

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093929.D
 Acq On : 25 Mar 2017 1:41
 Operator : SJ/MA
 Sample : I2364-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-11

Quant Time: Mar 25 04:06:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	171772	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	670413	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	284735	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	423547	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	315280	20.00	ng	-0.03
86) Perylene-d12	16.32	264	255902	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1080325	106.23	ng	0.00
7) Phenol-d6	5.56	99	1363961	108.41	ng	-0.01
23) Nitrobenzene-d5	6.61	82	835674	71.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	231026	102.68	ng	-0.03
44) 2-Fluorobiphenyl	8.79	172	1315028	70.44	ng	-0.04
78) Terphenyl-d14	13.41	244	757375	53.85	ng	-0.03

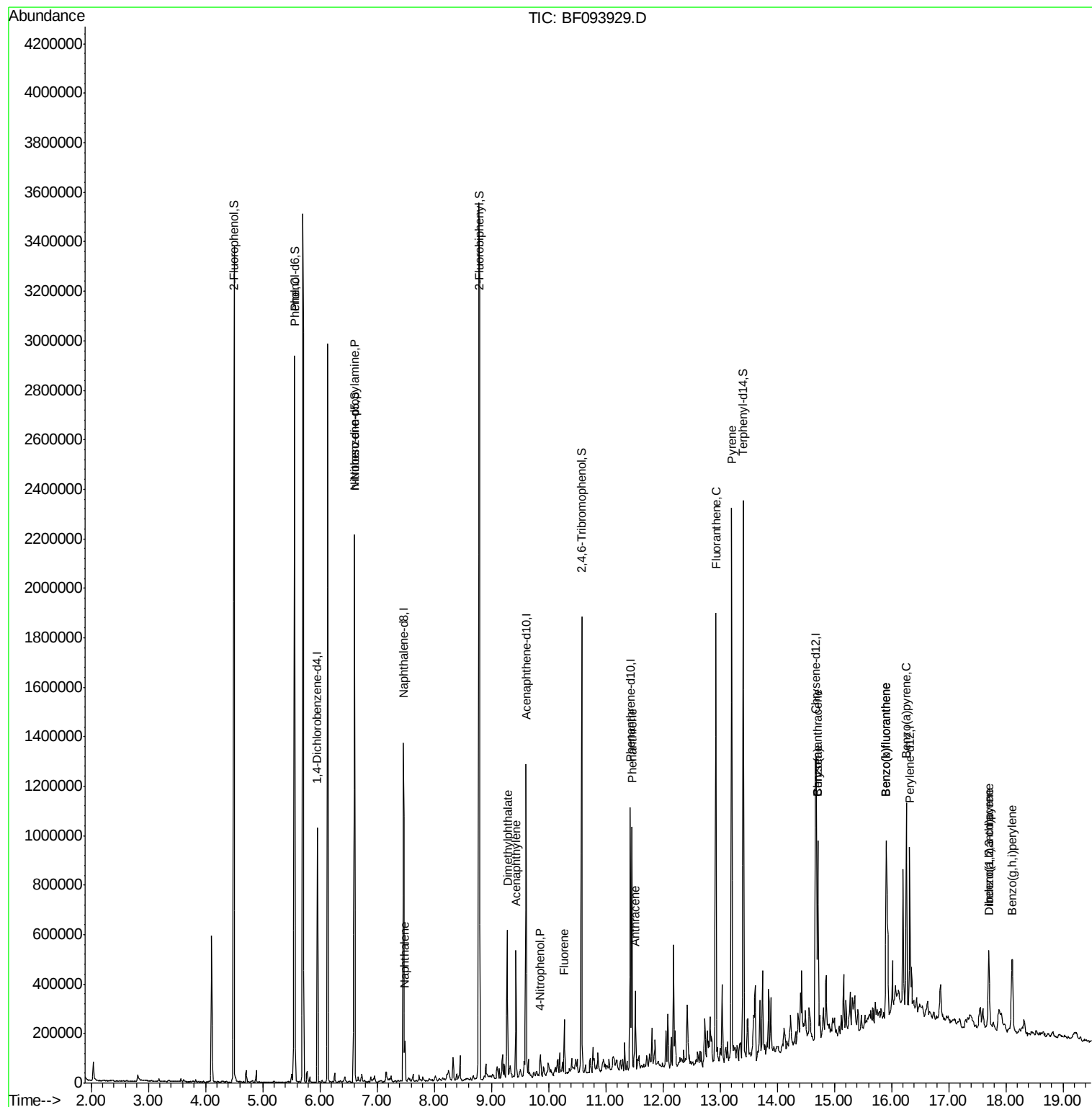
Target Compounds				Qvalue		
10) Phenol	5.57	94	62936	4.40	ng	95
19) n-Nitroso-di-n-propylamine	6.61	70	109451	13.54	ng	# 79
31) Naphthalene	7.49	128	86301	2.68	ng	99
48) Acenaphthylene	9.43	152	246199	8.24	ng	98
49) Dimethylphthalate	9.28	163	218300	10.79	ng	99
55) 4-Nitrophenol	9.86	139	11404	2.67	ng	# 34
57) Fluorene	10.28	166	64230	3.26	ng	99
70) Phenanthrene	11.46	178	419721	17.81	ng	98
71) Anthracene	11.52	178	124764	5.14	ng	97
74) Fluoranthene	12.93	202	772007	32.00	ng	100
77) Pyrene	13.21	202	1133726	49.55	ng	100
80) Benzo(a)anthracene	14.72	228	342354	18.62	ng	97
82) Chrysene	14.72	228	342354	20.07	ng	98
85) Indeno(1,2,3-cd)pyrene	17.70	276	185485	12.55	ng	96
87) Benzo(b)fluoranthene	15.92	252	528407	33.69	ng	# 95
88) Benzo(k)fluoranthene	15.92	252	528407	34.43	ng	98
89) Benzo(a)pyrene	16.26	252	330305	22.87	ng	99
90) Dibenzo(a,h)anthracene	17.72	278	36568	2.99	ng	# 87
91) Benzo(a,h,i)perylene	18.12	276	214227	17.38	ng	97

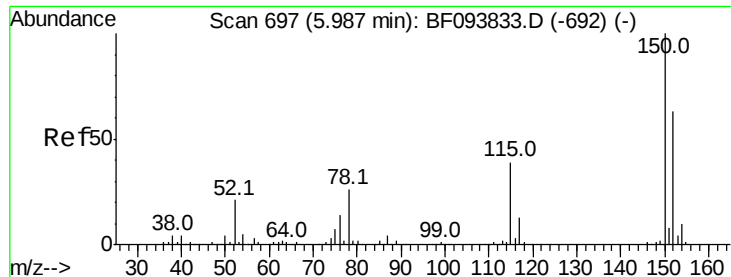
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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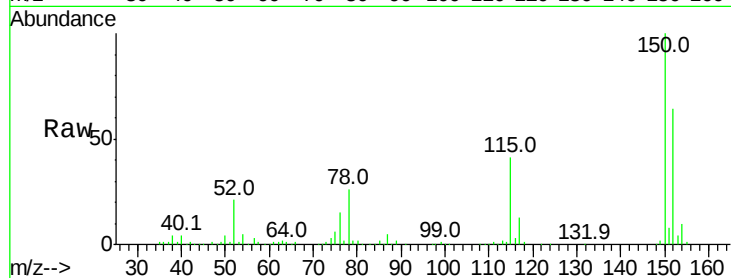


#1

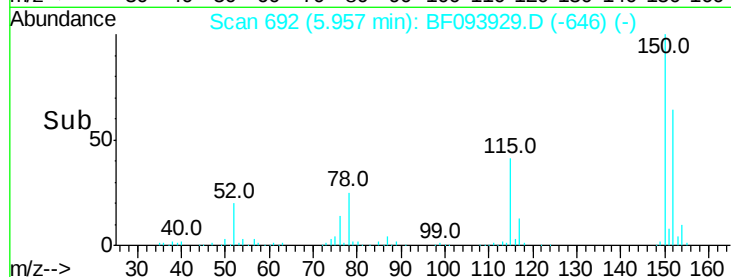
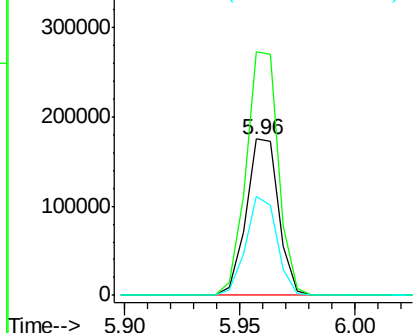
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.96 min Scan# 692
Delta R.T. -0.03 min
Lab File: BF093929.D
Acq: 25 Mar 2017 1:41

Instrument :
BNA_F
ClientSampleId :
WC-COMP-11

Tot Ion:152 Resp: 171772
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 63.8 52.2 78.2



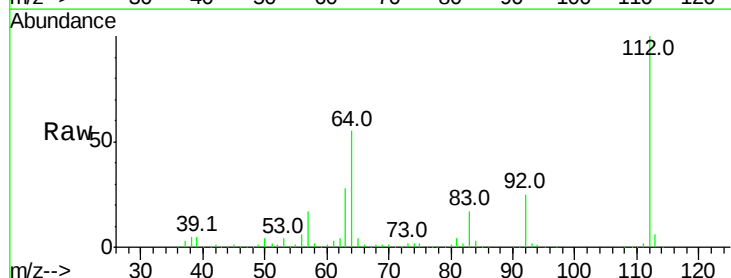
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



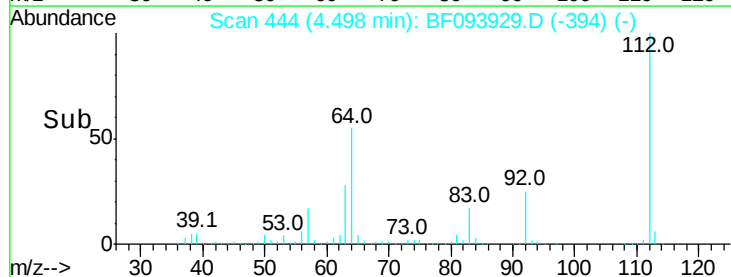
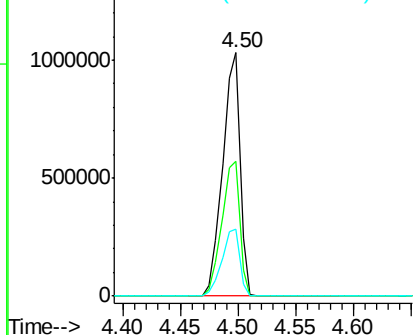
#5

2-Fluorophenol
Concen: 106.23 ng
RT: 4.50 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF093929.D
Acq: 25 Mar 2017 1:41

