

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091594.D
 Acq On : 14 Dec 2016 19:51
 Operator : UM/SJ
 Sample : H6006-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-8-0-5

Manual Integrations
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Quant Time: Dec 15 01:19:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	308380	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1239182	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	657191	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	1006465	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	689345	20.00	ng	-0.01
86) Perylene-d12	15.36	264	634504	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	934442	51.05	ng	-0.02
7) Phenol-d6	6.43	99	1382726	60.59	ng	-0.02
23) Nitrobenzene-d5	7.36	82	969902	43.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	573661	105.09	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	2028874	53.34	ng	-0.02
78) Terphenyl-d14	12.90	244	1910955	62.90	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.44	94	153552	5.76	ng	82
49) Dimethylphthalate	9.55	163	598440	14.38	ng	98
51) Acenaphthene	9.86	154	100126	2.57	ng	96
54) Dibenzofuran	10.03	168	133762	2.77	ng	96
70) Phenanthrene	11.34	178	2085938	41.85	ng	99
71) Anthracene	11.39	178	662256	12.32	ng	98
72) Carbazole	11.54	167	176750	3.75	ng	99
74) Fluoranthene	12.52	202	1967049	37.69	ng	94
77) Pyrene	12.75	202	1682140	30.76	ng	98
80) Benzo(a)anthracene	13.94	228	841033	21.01	ng	99
82) Chrysene	13.97	228	698946m	16.69	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	160027	5.85	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	336923	8.94	ng	95
87) Benzo(b)fluoranthene	14.96	252	705389m	18.65	ng	
88) Benzo(k)fluoranthene	14.97	252	330532m	9.94	ng	
89) Benzo(a)pyrene	15.30	252	552276	16.21	ng	99
90) Dibenzo(a,h)anthracene	16.73	278	87191	2.86	ng	94
91) Benzo(g,h,i)perylene	17.13	276	318675	10.26	ng	97

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

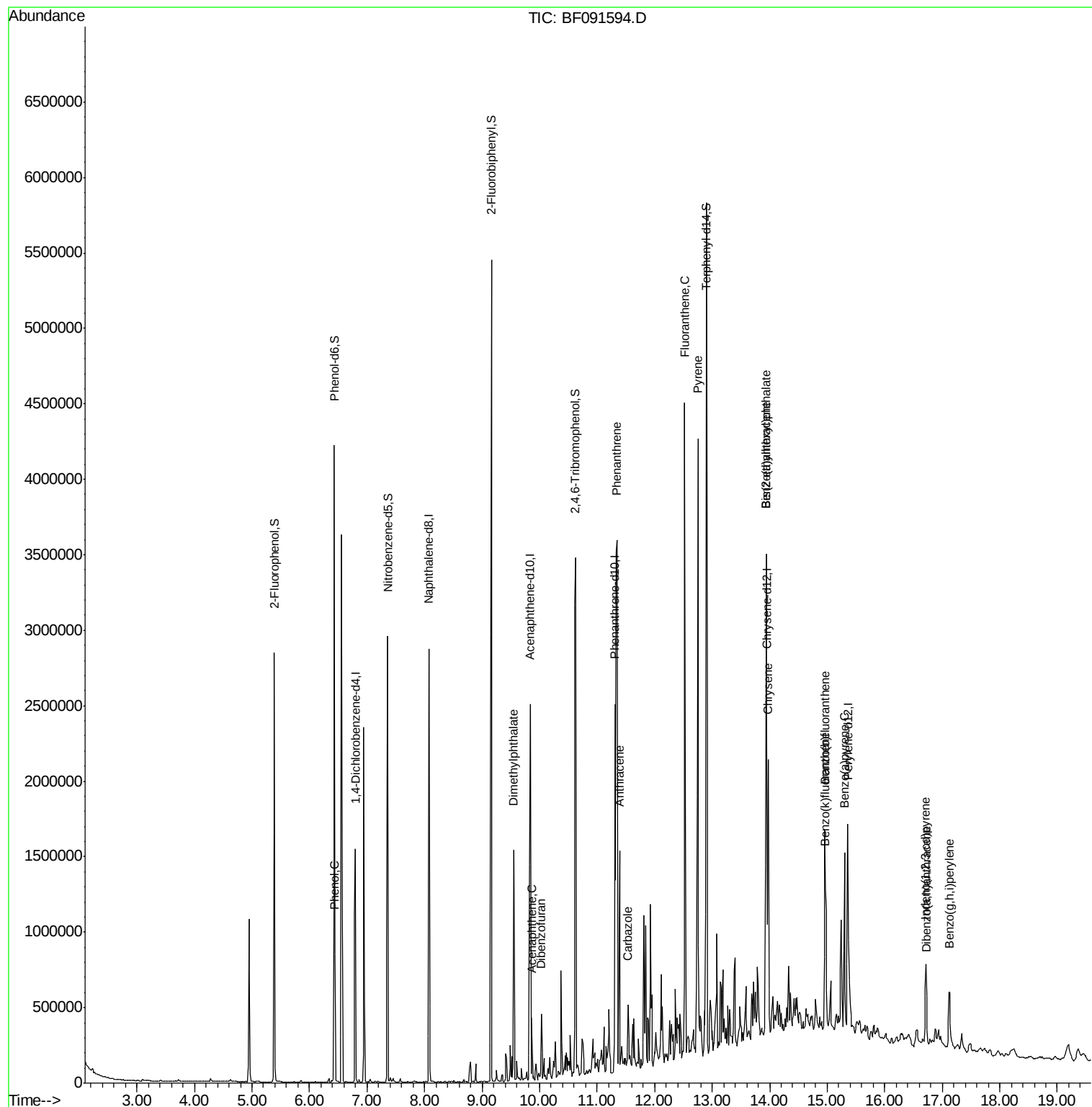
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
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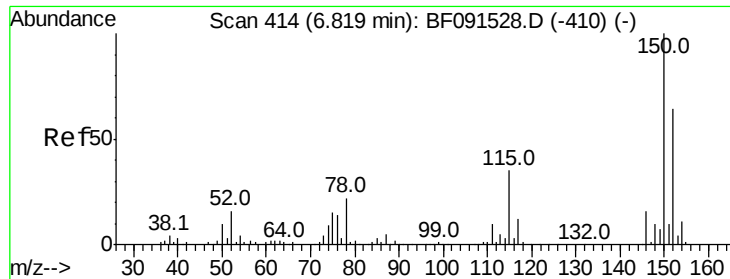
Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

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Quant Time: Dec 15 01:19:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

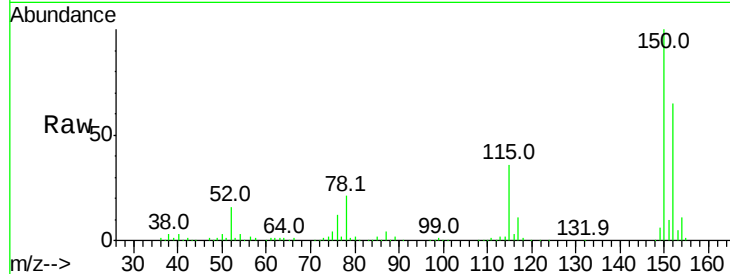
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

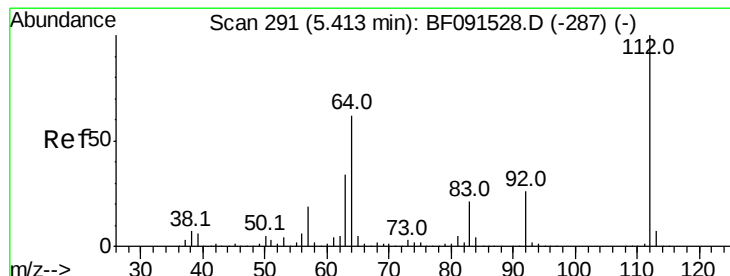
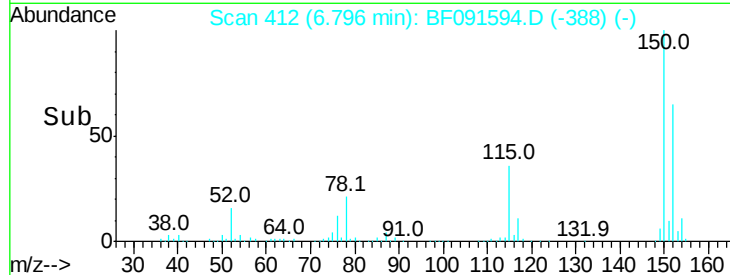
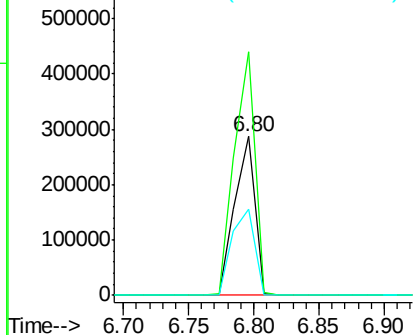
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.5	183.7
115	54.5	51.8	77.8

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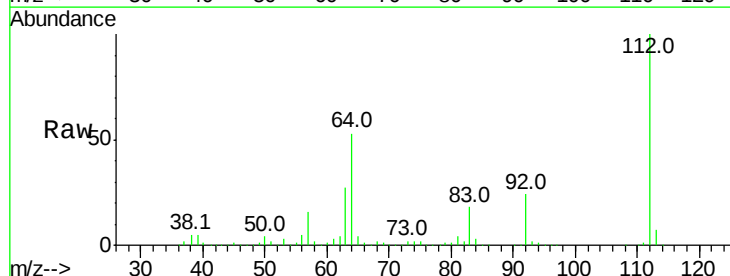
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



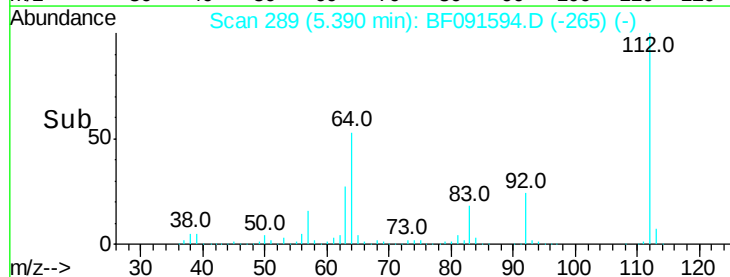
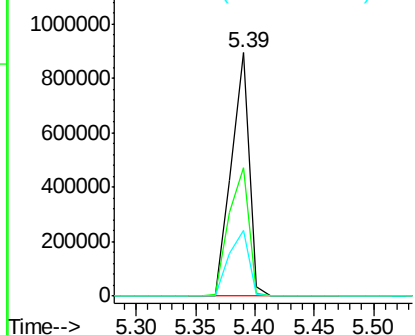
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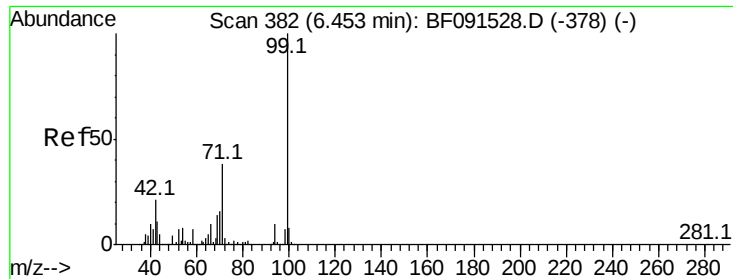
2-Fluorophenol
Concen: 51.05 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	61.5	92.3#
63	27.1	33.3	49.9#



