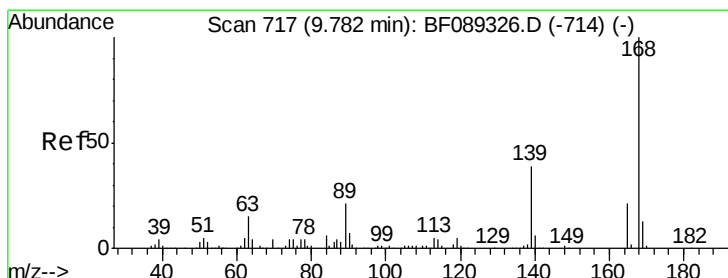
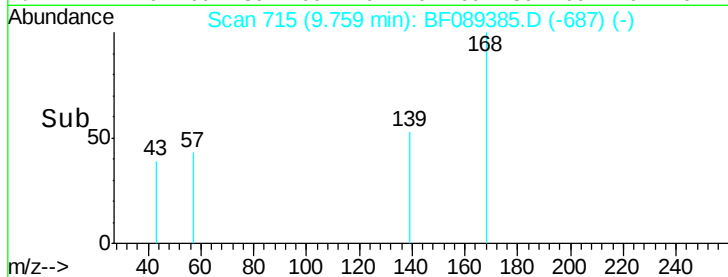
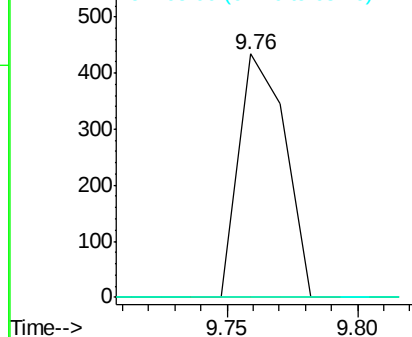
Ion	Ratio	Lower	Upper
139	100		
109	0.0	57.8	97.8#
65	0.0	81.7	121.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.15 ng

RT: 9.55 min Scan# 697

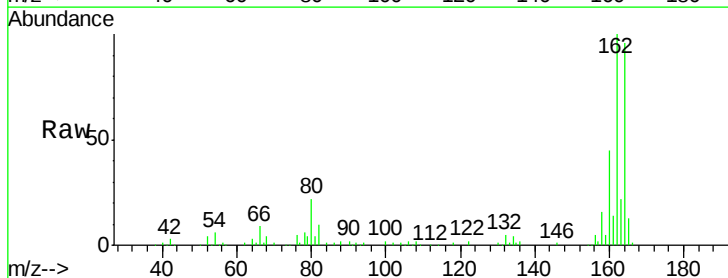
Delta R.T. -0.23 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Tgt Ion:165 Resp: 12422

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#

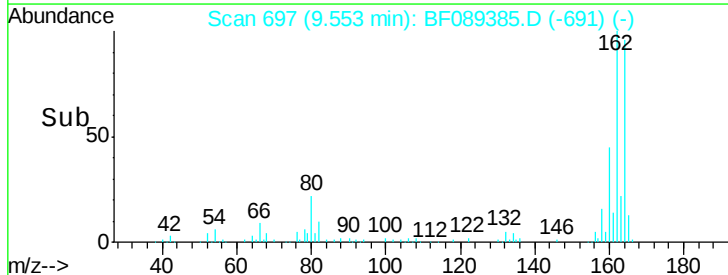
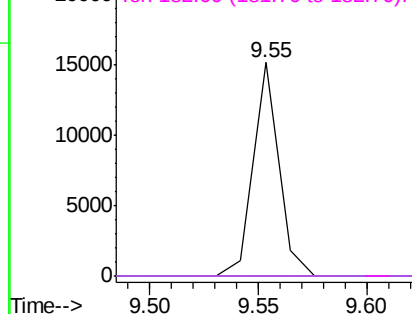


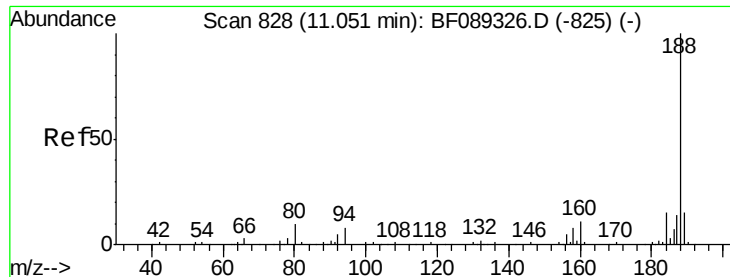
Abundance Ion 165.00 (164.70 to 165.70): E

