

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 03:30:16 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

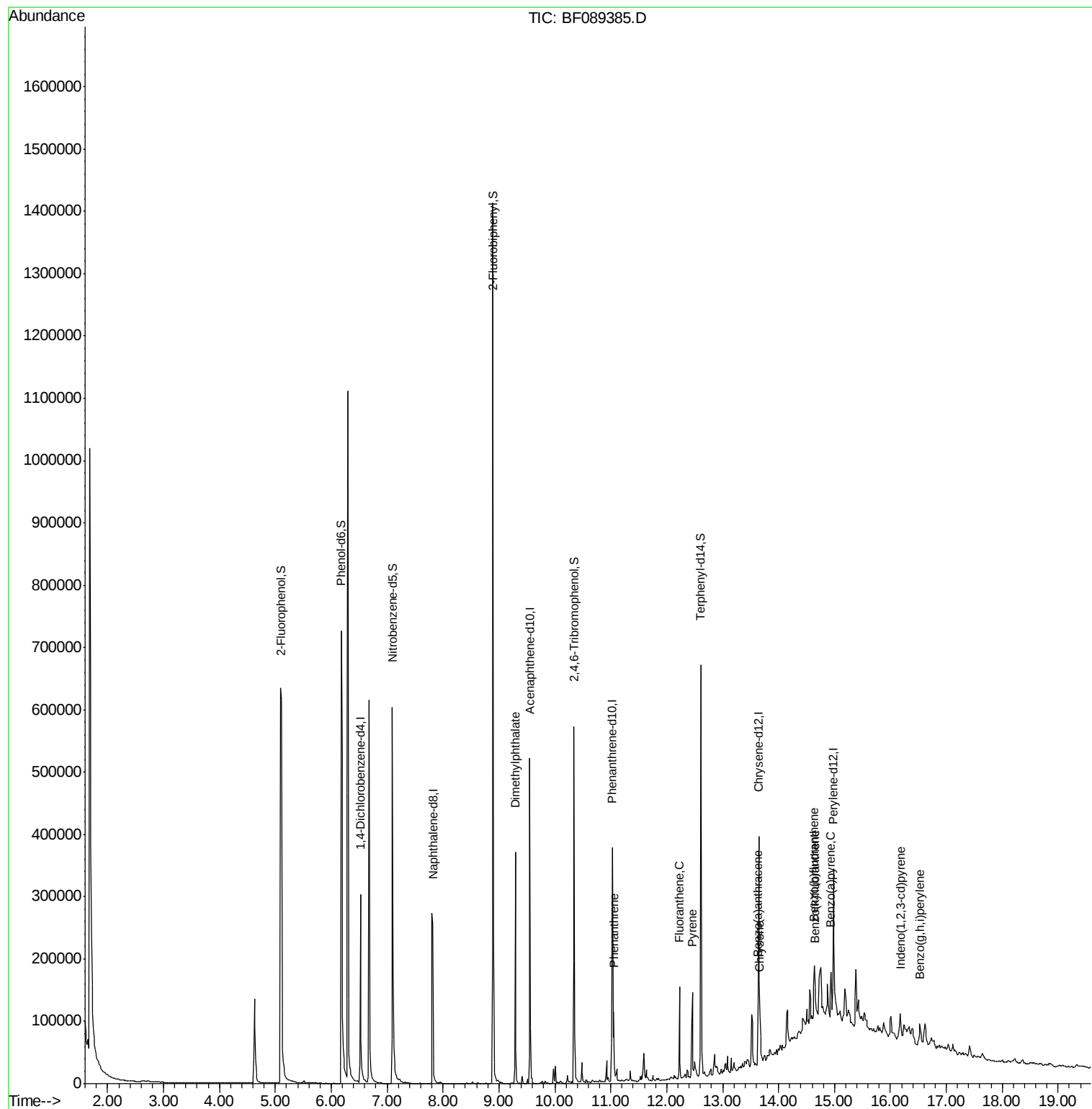
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	56117	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	212509	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	98090	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	148129	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	113544	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
49) Dimethylphthalate	9.29	163	139554	18.69	ng	98
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	13.67	228	22656m	3.32	ng	
85) Indeno(1,2,3-cd)pyrene	16.18	276	25720	5.30	ng	93
87) Benzo(b)fluoranthene	14.64	252	41252m	6.52	ng	
88) Benzo(k)fluoranthene	14.65	252	13078m	2.25	ng	
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

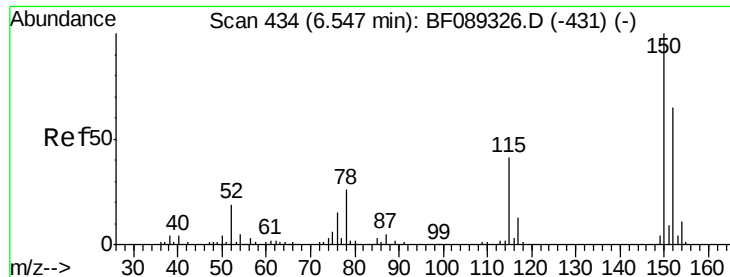
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089385.D

Acq: 29 Jul 2016 2:06

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

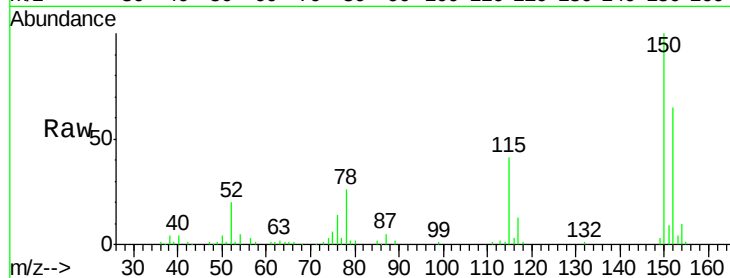
Tgt Ion:152 Resp: 56117

Ion Ratio Lower Upper

152 100

150 153.6 129.5 194.3

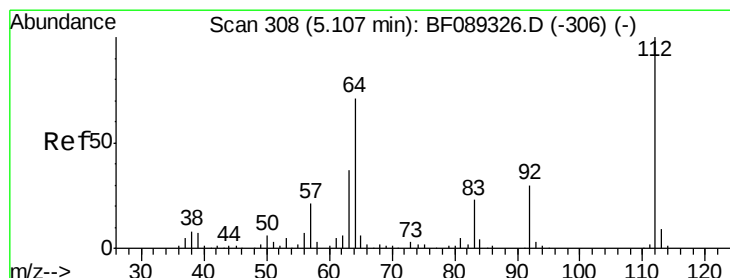
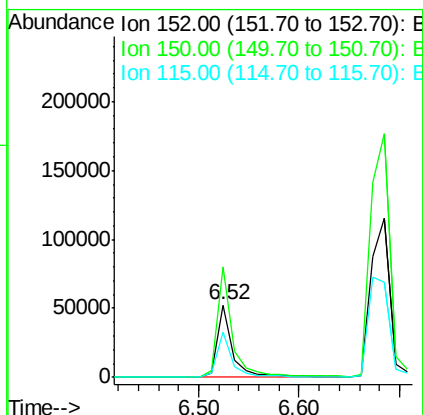
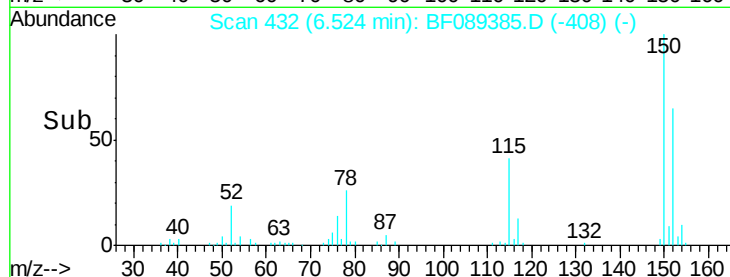
115 62.4 51.4 77.2