Tgt Ion:112 Resp: 1080325
Ion Ratio Lower Upper
112 100
64 55.4 46.0 69.0
63 27.7 23.4 35.0



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: 108.41 ng

RT: 5.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

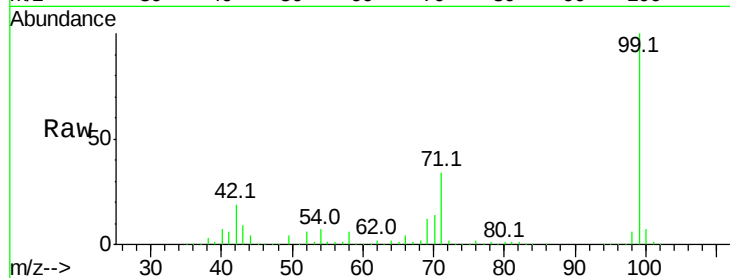
BNA_F

ClientSampleId :

WC-COMP-11

Tot Ion: 99 Resp: 1363961

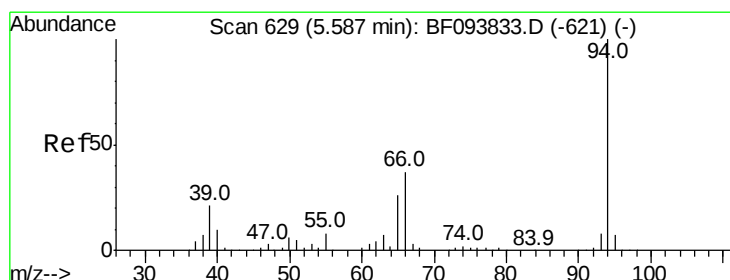
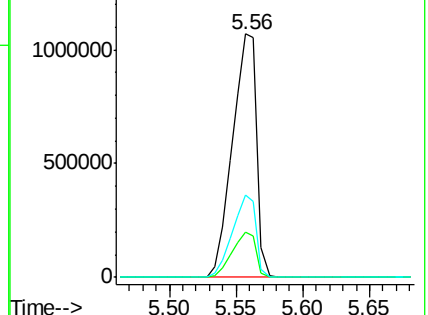
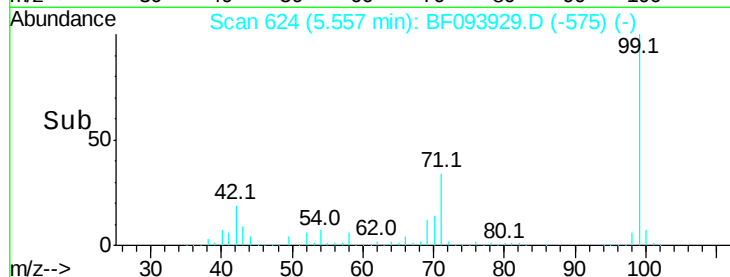
Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	33.6	24.5	36.7



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



#10

Phenol

Concen: 4.40 ng

RT: 5.57 min Scan# 626

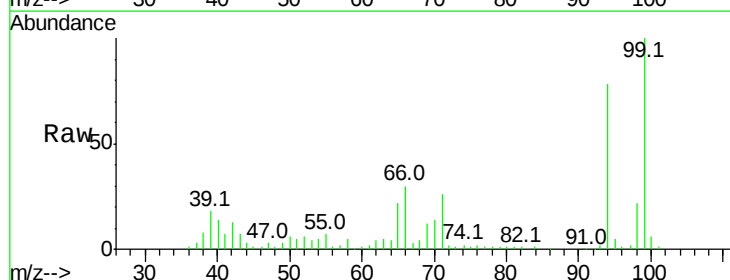
Delta R.T. -0.02 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Tgt Ion: 94 Resp: 62936

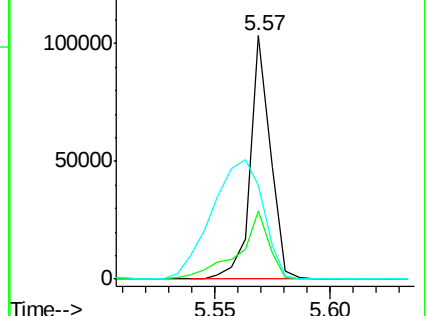
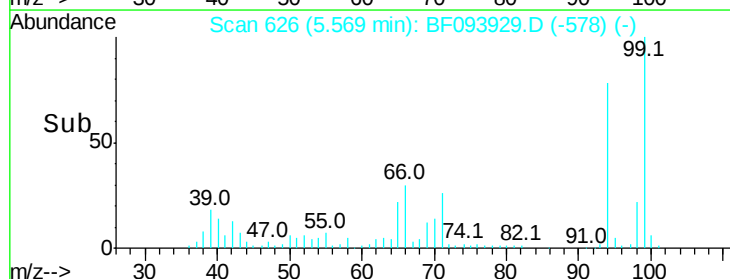
Ion	Ratio	Lower	Upper
94	100		
65	28.1	9.9	49.9
66	38.7	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.54 ng

RT: 6.61 min Scan# 803

Delta R.T. 0.14 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-11

Tot Ion: 70 Resp: 109451

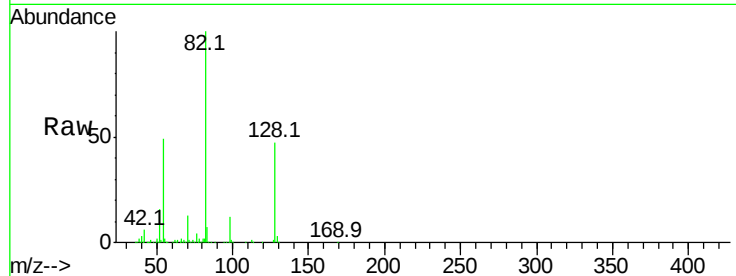
Ion Ratio Lower Upper

70 100

42 48.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

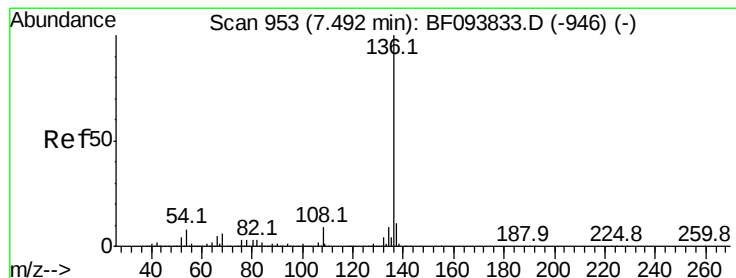
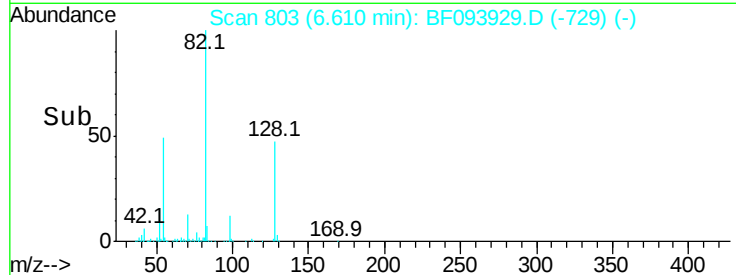
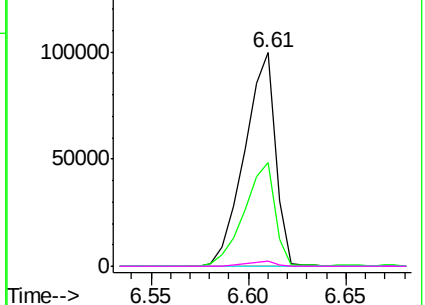


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Tgt Ion: 136 Resp: 670413

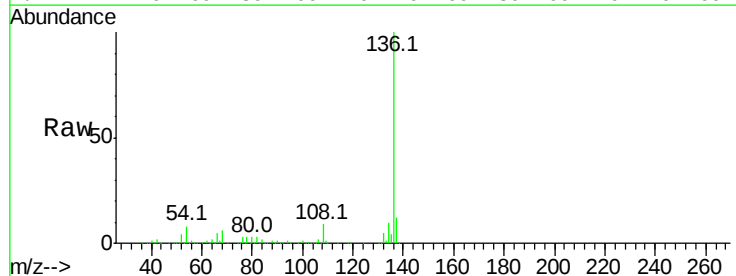
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 8.0 4.9 7.3#

68 6.2 4.1 6.1#

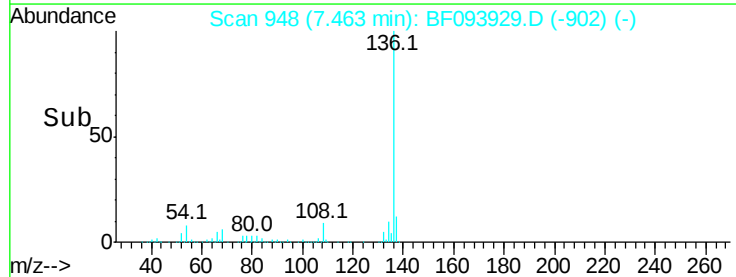
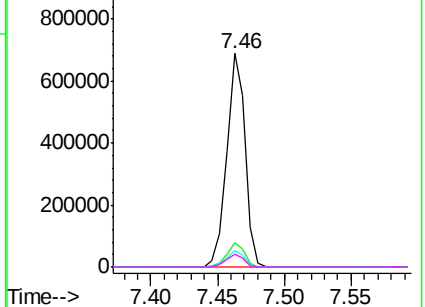


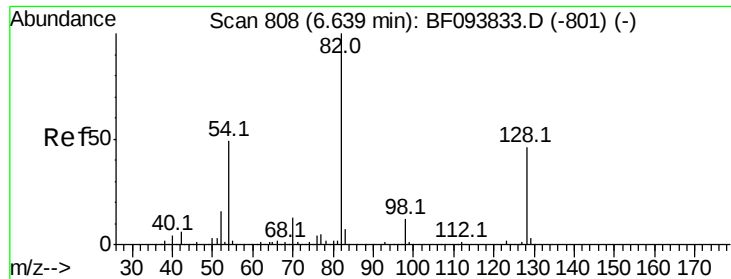
Abundance Ion 136.00 (135.70 to 136.70): E