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

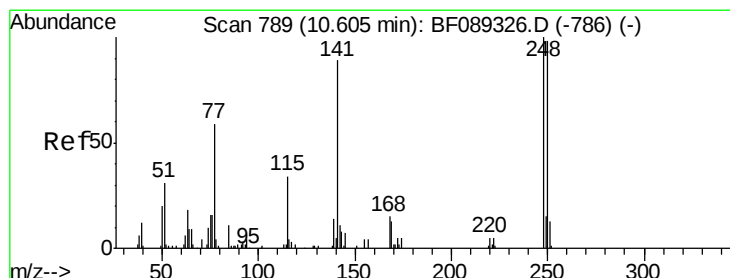
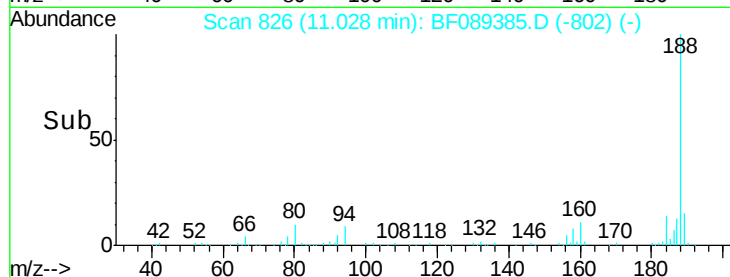
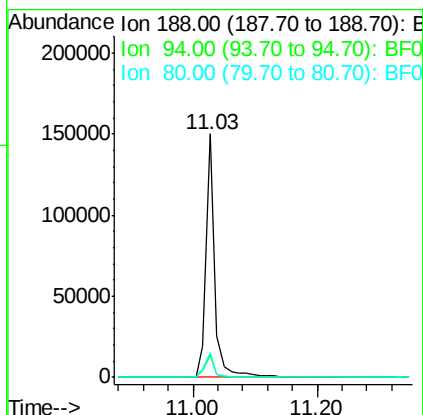
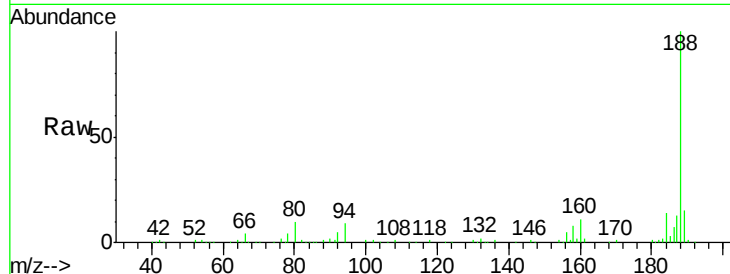




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

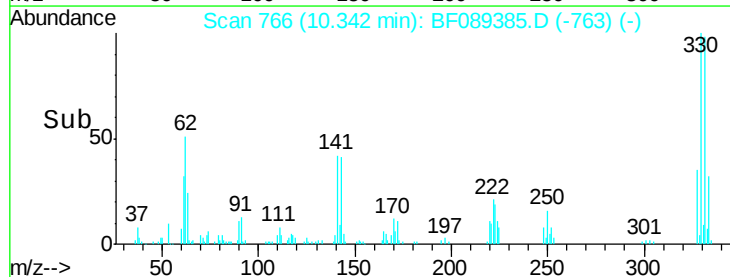
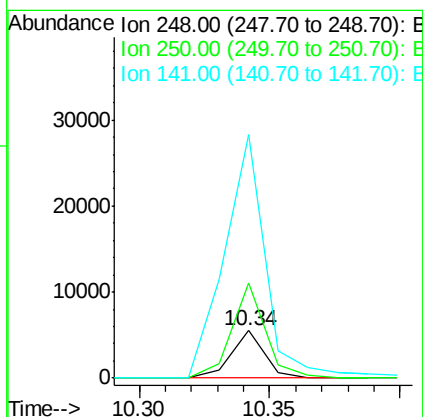
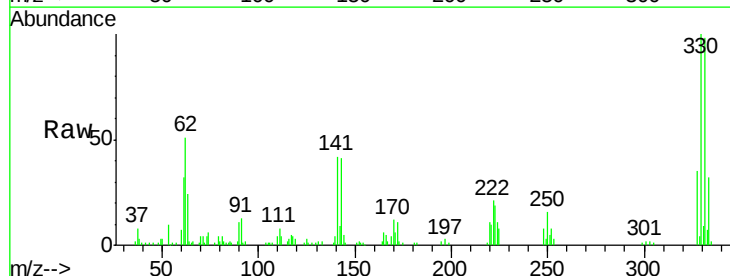
Instrument :
 BNA_F
 ClientSampleId :
 SP-3(LOT109)0-1

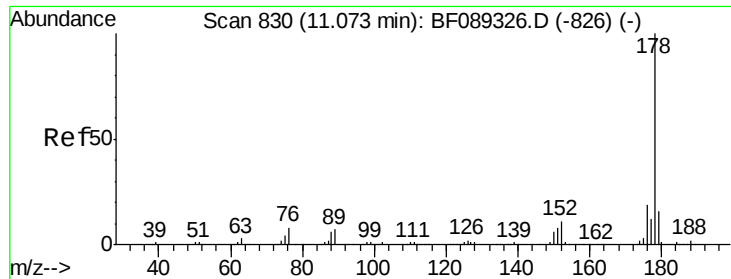
Tgt Ion:188 Resp: 148129
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.5 9.7
 80 10.4 7.2 10.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.51 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

Tgt Ion:248 Resp: 4962
 Ion Ratio Lower Upper
 248 100
 250 198.2 78.2 117.2#
 141 510.5 62.0 93.0#

