

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
 Data File : BF091780.D
 Acq On : 19 Dec 2016 16:32
 Operator : UM/SJ
 Sample : H6006-17DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL

Manual Integrations
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Quant Time: Dec 19 18:32:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	213773	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	897435	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	434518	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	722621	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	408781	20.00	ng	-0.01
86) Perylene-d12	15.31	264	464335	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	368081	28.85	ng	-0.02
7) Phenol-d6	6.40	99	493585	31.72	ng	-0.02
23) Nitrobenzene-d5	7.32	82	301144	19.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	76325	20.71	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	501506	23.19	ng	-0.02
78) Terphenyl-d14	12.87	244	385949	23.84	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	70715	2.49	ng	# 99
57) Fluorene	10.34	166	62331	2.73	ng	95
70) Phenanthrene	11.30	178	1305330	36.15	ng	98
71) Anthracene	11.34	178	284123	7.43	ng	97
72) Carbazole	11.50	167	68208	2.04	ng	97
74) Fluoranthene	12.50	202	3447345	91.41	ng	93
77) Pyrene	12.73	202	3628924	122.93	ng	99
80) Benzo(a)anthracene	13.91	228	1625887	69.54	ng	98
82) Chrysene	13.94	228	1508067m	62.22	ng	
85) Indeno(1,2,3-cd)pyrene	16.66	276	1181313	49.57	ng	95
87) Benzo(b)fluoranthene	14.92	252	2449409m	83.19	ng	
88) Benzo(k)fluoranthene	14.95	252	266818m	12.92	ng	
89) Benzo(a)pyrene	15.27	252	1529204	60.51	ng	97
90) Dibenzo(a,h)anthracene	16.67	278	333330	15.13	ng	97
91) Benzo(a,h,i)perylene	17.07	276	1061453	47.41	ng	97

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

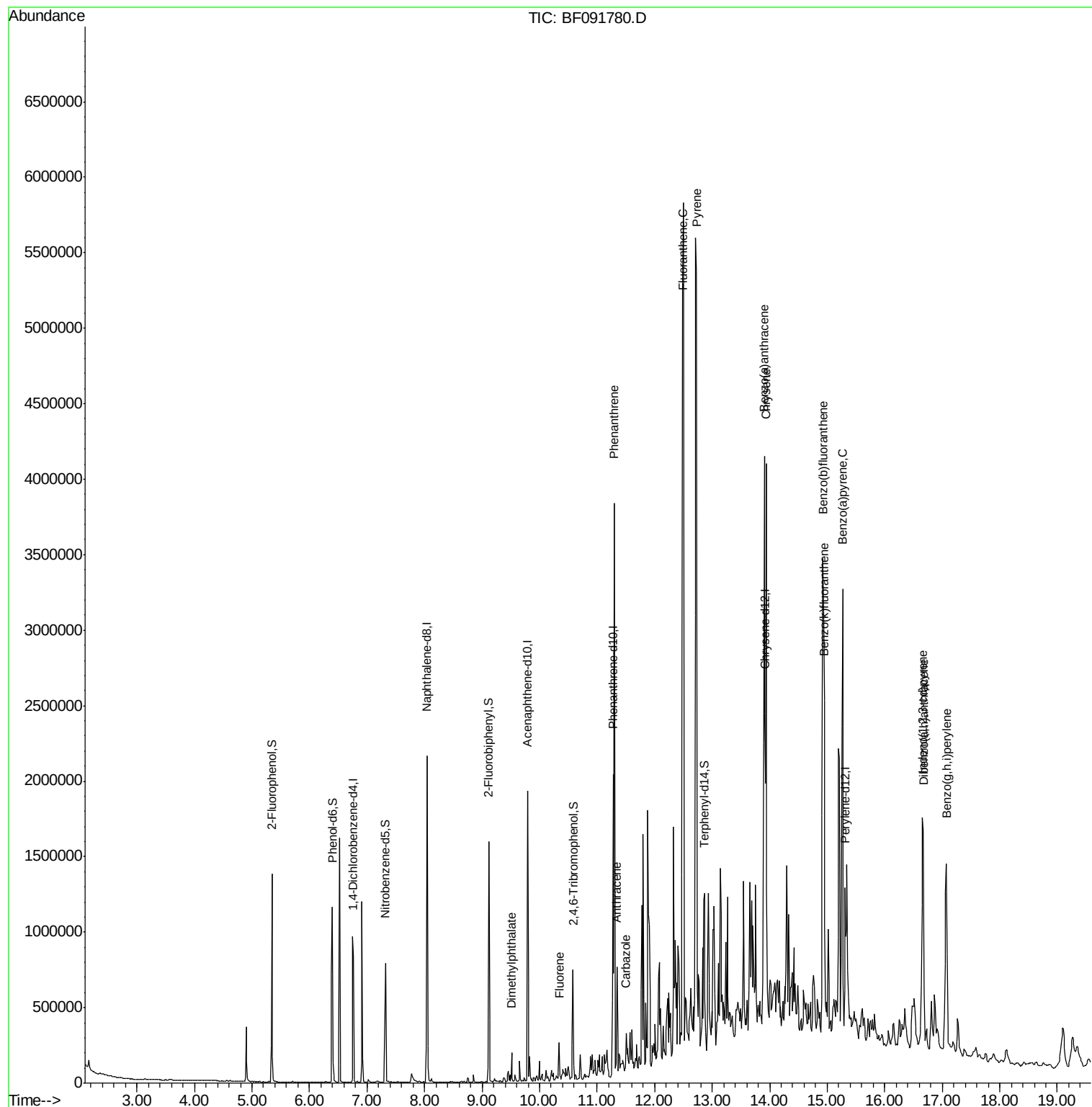
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
Data File : BF091780.D
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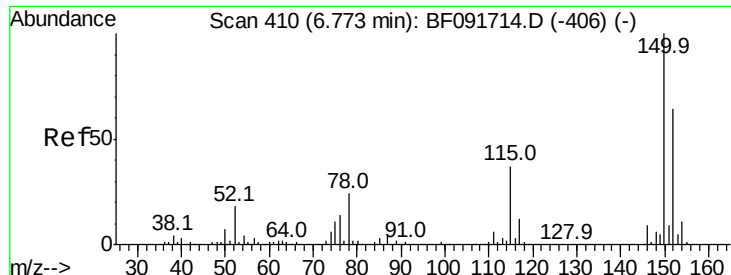
Instrument :
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#1