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: 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

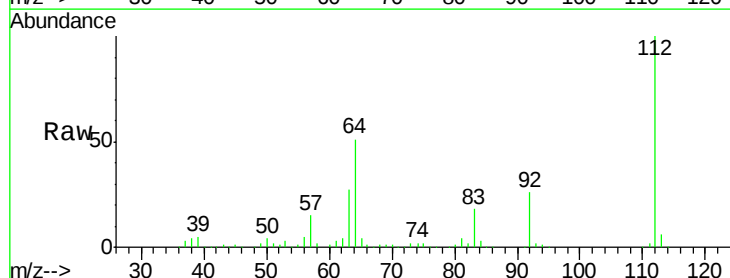
Tgt Ion:112 Resp: 318842

Ion Ratio Lower Upper

112 100

64 50.6 55.0 82.6#

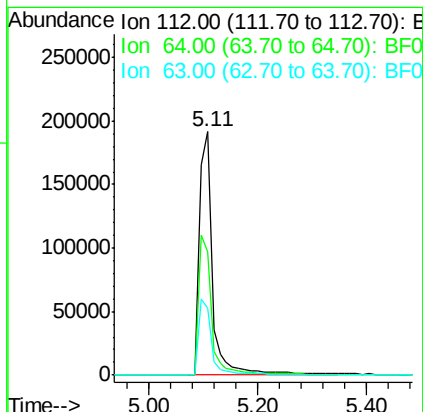
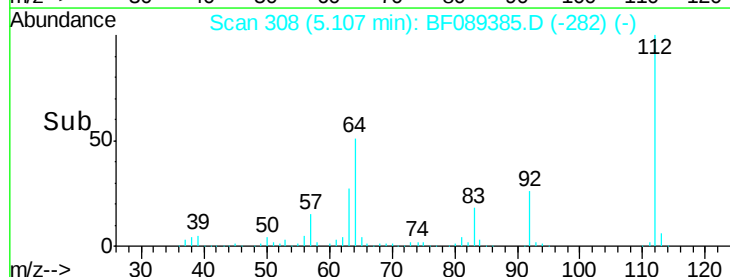
63 27.5 29.4 44.2#



Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

BNA_F

ClientSampleId :

SP-3(LOT109)0-1

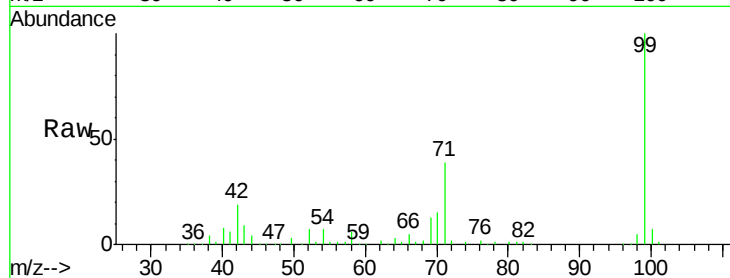
Tgt Ion: 99 Resp: 410414

Ion Ratio Lower Upper

99 100

42 19.4 13.6 20.4

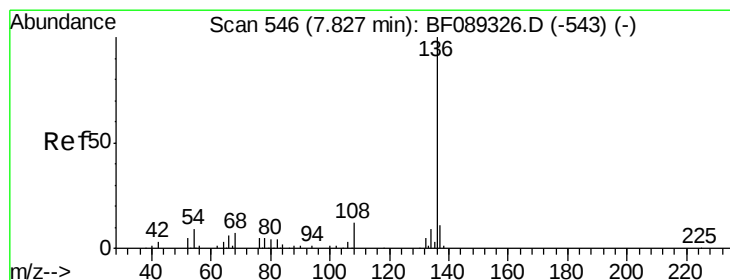
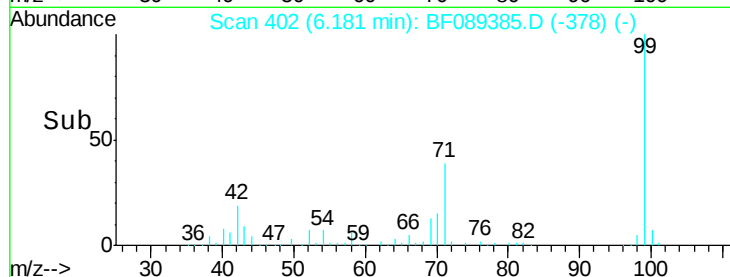
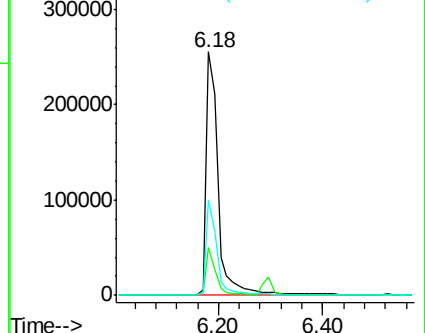
71 38.8 29.4 44.2



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



#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

Tgt Ion: 136 Resp: 212509

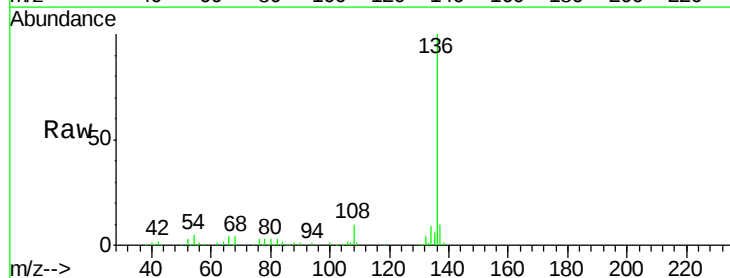
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 5.3 7.0 10.4#

68 4.3 4.9 7.3#

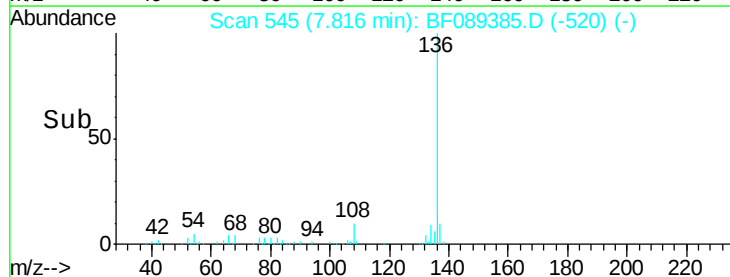
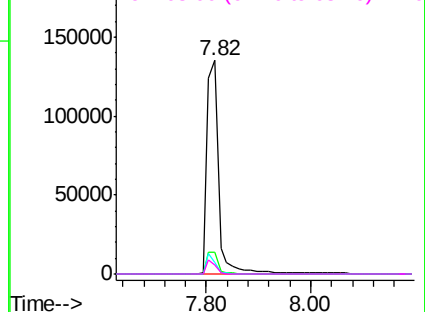


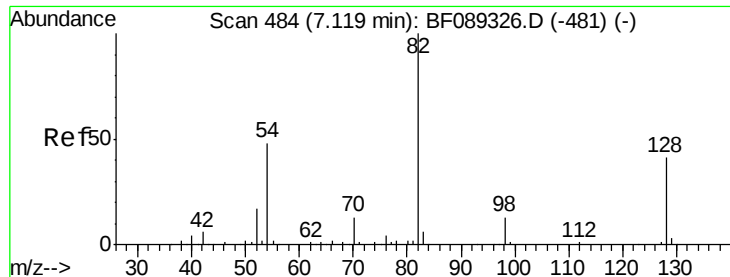
Abundance Ion 136.00 (135.70 to 136.70): E

