

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089677.D
 Acq On : 9 Aug 2016 00:04
 Operator : UM/SJ
 Sample : H4331-11 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC1-GRAB

Quant Time: Aug 09 02:34:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	39936	20.00	ng	-0.03
21) Naphthalene-d8	9.45	136	173743	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	75859	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	120609	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	88042	20.00	ng	-0.02
86) Perylene-d12	20.02	264	90087	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	18456	7.75	ng	0.01
7) Phenol-d6	6.98	99	27932	8.64	ng	0.00
23) Nitrobenzene-d5	8.34	82	17540	5.58	ng	-0.02
41) 2,4,6-Tribromophenol	13.57	330	4284	6.84	ng	-0.02
44) 2-Fluorobiphenyl	11.22	172	39501	6.77	ng	-0.03
78) Terphenyl-d14	17.03	244	23882	5.35	ng	-0.02

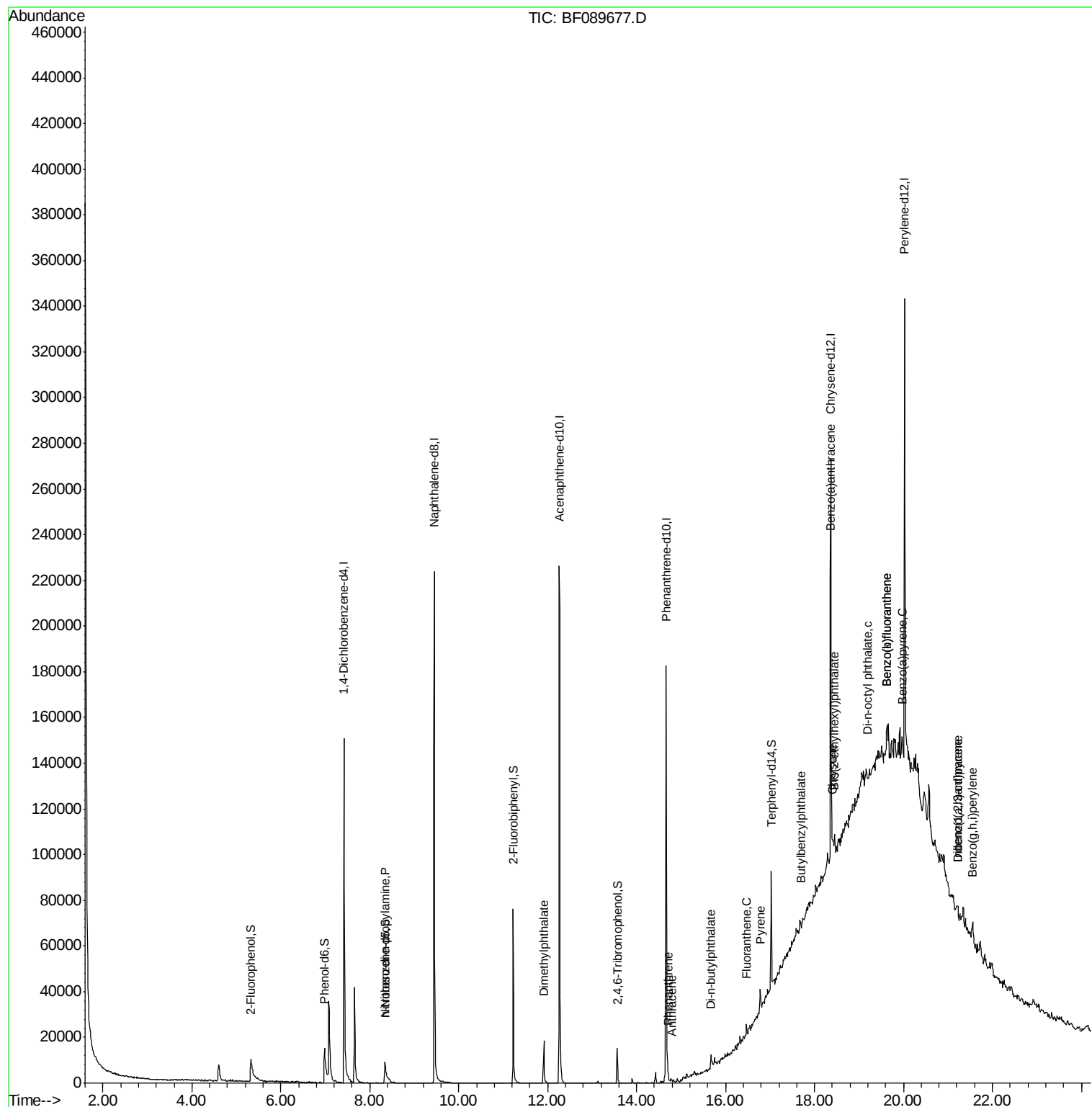
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.34	70	1051	0.45	ng	# 40
49) Dimethylphthalate	11.92	163	13604	2.29	ng	99
70) Phenanthrene	14.71	178	949	0.14	ng	# 60
71) Anthracene	14.80	178	224	0.03	ng	# 60
73) Di-n-butylphthalate	15.67	149	822	0.10	ng	# 79
74) Fluoranthene	16.47	202	2521	0.37	ng	80
77) Pyrene	16.78	202	2811	0.36	ng	# 84
79) Butylbenzylphthalate	17.70	149	1119	0.34	ng	# 74
80) Benzo(a)anthracene	18.35	228	2040	0.40	ng	# 72
82) Chrysene	18.40	228	1911	0.36	ng	# 84
83) Bis(2-ethylhexyl)phthalate	18.45	149	2799	0.61	ng	# 92
84) Di-n-octyl phthalate	19.20	149	445	0.07	ng	# 79
85) Indeno(1,2,3-cd)pyrene	21.21	276	1956	0.49	ng	# 2
87) Benzo(b)fluoranthene	19.62	252	6361	1.15	ng	# 33
88) Benzo(k)fluoranthene	19.62	252	6361	1.14	ng	# 31
89) Benzo(a)pyrene	19.98	252	2126	0.41	ng	# 1
90) Dibenzo(a,h)anthracene	21.21	278	221	0.05	ng	# 1
91) Benzo(g,h,i)perylene	21.55	276	2414	0.49	ng	# 67

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

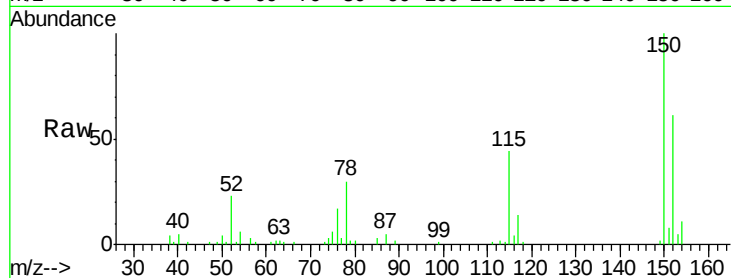
Tgt Ion:152 Resp: 39936

Ion Ratio Lower Upper

152 100

150 164.6 125.5 188.3

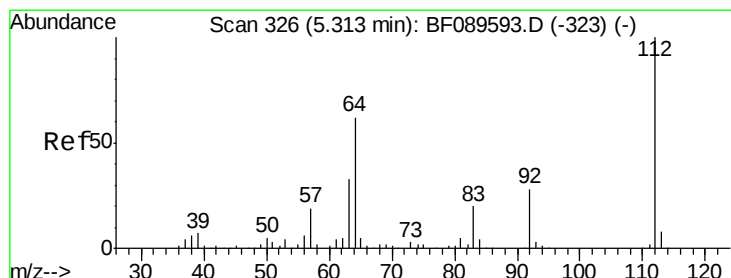
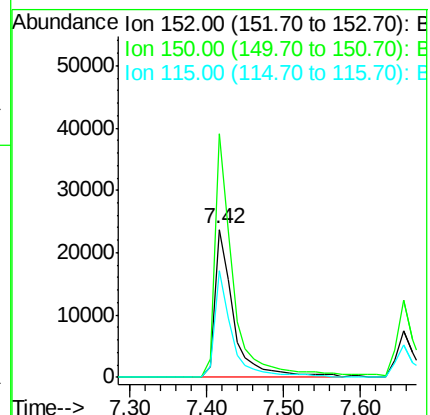
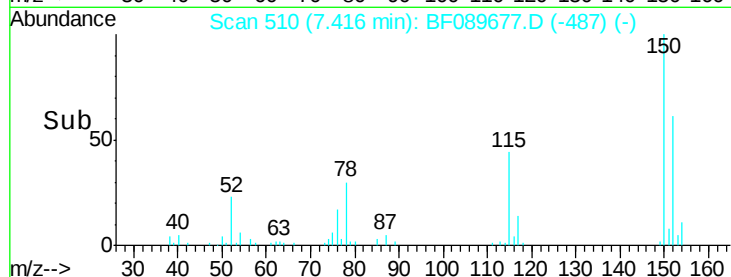
115 71.8 52.0 78.0



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: 7.75 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.01 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

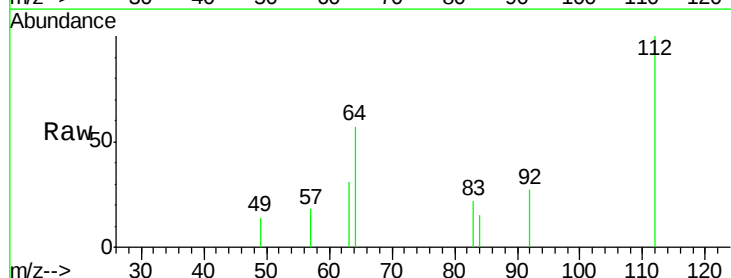
Tgt Ion:112 Resp: 18456

Ion Ratio Lower Upper

112 100

64 56.8 49.9 74.9

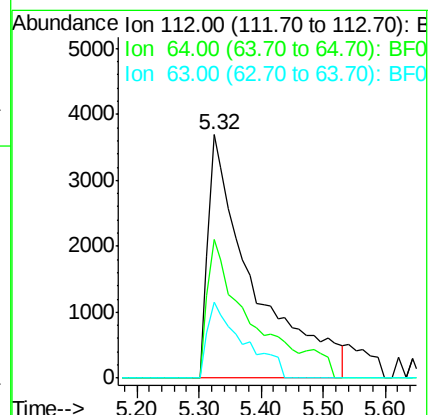
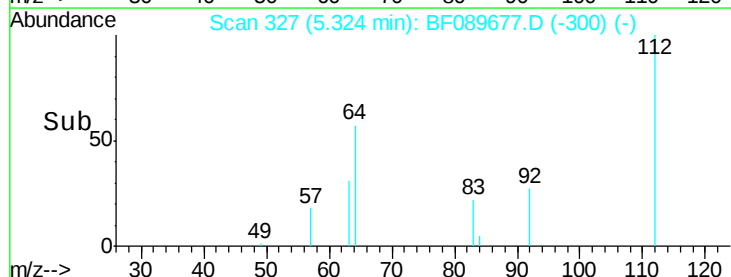
63 31.1 26.1 39.1