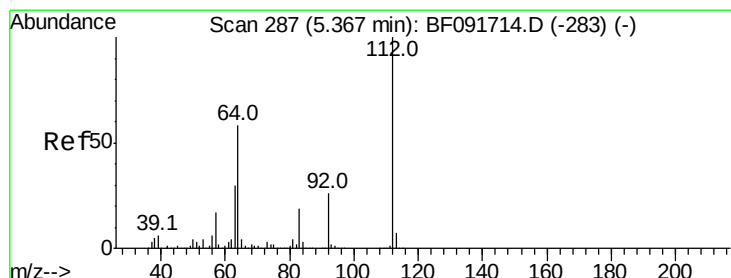
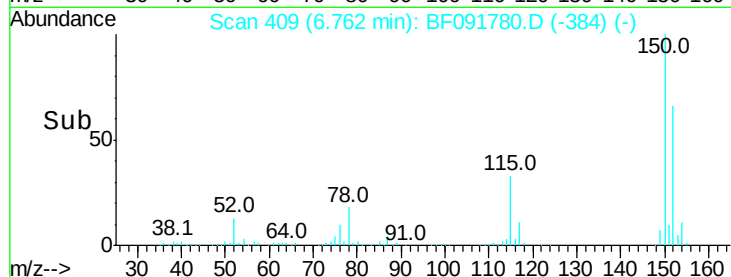
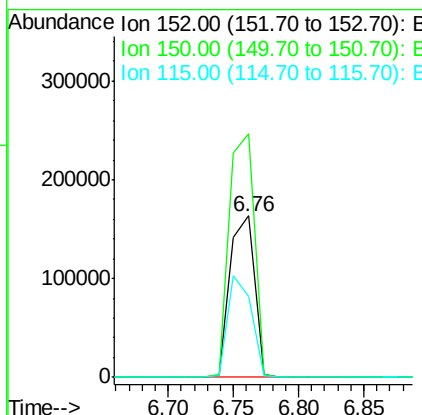
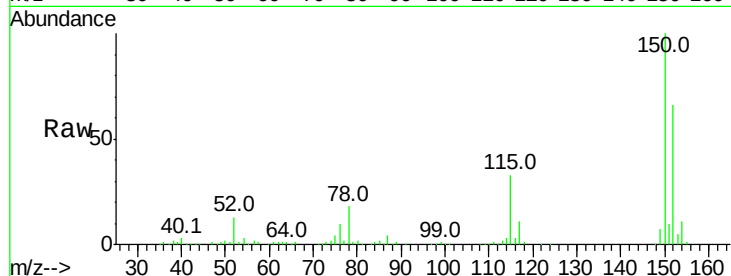
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.9	187.3
115	50.0	46.0	69.0

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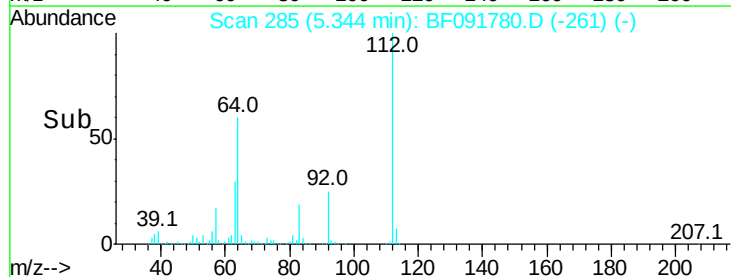
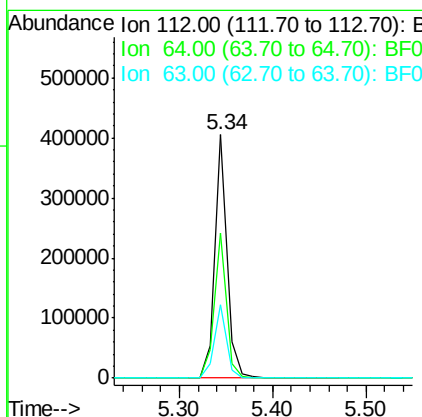
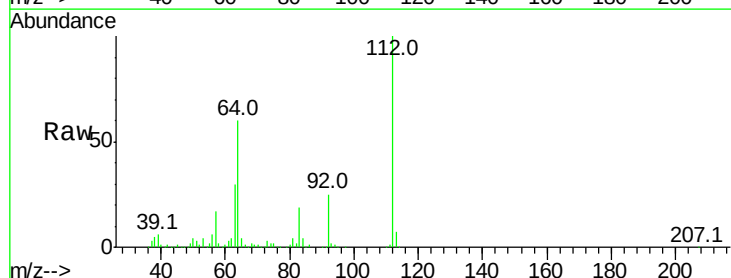
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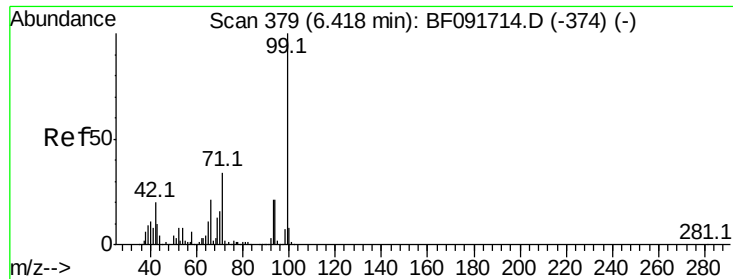


#5

2-Fluorophenol
Concen: 28.85 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.1	69.1
63	30.2	23.8	35.6





#7

Phenol-d6

Concen: 31.72 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF091780.D

Acq: 19 Dec 2016 16:32

Instrument :

BNA_F

ClientSampleId :