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: 60.59 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Instrument :

BNA_F

ClientSampleId :

WC-8-0-5

Tot Ion: 99 Resp: 1382726

Ion Ratio Lower Upper

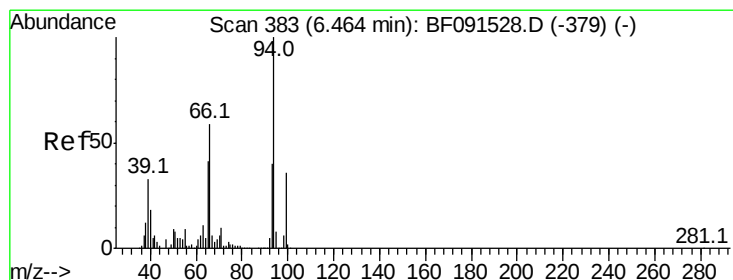
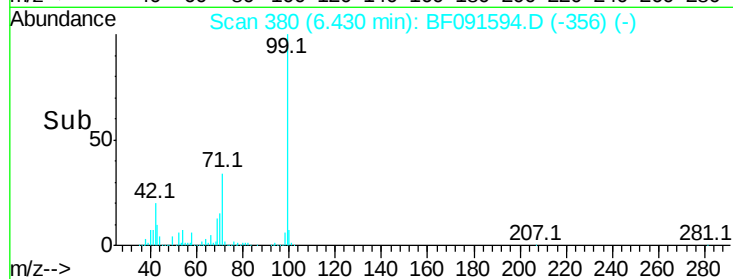
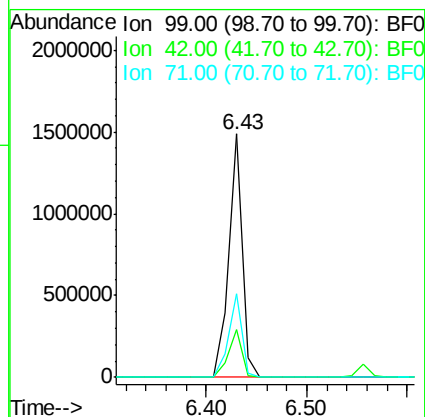
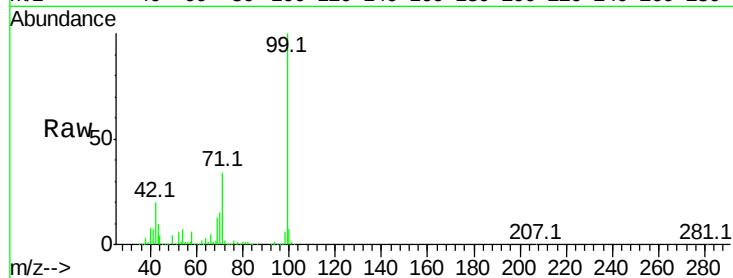
99 100

42 19.5 20.6 31.0#

71 34.3 29.9 44.9

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#10

Phenol

Concen: 5.76 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

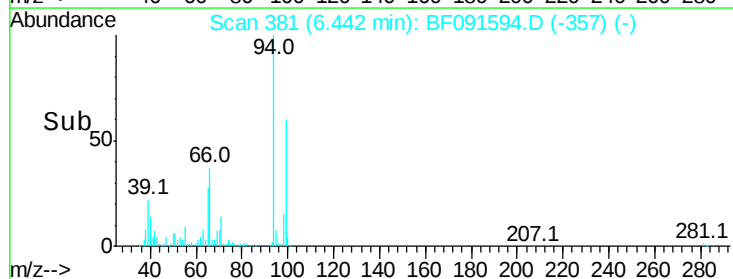
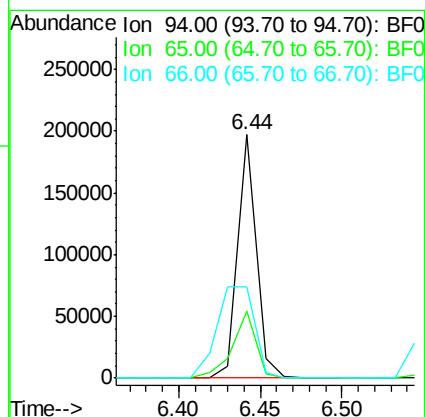
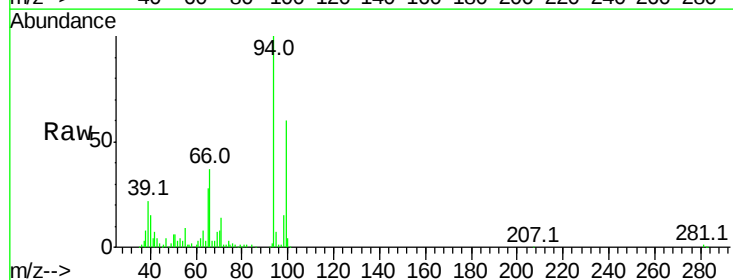
Tgt Ion: 94 Resp: 153552

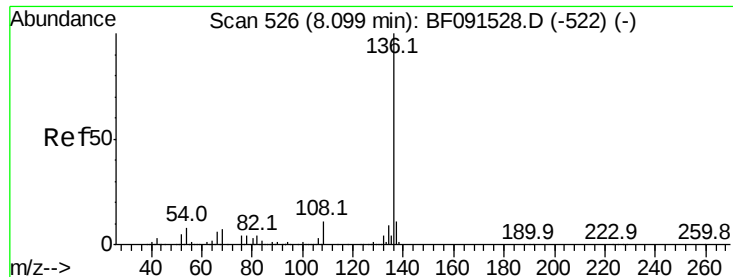
Ion Ratio Lower Upper

94 100

65 27.7 16.9 56.9

66 37.3 30.6 70.6





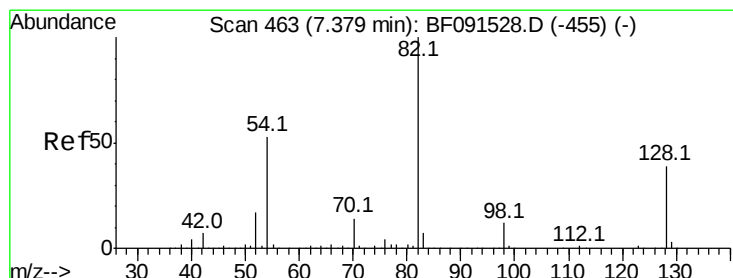
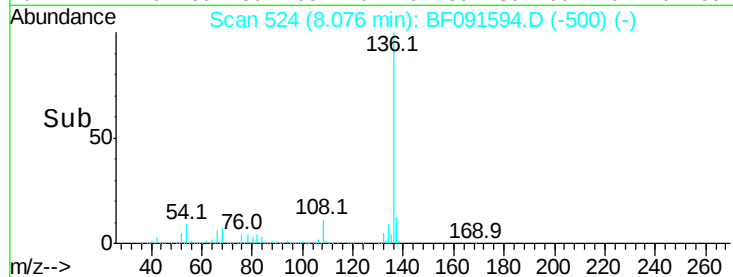
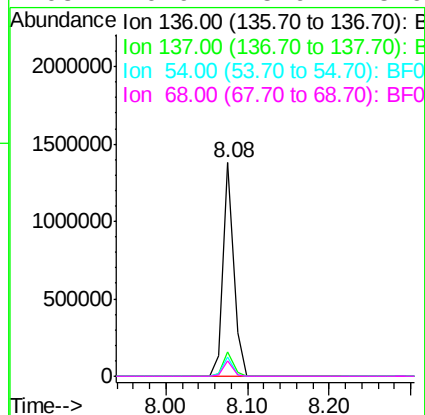
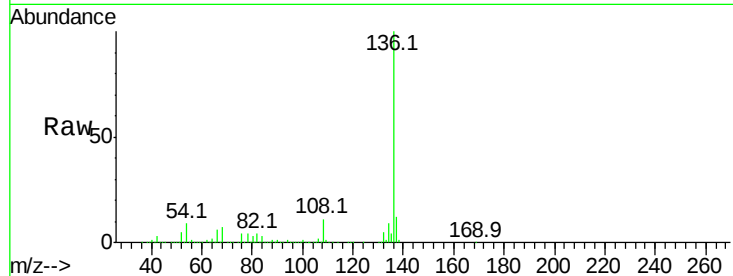
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	1239182		
137	11.5	9.1	13.7	
54	9.0	9.1	13.7#	
68	6.9	5.9	8.9	

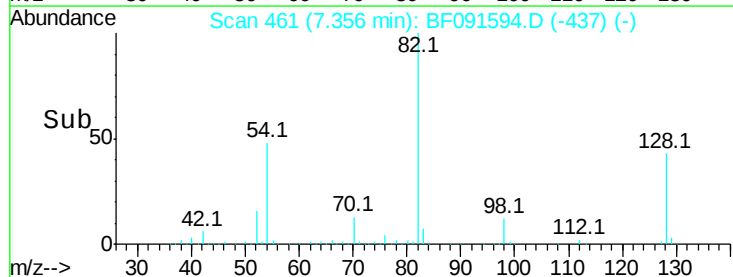
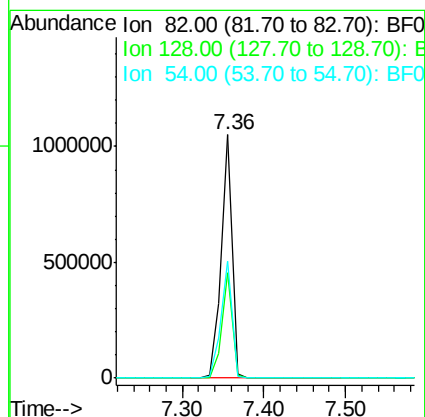
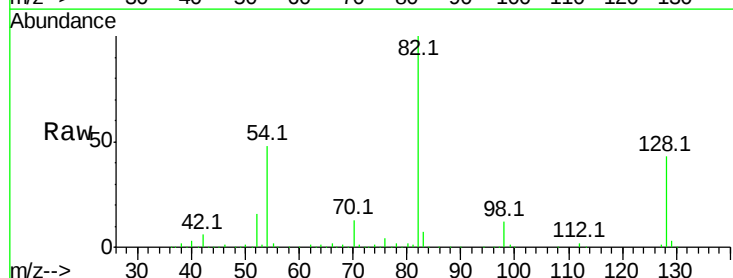
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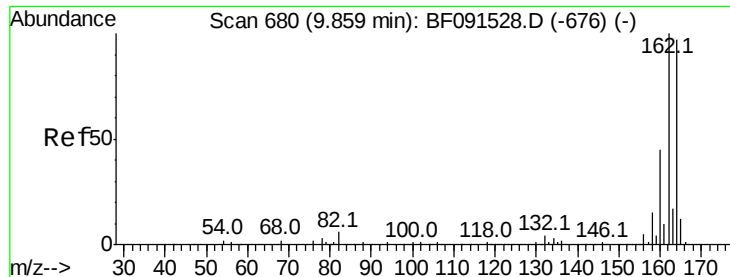
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#23
Nitrobenzene-d5
Concen: 43.68 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	969902		
128	43.4	31.8	47.6	
54	48.2	49.1	73.7#	