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

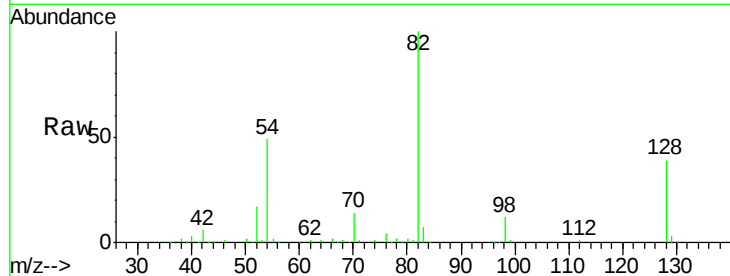




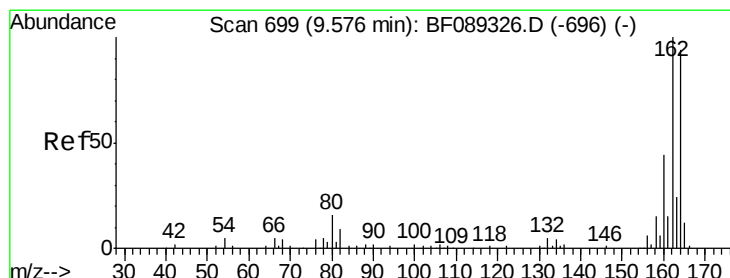
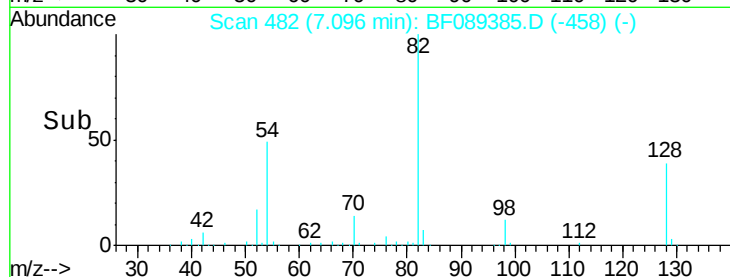
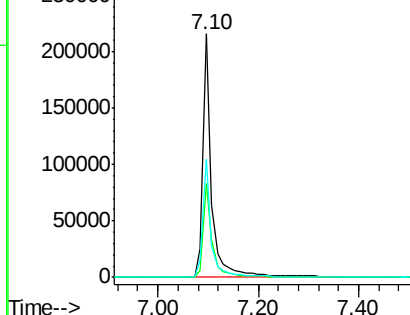
#23
 Nitrobenzene-d5
 Concen: 72.89 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.5	48.7
54	48.8	38.8	58.2

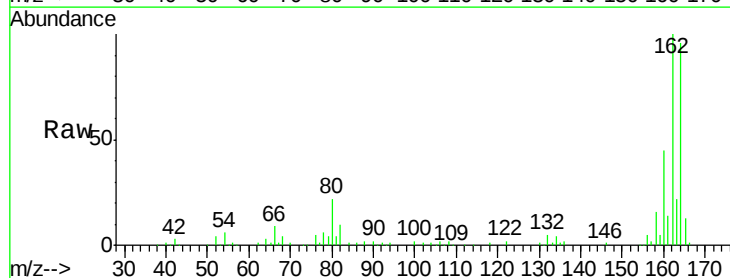


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

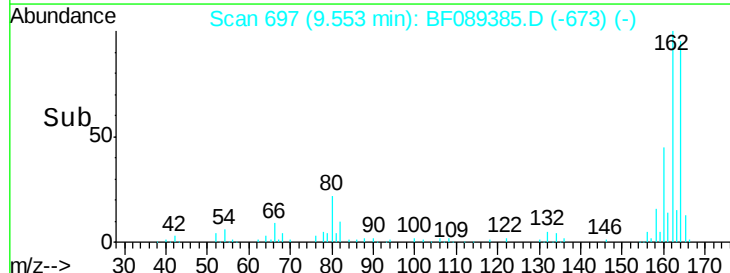
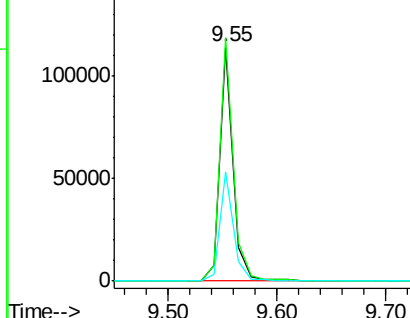


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

Tgt 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): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

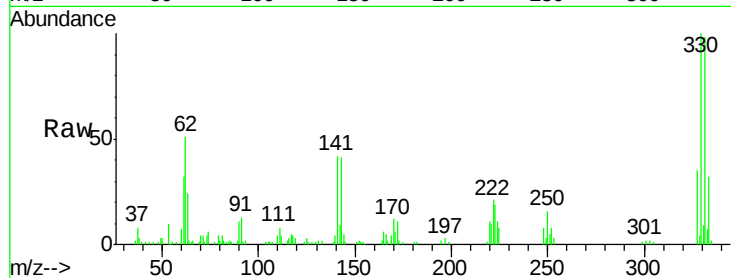




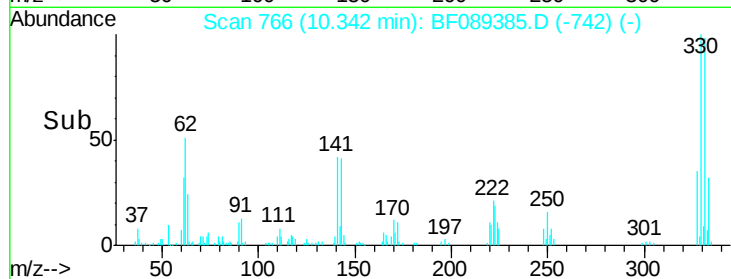
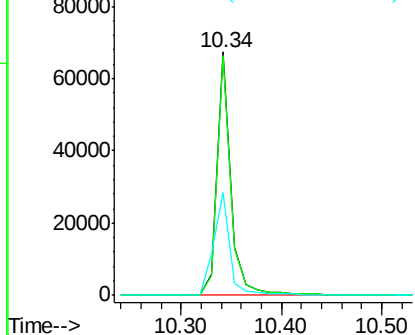
#41
 2,4,6-Tribromophenol
 Concen: 79.49 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

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

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

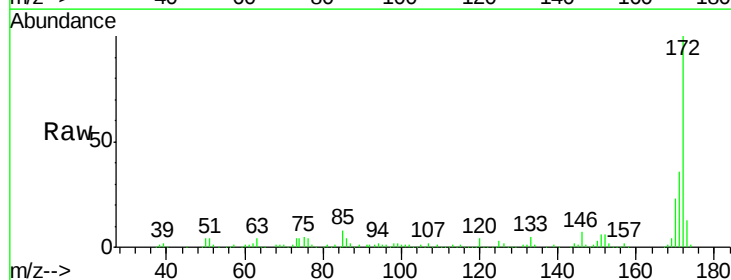


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

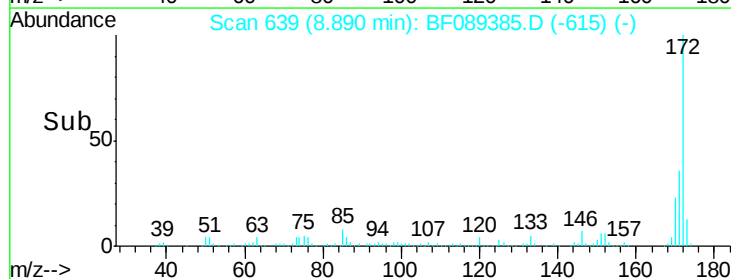
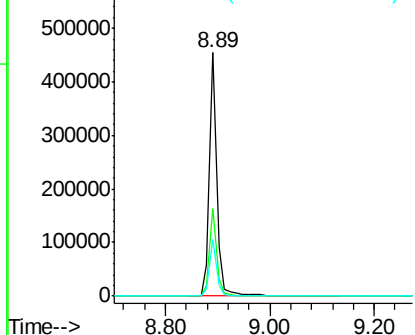