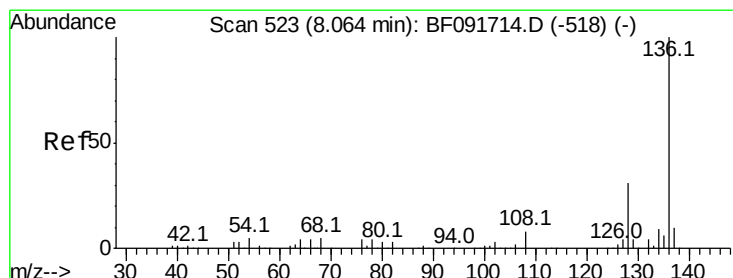
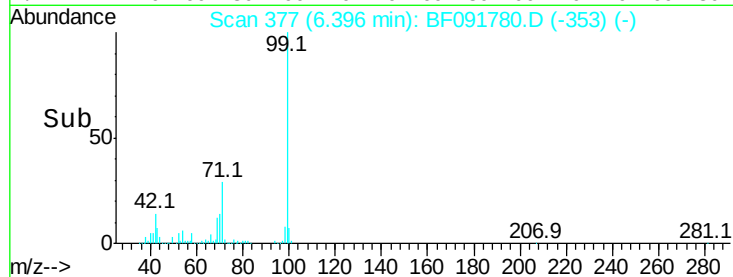
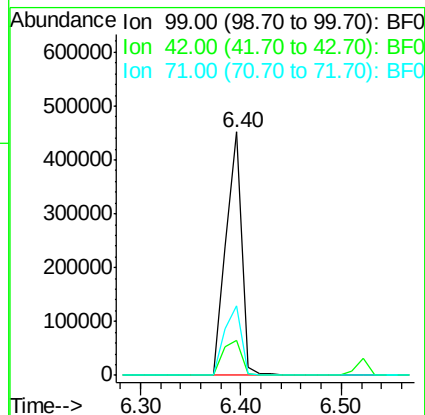
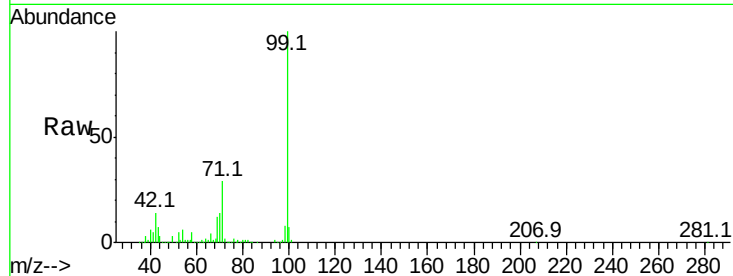
WC-1-0-5DL

Tot Ion: 99 Resp: 493585

Ion	Ratio	Lower	Upper
99	100		
42	14.2	15.6	23.4#
71	28.6	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

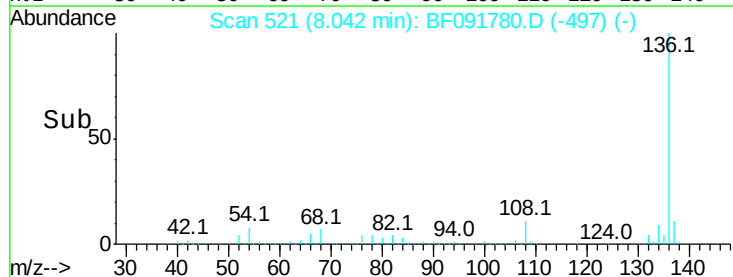
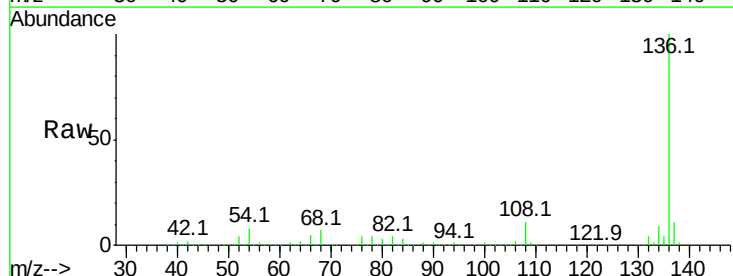
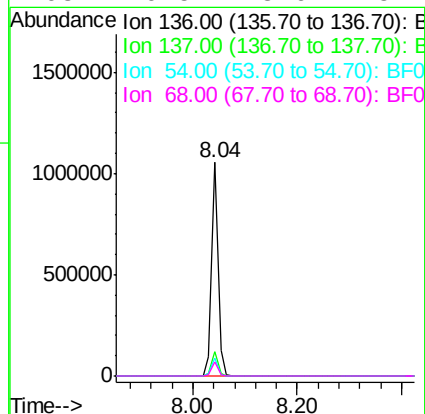
Delta R.T. -0.02 min

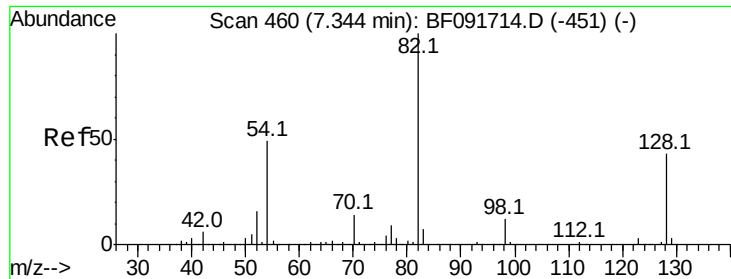
Lab File: BF091780.D

Acq: 19 Dec 2016 16:32

Tgt Ion: 136 Resp: 897435

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.5	4.5	6.7#
68	6.5	3.6	5.4#





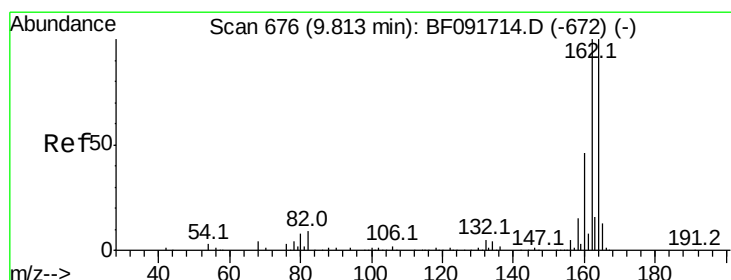
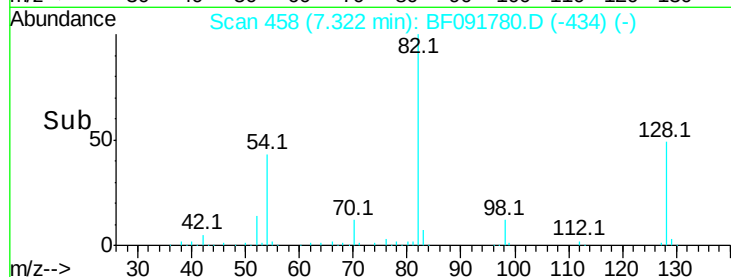
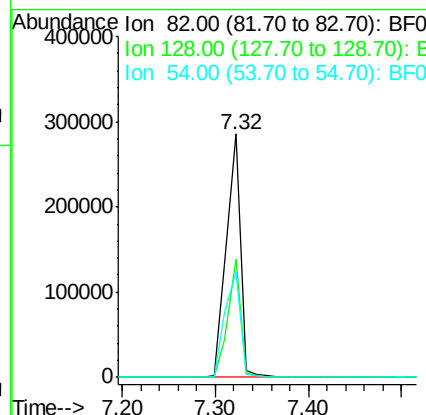
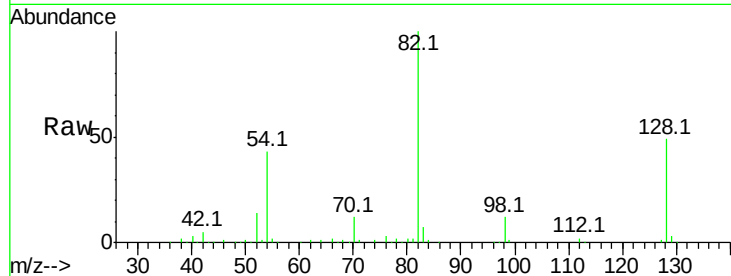
#23
 Nitrobenzene-d5
 Concen: 19.35 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Instrument :
 BNA_F
 ClientSampled :
 WC-1-0-5DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.6	34.6	52.0	
54	43.2	39.5	59.3	