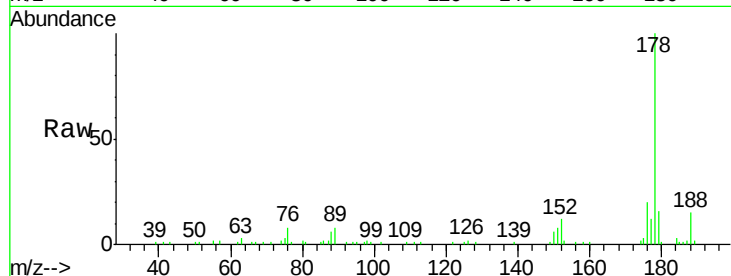




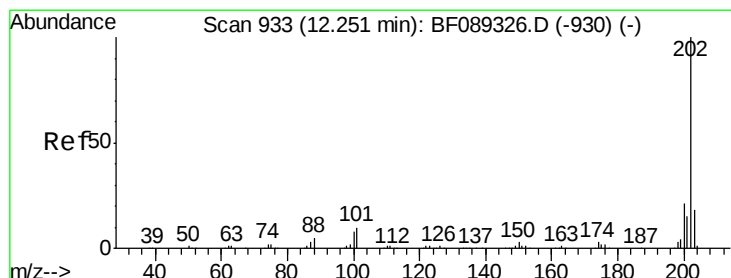
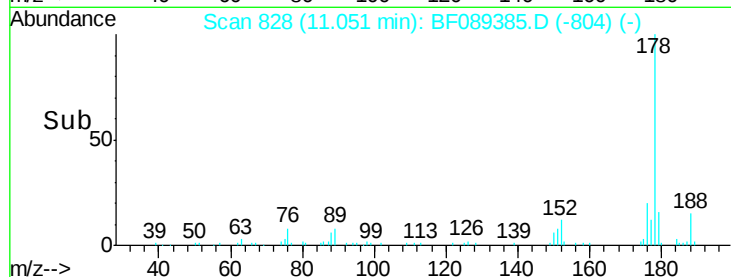
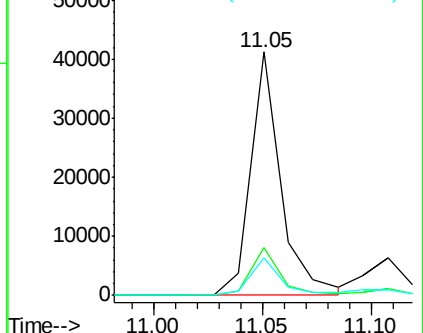
#70
Phenanthrene
Concen: 5.20 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

Instrument :
BNA_F
ClientSampleId :
SP-3(LOT109)0-1

Tgt Ion:178 Resp: 39757
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.6 12.3 18.5

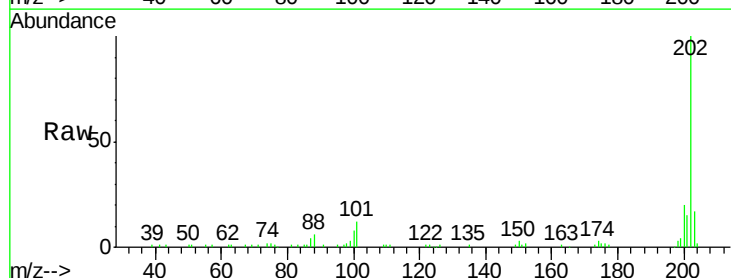


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

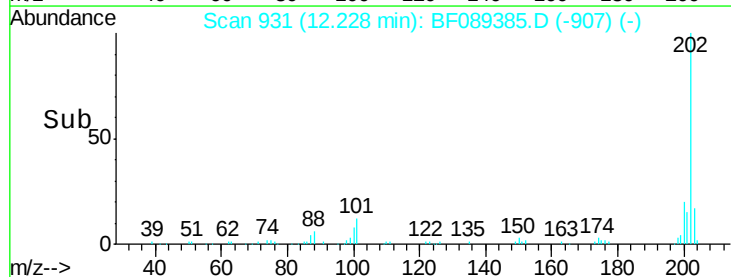
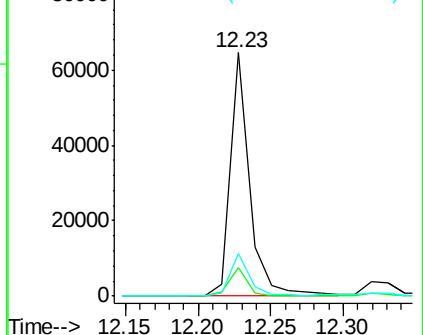


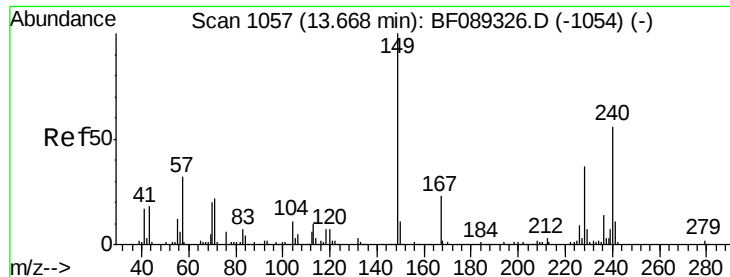
#74
Fluoranthene
Concen: 7.46 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

Tgt Ion:202 Resp: 59990
Ion Ratio Lower Upper
202 100
101 11.5 0.0 29.9
203 17.3 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: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