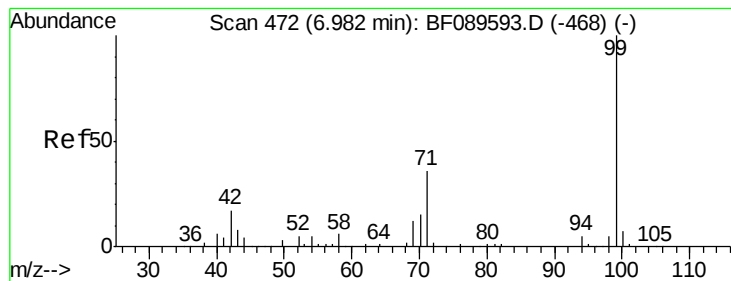


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.64 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

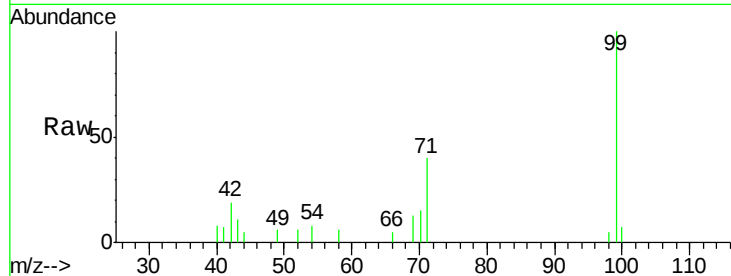
Tgt Ion: 99 Resp: 27932

Ion Ratio Lower Upper

99 100

42 19.0 13.7 20.5

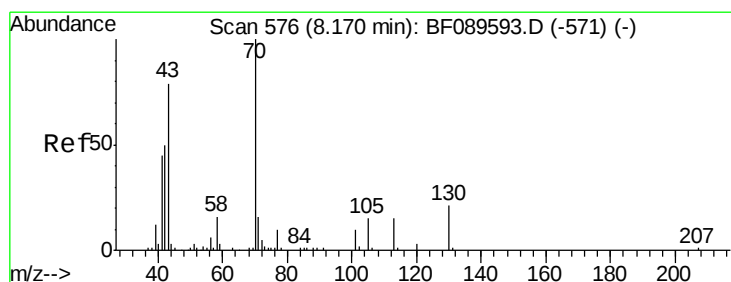
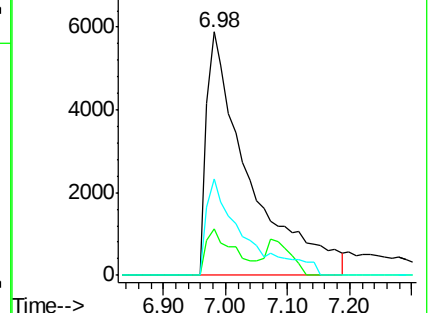
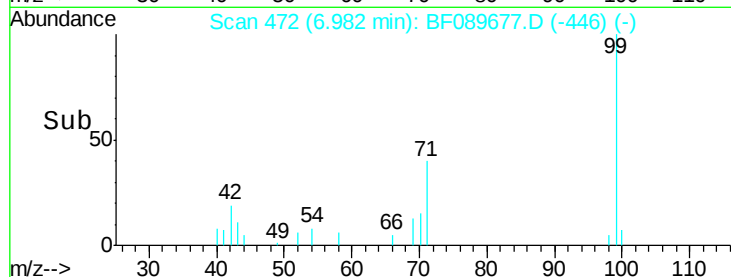
71 39.5 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 0.45 ng

RT: 8.34 min Scan# 591

Delta R.T. 0.17 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Tgt Ion: 70 Resp: 1051

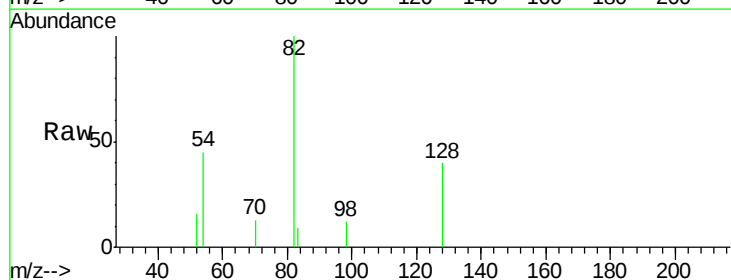
Ion Ratio Lower Upper

70 100

42 0.0 40.2 60.2#

101 0.0 7.8 11.6#

130 0.0 16.4 24.6#

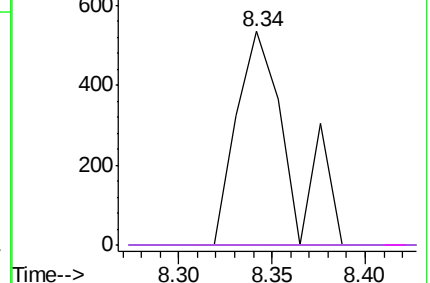
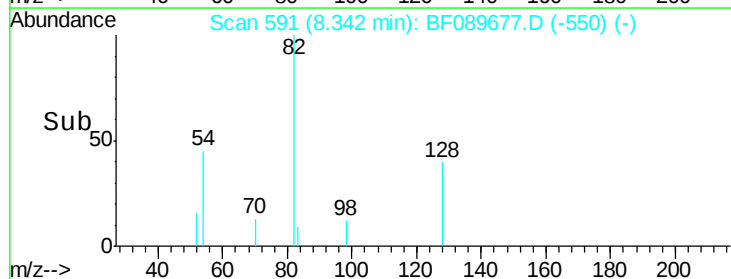


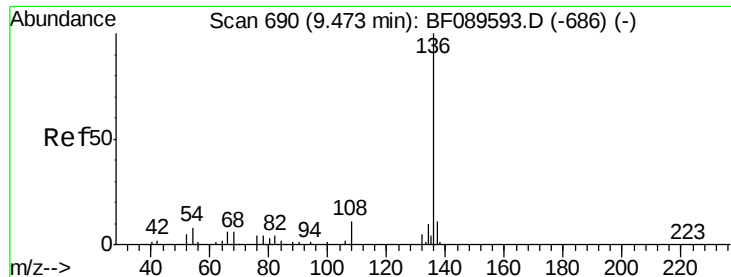
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

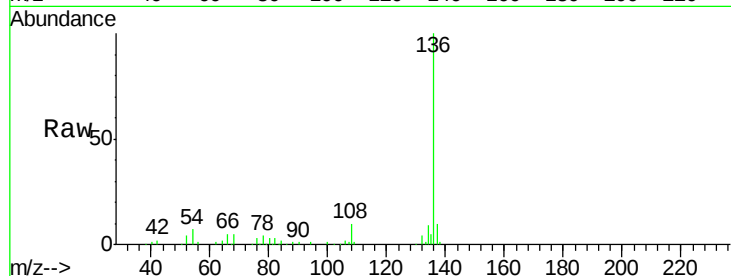




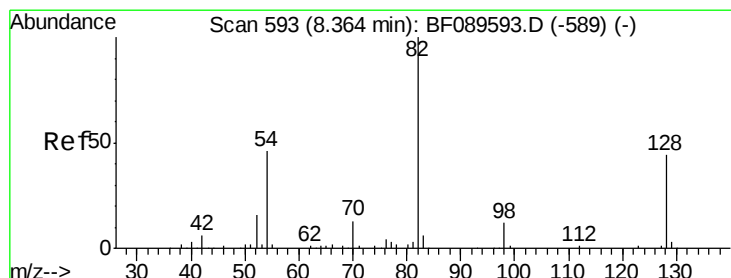
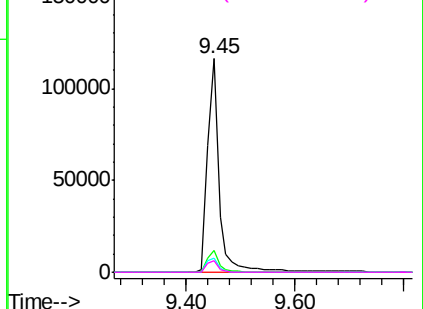
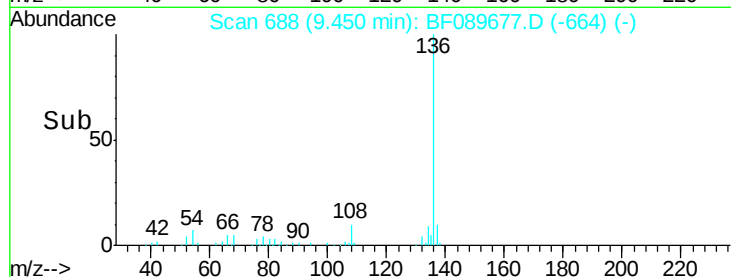
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF089677.D
Acq: 9 Aug 2016 00:04

Instrument :
BNA_F
ClientSampleId :
WC1-GRAB

Tgt Ion:	136	Resp:	173743
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	12.8
54	6.6	6.0	9.0
68	5.3	4.6	6.8

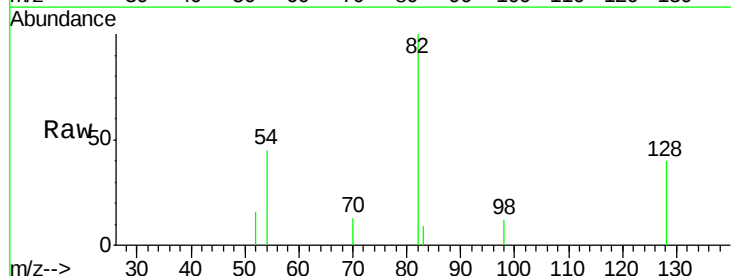


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

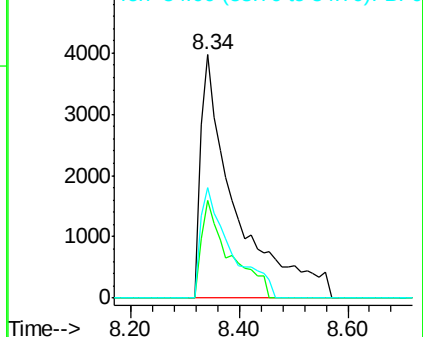
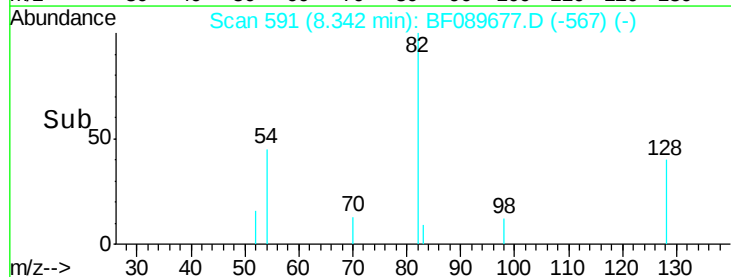