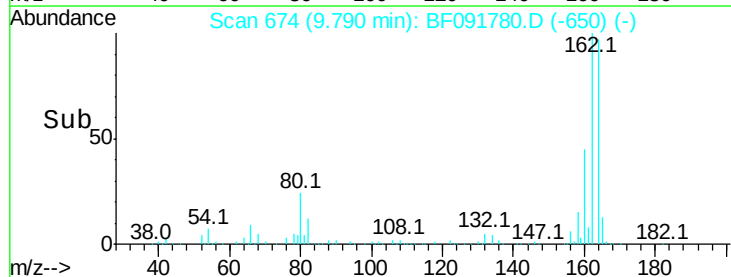
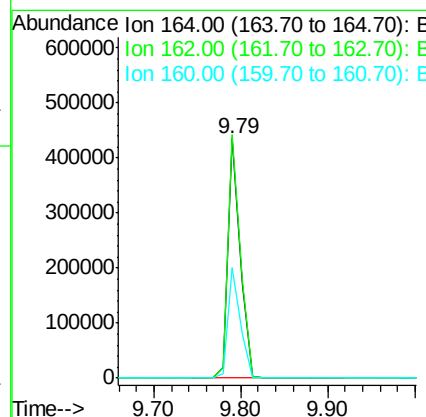
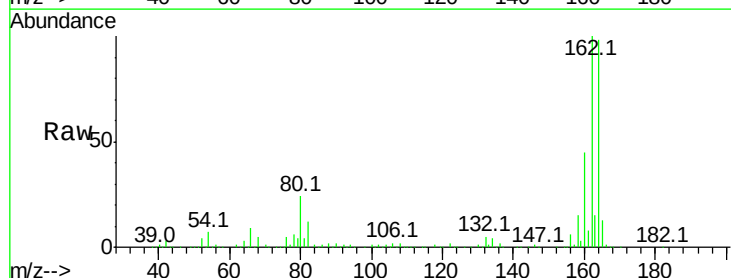
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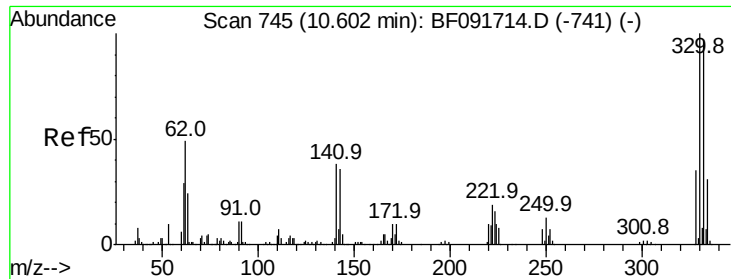
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	80.2	120.2	
160	45.9	36.9	55.3	





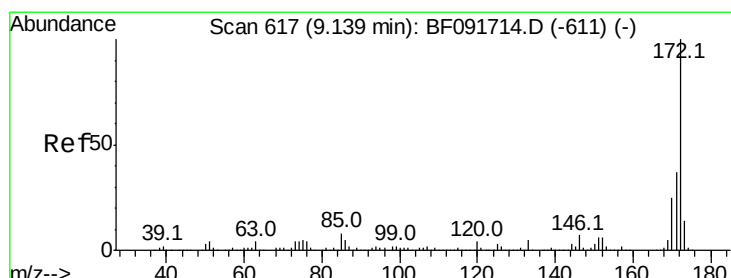
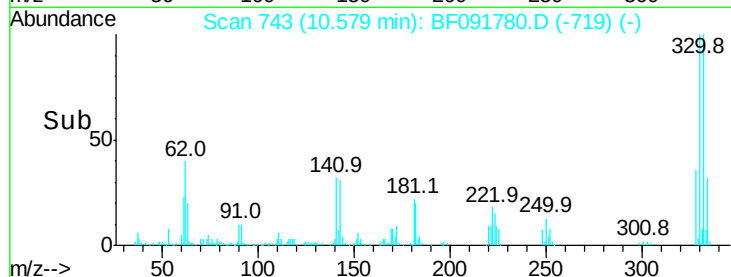
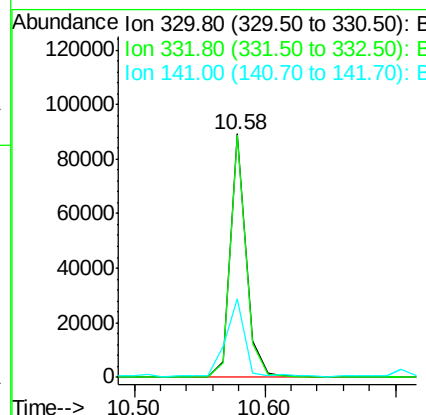
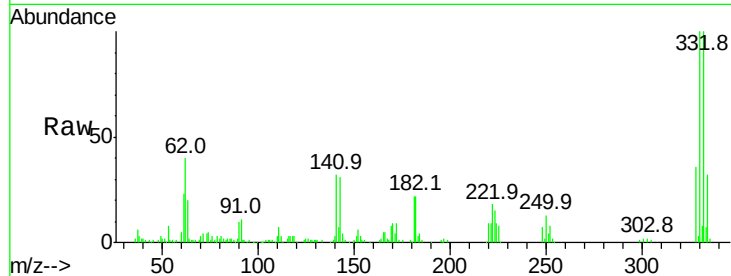
#41
 2,4,6-Tribromophenol
 Concen: 20.71 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.2
141	42.0	34.1	51.1