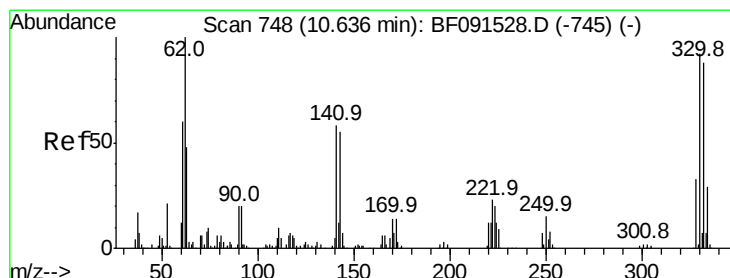
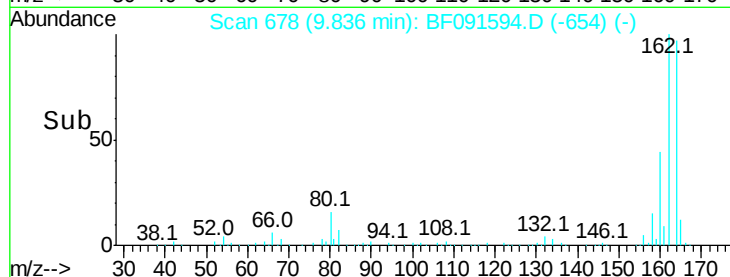
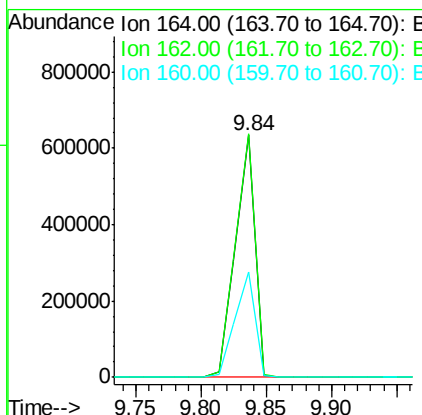
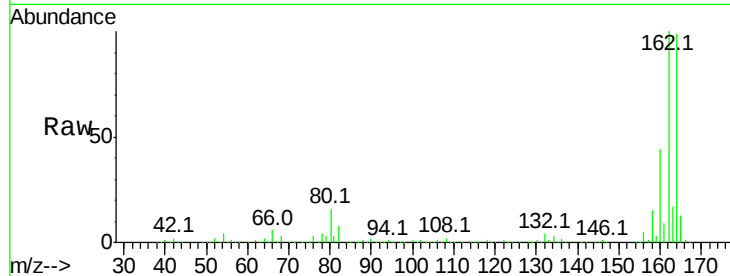
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	657191		
162	100.7	82.6	124.0	
160	43.8	36.7	55.1	

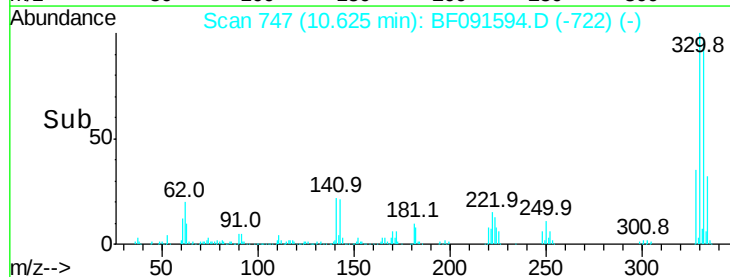
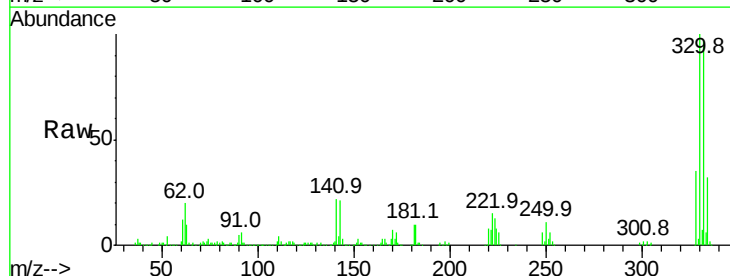
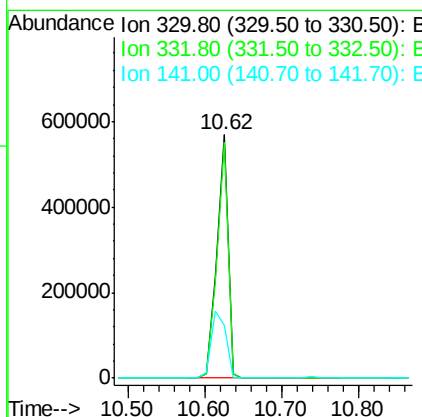
Manual Integrations
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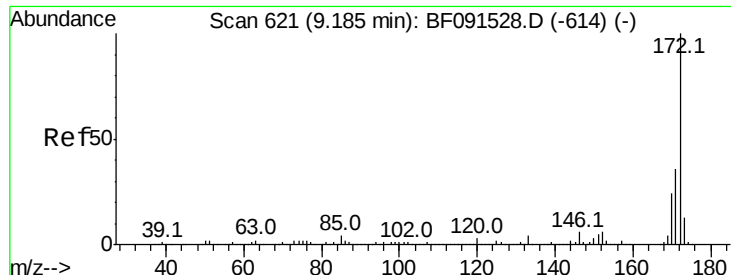
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#41
2,4,6-Tribromophenol
Concen: 105.09 ng
RT: 10.62 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	573661		
332	96.3	76.2	114.4	
141	35.5	33.6	50.4	





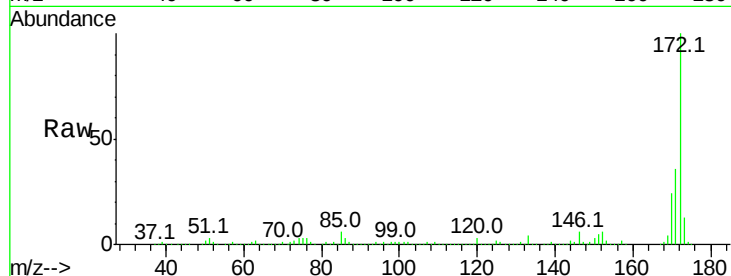
#44
2-Fluorobiphenyl
Concen: 53.34 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampled :
WC-8-0-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	24.1	19.7	29.5

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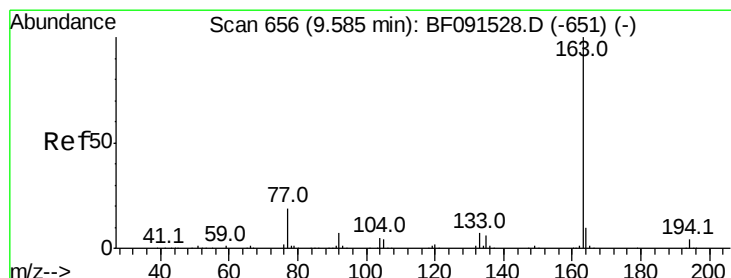
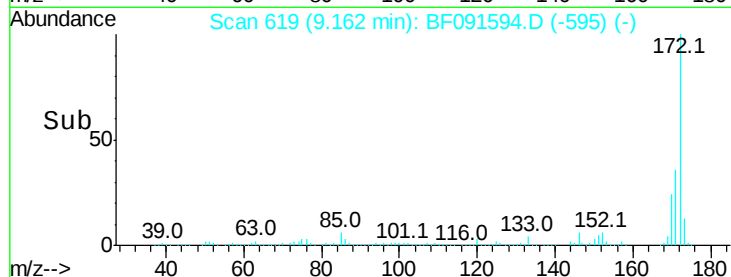
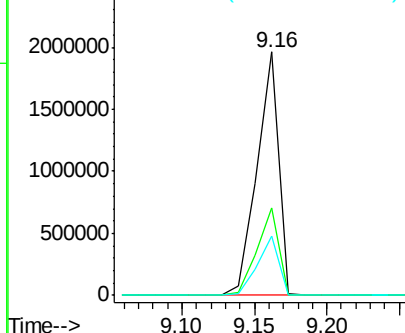


Abundance

Ion 172.00 (171.70 to 172.70): E

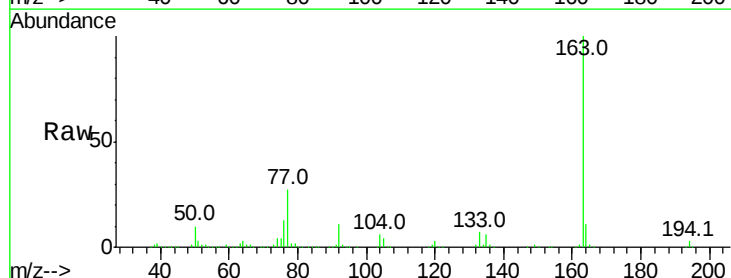
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 14.38 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	10.8	7.8	11.8

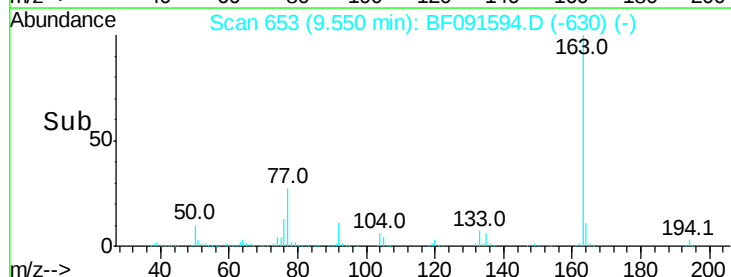
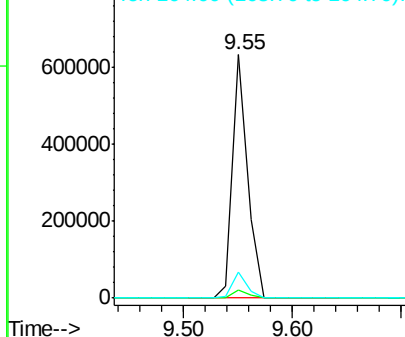