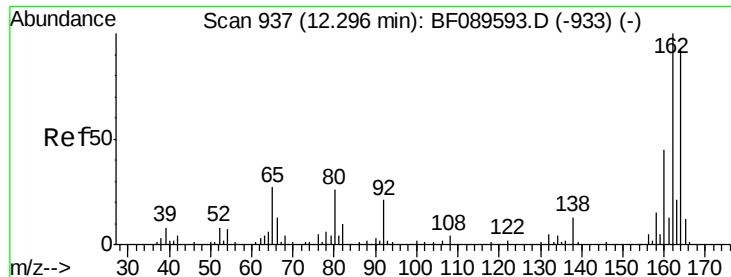
#23
Nitrobenzene-d5
Concen: 5.58 ng
RT: 8.34 min Scan# 591
Delta R.T. -0.02 min
Lab File: BF089677.D
Acq: 9 Aug 2016 00:04

Tgt Ion:	82	Resp:	17540
Ion	Ratio	Lower	Upper
82	100		
128	40.3	35.4	53.0
54	45.2	36.4	54.6



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

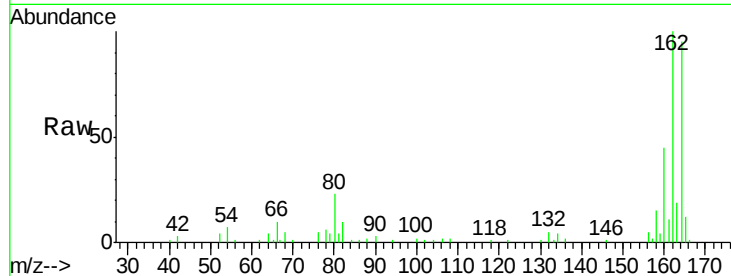




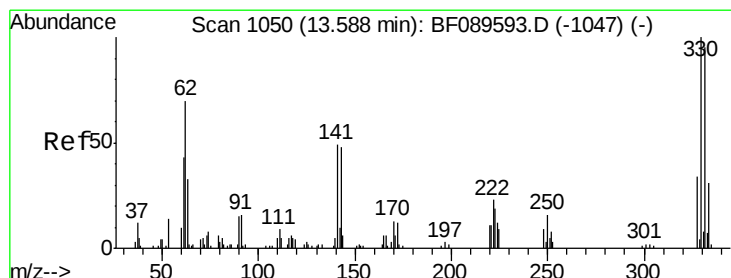
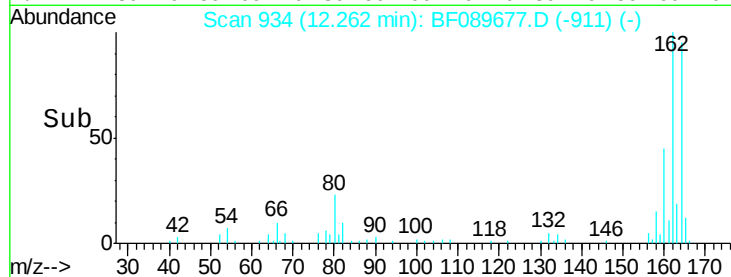
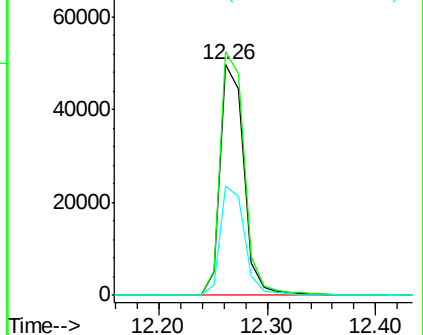
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Instrument :
 BNA_F
 ClientSampleId :
 WC1-GRAB

Tgt Ion:164 Resp: 75859
 Ion Ratio Lower Upper
 164 100
 162 105.6 85.7 128.5
 160 47.3 38.2 57.4

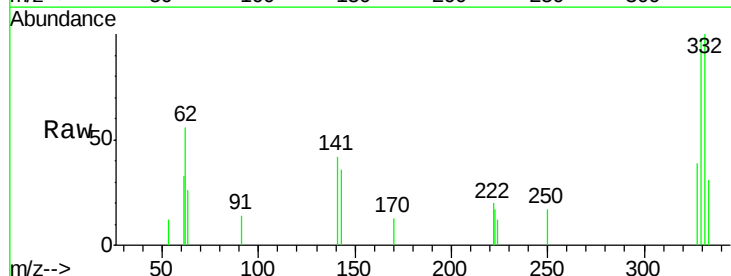


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

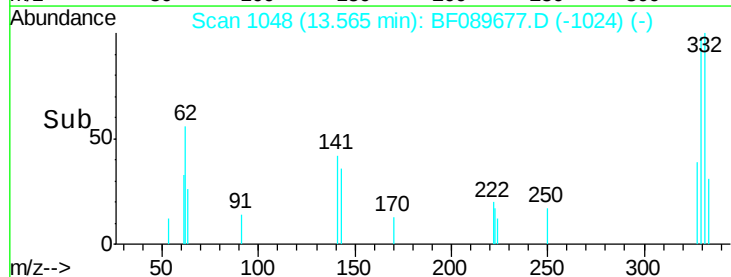
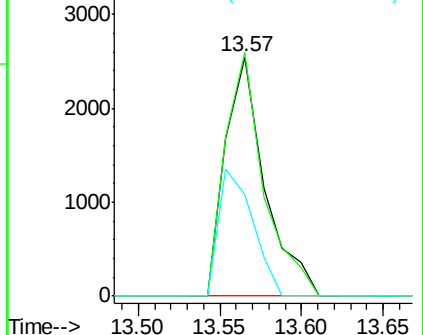


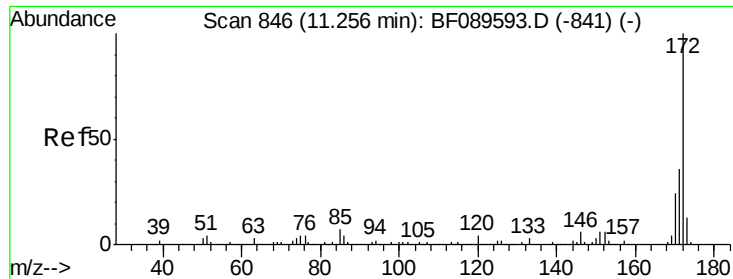
#41
 2,4,6-Tribromophenol
 Concen: 6.84 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Tgt Ion:330 Resp: 4284
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.0 115.6
 141 45.4 38.6 57.8



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

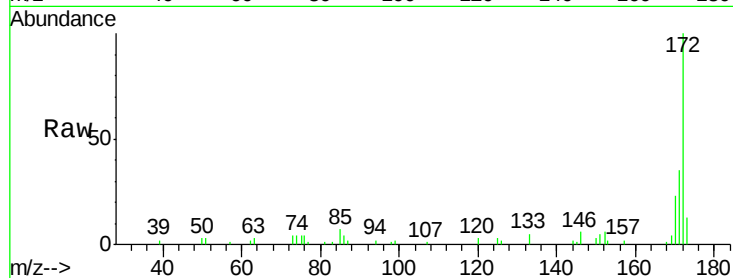




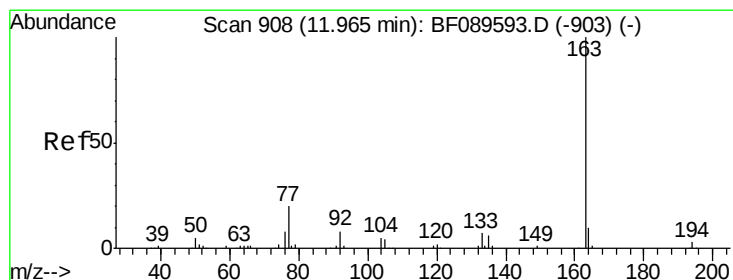
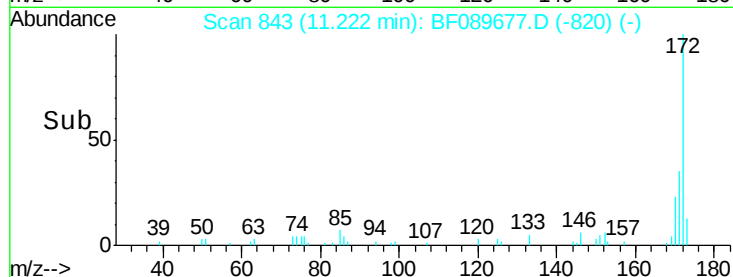
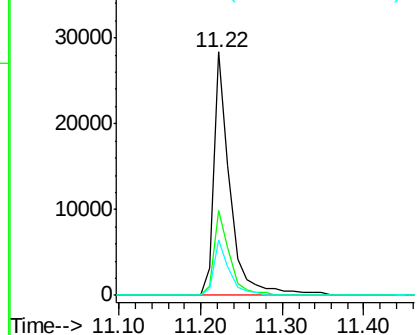
#44
2-Fluorobiphenyl
Concen: 6.77 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.03 min
Lab File: BF089677.D
Acq: 9 Aug 2016 00:04

Instrument :
BNA_F
ClientSampleId :
WC1-GRAB

Tgt Ion:172 Resp: 39501
Ion Ratio Lower Upper
172 100
171 34.6 28.9 43.3
170 22.9 19.0 28.6

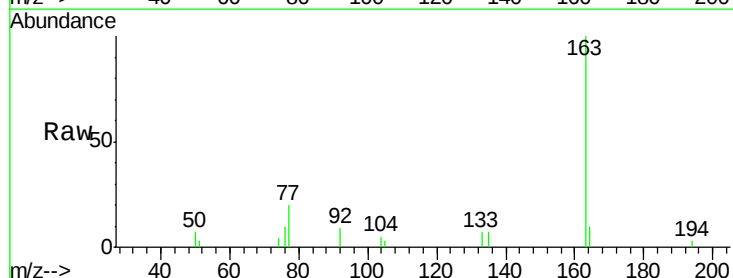


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

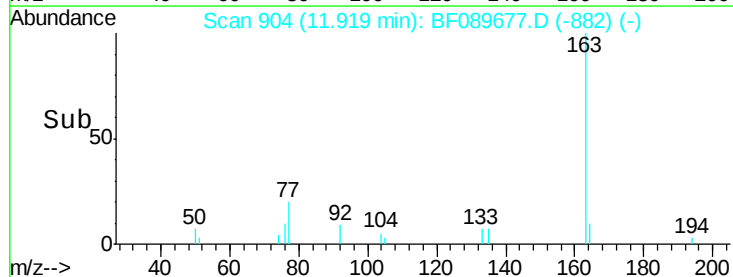
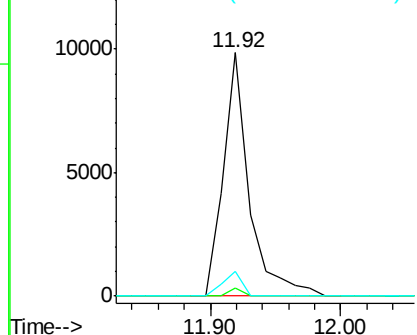