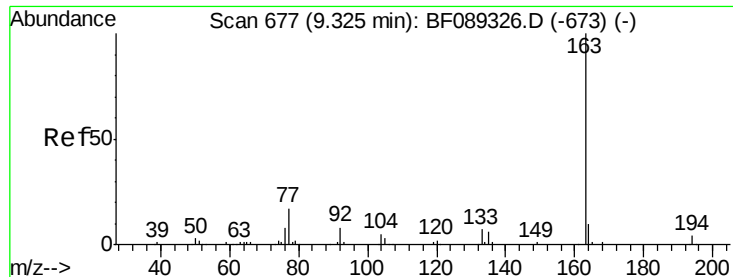
#44
 2-Fluorobiphenyl
 Concen: 66.98 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

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

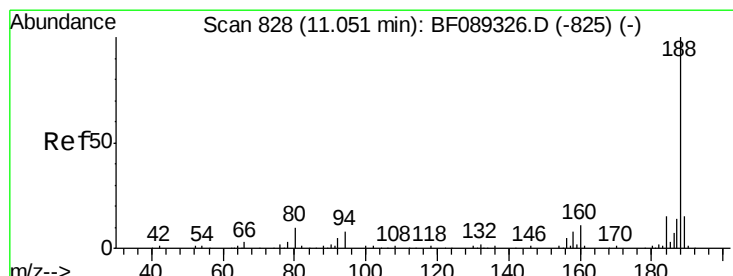
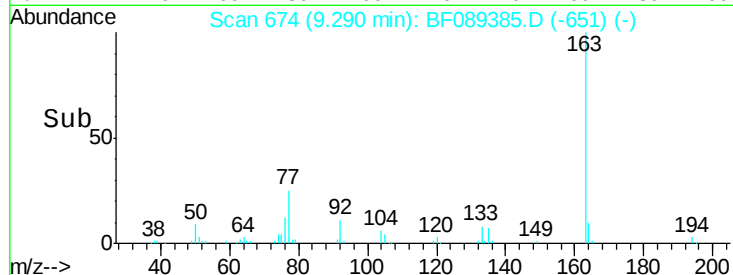
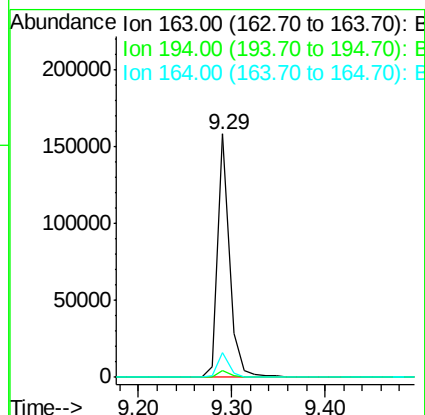
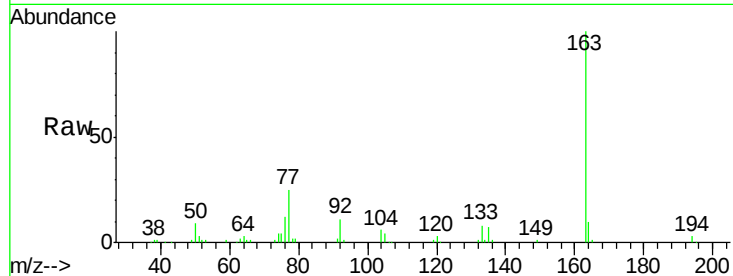




#49
Dimethylphthalate
Concen: 18.69 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

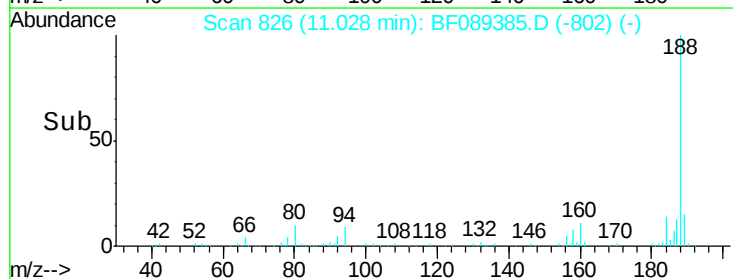
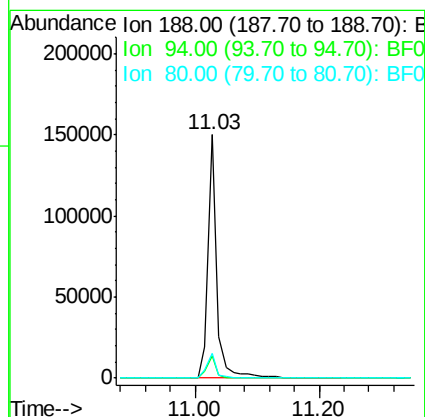
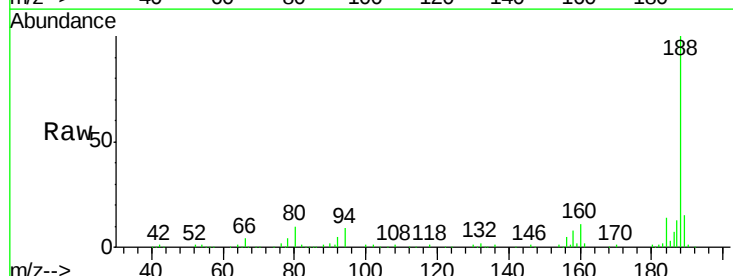
Instrument :
BNA_F
ClientSampleId :
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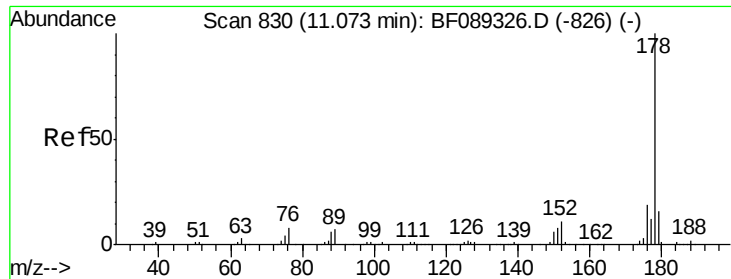
Tgt Ion:163 Resp: 139554
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.4 7.8 11.8



#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

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

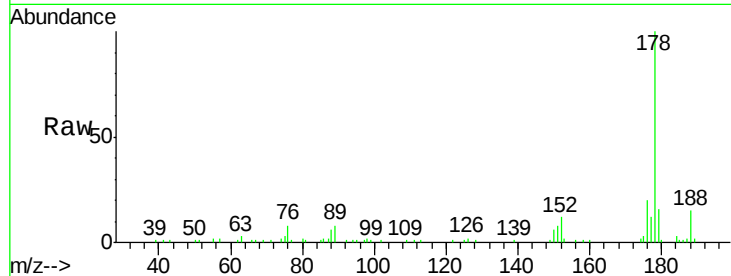




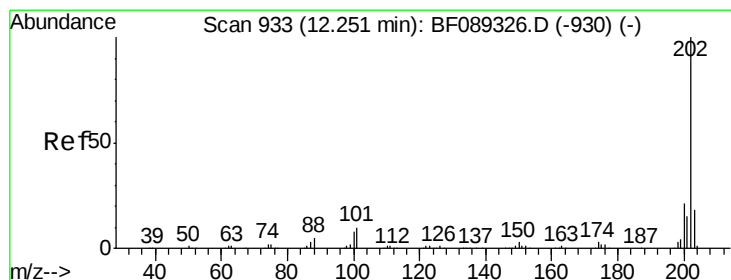
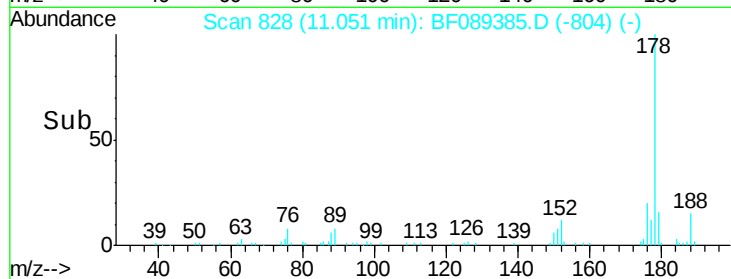
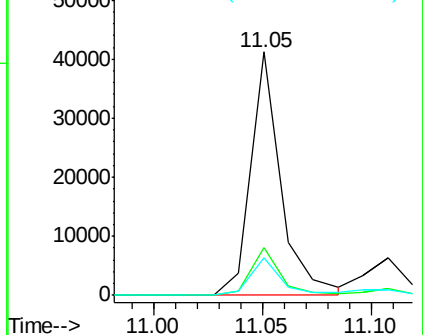
#70
Phenanthrene
Concen: 5.20 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