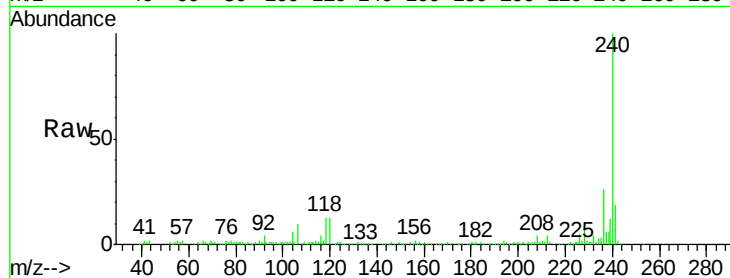
Tgt Ion:240 Resp: 113544

Ion Ratio Lower Upper

240 100

120 13.5 9.1 13.7

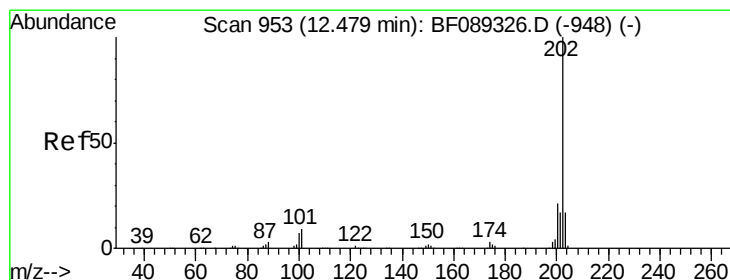
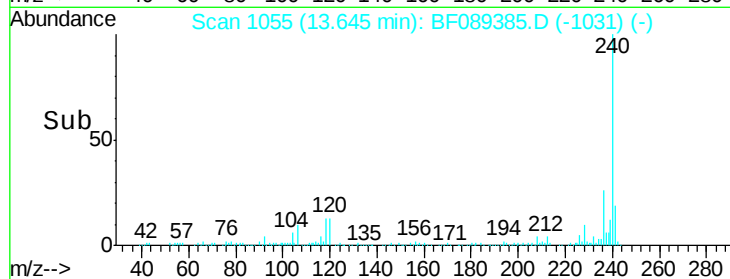
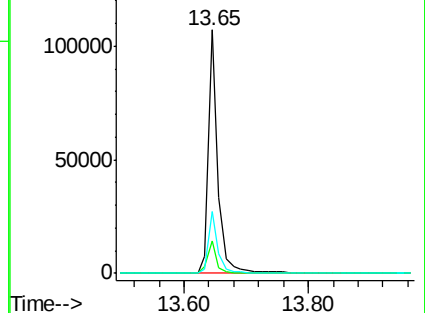
236 25.6 20.6 30.8



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: 6.90 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

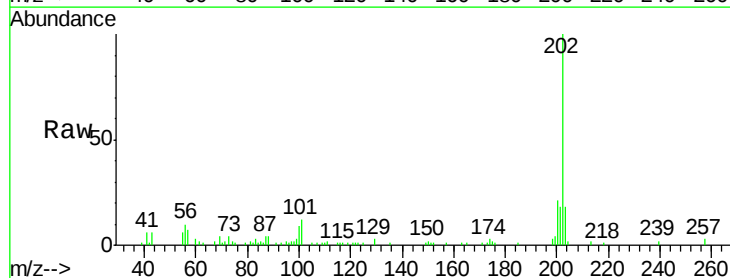
Tgt Ion:202 Resp: 59380

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

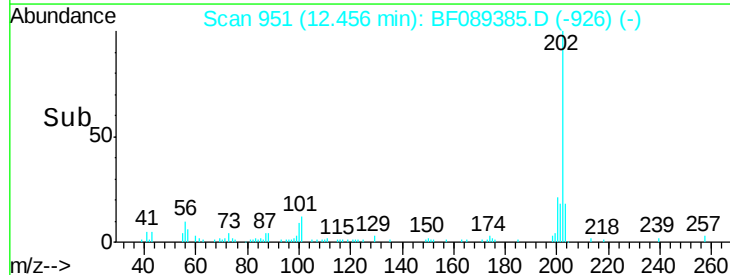
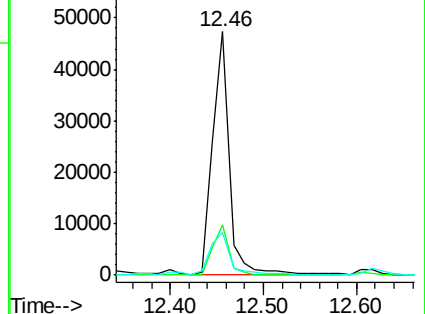
203 17.7 14.0 21.0

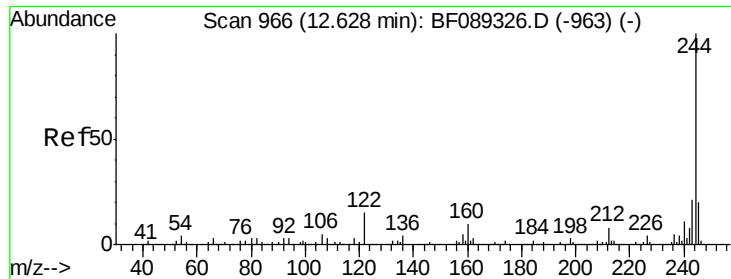


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

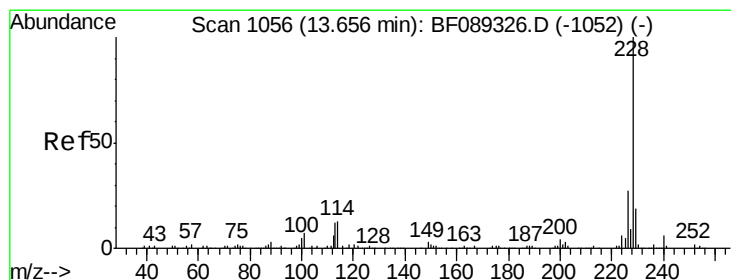
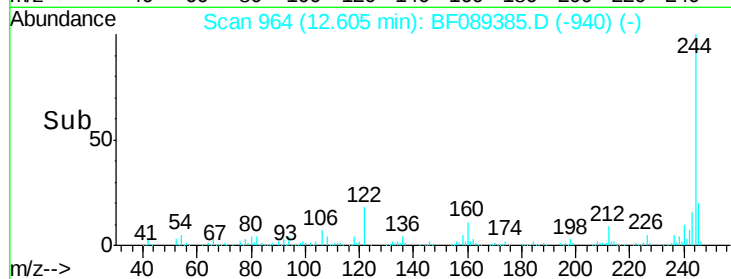
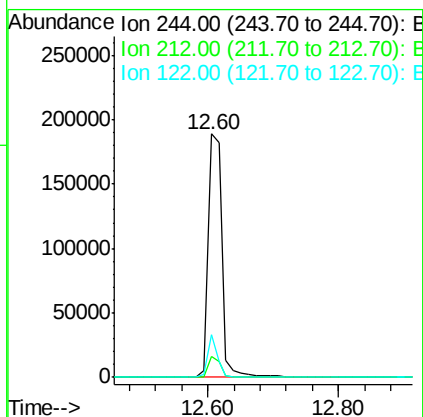
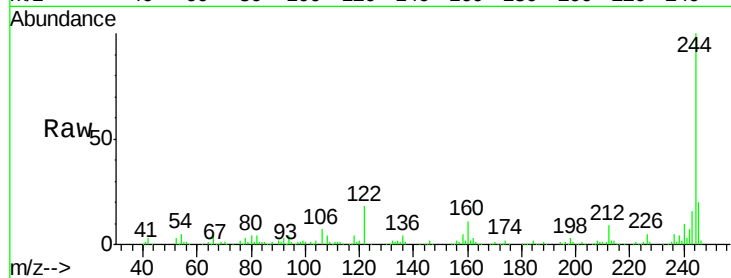