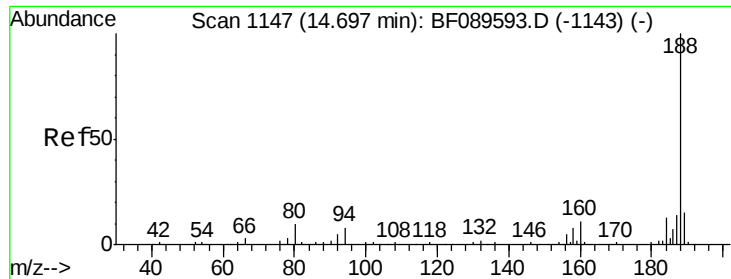
#49
Dimethylphthalate
Concen: 2.29 ng
RT: 11.92 min Scan# 904
Delta R.T. -0.05 min
Lab File: BF089677.D
Acq: 9 Aug 2016 00:04

Tgt Ion:163 Resp: 13604
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.9 7.8 11.6



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

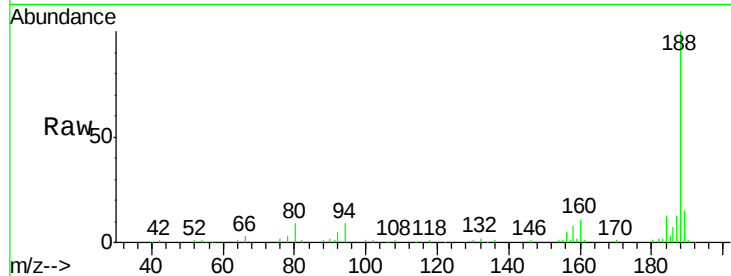




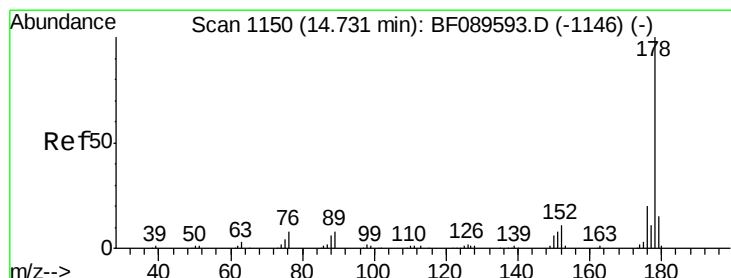
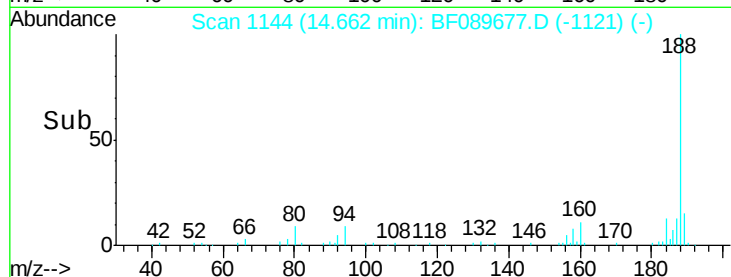
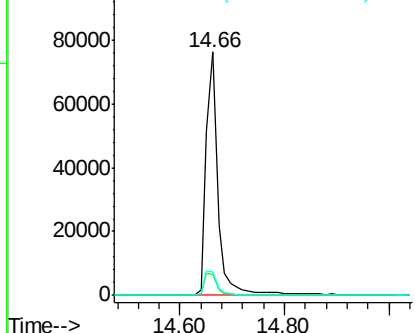
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF089677.D
Acq: 9 Aug 2016 00:04

Instrument :
BNA_F
ClientSampleId :
WC1-GRAB

Tgt Ion:188 Resp: 120609
Ion Ratio Lower Upper
188 100
94 8.7 6.5 9.7
80 9.4 8.0 12.0

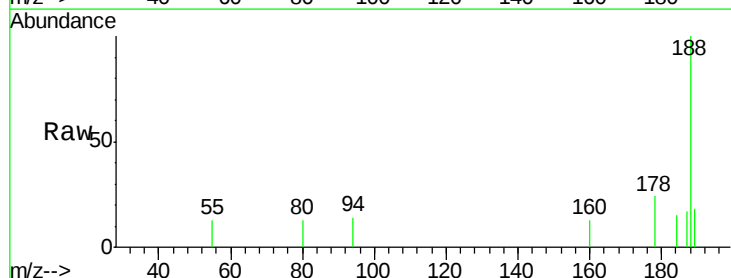


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

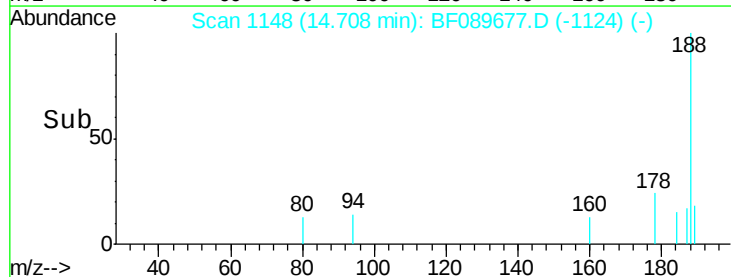
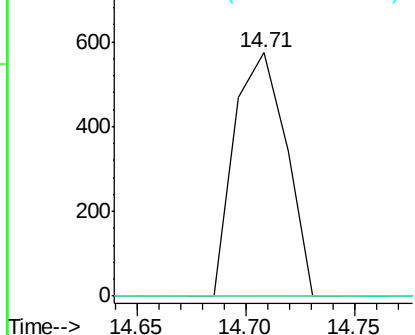


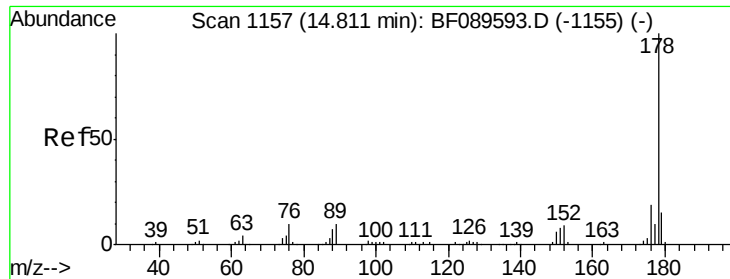
#70
Phenanthrene
Concen: 0.14 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF089677.D
Acq: 9 Aug 2016 00:04

Tgt Ion:178 Resp: 949
Ion Ratio Lower Upper
178 100
176 0.0 15.7 23.5#
179 0.0 12.2 18.2#



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

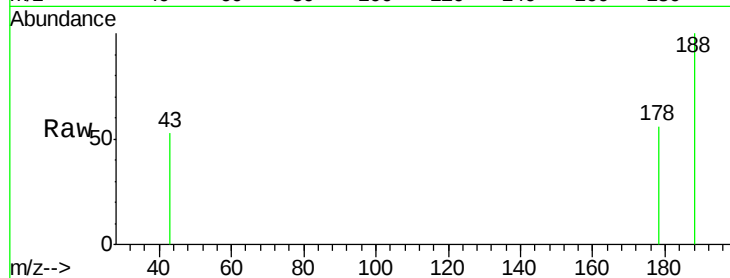




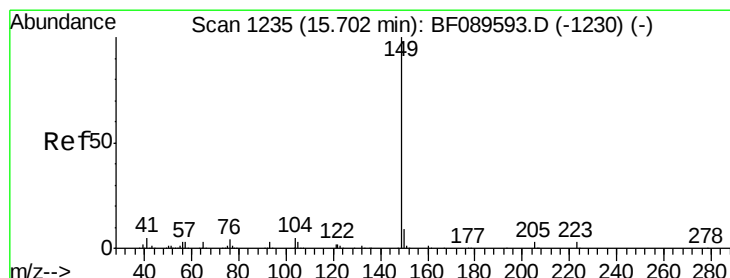
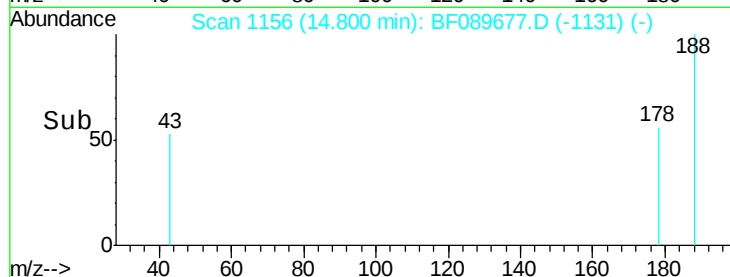
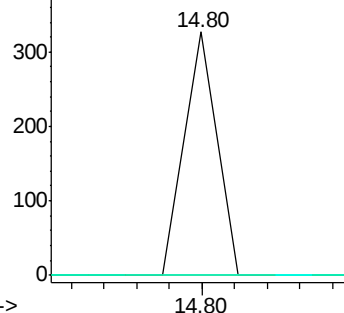
#71
 Anthracene
 Concen: 0.03 ng
 RT: 14.80 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Instrument :
 BNA_F
 ClientSampleId :
 WC1-GRAB

Tgt Ion:178 Resp: 224
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.0 22.4#
 179 0.0 12.4 18.6#

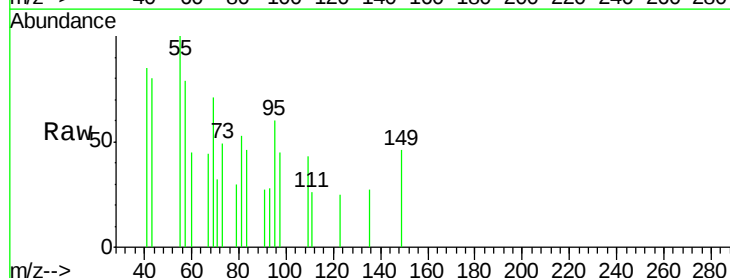


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

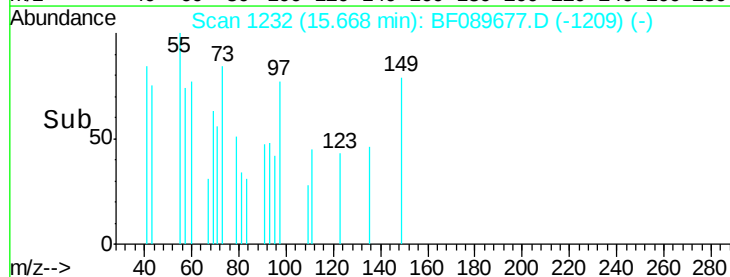
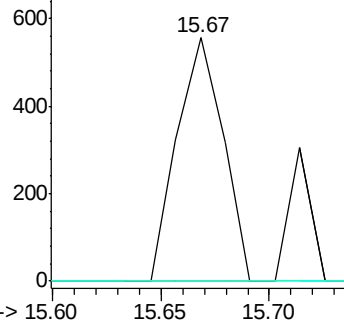