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

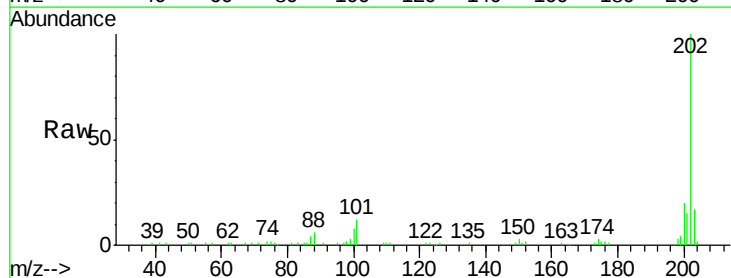


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

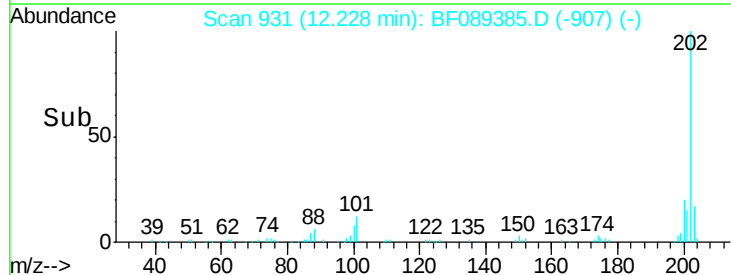
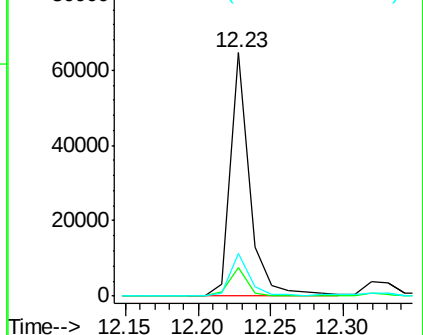


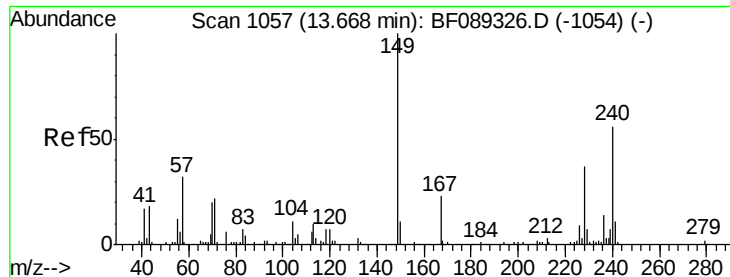
#74
Fluoranthene
Concen: 7.46 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

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

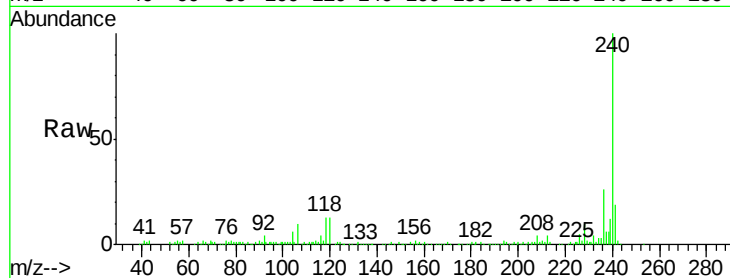
Tgt Ion:240 Resp: 113544

Ion Ratio Lower Upper

240 100

120 13.5 9.1 13.7

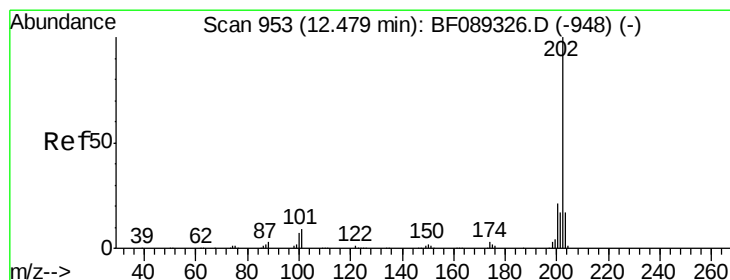
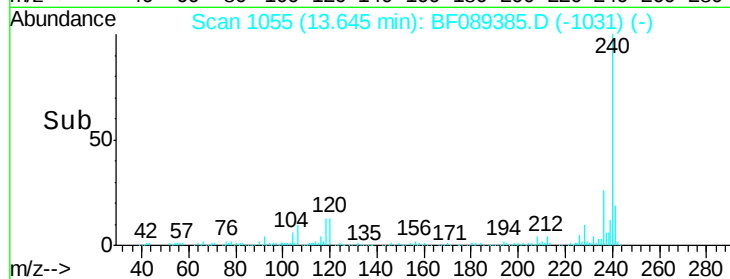
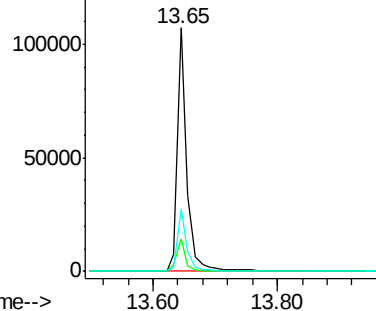
236 25.6 20.6 30.8



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

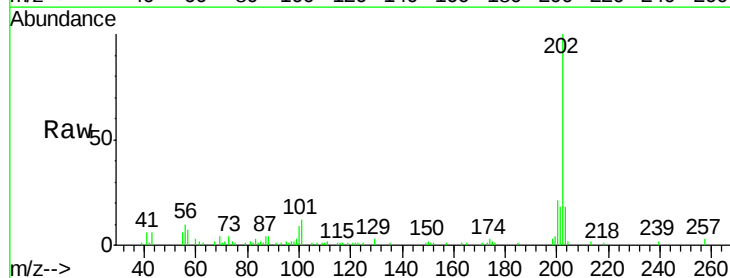
Tgt Ion:202 Resp: 59380

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

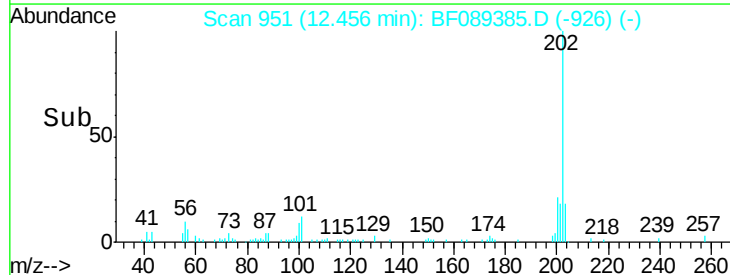
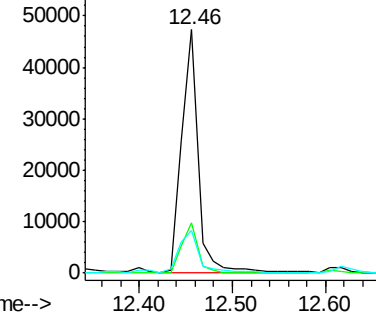
203 17.7 14.0 21.0