#78
 Terphenyl-d14
 Concen: 57.72 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

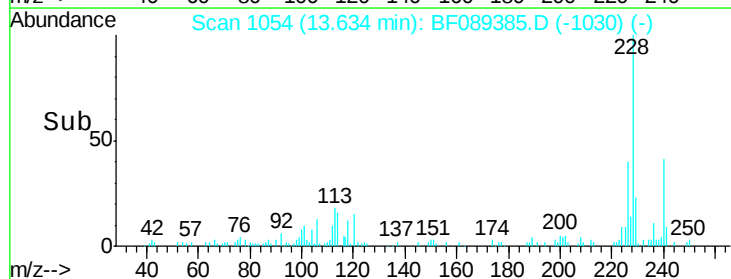
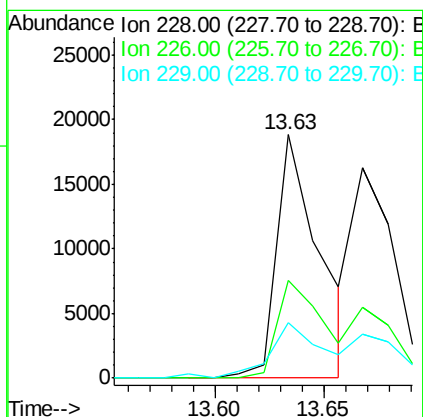
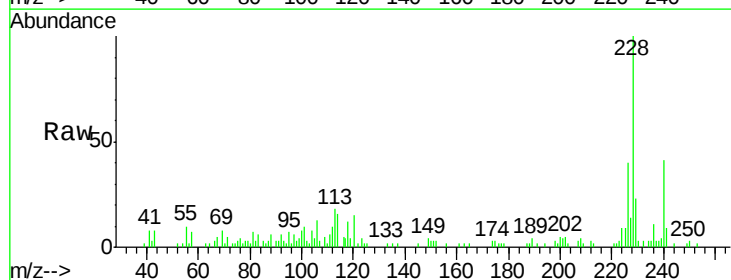
Instrument :
 BNA_F
 ClientSampleId :
 SP-3(LOT109)0-1

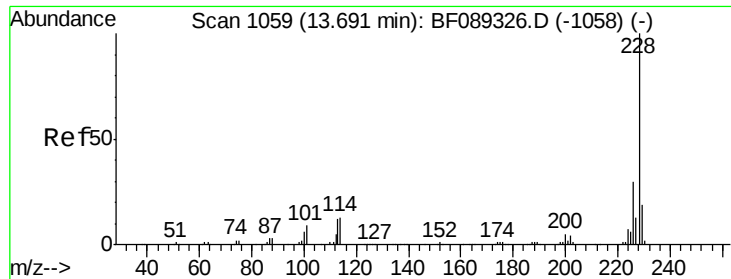
Tgt Ion:244 Resp: 280010
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.5 9.7
 122 17.6 11.4 17.0#



#80
 Benzo(a)anthracene
 Concen: 4.05 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

Tgt Ion:228 Resp: 25964
 Ion Ratio Lower Upper
 228 100
 226 40.2 21.4 32.2#
 229 22.8 15.9 23.9





#82

Chrysene

Concen: 3.81 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.06 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