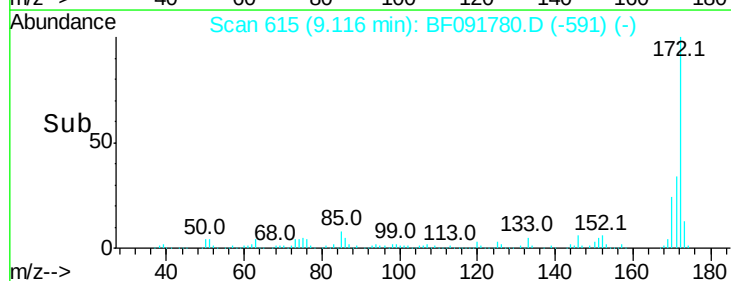
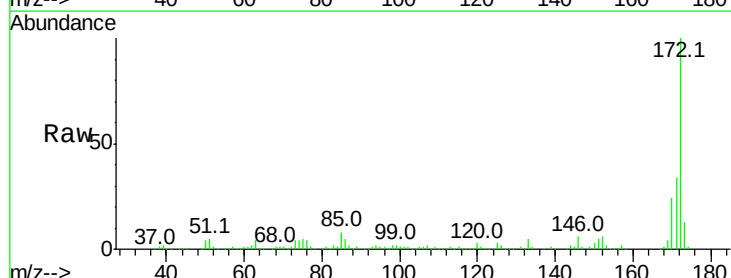
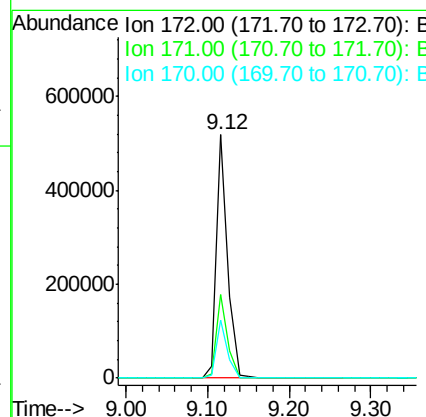
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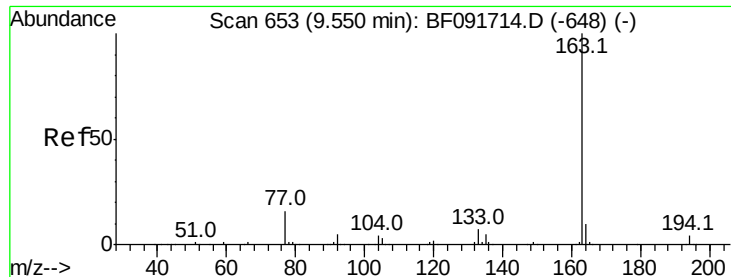
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#44
 2-Fluorobiphenyl
 Concen: 23.19 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.4	44.0
170	23.9	20.2	30.4





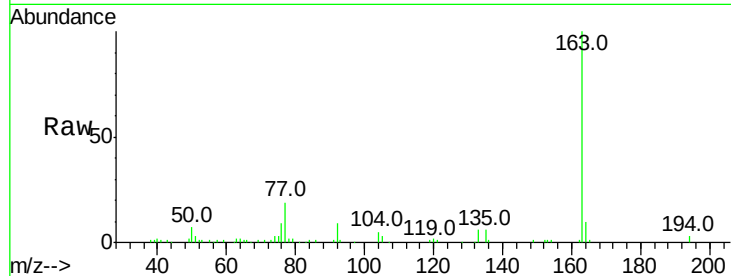
#49
Dimethylphthalate
Concen: 2.49 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL

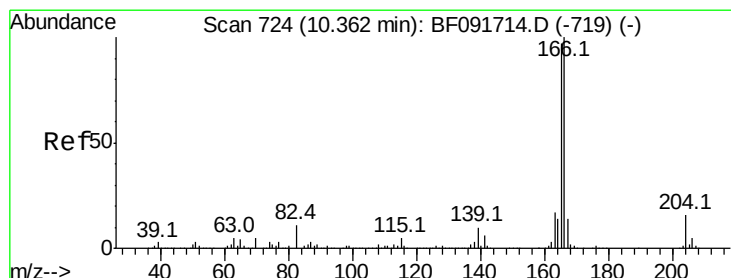
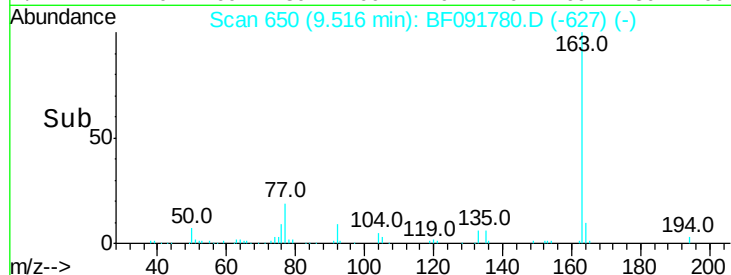
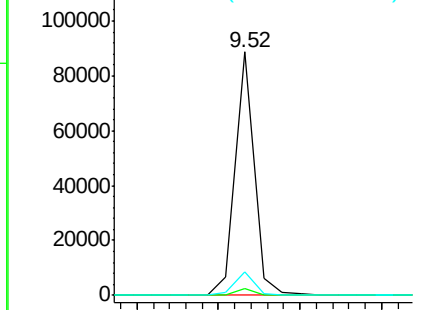
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.9	3.0	4.4#	
164	9.6	8.0	12.0	

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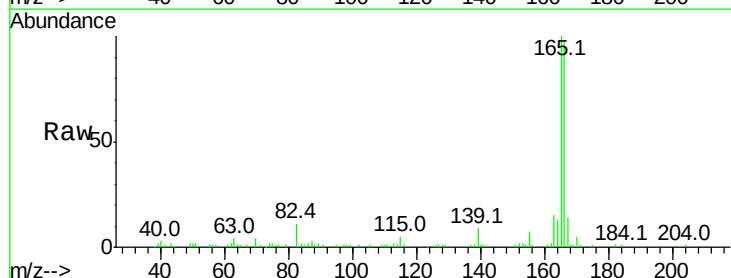