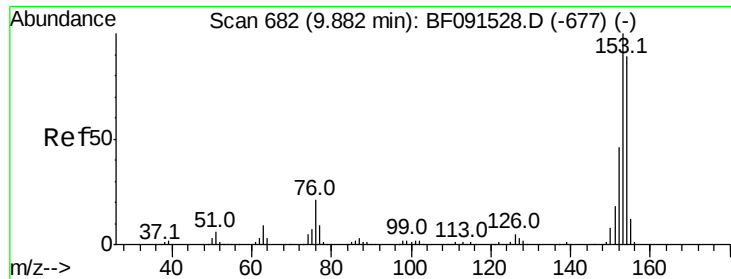
Abundance

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





#51

Acenaphthene

Concen: 2.57 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Instrument :

BNA_F

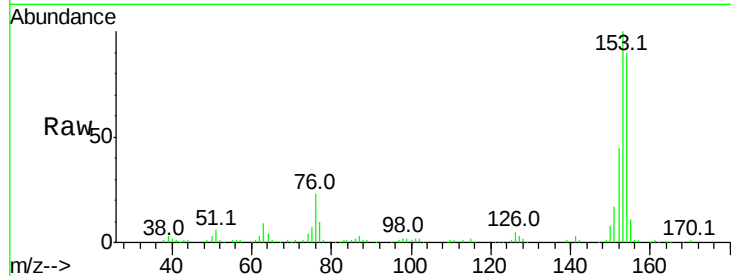
ClientSampleId :

WC-8-0-5

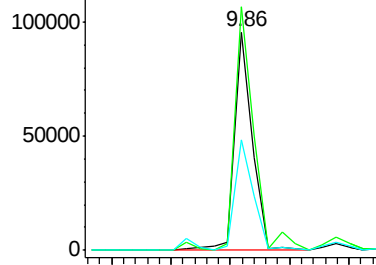
Tot Ion:	154	Resp:	100126
Ion Ratio	Lower	Upper	
154	100		
153	111.4	91.0	136.6
152	50.4	44.2	66.2

Manual Integrations
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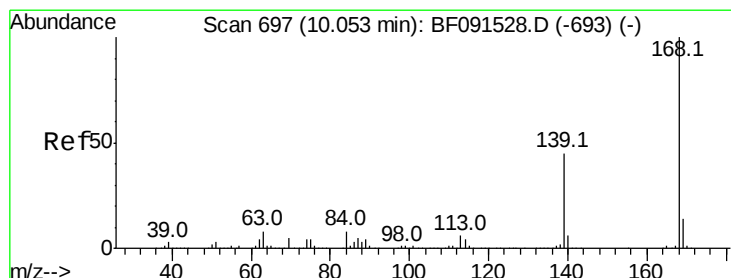
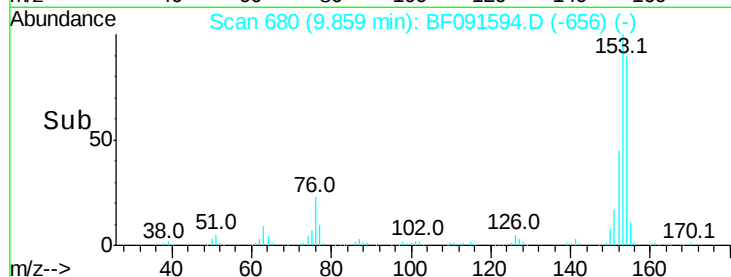
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#54

Dibenzofuran

Concen: 2.77 ng

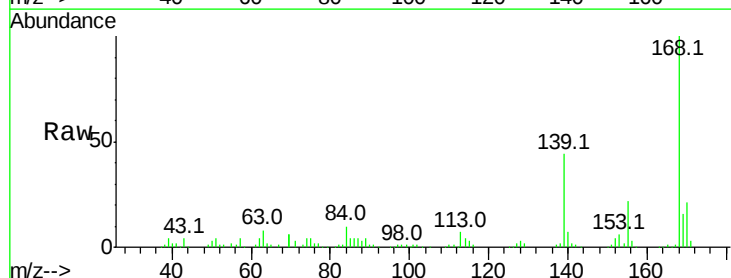
RT: 10.03 min Scan# 695

Delta R.T. -0.02 min

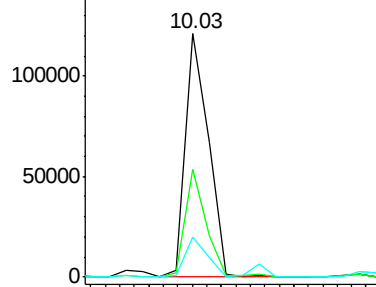
Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

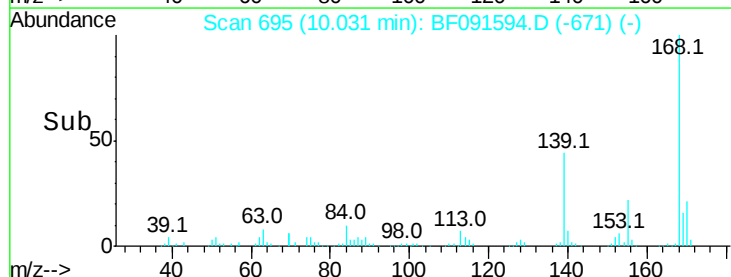
Tgt Ion:	168	Resp:	133762
Ion Ratio	Lower	Upper	
168	100		
139	44.2	33.4	50.2
169	16.3	11.1	16.7

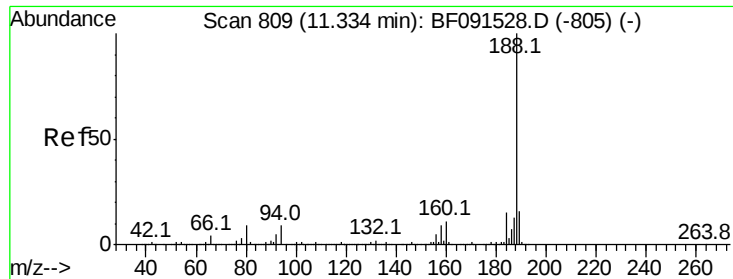


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



Time-->





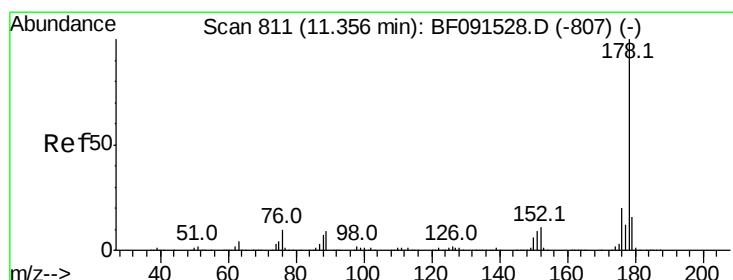
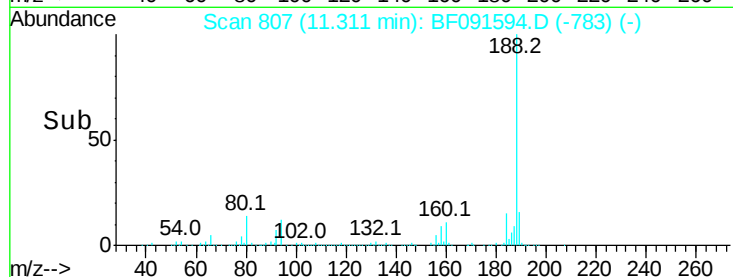
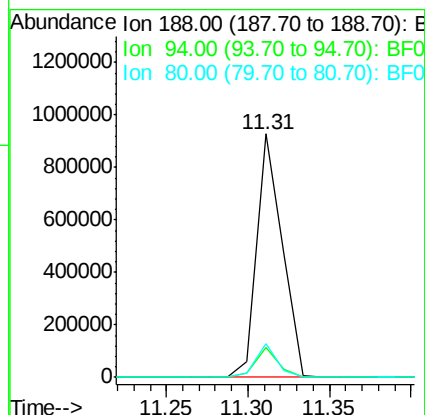
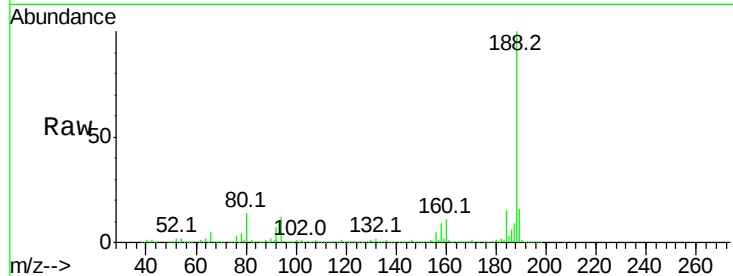
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.2	13.8
80	13.8	10.5	15.7

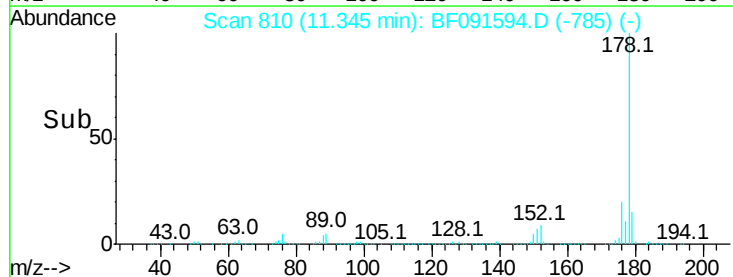
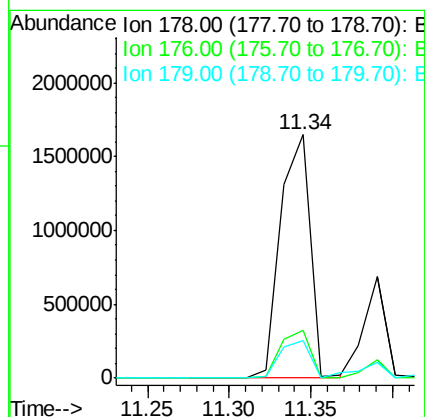
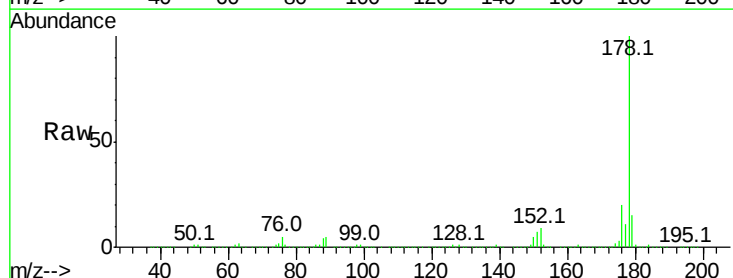
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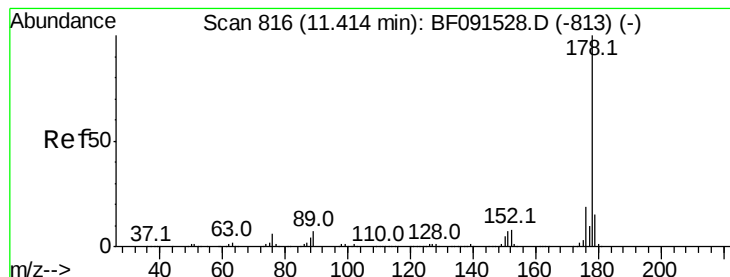
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#70
Phenanthrene
Concen: 41.85 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.3	12.6	18.8