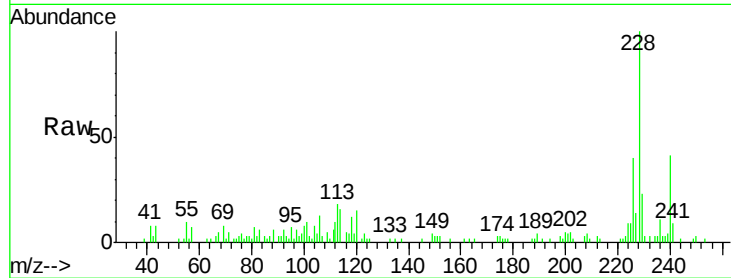
Tgt Ion:228 Resp: 25964

Ion Ratio Lower Upper

228 100

226 40.2 24.2 36.2#

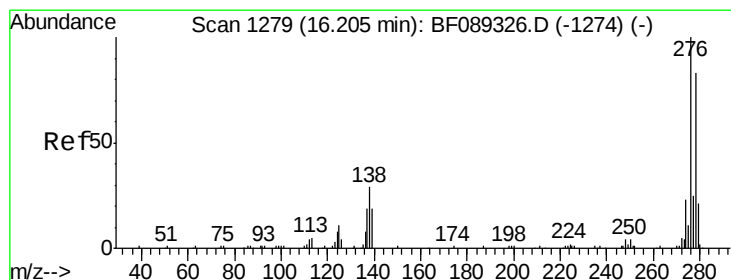
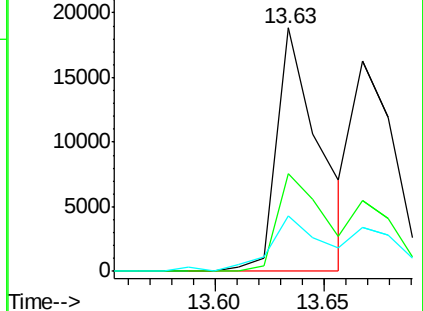
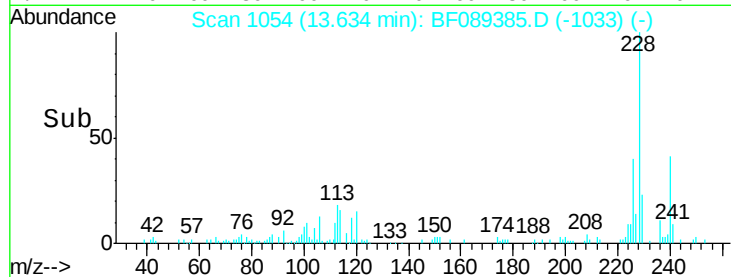
229 22.8 15.9 23.9



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: 5.30 ng

RT: 16.18 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

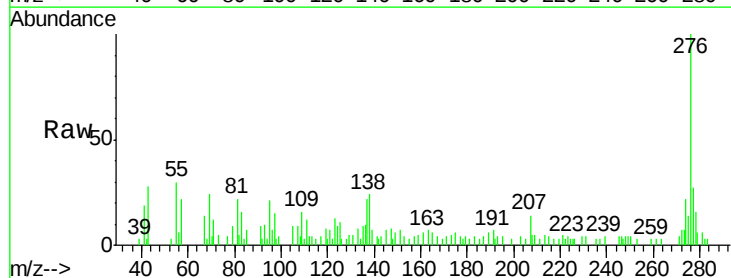
Tgt Ion:276 Resp: 25720

Ion Ratio Lower Upper

276 100

138 25.8 23.0 34.4

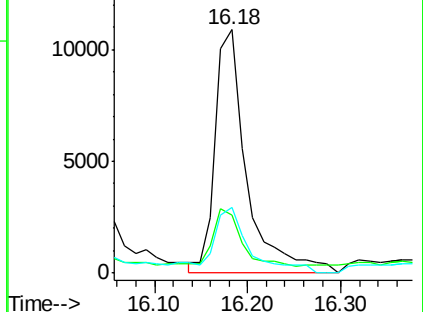
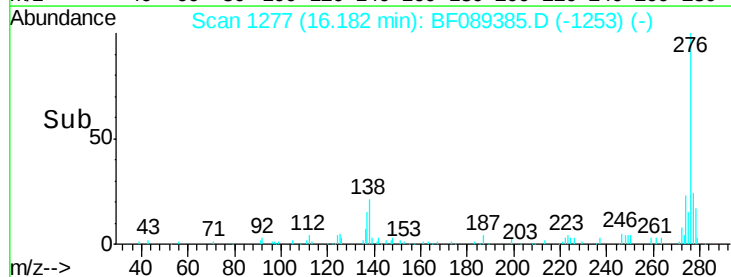
277 29.9 20.2 30.4

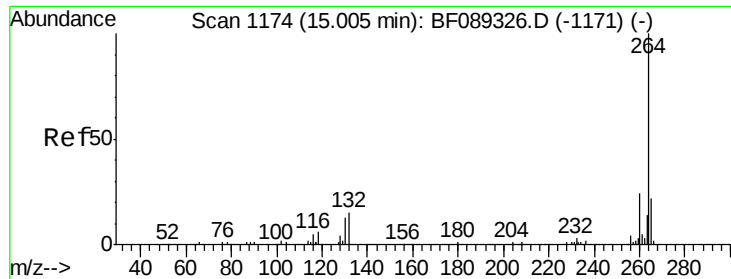


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

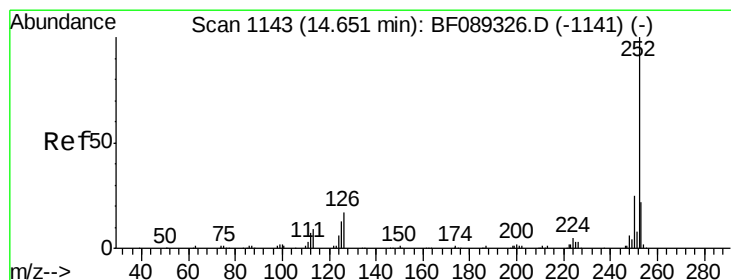
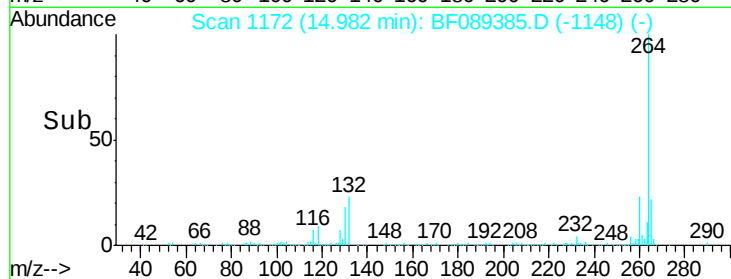
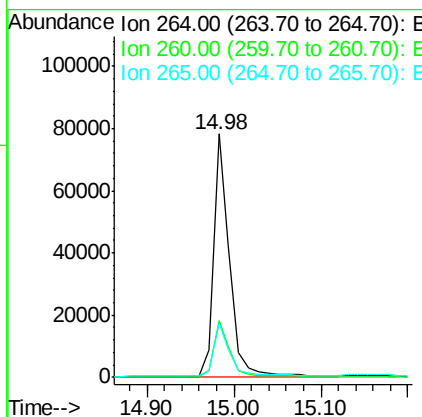
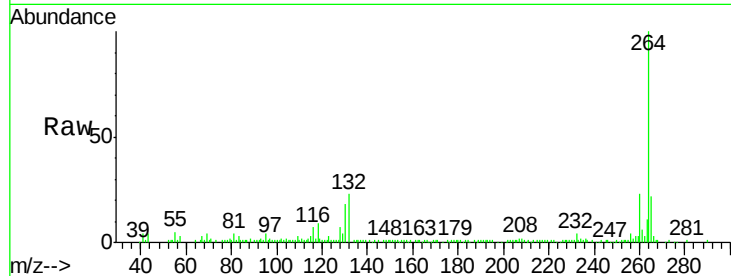