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

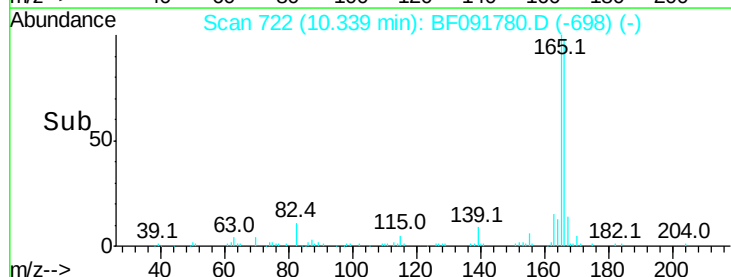
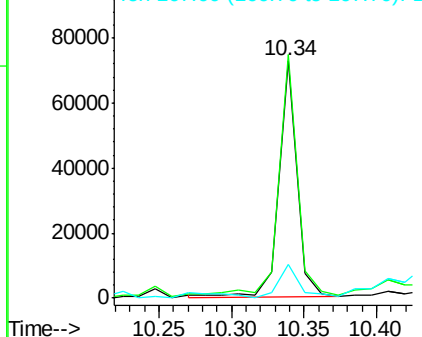


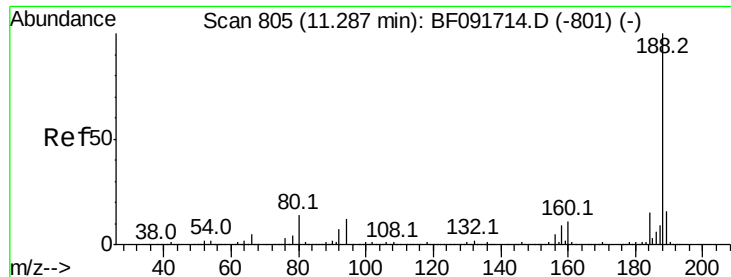
#57
Fluorene
Concen: 2.73 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	102.4	77.8	116.8	
167	14.3	10.8	16.2	



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





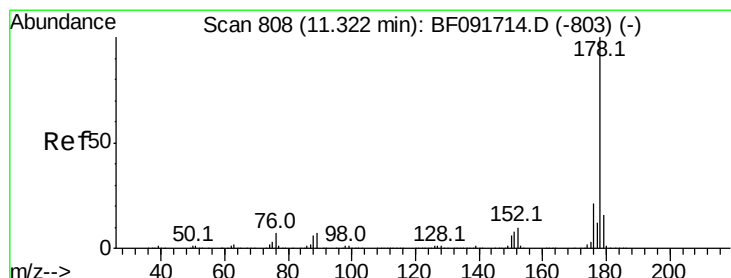
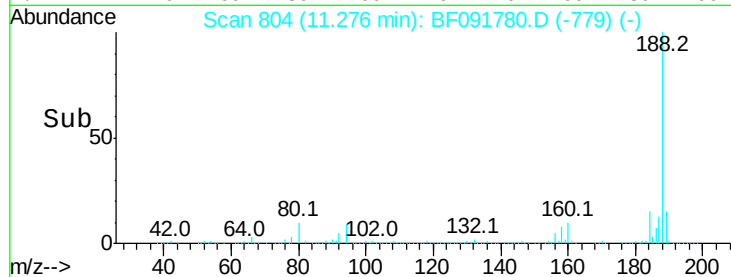
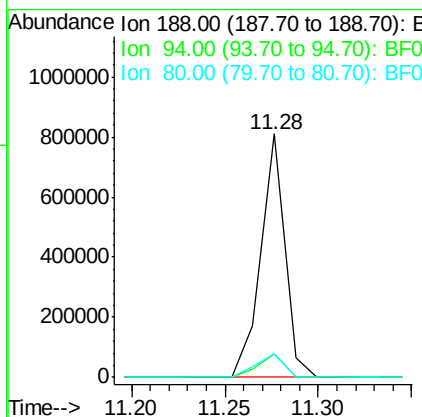
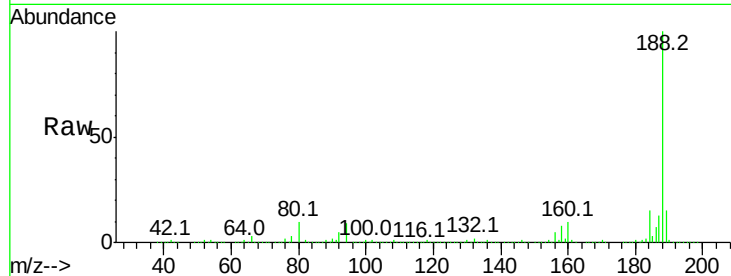
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Instrument :
 BNA_F
 ClientSampleID :
 WC-1-0-5DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	722621		
94	9.4	10.0	15.0#	
80	9.8	11.2	16.8#	

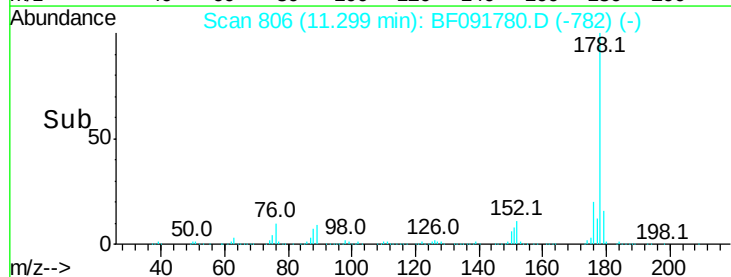
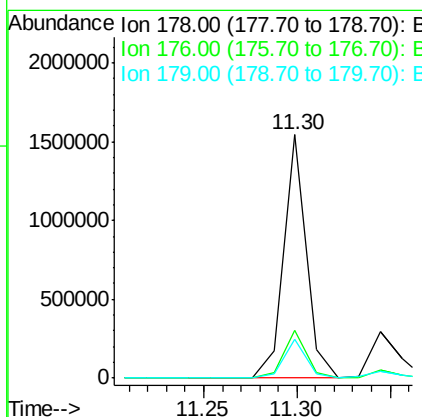
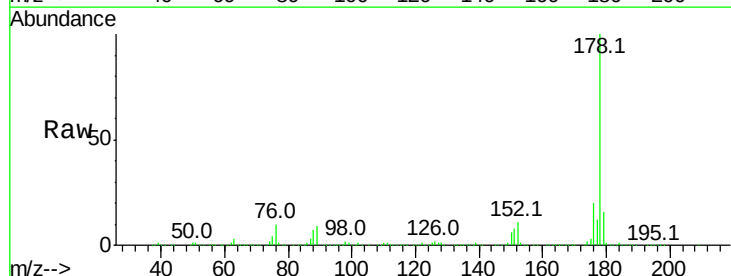
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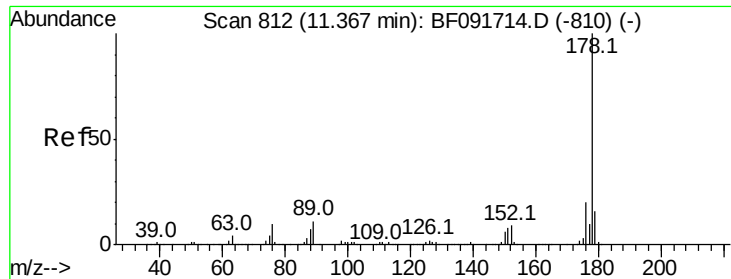
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#70
 Phenanthrene
 Concen: 36.15 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1305330		
176	19.6	16.6	25.0	
179	15.9	12.8	19.2	