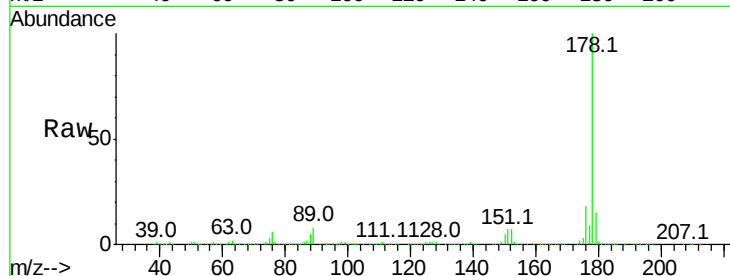
#71
 Anthracene
 Concen: 12.32 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF091594.D
 Acq: 14 Dec 2016 19:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-8-0-5

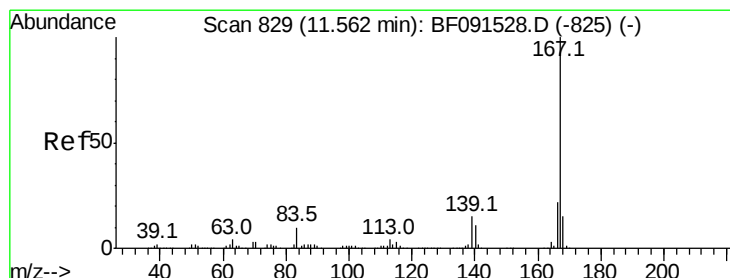
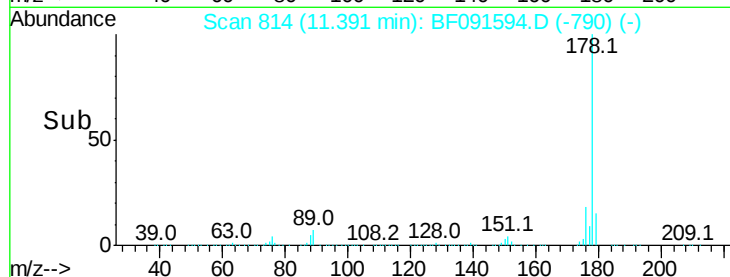
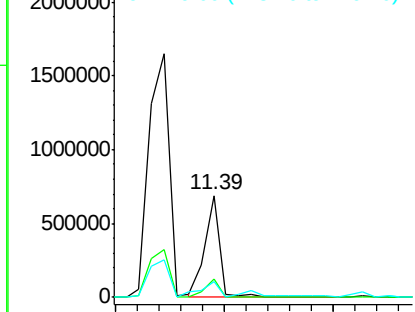
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	15.2	12.7	19.1

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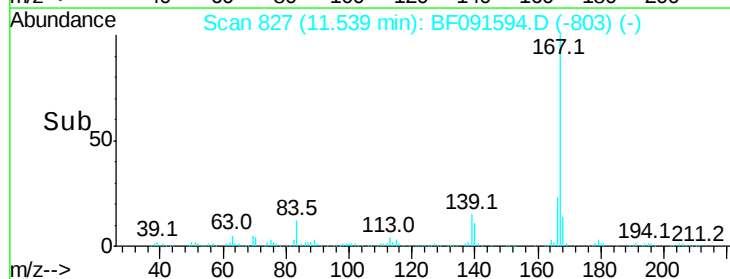
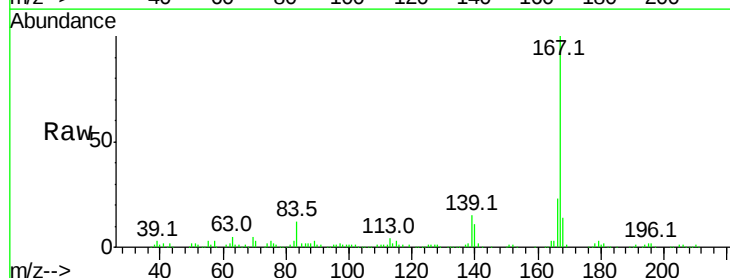
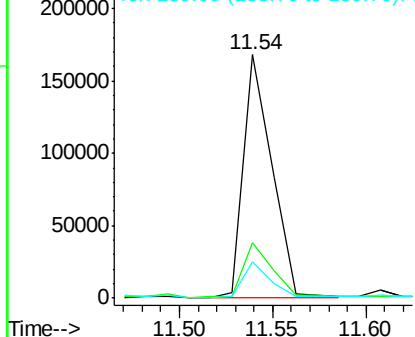
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

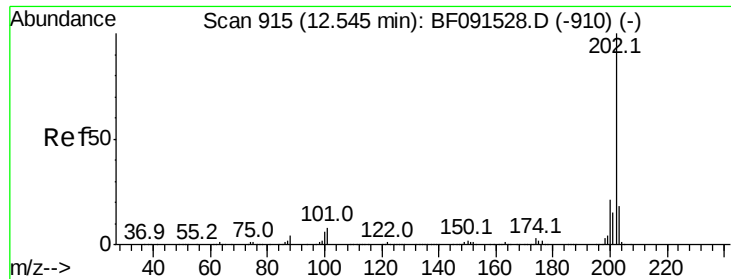


#72
 Carbazole
 Concen: 3.75 ng
 RT: 11.54 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF091594.D
 Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.1	27.1
139	14.9	11.5	17.3

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.69 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Instrument :

BNA_F

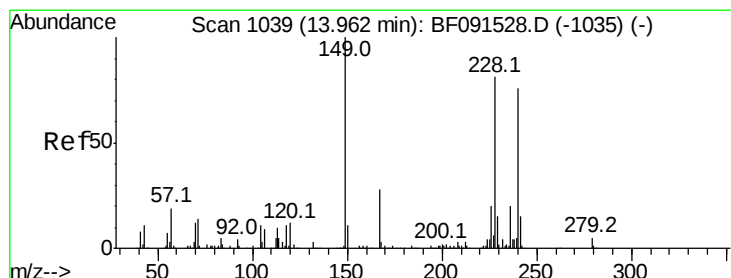
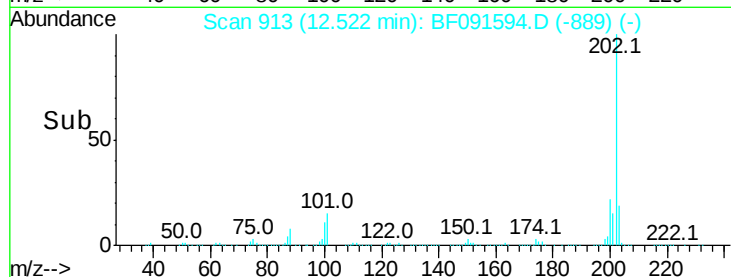
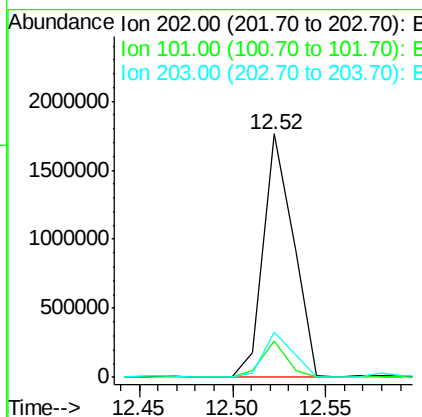
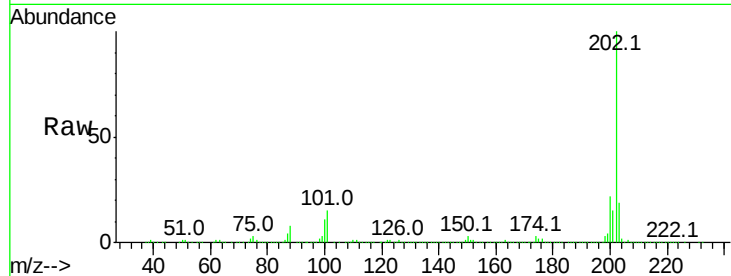
ClientSampleId :

WC-8-0-5

Tot Ion:	202	Resp:	1967049
Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	29.5
203	18.7	0.0	37.8

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#75

Chrysene-d12

Concen: 20.00 ng

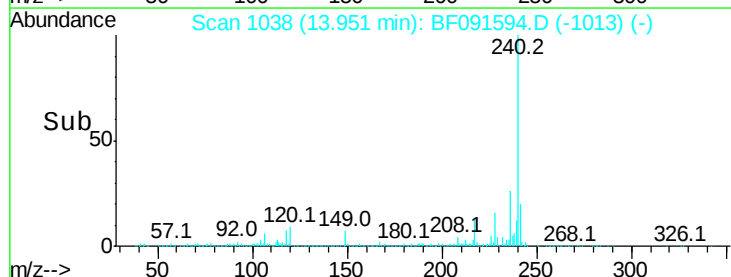
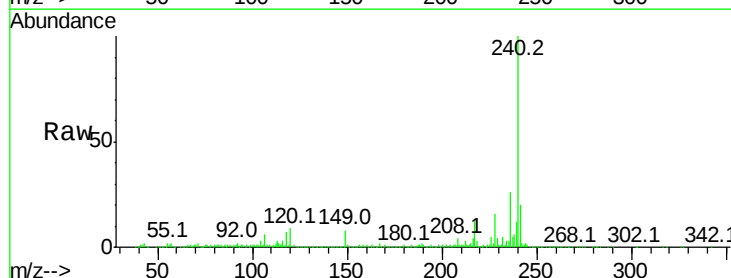
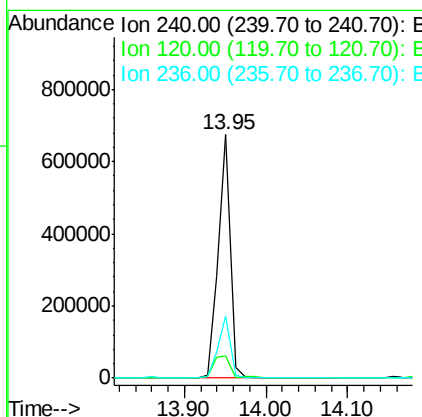
RT: 13.95 min Scan# 1038