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

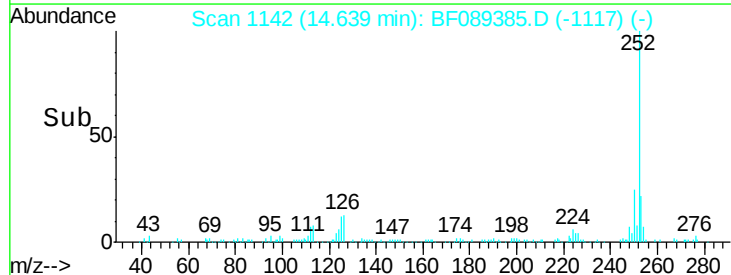
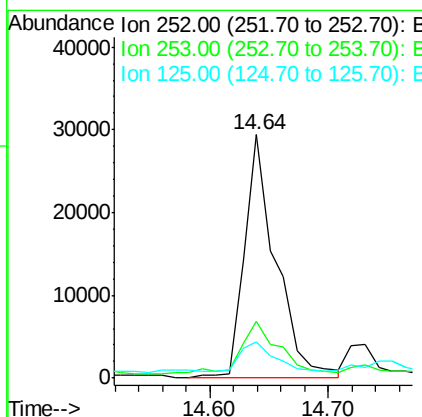
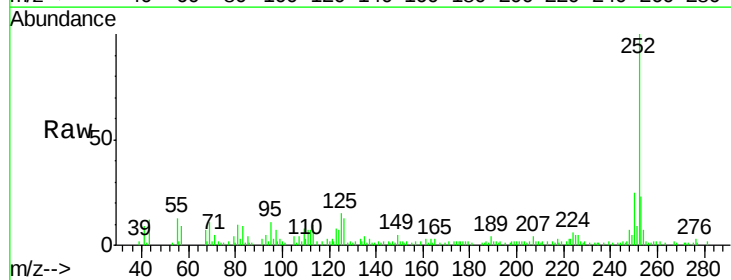
Instrument :
BNA_F
ClientSampleId :
SP-3(LOT109)0-1

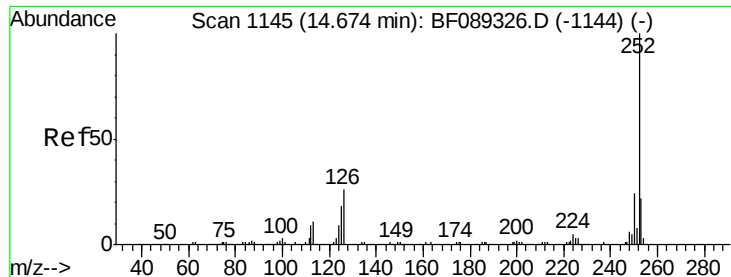
Tgt Ion:264 Resp: 101805
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.59 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

Tgt Ion:252 Resp: 54329
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 14.7 9.7 14.5#

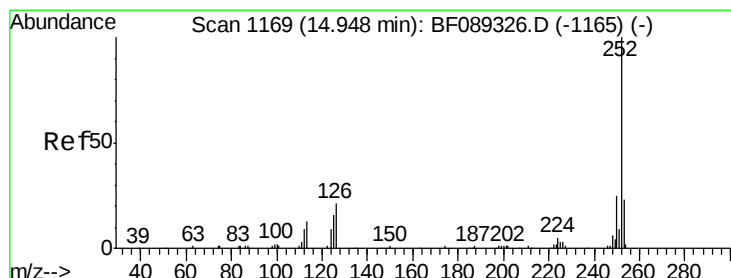
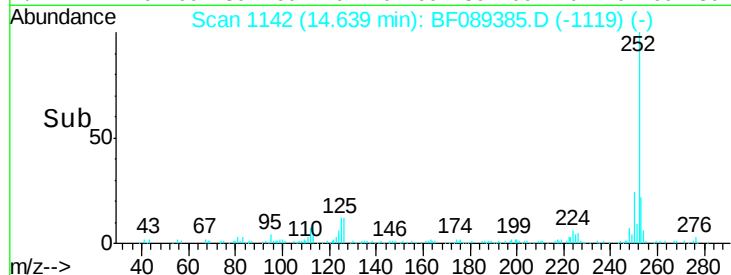
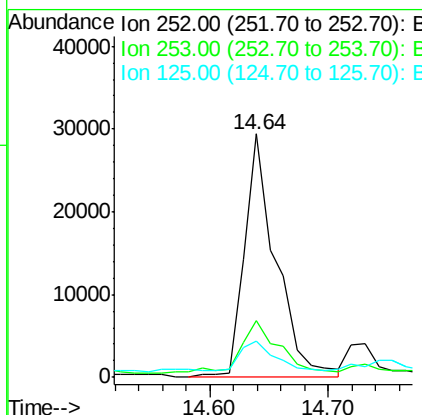
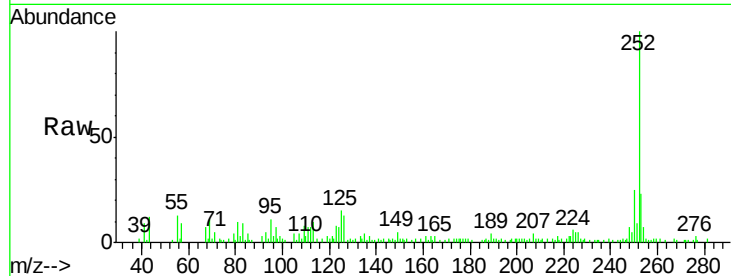