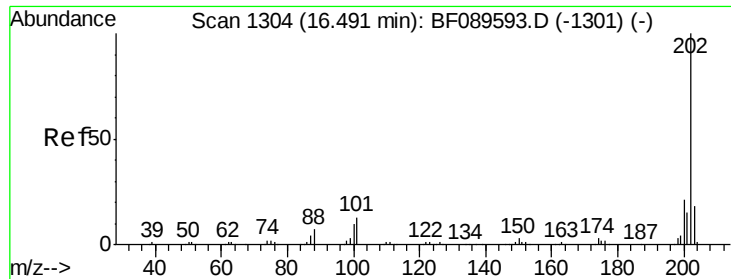
#73
 Di-n-butylphthalate
 Concen: 0.10 ng
 RT: 15.67 min Scan# 1232
 Delta R.T. -0.03 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Tgt Ion:149 Resp: 822
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.2 10.8#
 104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

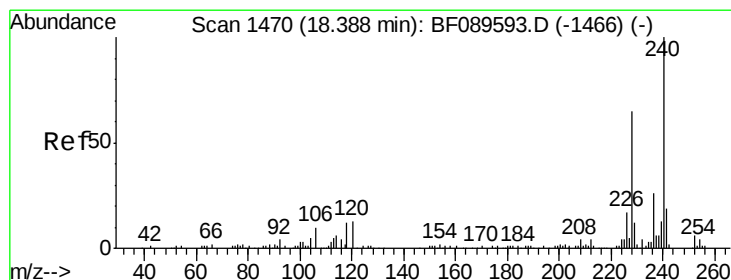
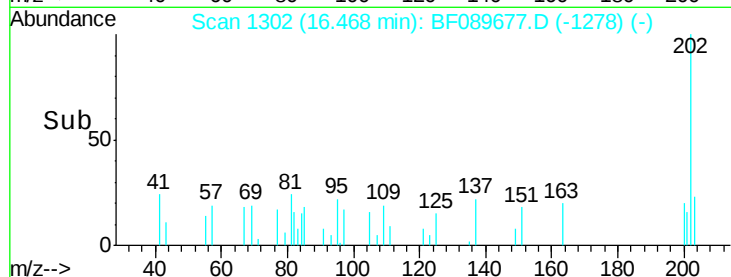
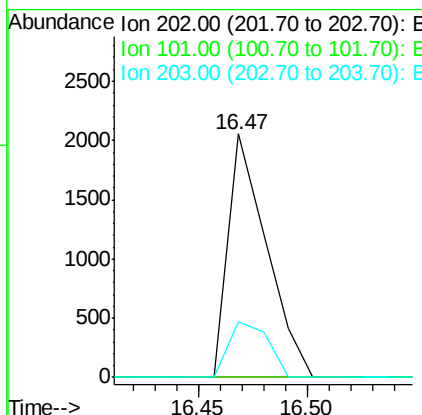
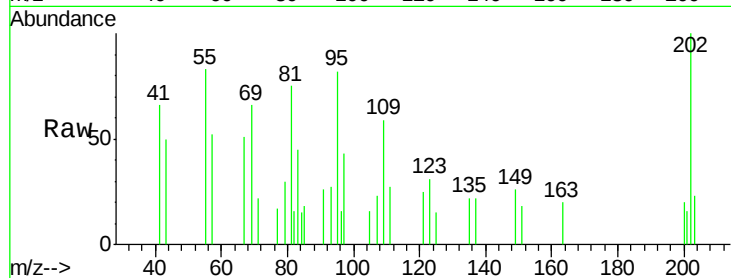




#74
 Fluoranthene
 Concen: 0.37 ng
 RT: 16.47 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

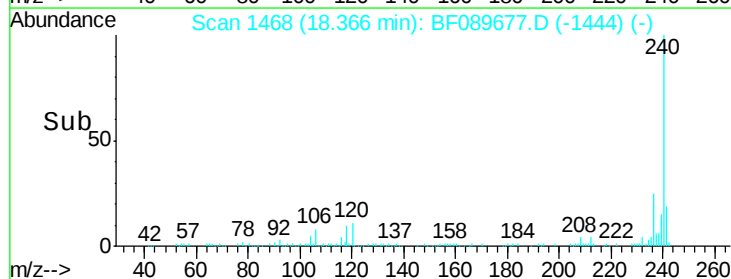
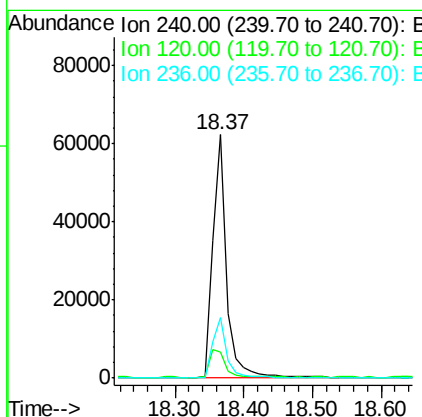
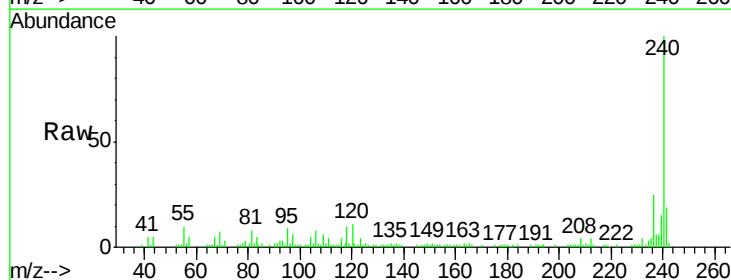
Instrument :
 BNA_F
 ClientSampleId :
 WC1-GRAB

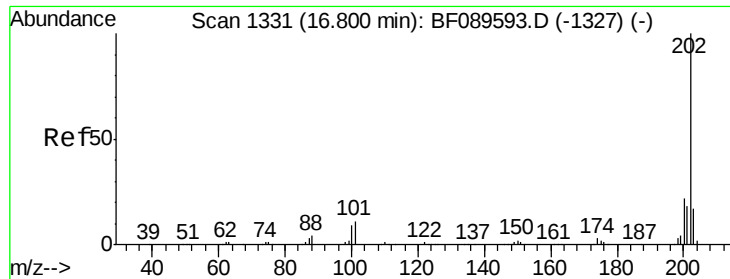
Tgt Ion: 202 Resp: 2521
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 32.7
 203 22.6 0.0 37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.37 min Scan# 1468
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Tgt Ion: 240 Resp: 88042
 Ion Ratio Lower Upper
 240 100
 120 10.9 10.6 15.8
 236 24.8 20.6 30.8

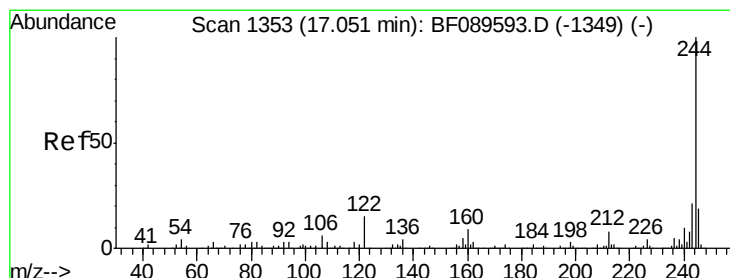
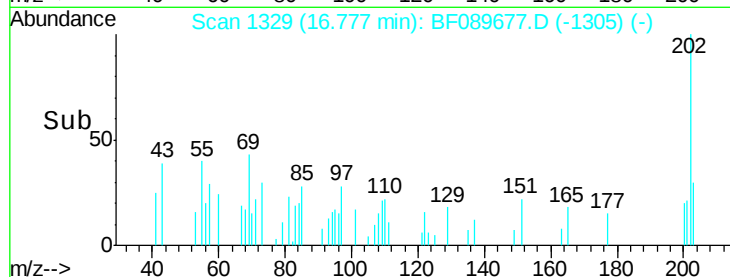
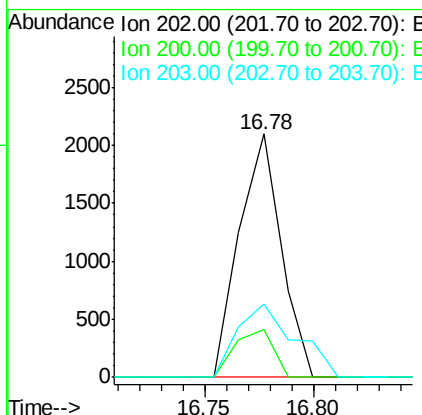
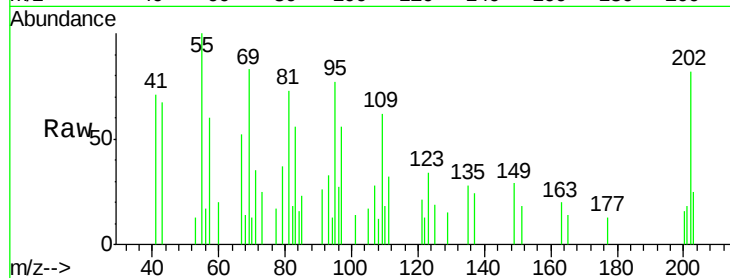




#77
 Pyrene
 Concen: 0.36 ng
 RT: 16.78 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

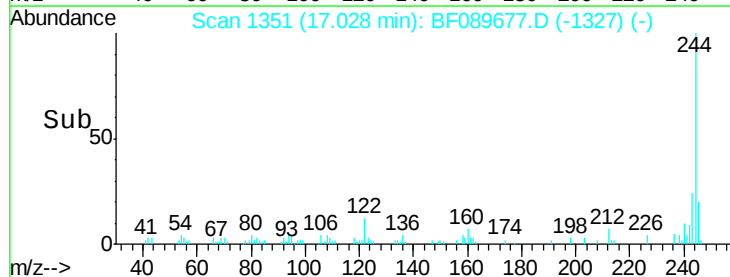
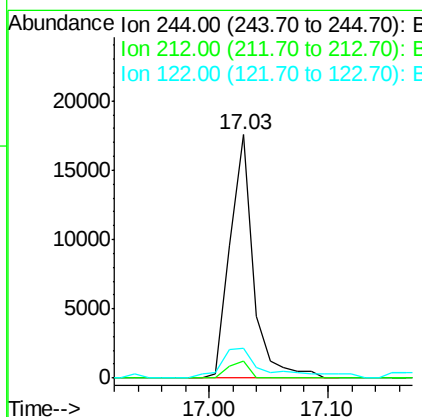
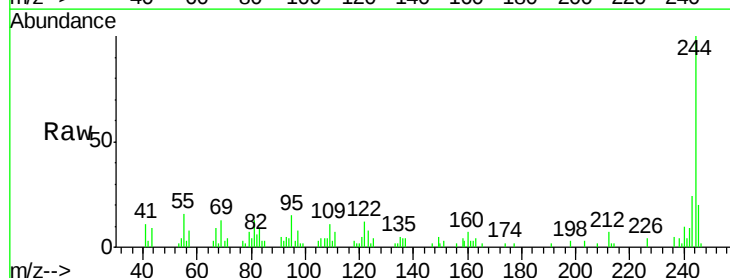
Instrument :
 BNA_F
 ClientSampled :
 WC1-GRAB