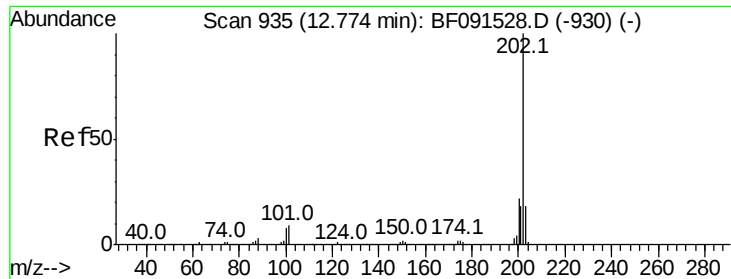
Delta R.T. -0.01 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Tgt Ion:	240	Resp:	689345
Ion	Ratio	Lower	Upper
240	100		
120	8.9	12.1	18.1#
236	25.6	21.0	31.6





#77

Pvrene

Concen: 30.76 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.02 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Instrument :

BNA_F

ClientSampleId :

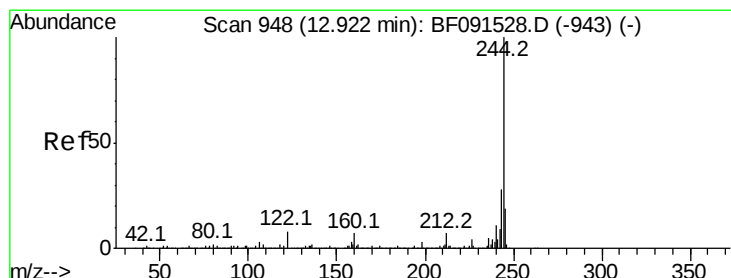
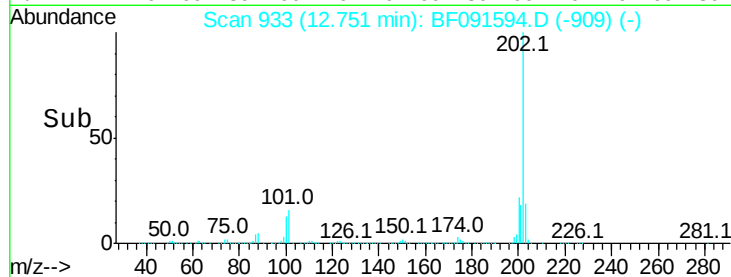
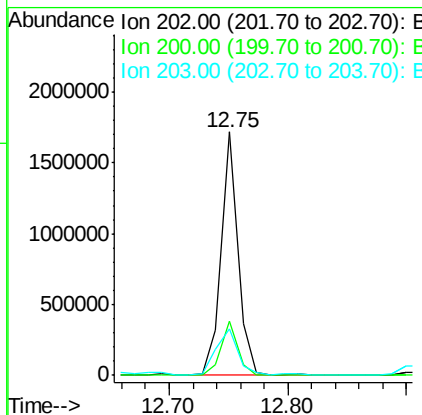
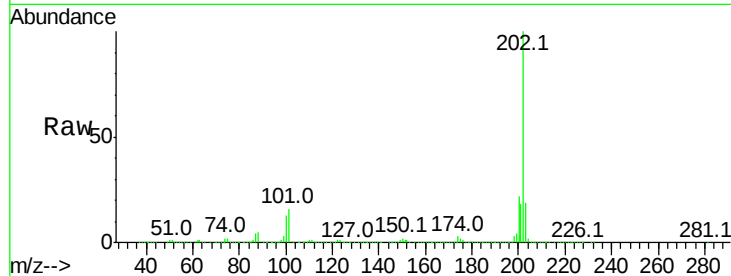
WC-8-0-5

Tot Ion:202 Resp: 1682140

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	19.1	14.0	21.0

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#78

Terphenyl-d14

Concen: 62.90 ng

RT: 12.90 min Scan# 946

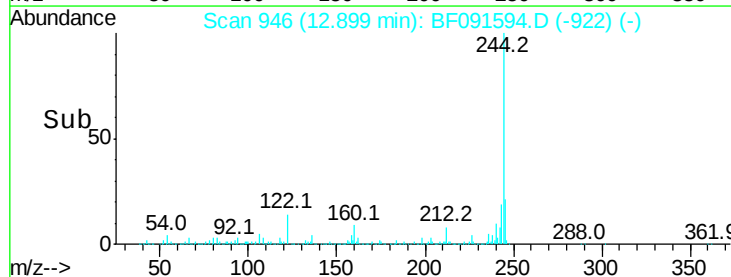
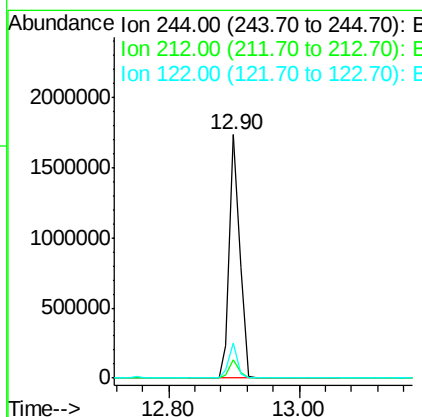
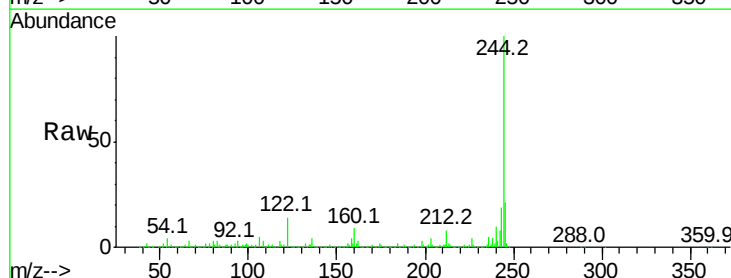
Delta R.T. -0.02 min

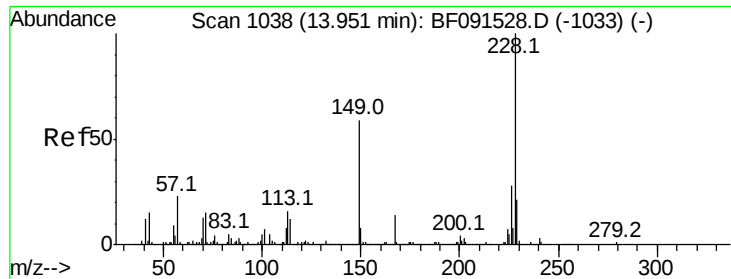
Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Tgt Ion:244 Resp: 1910955

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	14.4	9.5	14.3#





#80

Benzo(a)anthracene

Concen: 21.01 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Instrument :

BNA_F

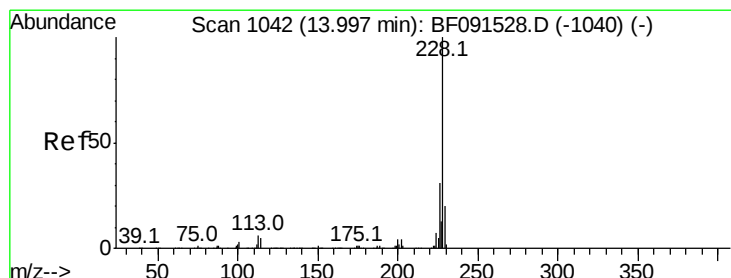
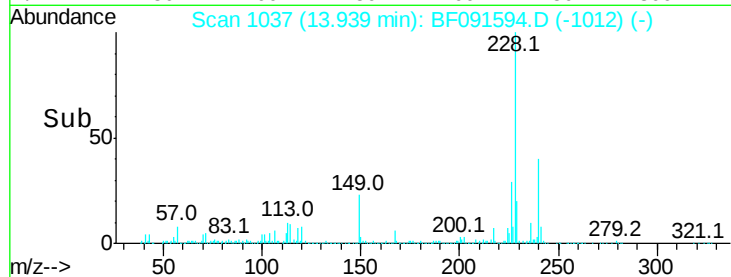
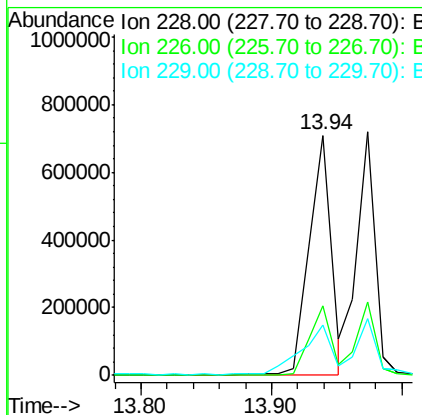
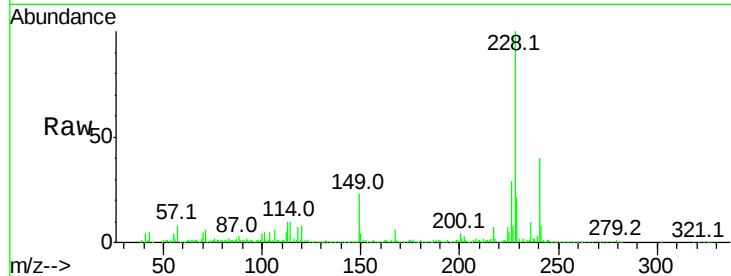
ClientSampleId :

WC-8-0-5

Tot Ion:	228	Resp:	841033
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.5	33.7
229	21.0	16.4	24.6

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#82

Chrysene

Concen: 16.69 ng m

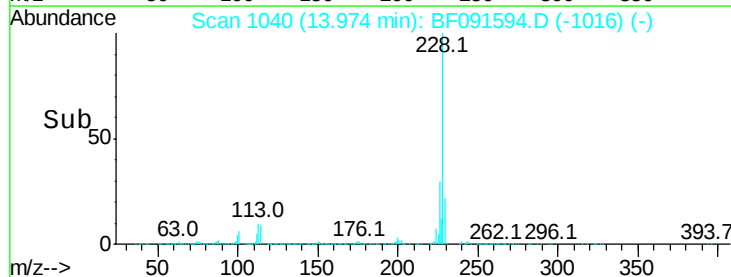
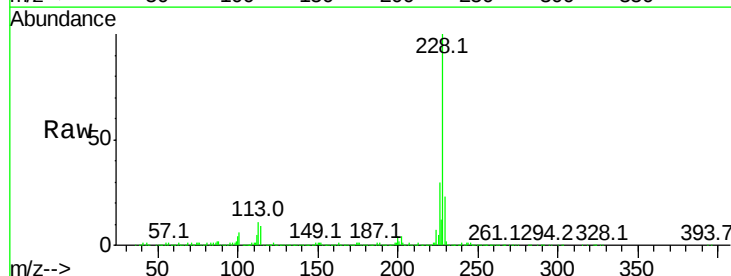
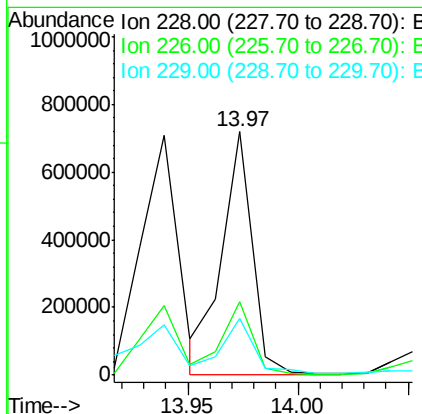
RT: 13.97 min Scan# 1040