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

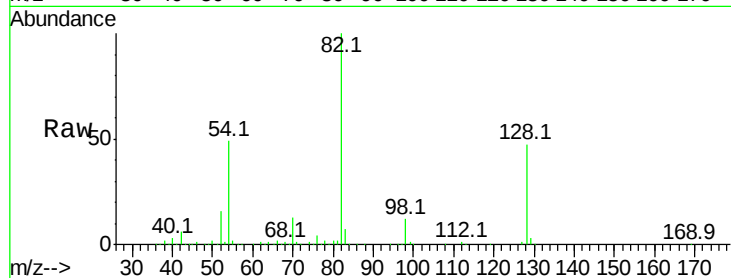




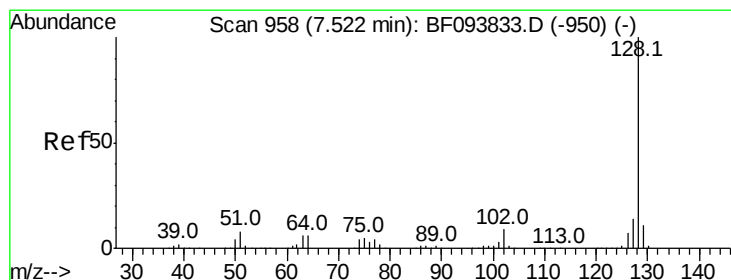
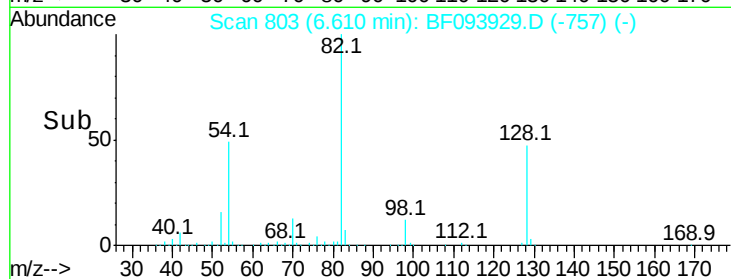
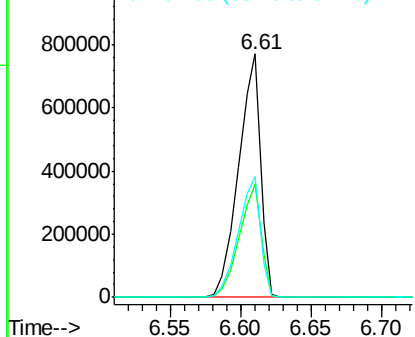
#23
 Nitrobenzene-d5
 Concen: 71.14 ng
 RT: 6.61 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-11

Tot Ion: 82 Resp: 835674
 Ion Ratio Lower Upper
 82 100
 128 46.6 34.0 51.0
 54 49.4 42.2 63.2

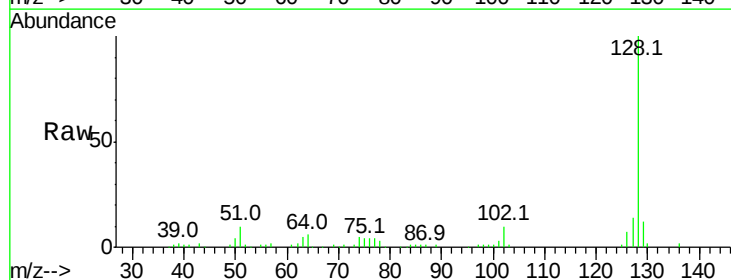


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

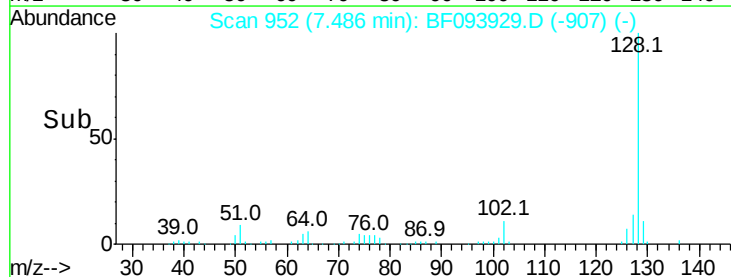
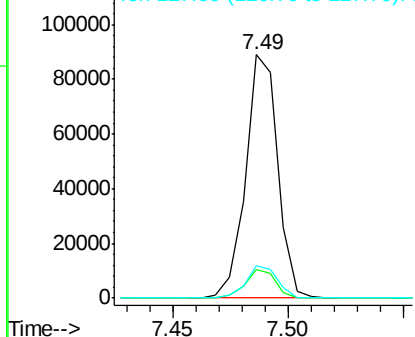


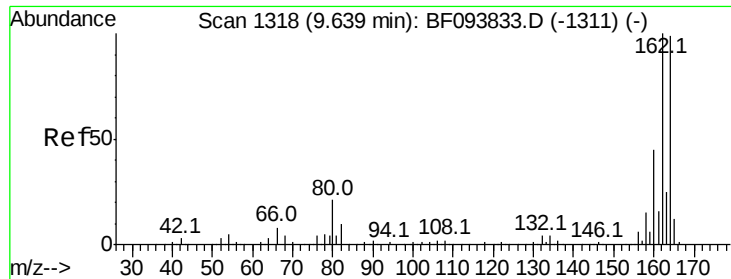
#31
 Naphthalene
 Concen: 2.68 ng
 RT: 7.49 min Scan# 952
 Delta R.T. -0.04 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

Tgt Ion: 128 Resp: 86301
 Ion Ratio Lower Upper
 128 100
 129 11.8 9.0 13.6
 127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

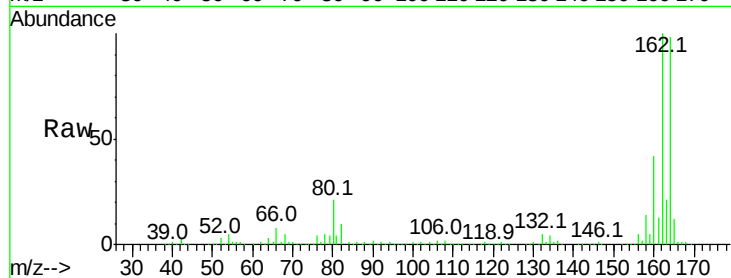




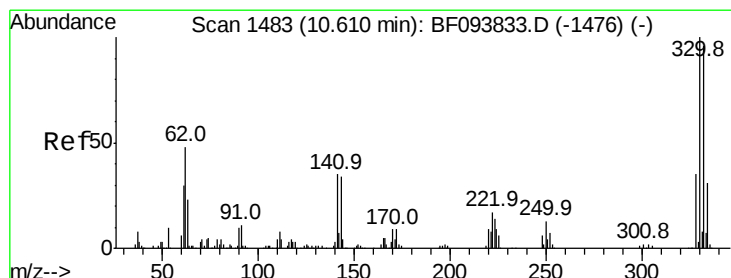
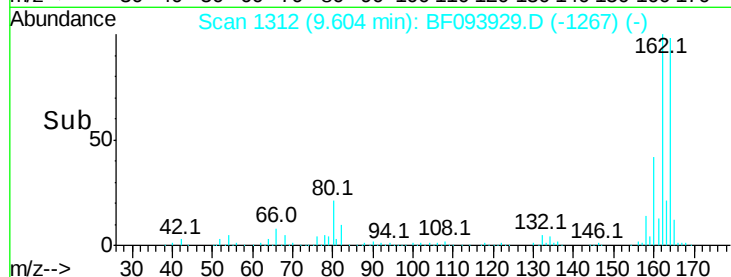
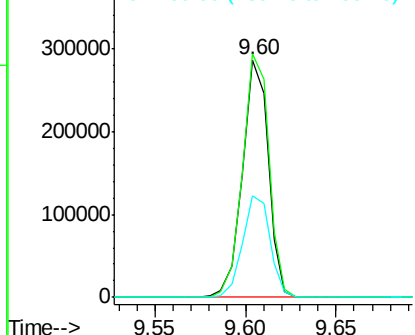
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.04 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-11

Tot Ion:164 Resp: 284735
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 43.0 36.2 54.2

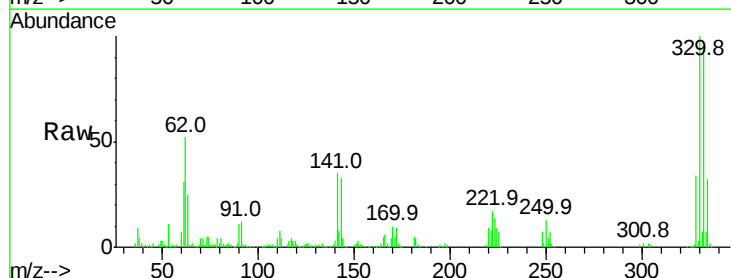


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

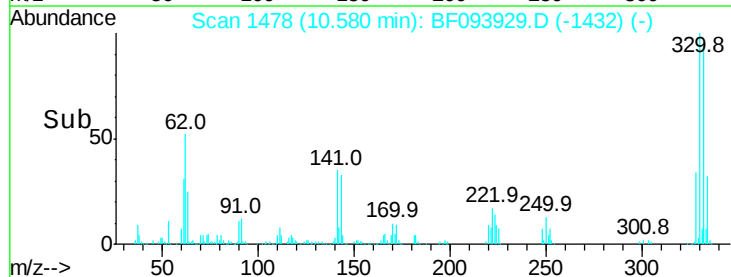
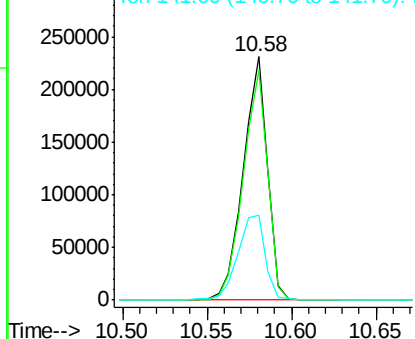


#41
 2,4,6-Tribromophenol
 Concen: 102.68 ng
 RT: 10.58 min Scan# 1478
 Delta R.T. -0.03 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

Tgt Ion:330 Resp: 231026
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 39.5 31.4 47.2



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



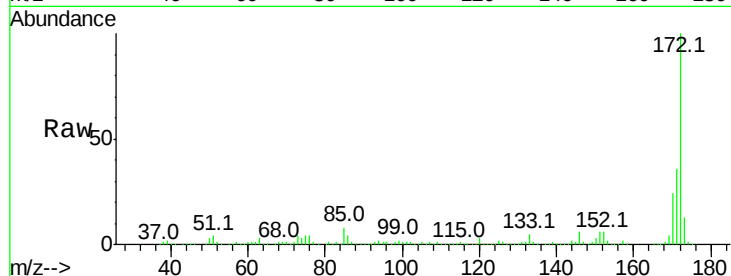


#44
 2-Fluorobiphenyl
 Concen: 70.44 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