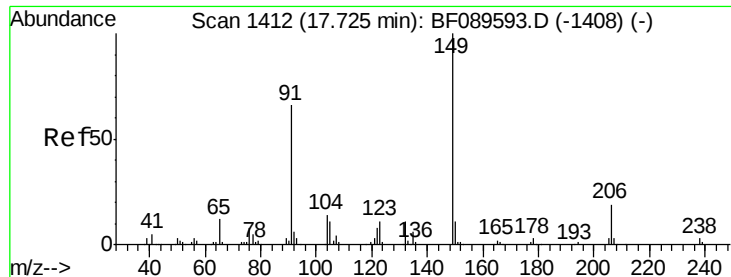
Tgt Ion: 202 Resp: 2811
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.4 26.0
 203 30.3 13.6 20.4#



#78
 Terphenyl-d14
 Concen: 5.35 ng
 RT: 17.03 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Tgt Ion: 244 Resp: 23882
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.4 9.6
 122 12.2 12.2 18.2





#79

Butylbenzylphthalate

Concen: 0.34 ng

RT: 17.70 min Scan# 1410

Delta R.T. -0.02 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

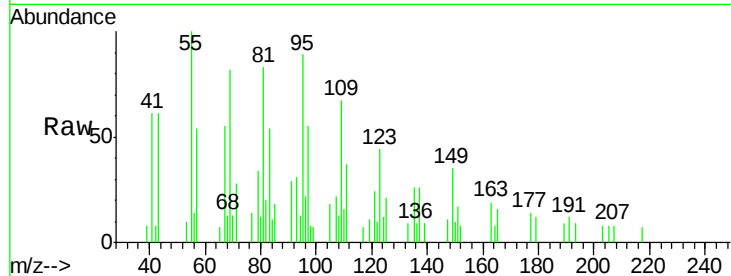
Tgt Ion:149 Resp: 1119

Ion Ratio Lower Upper

149 100

91 82.1 52.6 78.8#

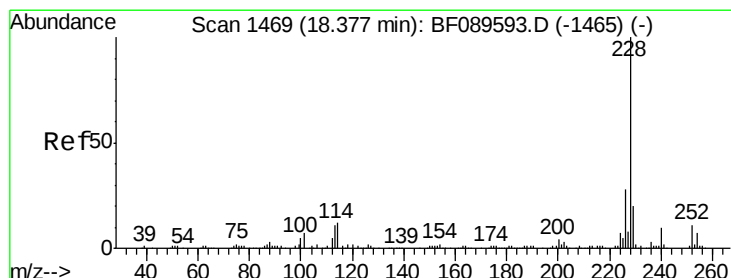
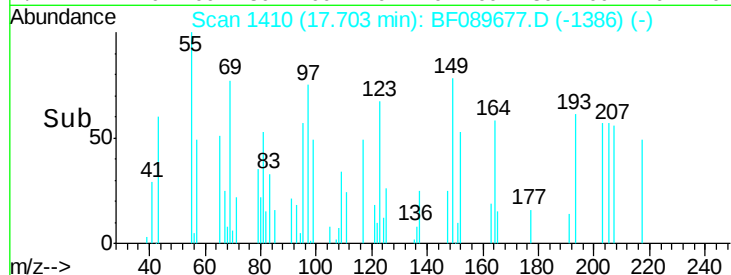
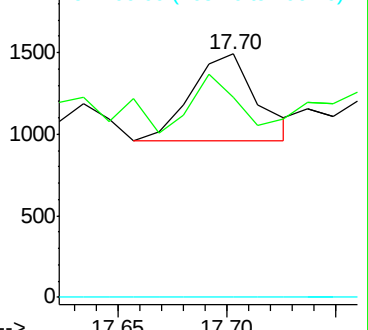
206 0.0 15.4 23.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.40 ng

RT: 18.35 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

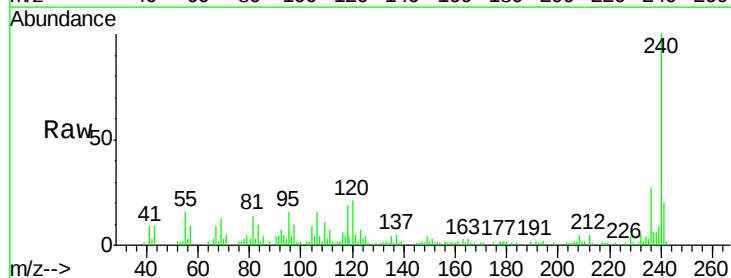
Tgt Ion:228 Resp: 2040

Ion Ratio Lower Upper

228 100

226 35.9 22.3 33.5#

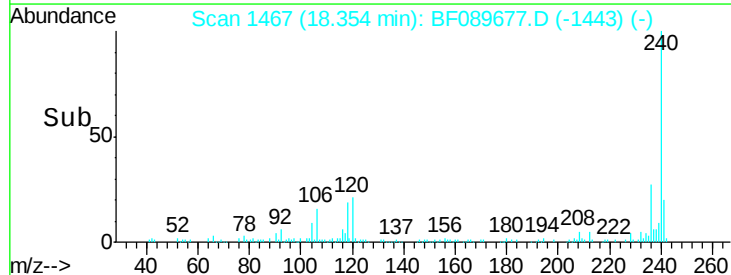
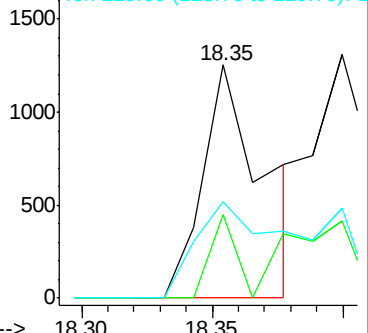
229 41.4 15.9 23.9#

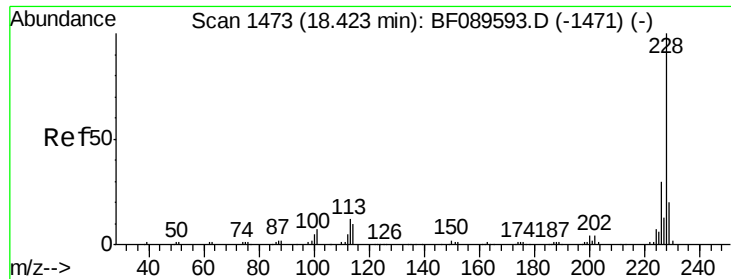


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.36 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

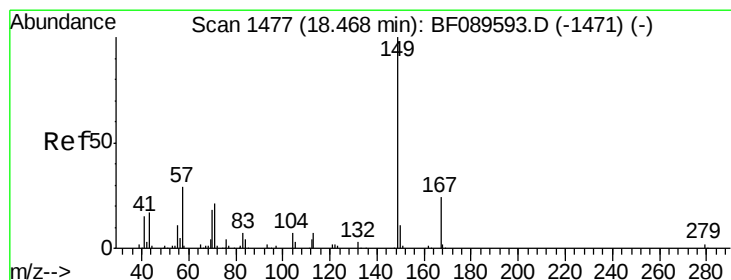
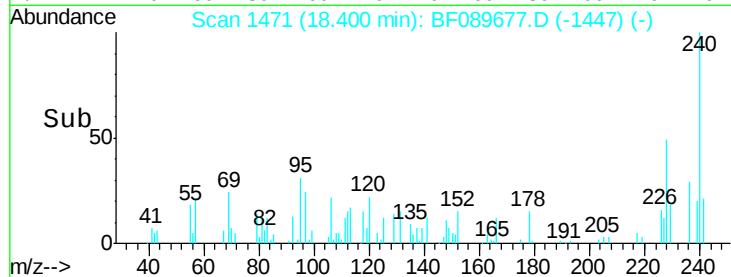
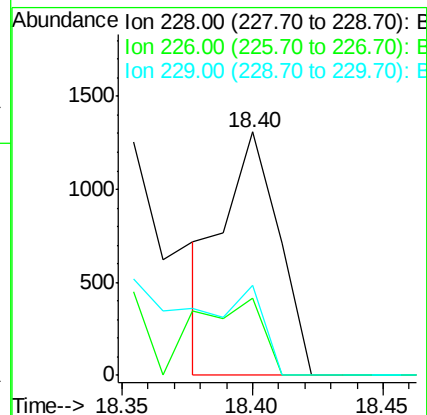
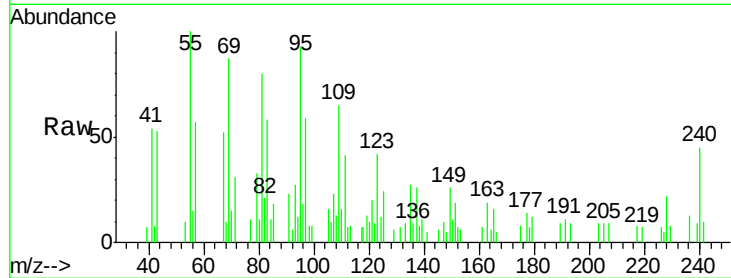
Tgt Ion:228 Resp: 1911

Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.2

229 37.0 16.0 24.0#



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.61 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

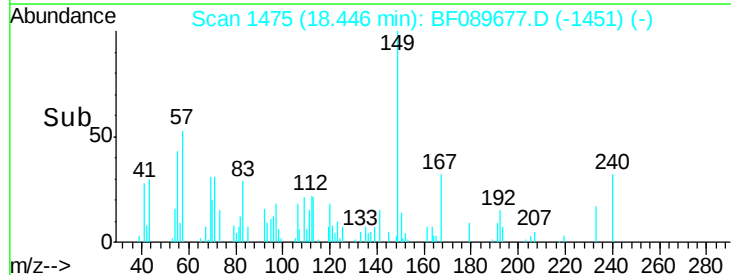
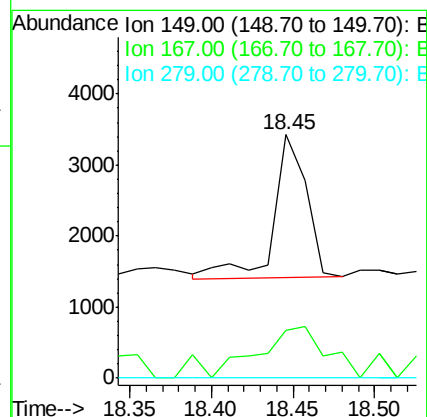
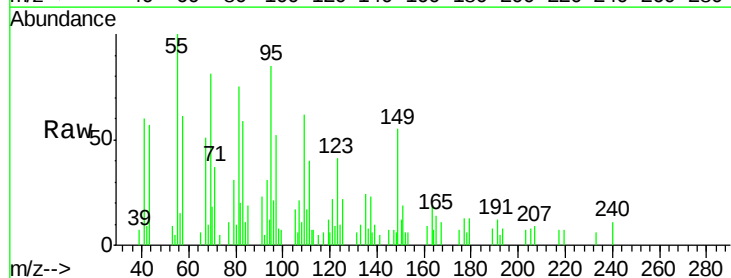
Tgt Ion:149 Resp: 2799