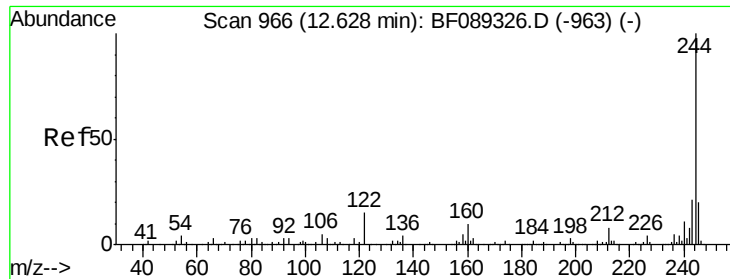


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

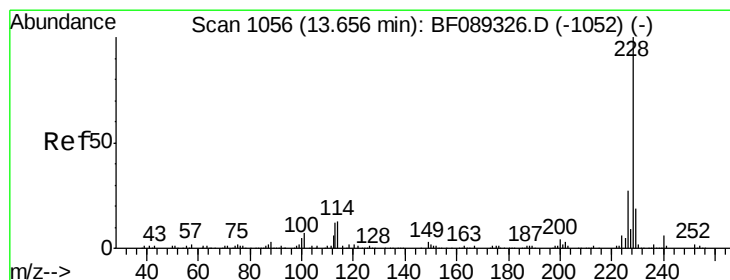
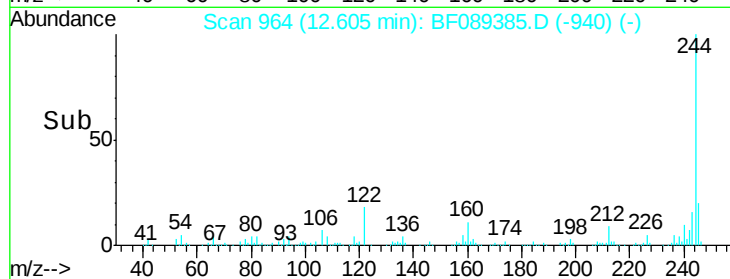
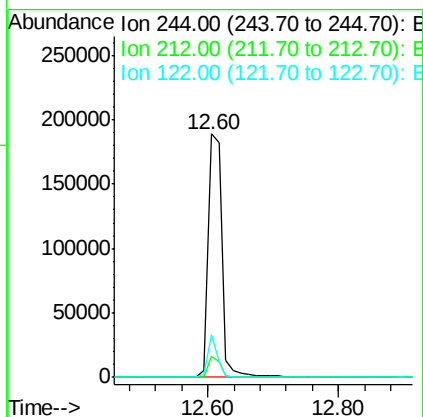
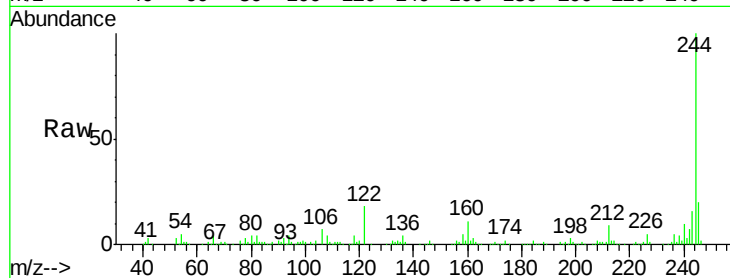




#78
 Terphenyl-d14
 Concen: 57.72 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089385.D
 Acq: 29 Jul 2016 2:06

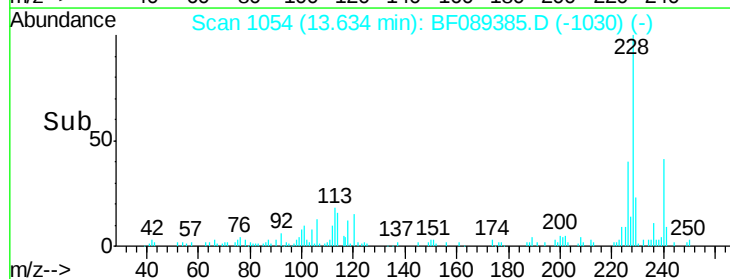
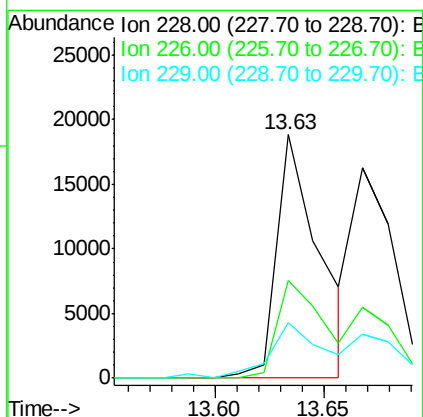
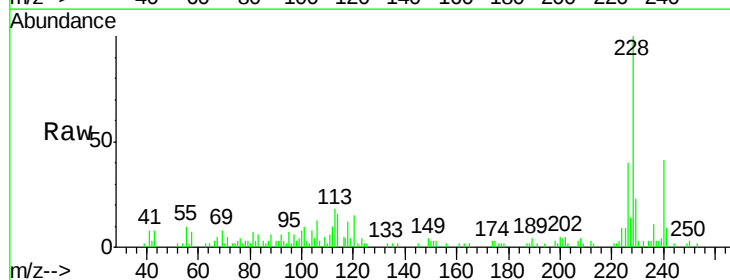
Instrument :
 BNA_F
 ClientSampleId :
 SP-3(LOT109)0-1

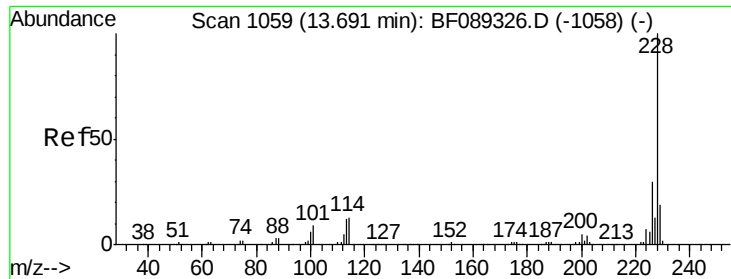
Tgt Ion:244 Resp: 280010
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.5 9.7
 122 17.6 11.4 17.0#



#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: 3.32 ng m

RT: 13.67 min Scan# 1057

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

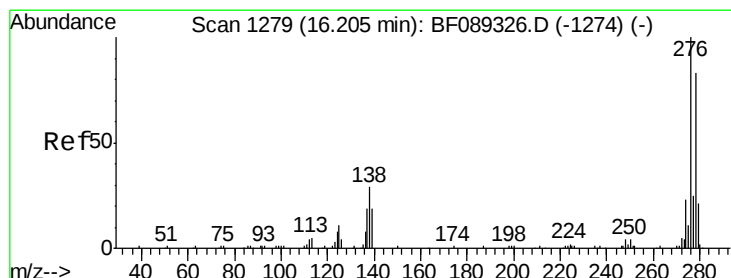
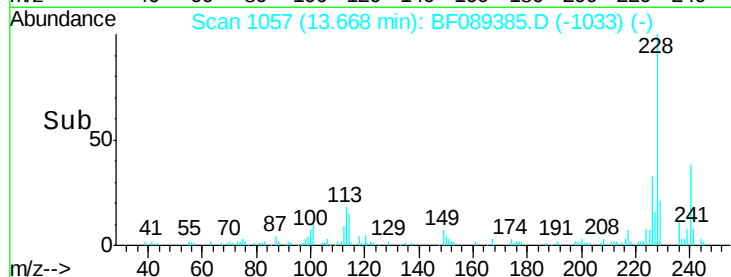
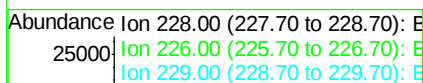
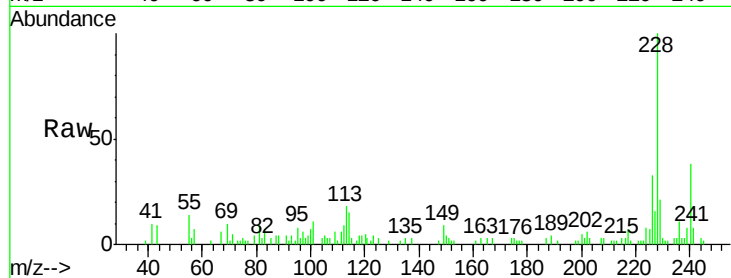
Tgt Ion:228 Resp: 22656