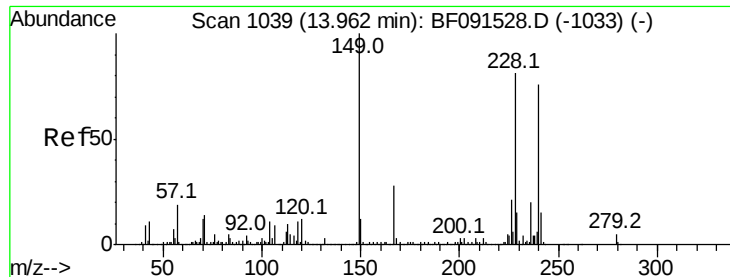
Delta R.T. -0.02 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Tgt Ion:	228	Resp:	698946
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.4
229	23.1	16.0	24.0





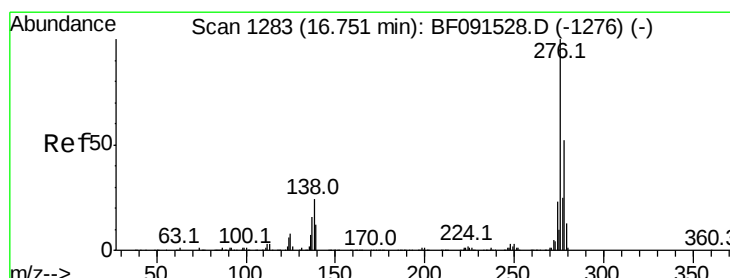
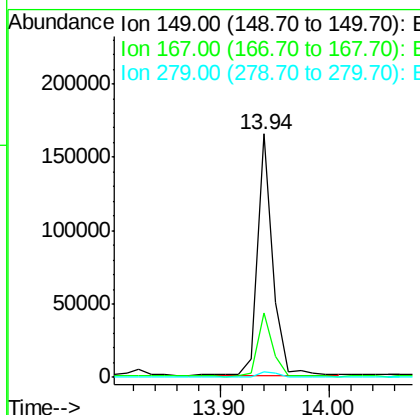
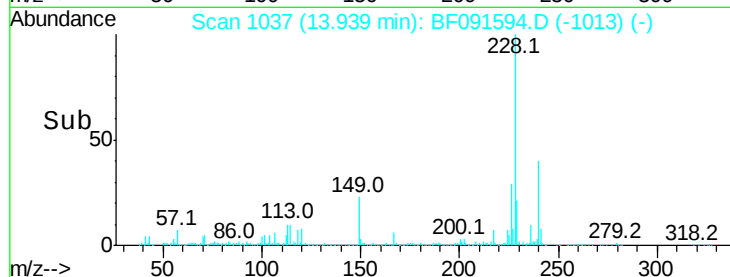
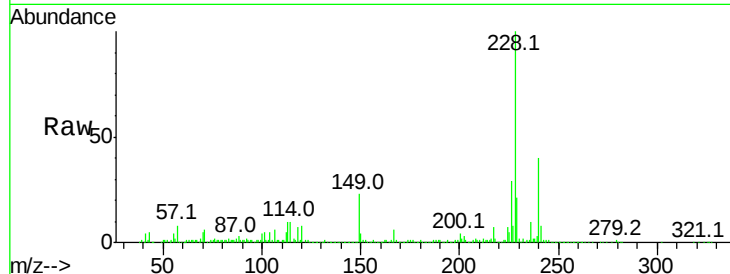
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.85 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BF091594.D
 Acq: 14 Dec 2016 19:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-8-0-5

Tot Ion	Ratio	Resp	Lower	Upper
149	100	160027		
167	26.3	19.6	29.4	
279	2.5	1.9	2.9	

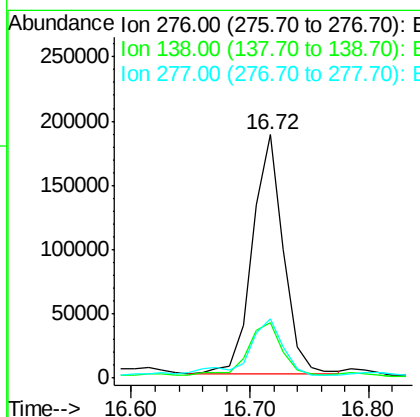
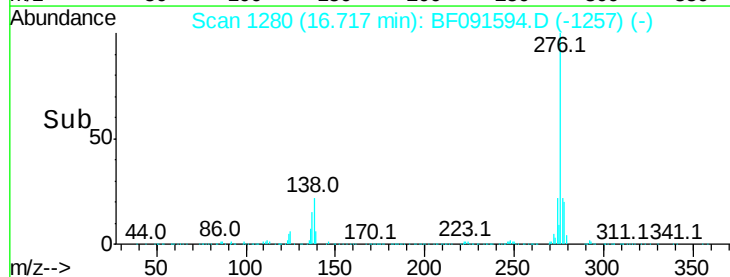
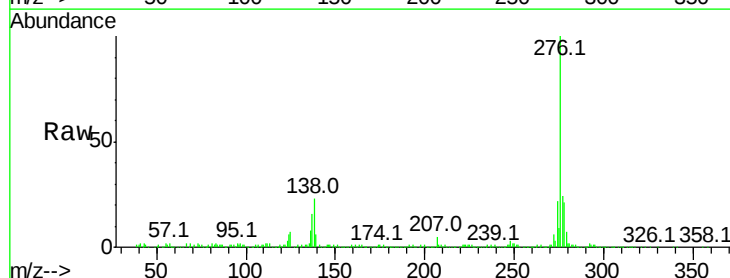
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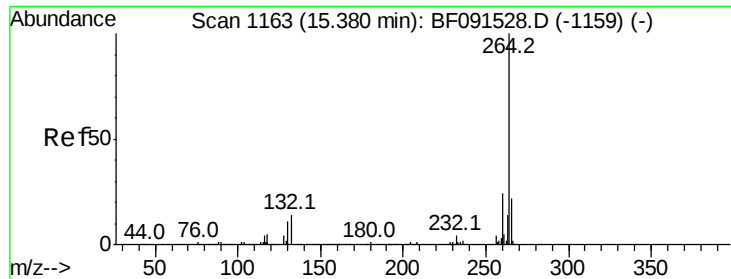
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.94 ng
 RT: 16.72 min Scan# 1280
 Delta R.T. -0.03 min
 Lab File: BF091594.D
 Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	336923		
138	26.3	21.0	31.4	
277	29.8	20.2	30.2	





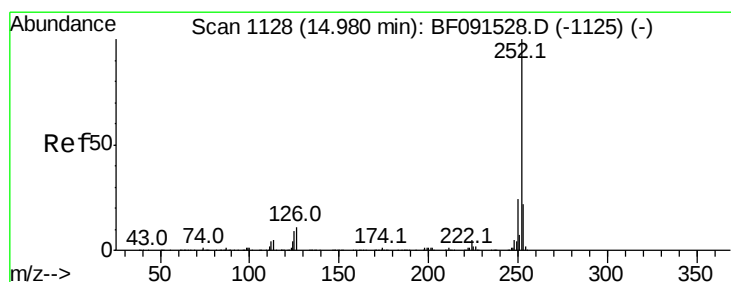
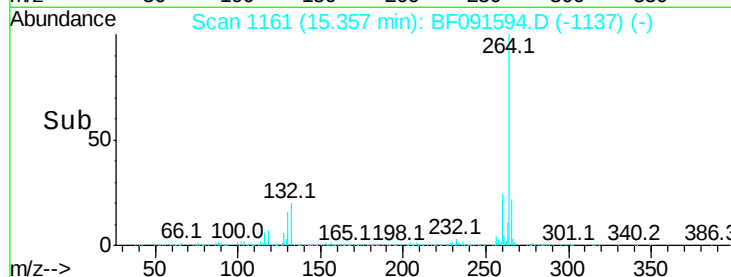
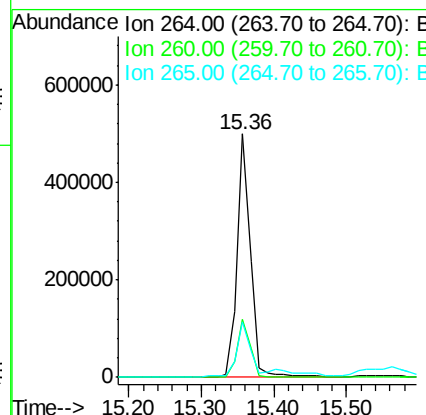
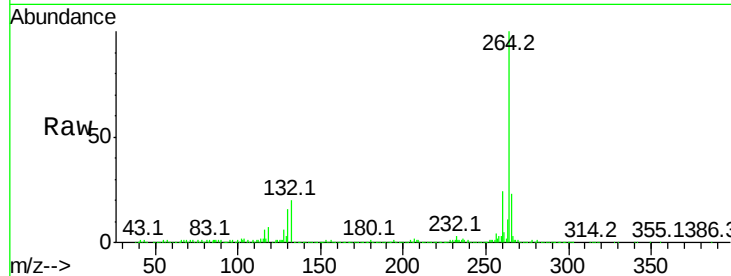
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.7	17.0	25.6