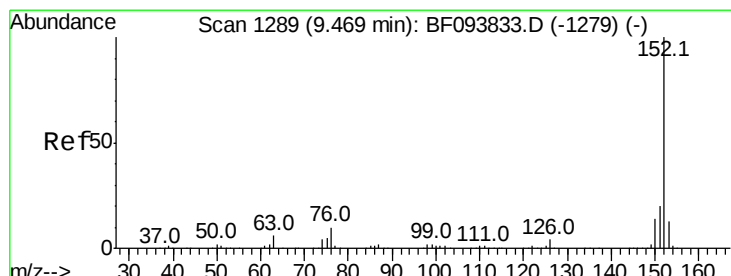
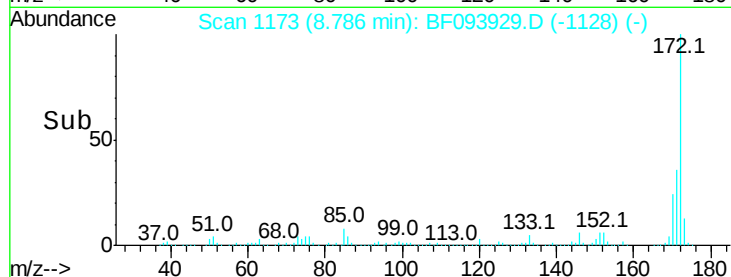
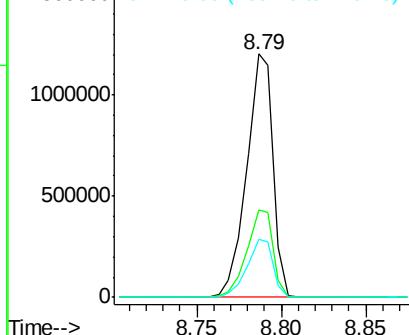
Instrument :
 BNA_F
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 WC-COMP-11

Tot Ion:172 Resp: 1315028

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.7	19.8	29.8



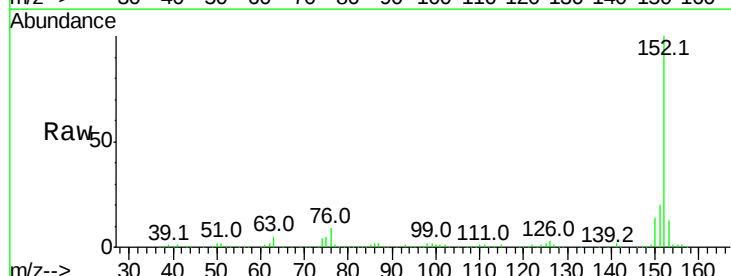
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



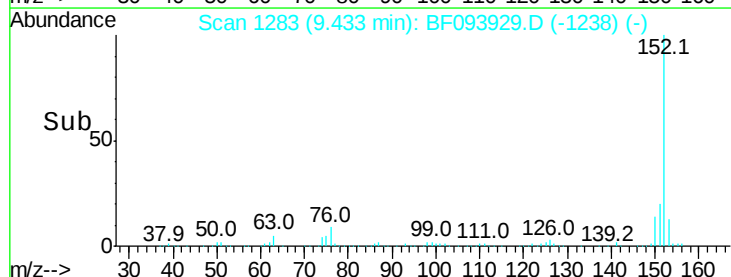
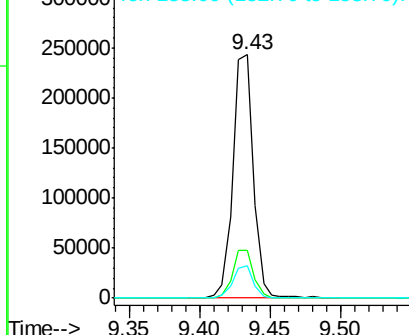
#48
 Acenaphthylene
 Concen: 8.24 ng
 RT: 9.43 min Scan# 1283
 Delta R.T. -0.04 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

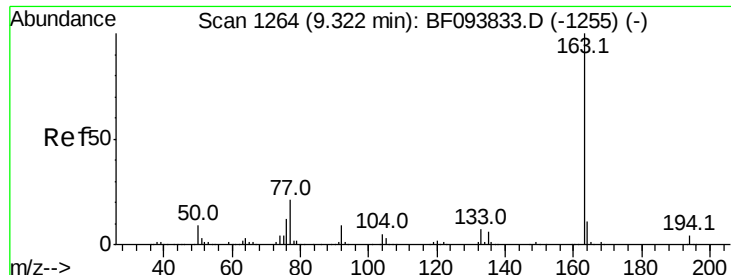
Tgt Ion:152 Resp: 246199

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.3	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

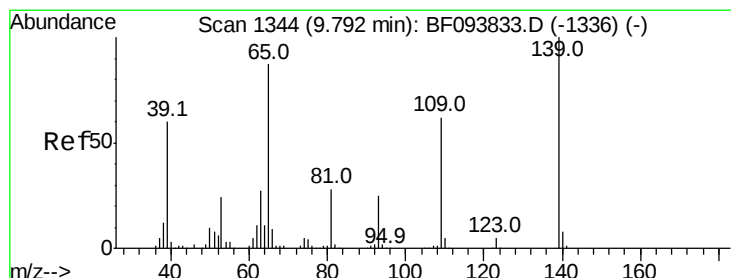
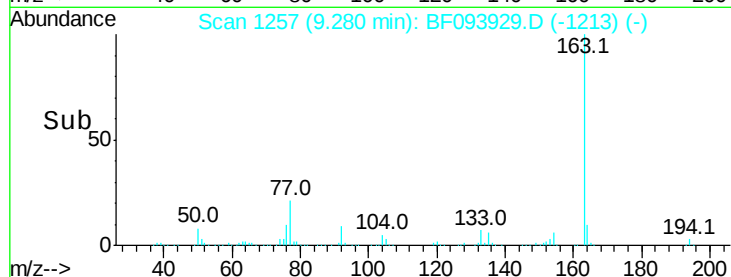
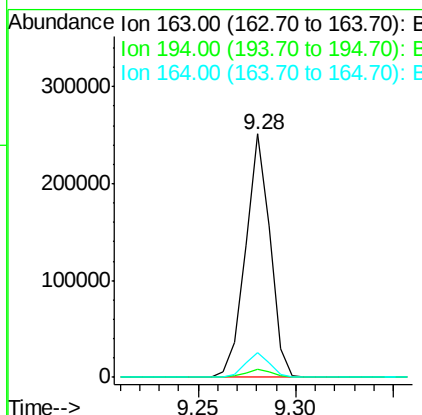
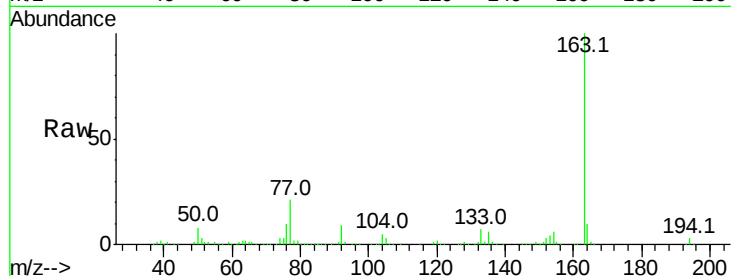




#49
Dimethylphthalate
Concen: 10.79 ng
RT: 9.28 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF093929.D
Acq: 25 Mar 2017 1:41

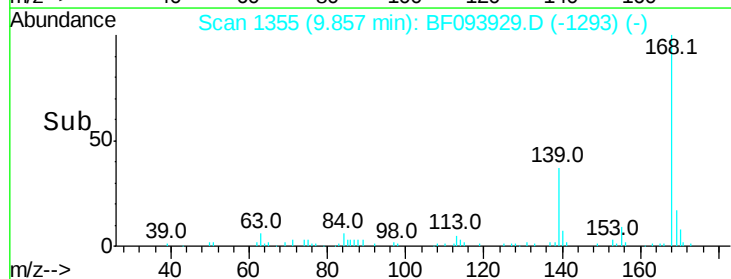
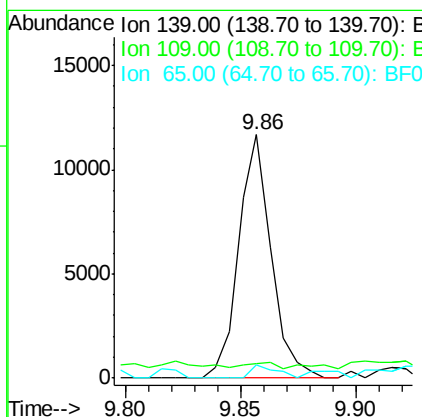
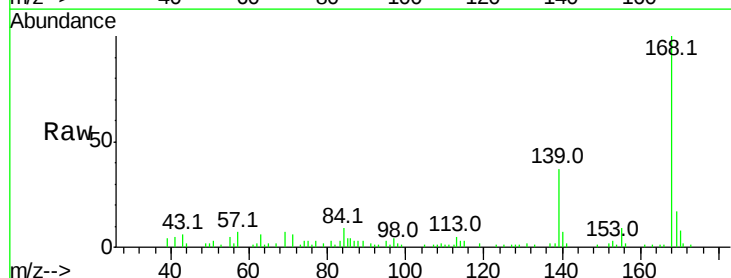
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ClientSampleId :
WC-COMP-11

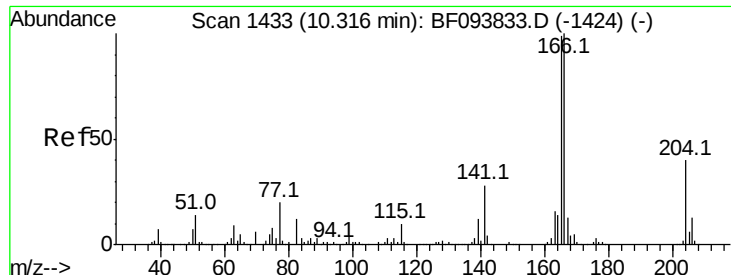
Tot Ion:163 Resp: 218300
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 8.4 12.6



#55
4-Nitrophenol
Concen: 2.67 ng
RT: 9.86 min Scan# 1355
Delta R.T. 0.06 min
Lab File: BF093929.D
Acq: 25 Mar 2017 1:41

Tgt Ion:139 Resp: 11404
Ion Ratio Lower Upper
139 100
109 6.2 34.1 74.1#
65 5.5 31.4 71.4#