Ion Ratio Lower Upper

228 100

226 33.4 24.2 36.2

229 21.0 15.9 23.9



#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

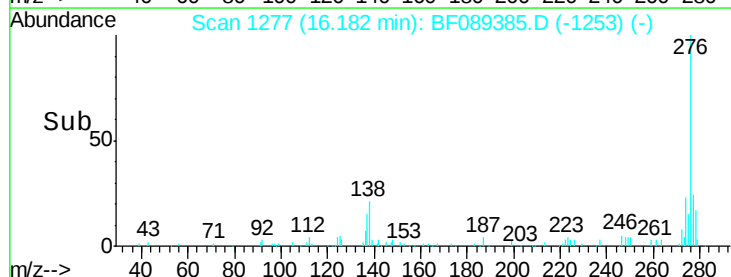
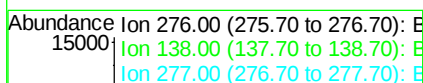
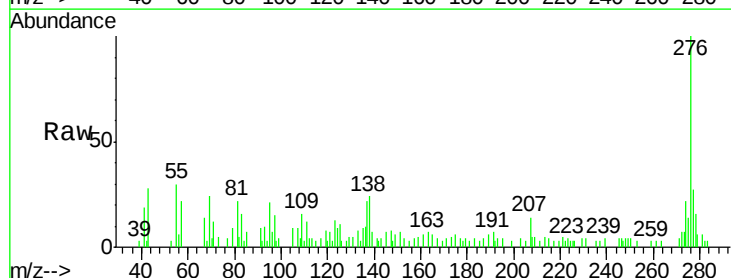
Tgt Ion:276 Resp: 25720

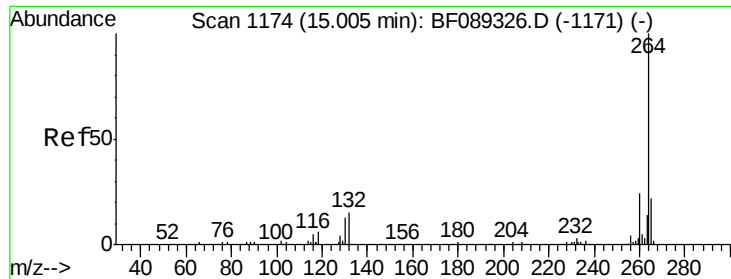
Ion Ratio Lower Upper

276 100

138 25.8 23.0 34.4

277 29.9 20.2 30.4

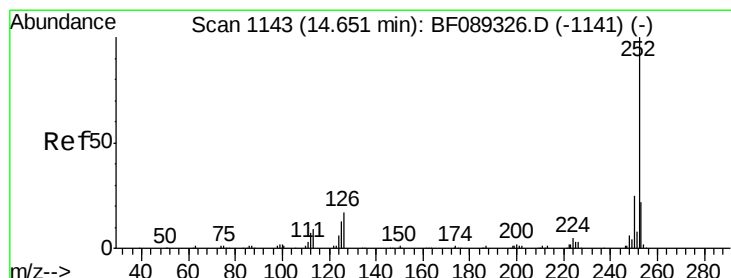
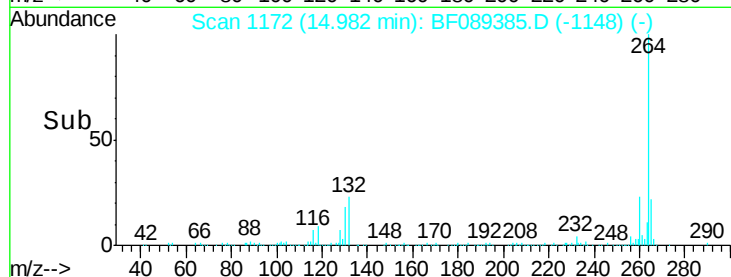
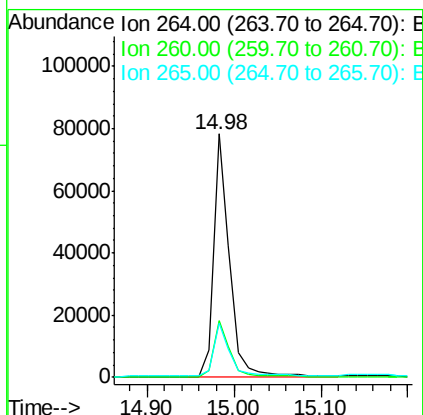
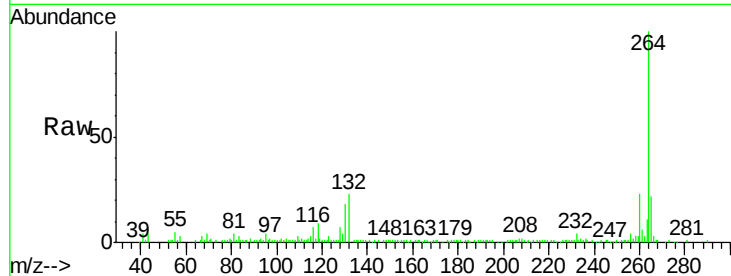




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089385.D
Acq: 29 Jul 2016 2:06

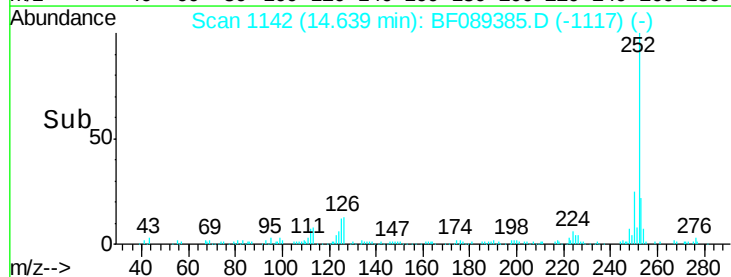
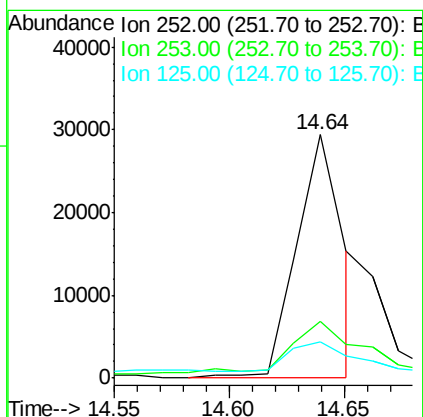
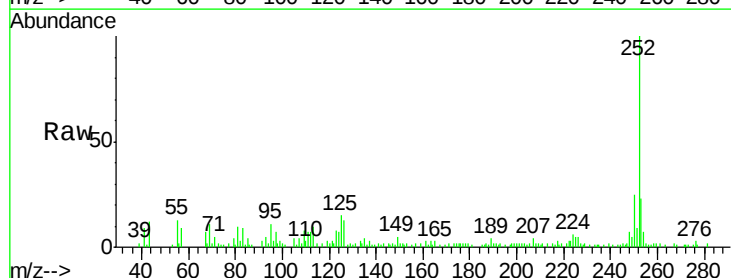
Instrument :
BNA_F
ClientSampleId :
SP-3(LOT109)0-1