#88
Benzo(k)fluoranthene
Concen: 9.35 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

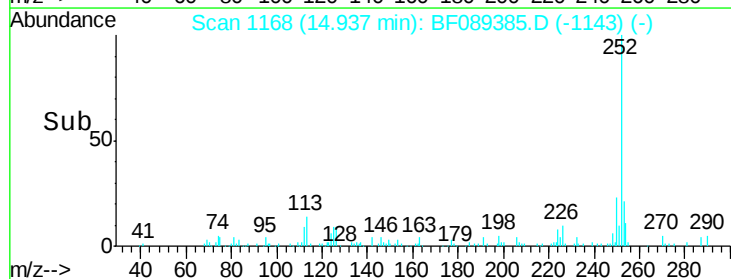
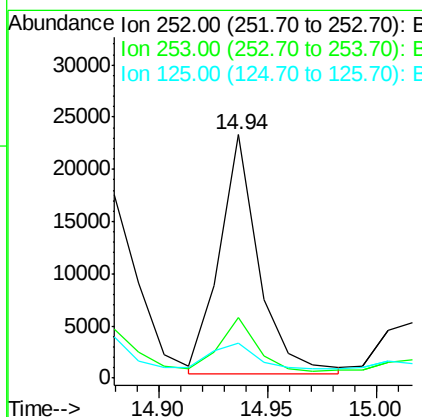
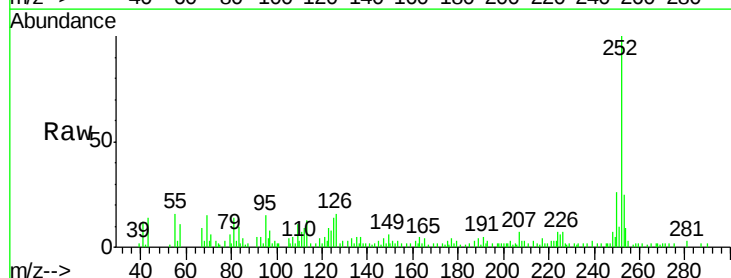
Instrument :
BNA_F
ClientSampleId :
SP-3(LOT109)0-1

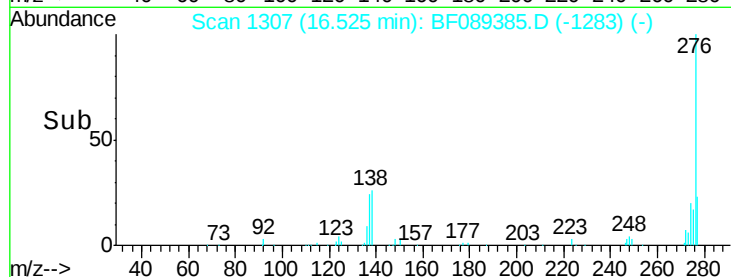
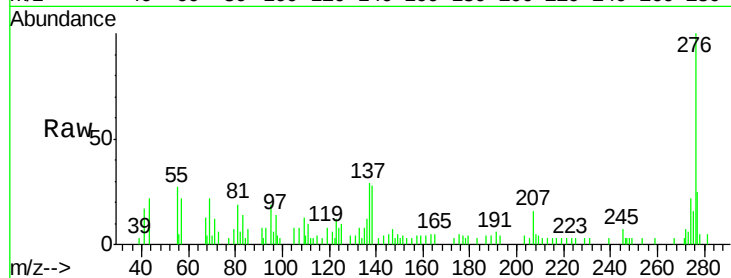
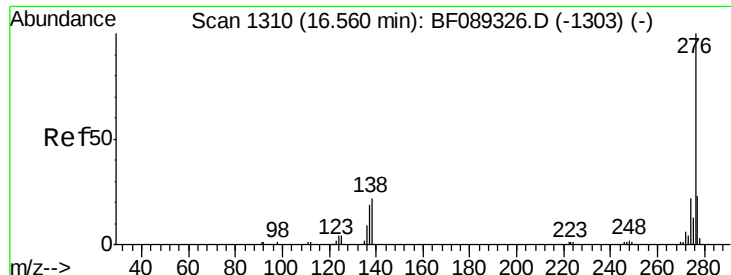
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	14.7	10.7	16.1



#89
Benzo(a)pyrene
Concen: 5.10 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	14.5	12.4	18.6





#91

Benzo(g,h,i)perylene

Concen: 5.93 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

Tgt Ion: 276 Resp: 26042

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 27.8 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