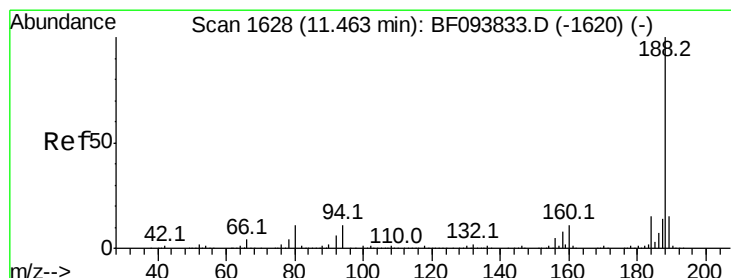
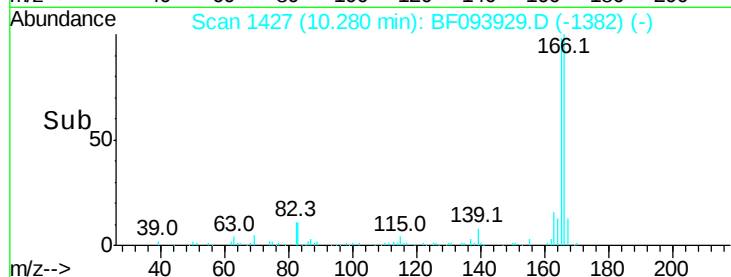
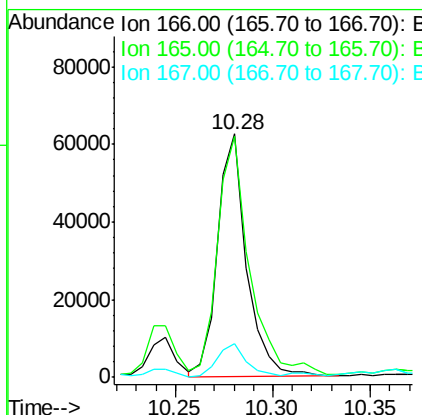
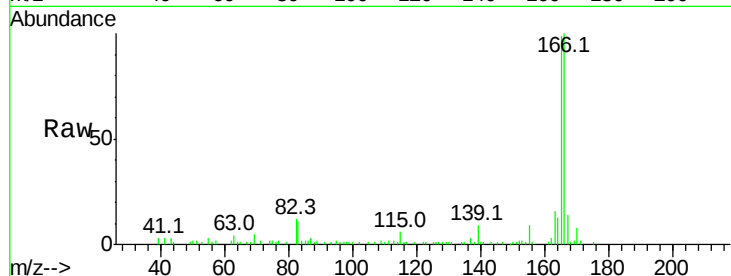




#57
Fluorene
 Concen: 3.26 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

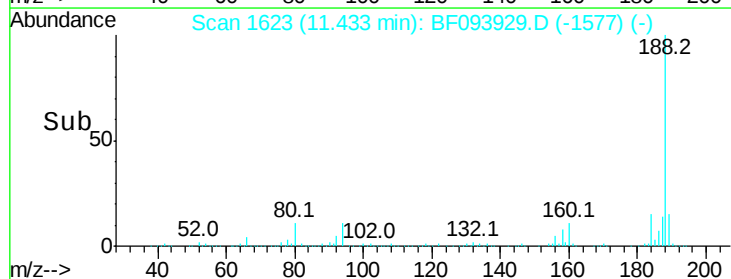
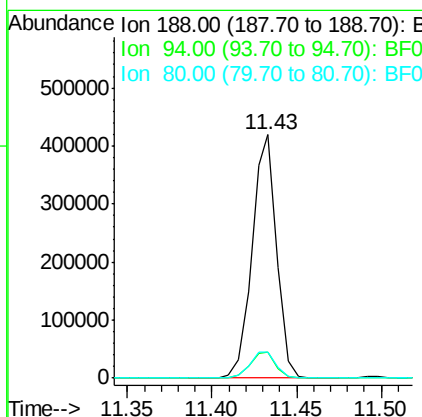
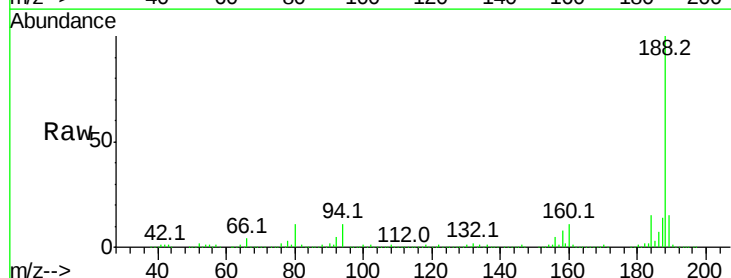
Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-11

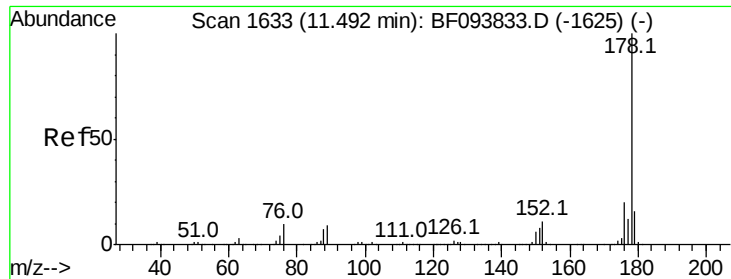
Tot Ion:166 Resp: 64230
 Ion Ratio Lower Upper
 166 100
 165 99.3 78.8 118.2
 167 14.1 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1623
 Delta R.T. -0.03 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

Tgt Ion:188 Resp: 423547
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 10.7 10.2 15.2





#70

Phenanthrene

Concen: 17.81 ng

RT: 11.46 min Scan# 1628

Delta R.T. -0.03 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-11

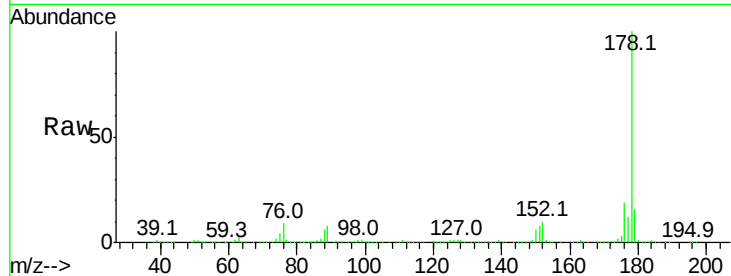
Tot Ion:178 Resp: 419721

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

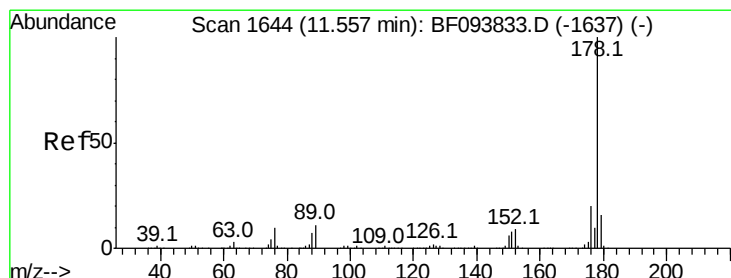
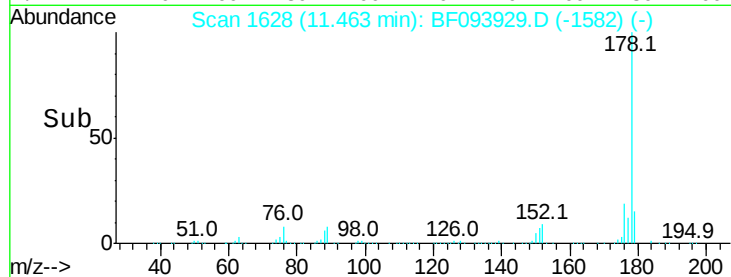
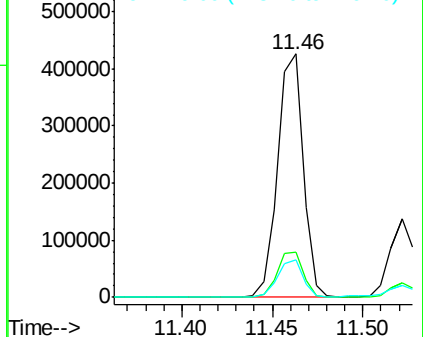
179 15.5 12.6 19.0



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: 5.14 ng

RT: 11.52 min Scan# 1638

Delta R.T. -0.04 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

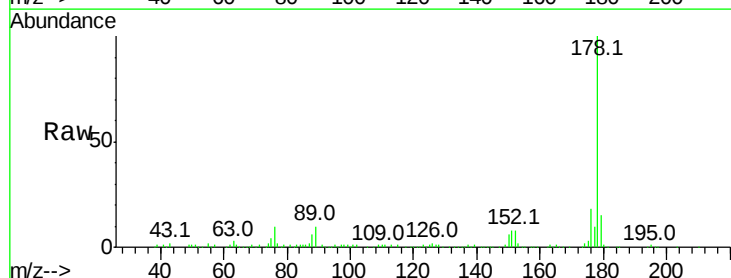
Tgt Ion:178 Resp: 124764

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

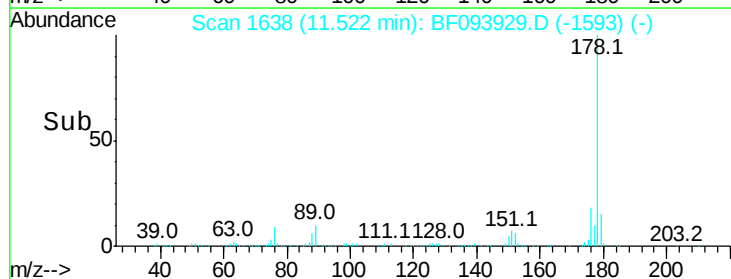
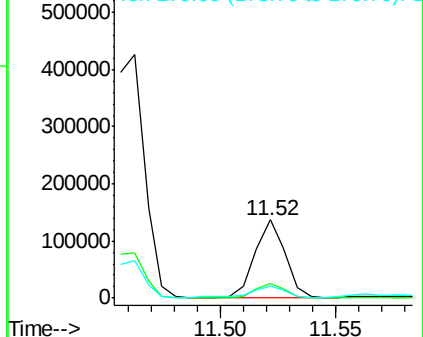
179 15.1 12.7 19.1

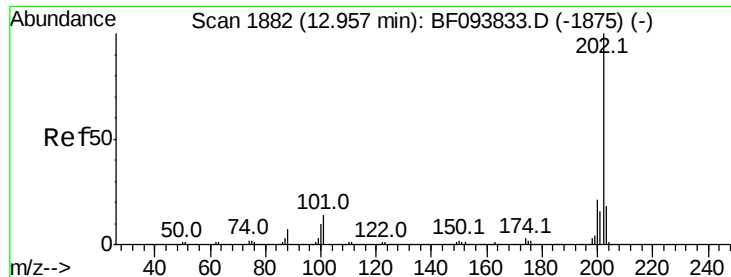


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 32.00 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.03 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-11