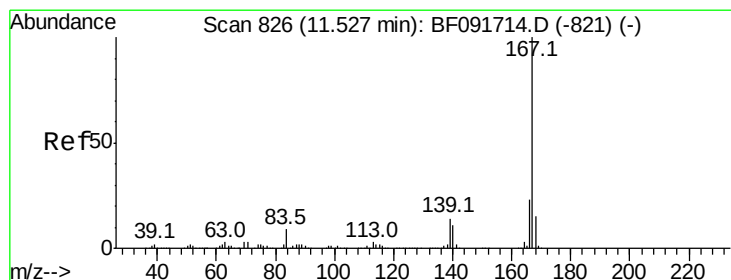
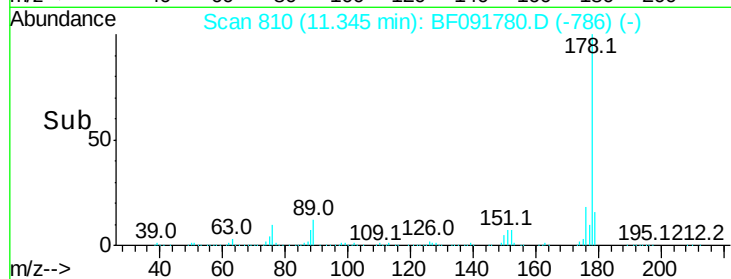
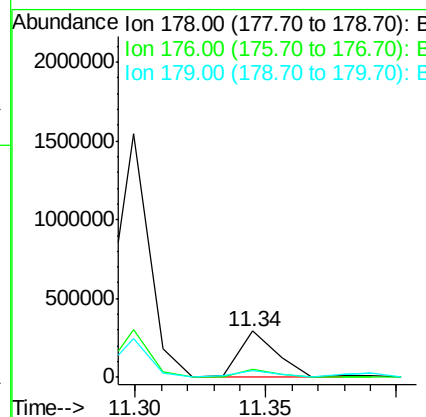
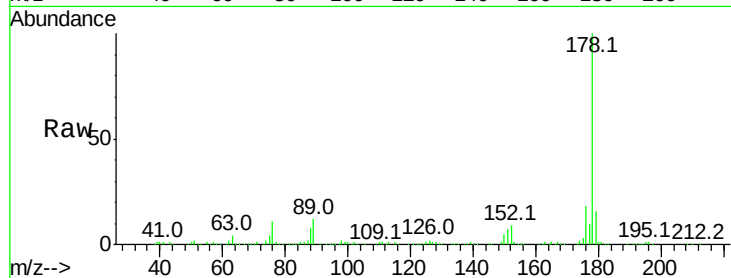
#71
 Anthracene
 Concen: 7.43 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	15.9	13.2	19.8

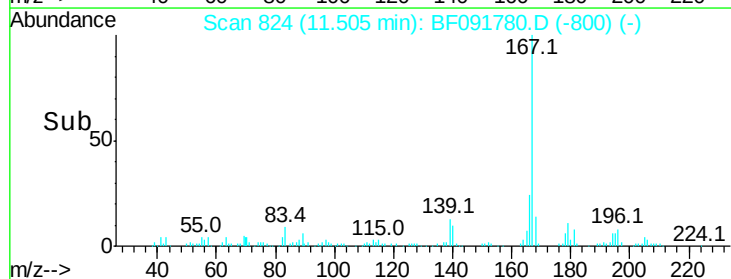
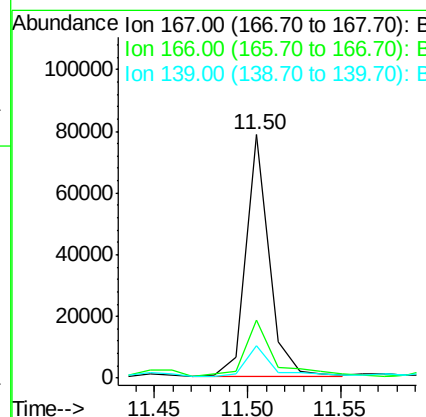
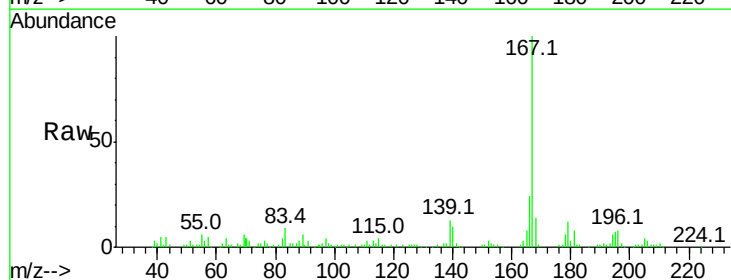
Manual Integrations
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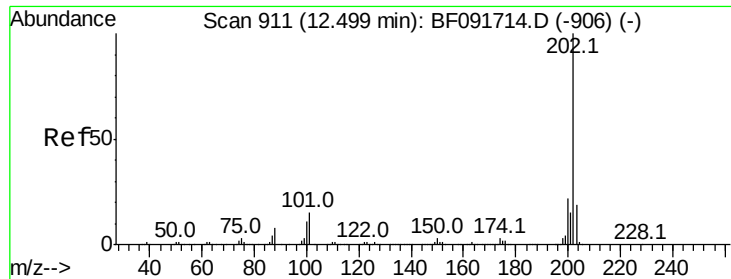
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#72
 Carbazole
 Concen: 2.04 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.0	18.2	27.2
139	13.2	11.4	17.2