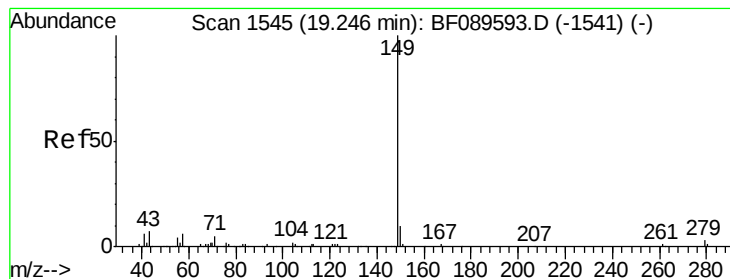
Ion Ratio Lower Upper

149 100

167 19.9 19.0 28.4

279 0.0 1.8 2.6#





#84

Di-n-octyl phthalate

Concen: 0.07 ng

RT: 19.20 min Scan# 1541

Delta R.T. -0.05 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

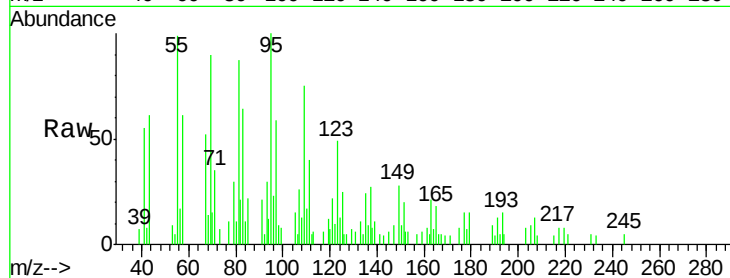
Tgt Ion:149 Resp: 445

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

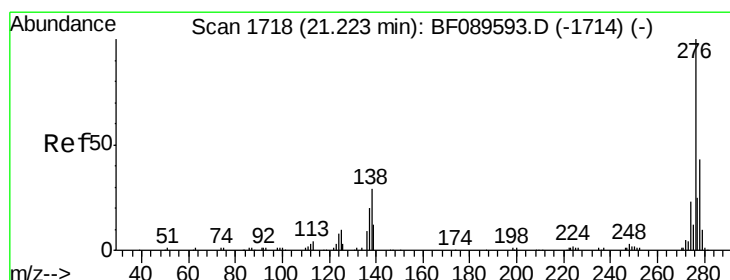
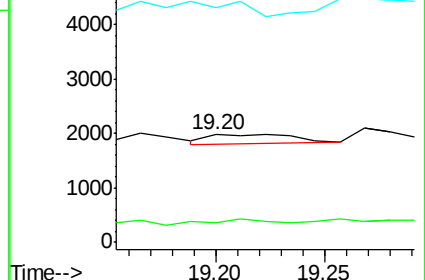
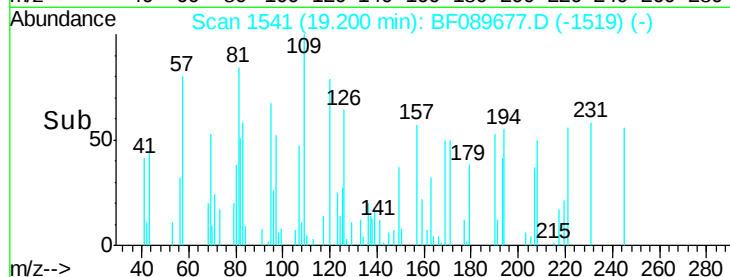
43 0.0 7.0 10.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.49 ng

RT: 21.21 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

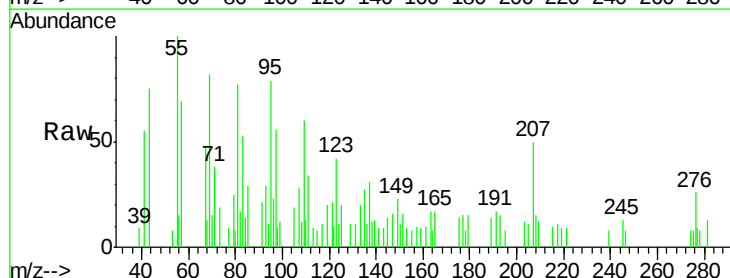
Tgt Ion:276 Resp: 1956

Ion Ratio Lower Upper

276 100

138 125.4 23.8 35.8#

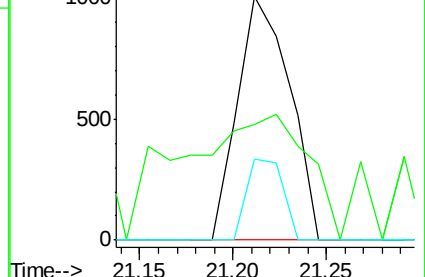
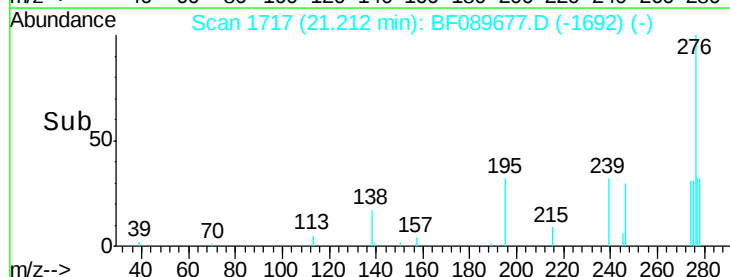
277 23.0 20.3 30.5

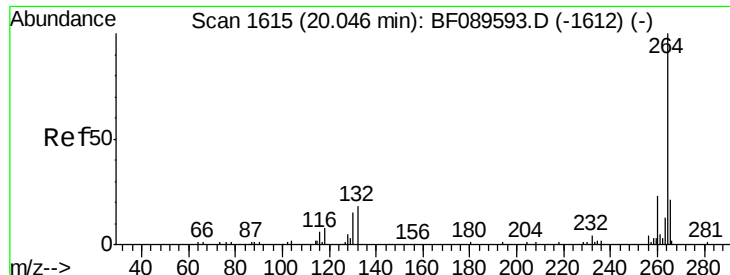


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

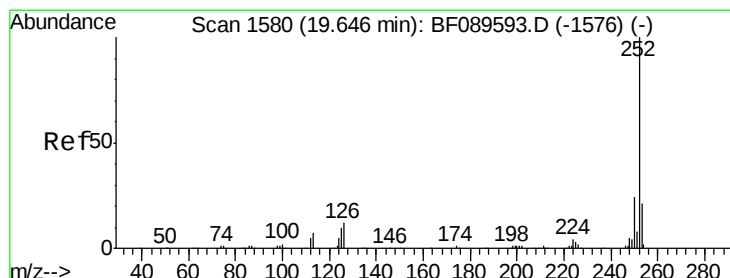
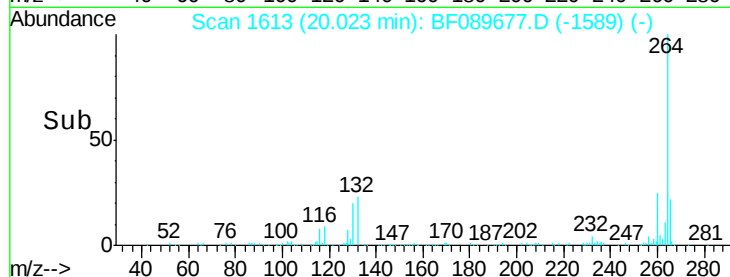
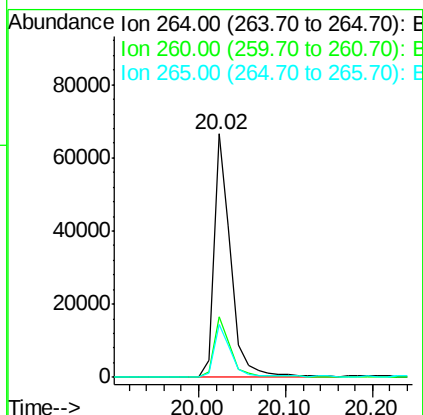
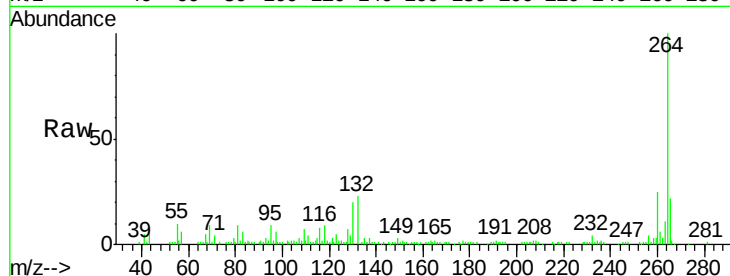




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

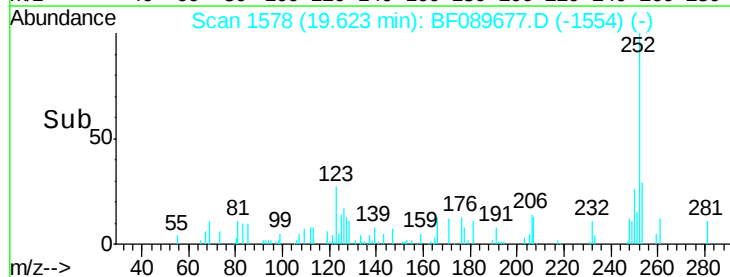
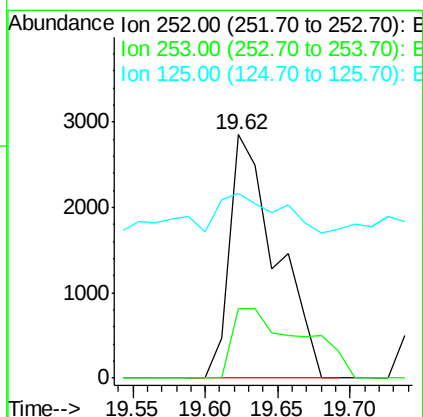
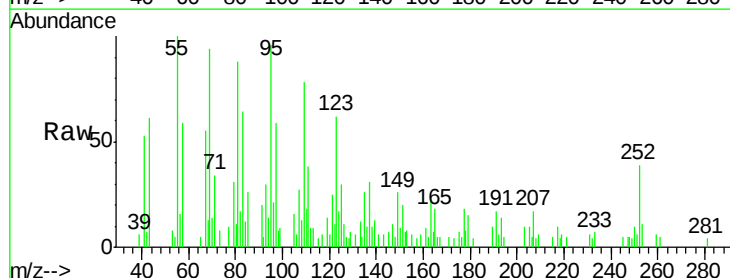
Instrument :
 BNA_F
 ClientSampleId :
 WC1-GRAB