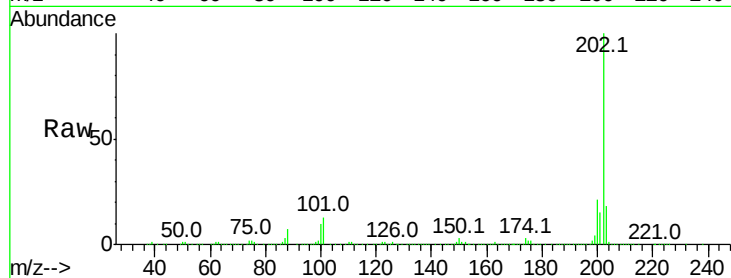
Tot Ion:202 Resp: 772007

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

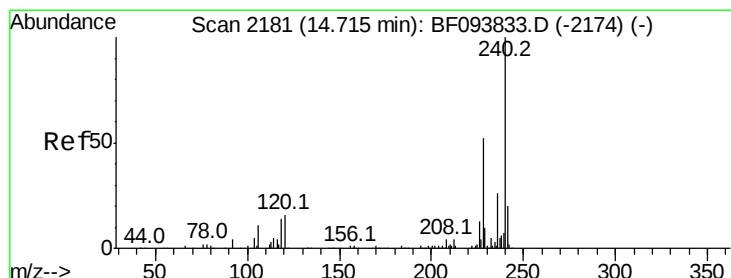
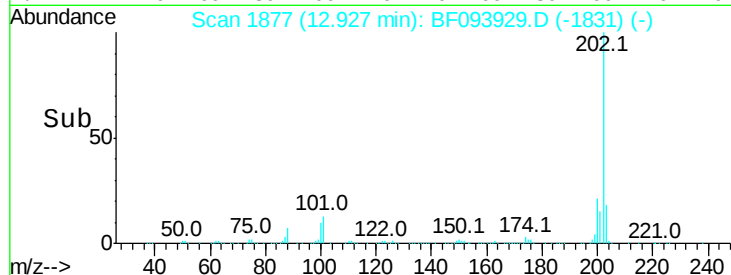
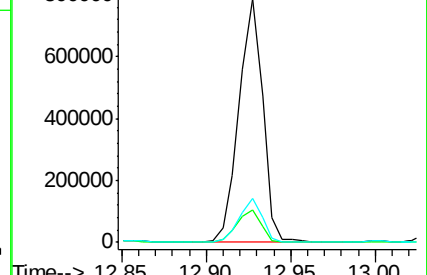
203 17.9 0.0 38.1



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: 14.69 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

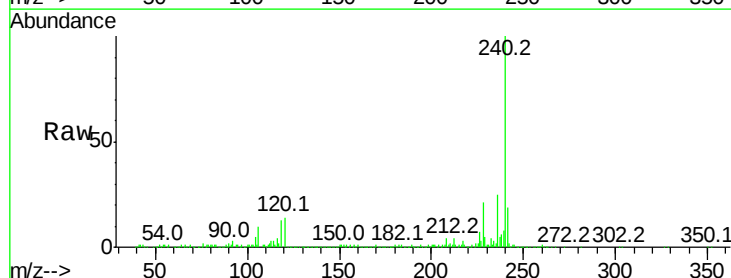
Tgt Ion:240 Resp: 315280

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

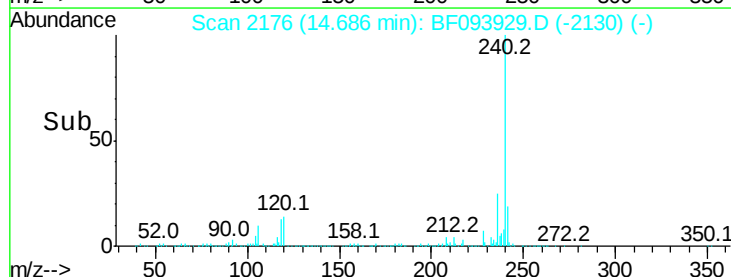
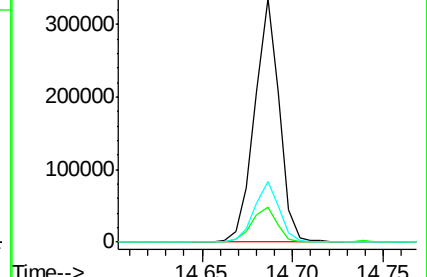
236 24.9 20.5 30.7

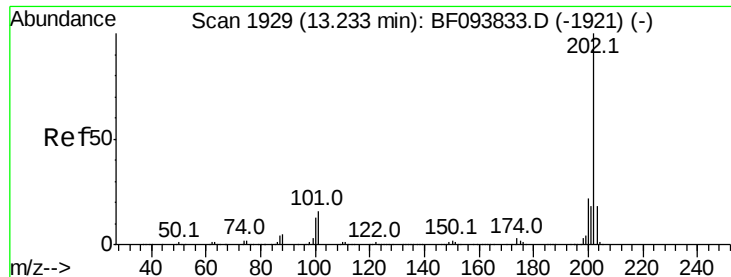


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 49.55 ng

RT: 13.21 min Scan# 1925

Delta R.T. -0.02 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

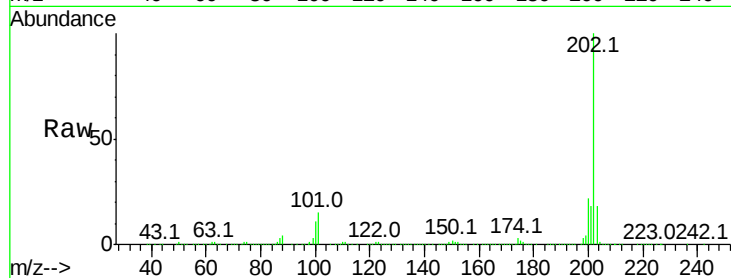
BNA_F

ClientSampleId :

WC-COMP-11

Tot Ion:202 Resp: 1133726

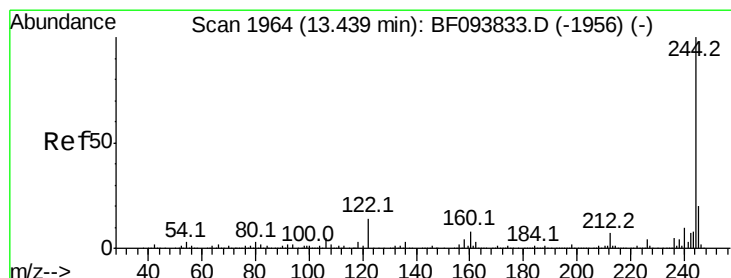
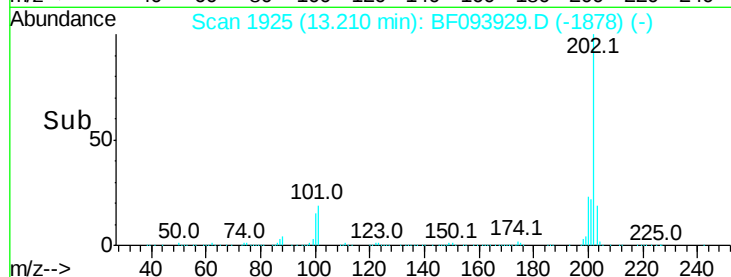
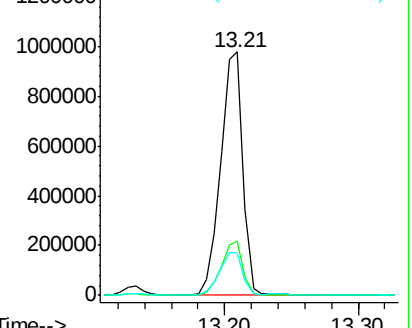
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	17.7	14.4	21.6



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: 53.85 ng

RT: 13.41 min Scan# 1959

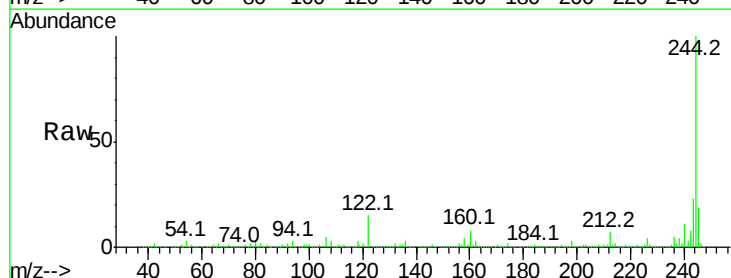
Delta R.T. -0.03 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Tgt Ion:244 Resp: 757375

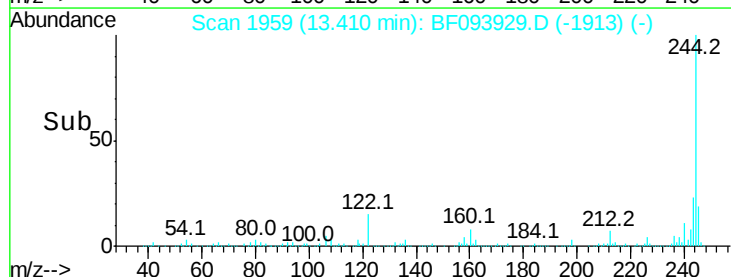
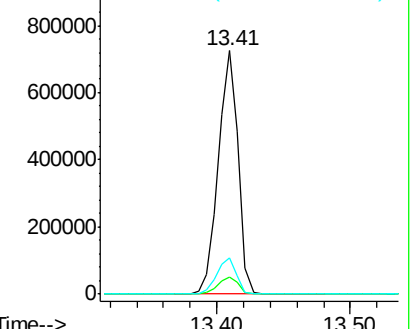
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.7	10.3	15.5

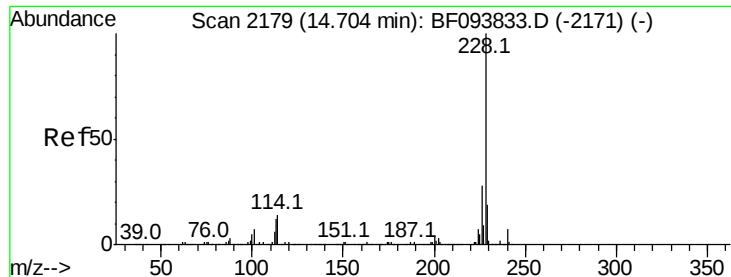


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.62 ng

RT: 14.72 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-11

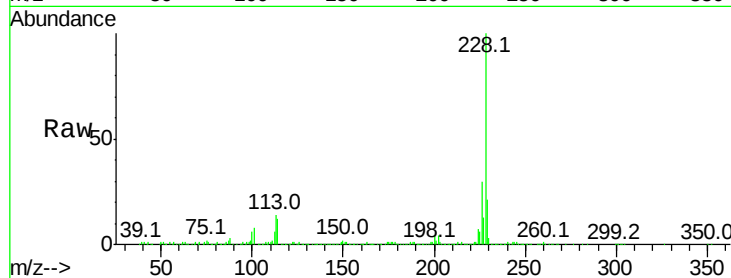
Tot Ion:228 Resp: 342354

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

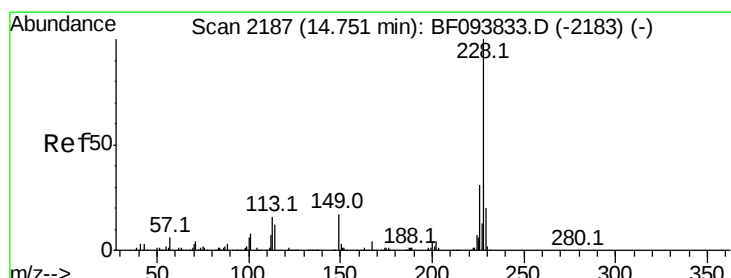
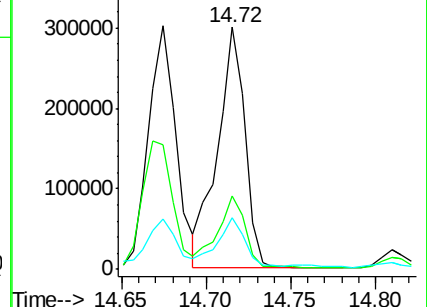
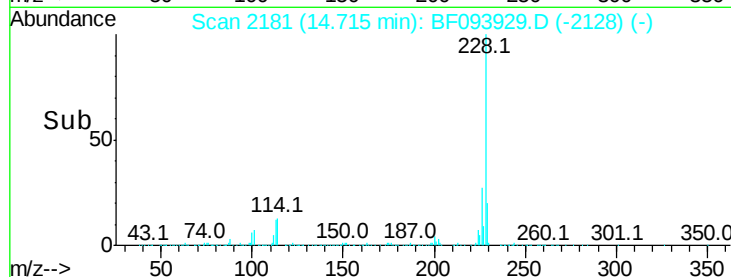
229 21.2 16.3 24.5