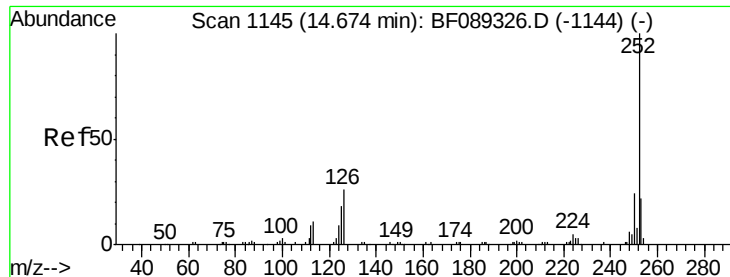
Tgt Ion: 264 Resp: 101805
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.52 ng m
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: 41252
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: 2.25 ng m

RT: 14.65 min Scan# 1143

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

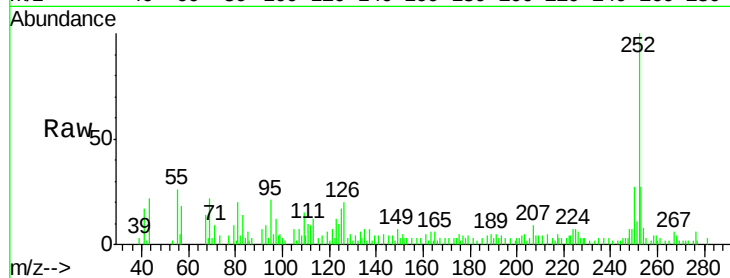
Tgt Ion:252 Resp: 13078

Ion Ratio Lower Upper

252 100

253 27.1 17.8 26.8#

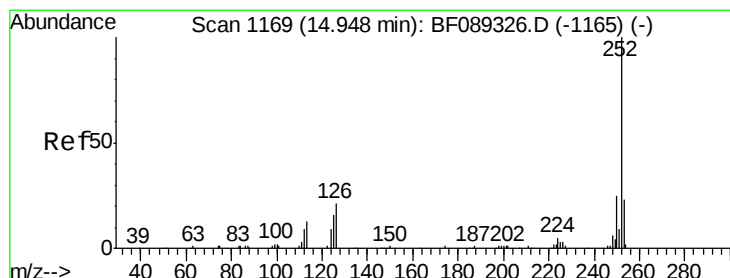
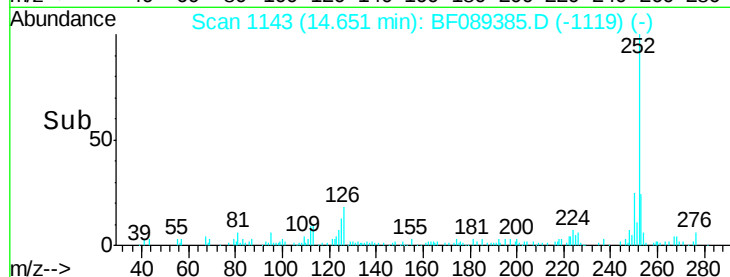
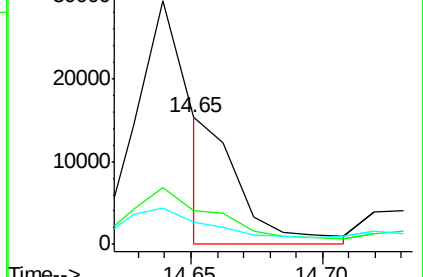
125 17.4 10.7 16.1#



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: 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

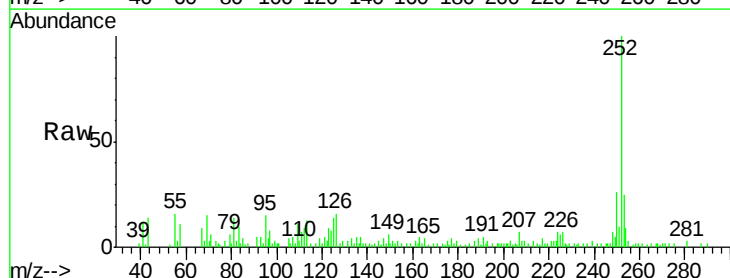
Tgt Ion:252 Resp: 28939

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.2

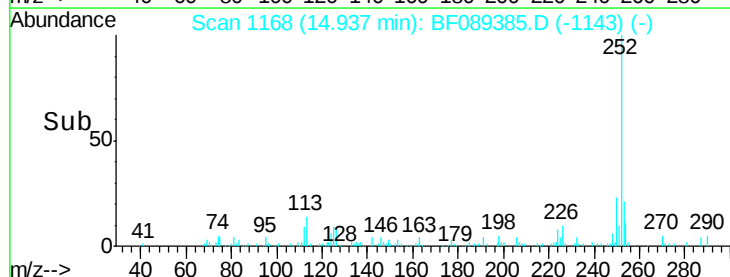
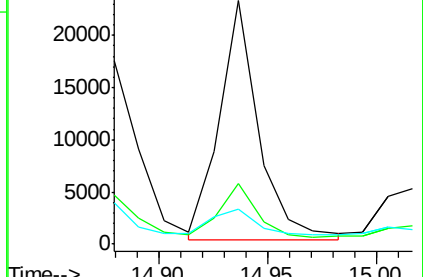
125 14.5 12.4 18.6

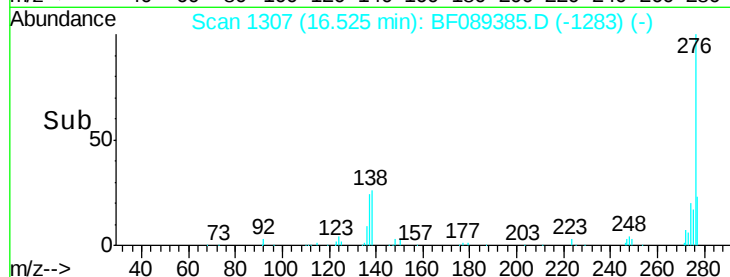
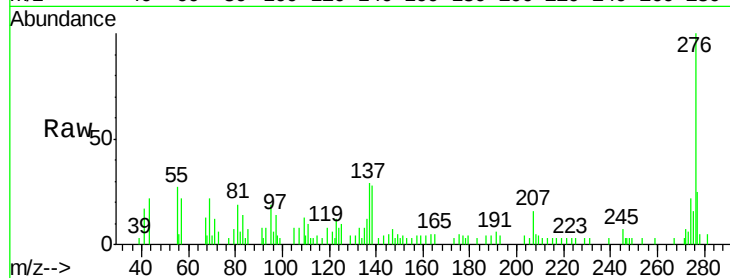
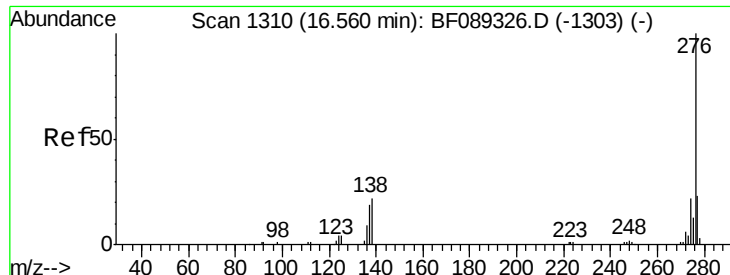


Abundance Ion 252.00 (251.70 to 252.70): E

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: 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