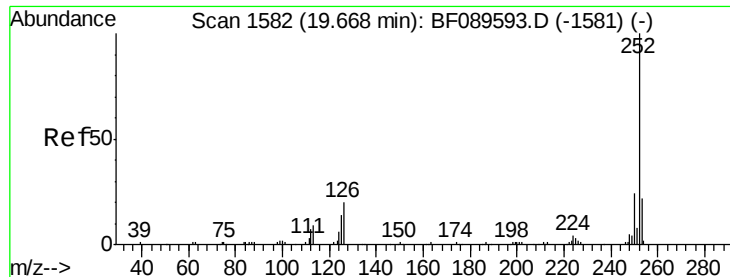
Tgt Ion: 264 Resp: 90087
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.7 28.1
 265 22.0 16.5 24.7



#87
 Benzo(b)fluoranthene
 Concen: 1.15 ng
 RT: 19.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF089677.D
 Acq: 9 Aug 2016 00:04

Tgt Ion: 252 Resp: 6361
 Ion Ratio Lower Upper
 252 100
 253 28.7 17.1 25.7#
 125 76.0 7.8 11.8#





#88

Benzo(k)fluoranthene

Concen: 1.14 ng

RT: 19.62 min Scan# 1578

Delta R.T. -0.05 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

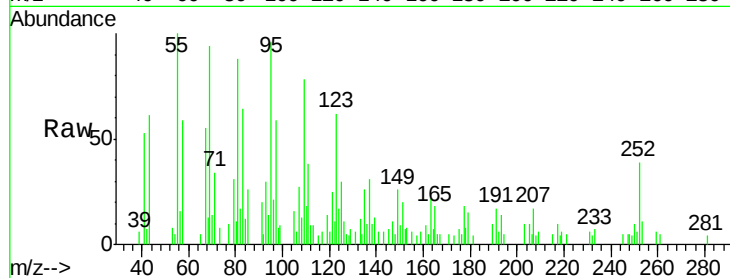
Tgt Ion:252 Resp: 6361

Ion Ratio Lower Upper

252 100

253 28.7 17.3 25.9#

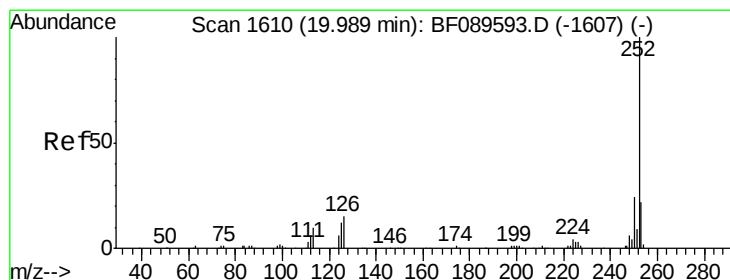
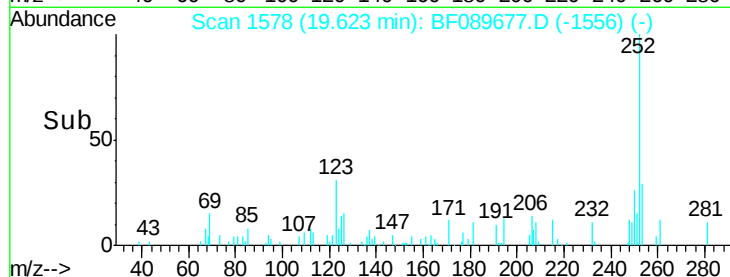
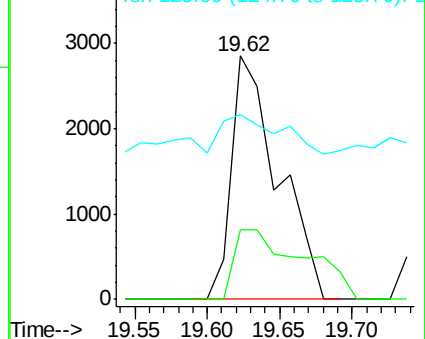
125 76.0 11.0 16.6#



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



#89

Benzo(a)pyrene

Concen: 0.41 ng

RT: 19.98 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

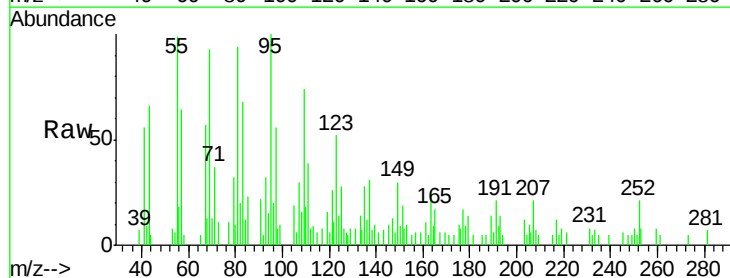
Tgt Ion:252 Resp: 2126

Ion Ratio Lower Upper

252 100

253 38.1 17.4 26.0#

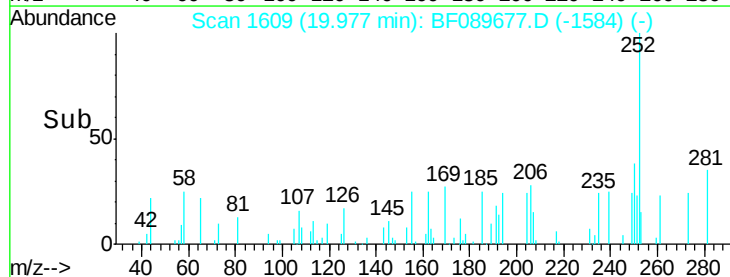
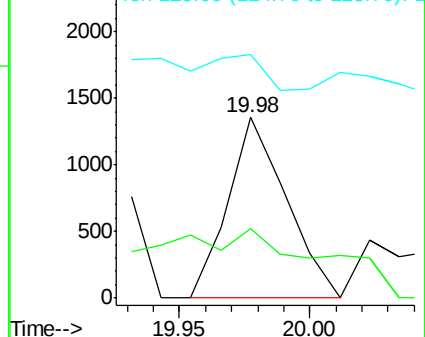
125 134.6 9.9 14.9#

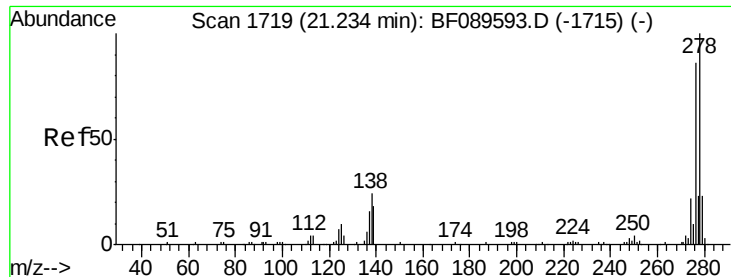


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 21.21 min Scan# 1717

Delta R.T. -0.02 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

Instrument :

BNA_F

ClientSampleId :

WC1-GRAB

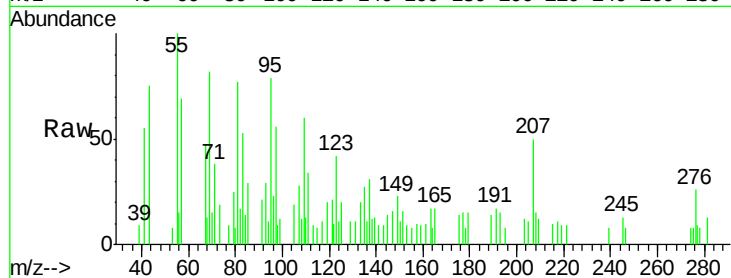
Tgt Ion: 278 Resp: 221

Ion Ratio Lower Upper

278 100

139 153.6 14.6 21.8#

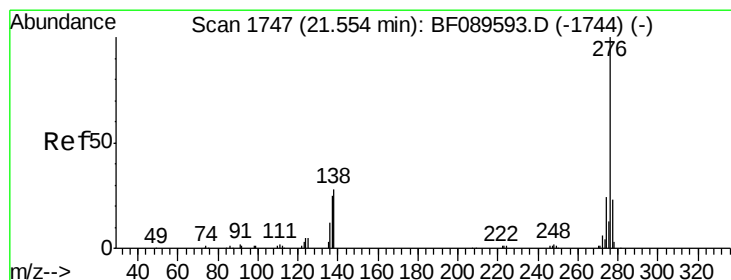
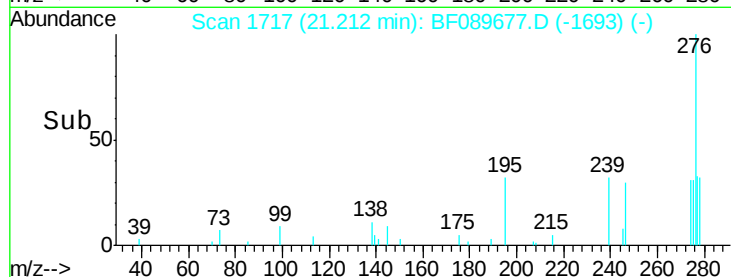
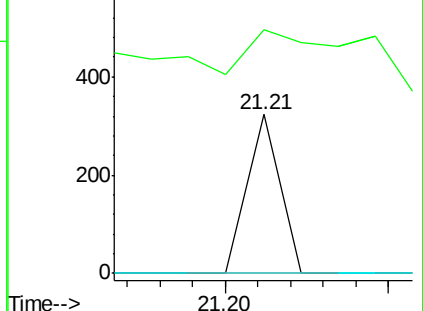
279 0.0 18.4 27.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 0.49 ng

RT: 21.55 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BF089677.D

Acq: 9 Aug 2016 00:04

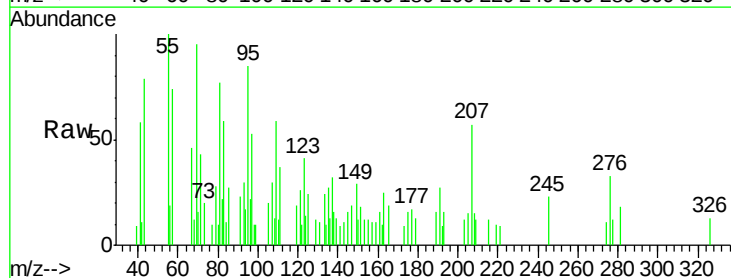
Tgt Ion: 276 Resp: 2414

Ion Ratio Lower Upper

276 100

277 35.6 18.6 28.0#

138 48.7 22.6 33.8#



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