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: 20.07 ng

RT: 14.72 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

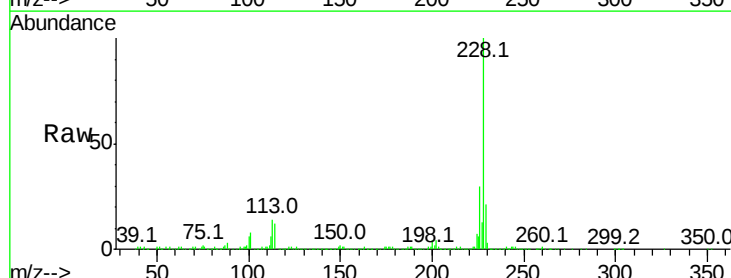
Tgt Ion:228 Resp: 342354

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

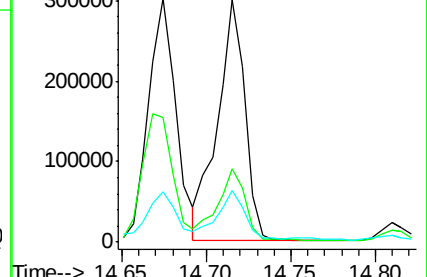
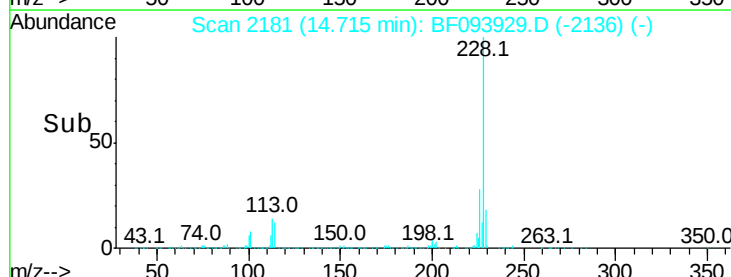
229 21.2 15.8 23.6

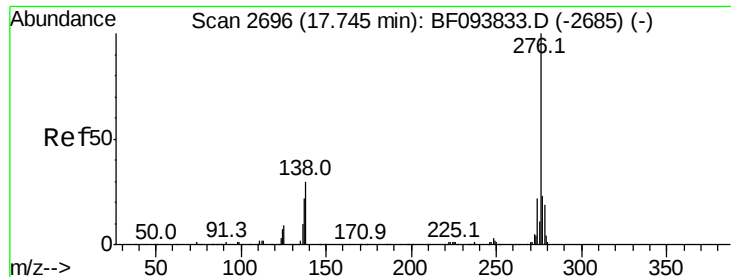


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

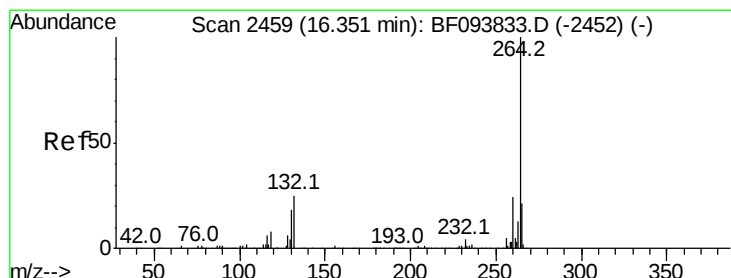
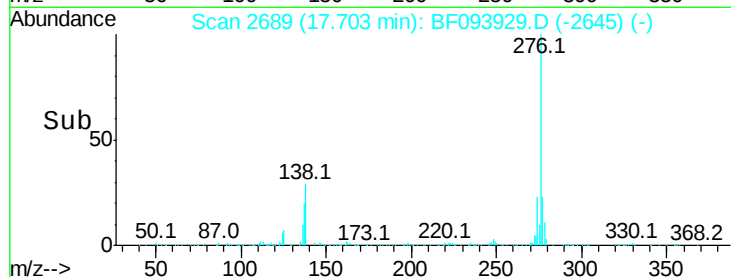
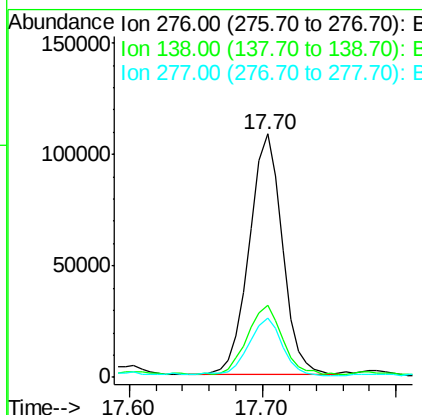
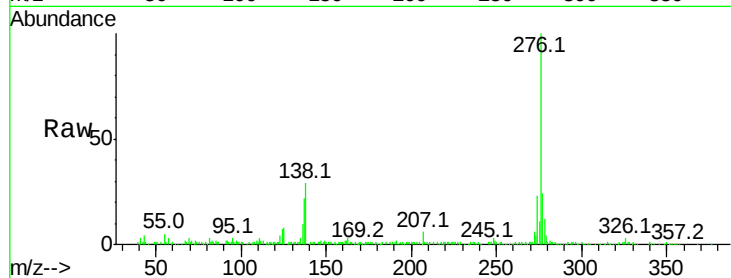




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.55 ng
 RT: 17.70 min Scan# 2689
 Delta R.T. -0.04 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

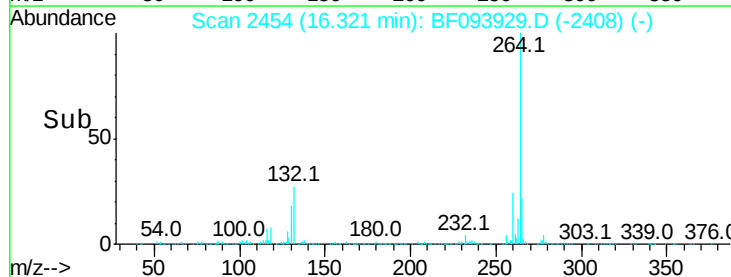
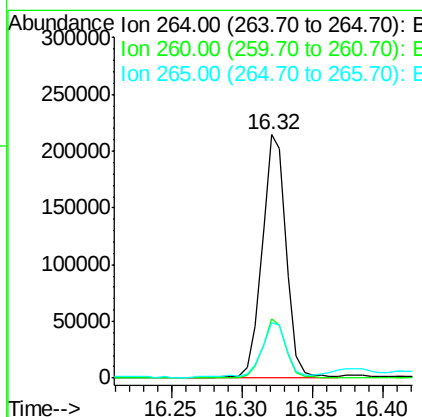
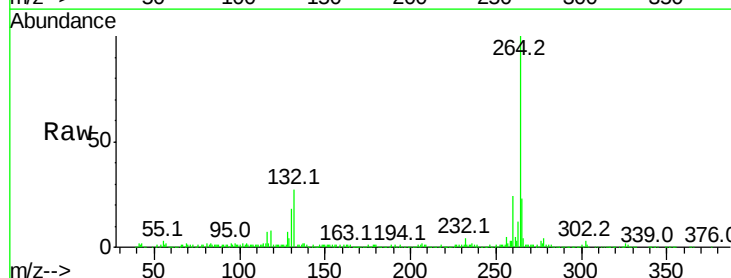
Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-11

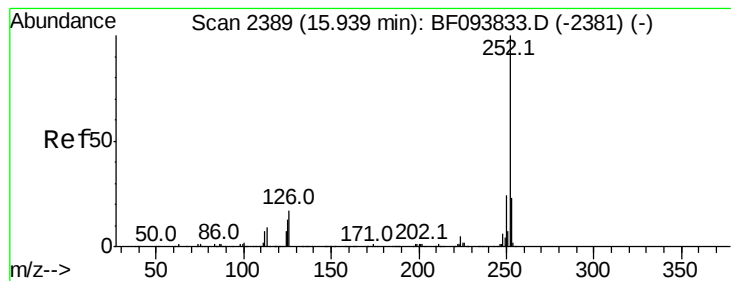
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	27.8	41.6
277	25.2	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.32 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BF093929.D
 Acq: 25 Mar 2017 1:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 33.69 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-11