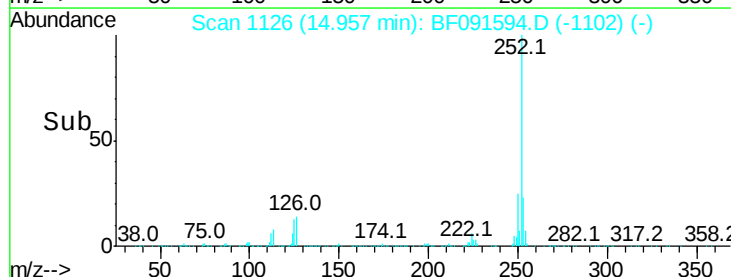
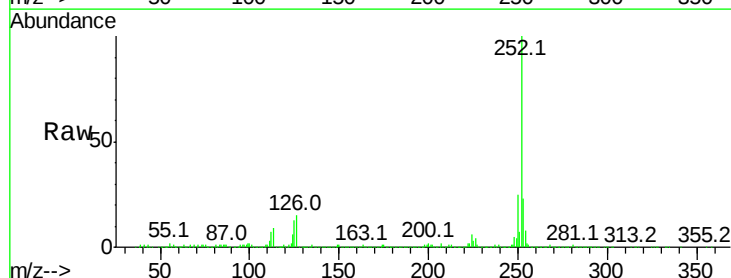
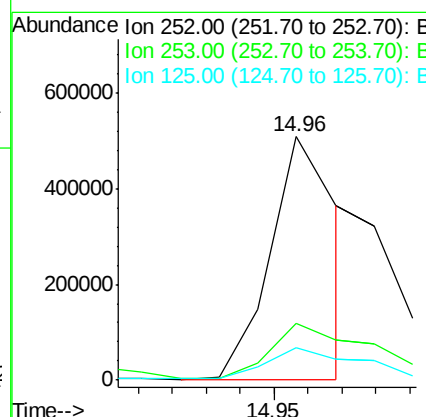
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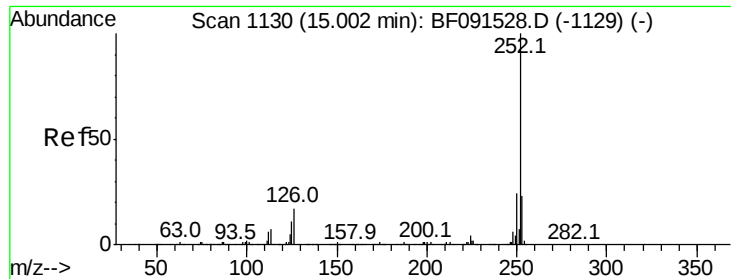
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#87
Benzo(b)fluoranthene
Concen: 18.65 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.1	8.6	13.0#





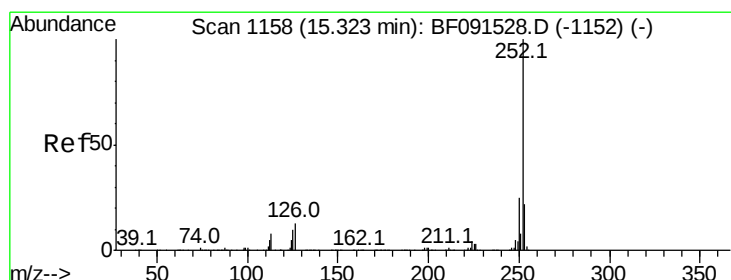
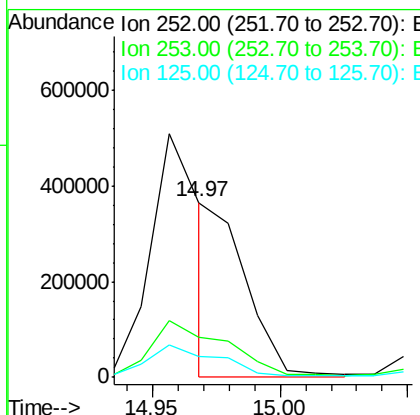
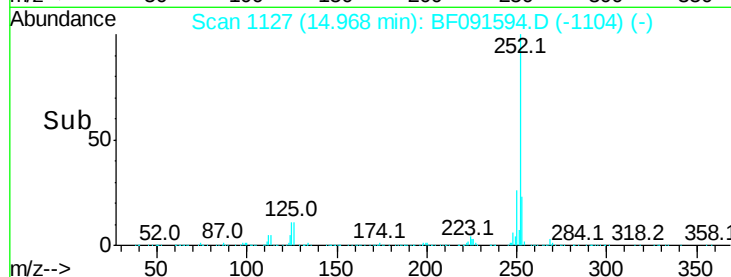
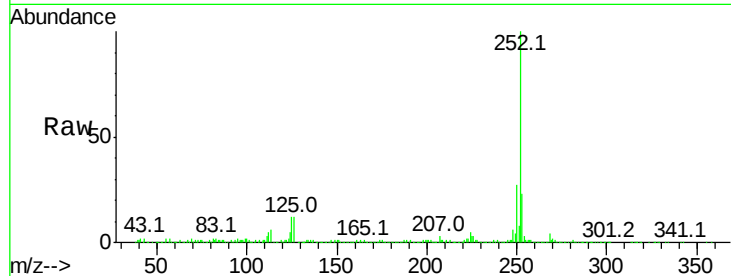
#88
Benzo(k)fluoranthene
Concen: 9.94 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Instrument :
BNA_F
ClientSampleId :
WC-8-0-5

Tot Ion	Ratio	Resp	Lower	Upper
252	100	330532		
253	23.2	17.8	26.8	
125	11.9	9.6	14.4	

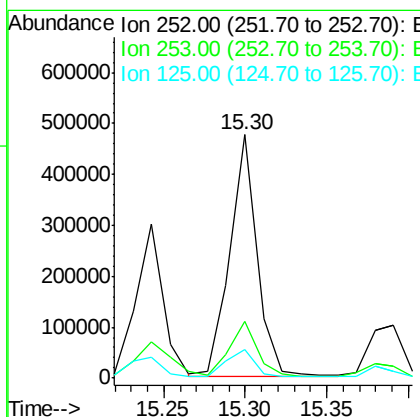
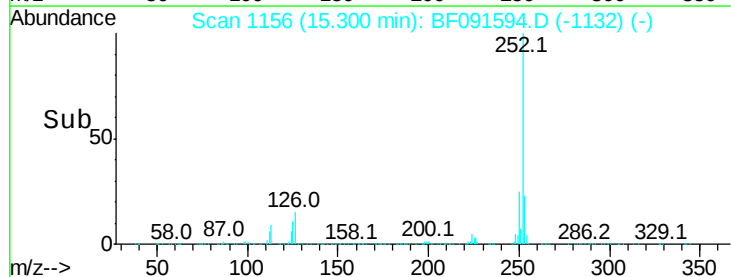
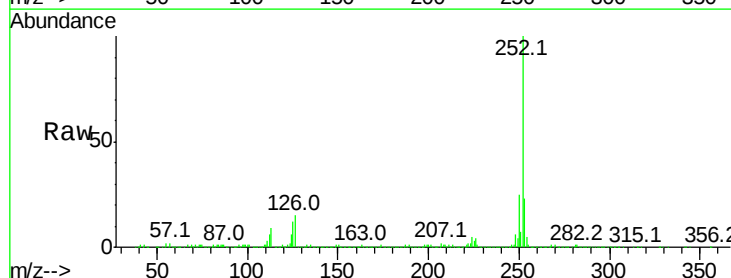
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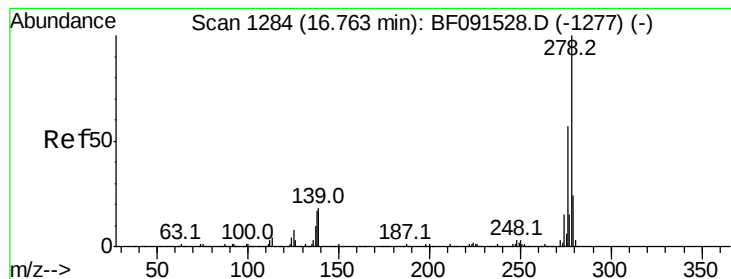
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#89
Benzo(a)pyrene
Concen: 16.21 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BF091594.D
Acq: 14 Dec 2016 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	552276		
253	23.2	18.2	27.4	
125	12.0	10.4	15.6	





#90

Dibenzo(a,h)anthracene

Concen: 2.86 ng

RT: 16.73 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Instrument :

BNA_F

ClientSampleId :

WC-8-0-5

Tot Ion:278 Resp: 87191

Ion Ratio Lower Upper

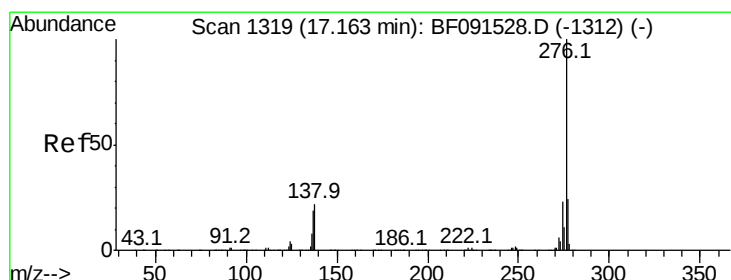
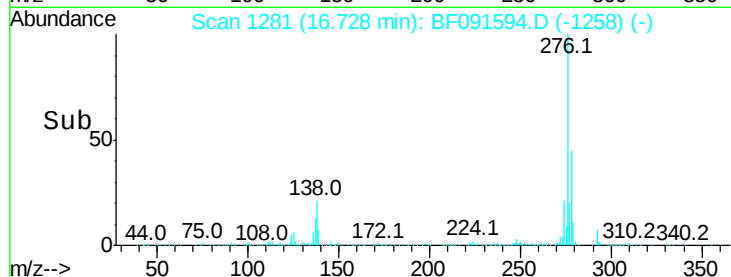
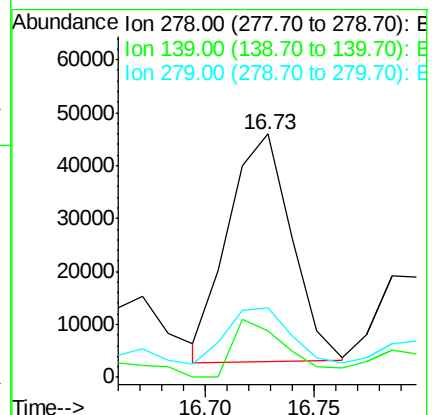
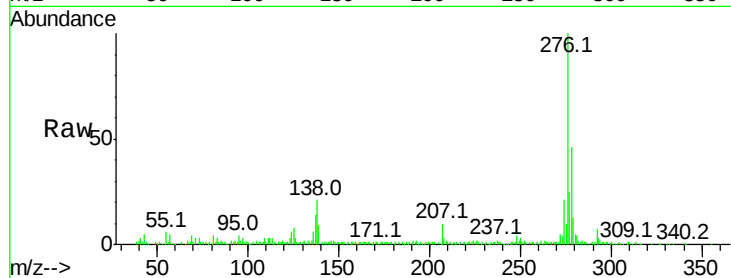
278 100

139 19.3 15.1 22.7

279 28.5 19.0 28.6

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#91

Benzo(g,h,i)perylene

Concen: 10.26 ng

RT: 17.13 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BF091594.D

Acq: 14 Dec 2016 19:51

Tgt Ion:276 Resp: 318675

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 21.6 15.4 23.0