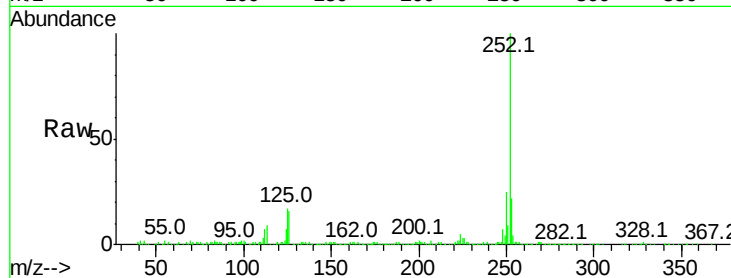
Tot Ion:252 Resp: 528407

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

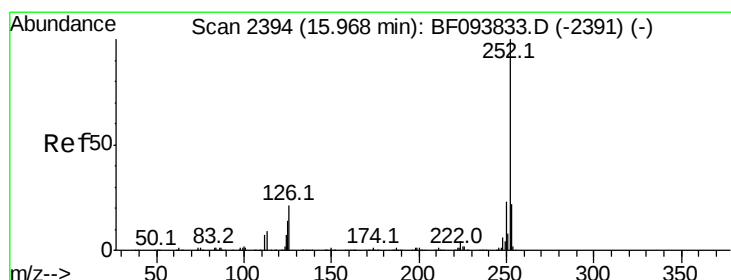
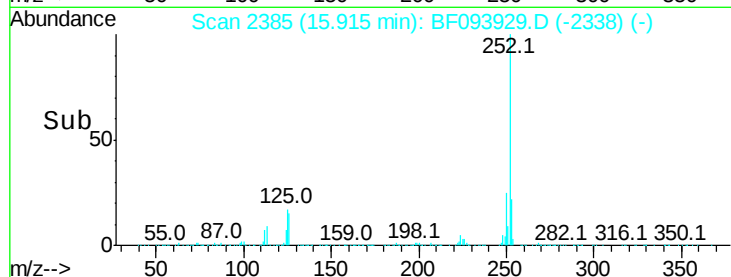
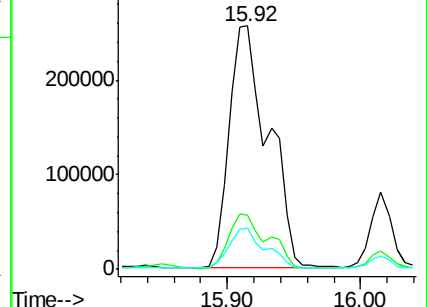
125 17.1 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 34.43 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.05 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

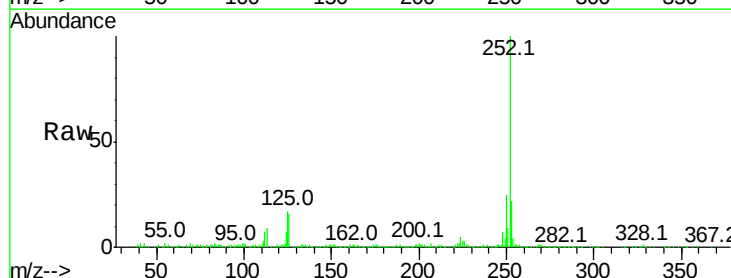
Tgt Ion:252 Resp: 528407

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

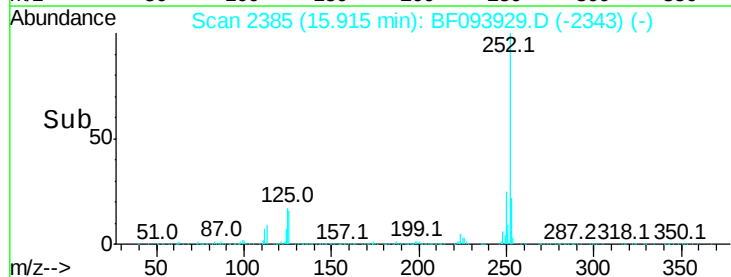
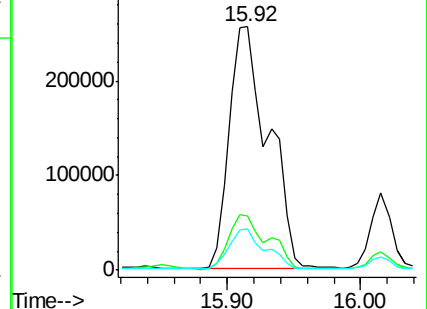
125 17.1 13.1 19.7

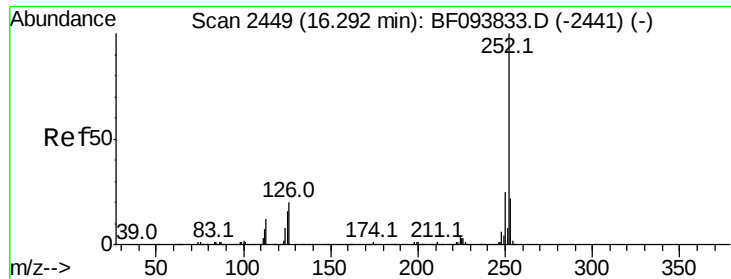


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

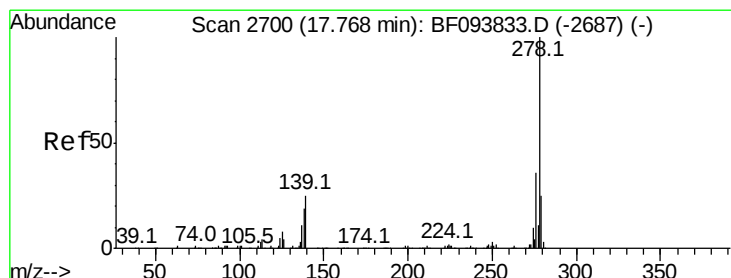
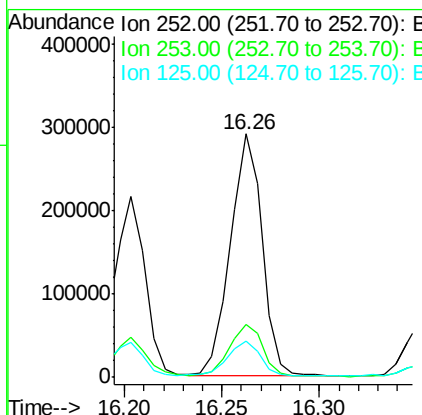
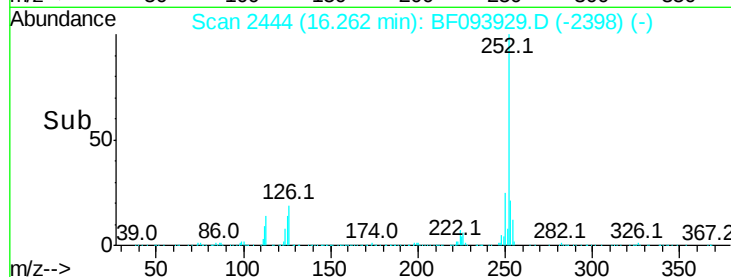
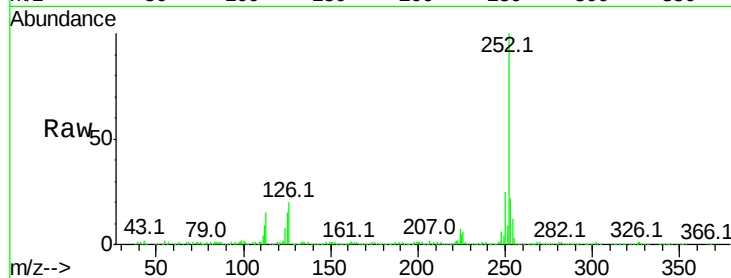




#89
Benzo(a)pyrene
Concen: 22.87 ng
RT: 16.26 min Scan# 2444
Delta R.T. -0.03 min
Lab File: BF093929.D
Acq: 25 Mar 2017 1:41

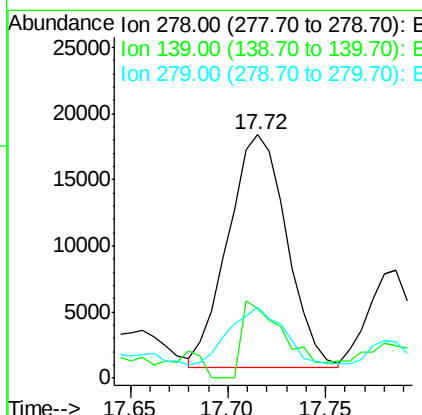
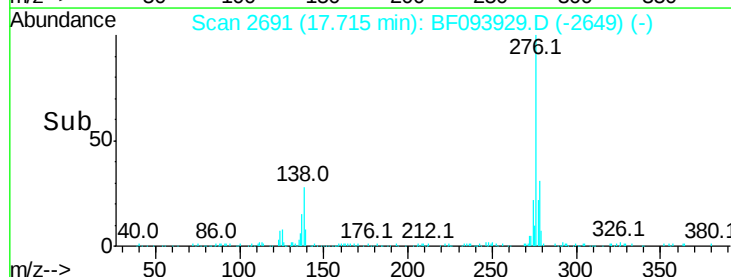
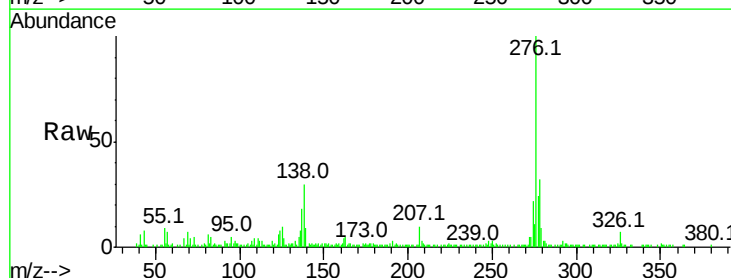
Instrument :
BNA_F
ClientSampleId :
WC-COMP-11

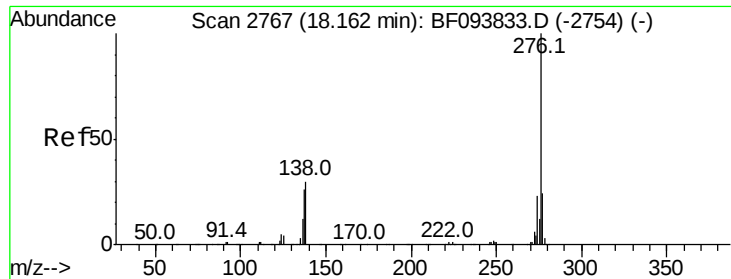
Tot Ion:252 Resp: 330305
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 14.7 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 2.99 ng
RT: 17.72 min Scan# 2691
Delta R.T. -0.05 min
Lab File: BF093929.D
Acq: 25 Mar 2017 1:41

Tgt Ion:278 Resp: 36568
Ion Ratio Lower Upper
278 100
139 28.4 16.6 24.8#
279 29.2 19.3 28.9#





#91

Benzo(a,h,i)perylene

Concen: 17.38 ng

RT: 18.12 min Scan# 2759

Delta R.T. -0.05 min

Lab File: BF093929.D

Acq: 25 Mar 2017 1:41

Instrument :

BNA_F

ClientSampleId :

WC-COMP-11

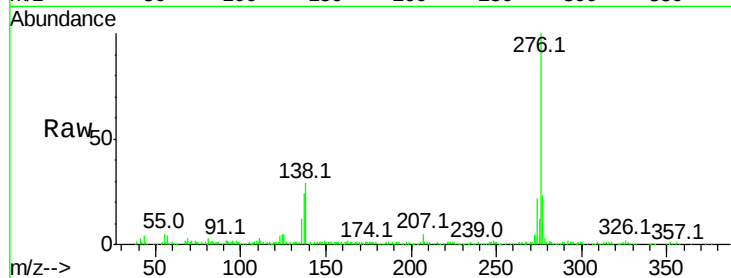
Tot Ion: 276 Resp: 214227

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 29.3 25.4 38.0



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