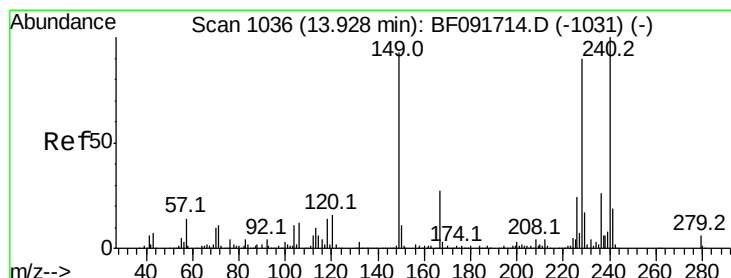
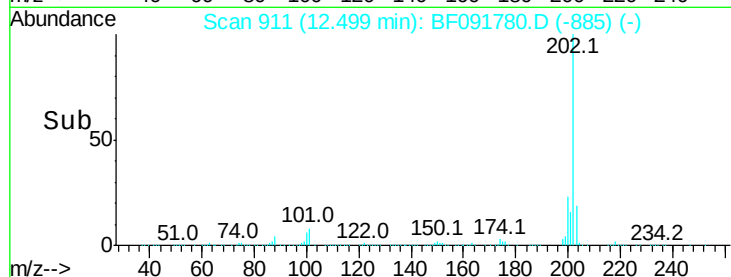
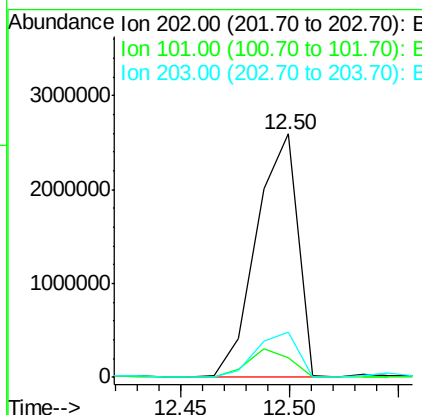
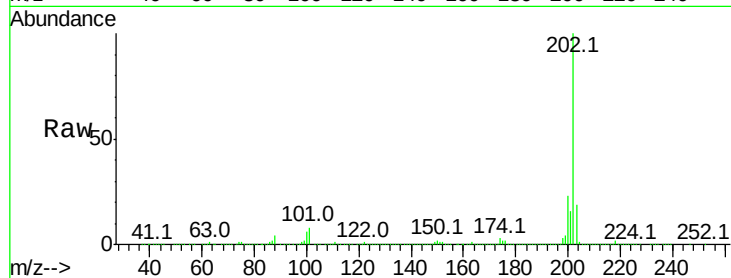
#74
 Fluoranthene
 Concen: 91.41 ng
 RT: 12.50 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	34.6
203	18.8	0.0	38.7

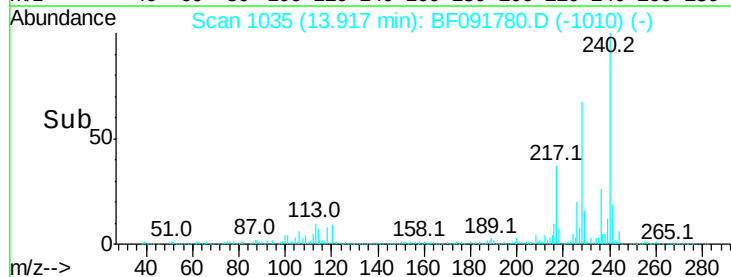
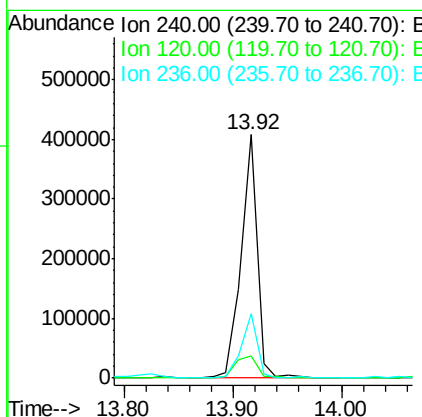
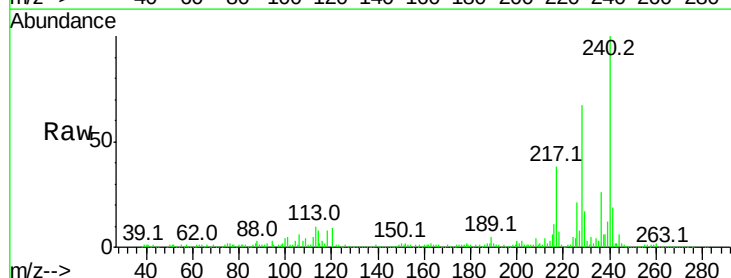
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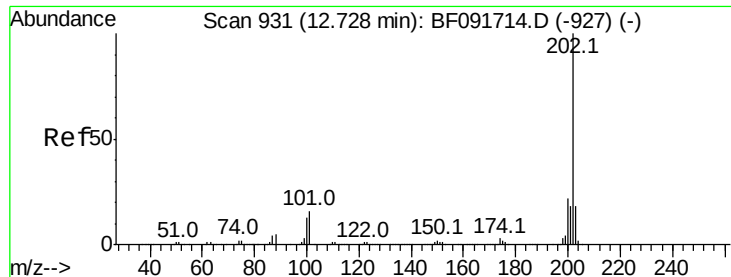
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	12.9	19.3#
236	26.3	20.9	31.3





#77

Pvrene

Concen: 122.93 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF091780.D

Acq: 19 Dec 2016 16:32

Instrument :

BNA_F

ClientSampleId :

WC-1-0-5DL

Tot Ion:202 Resp: 3628924

Ion Ratio Lower Upper

202 100

200 22.7 17.7 26.5

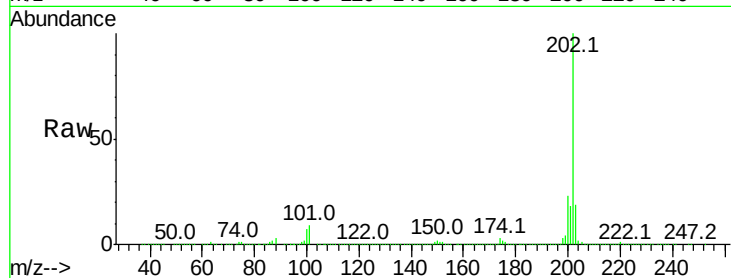
203 19.0 14.7 22.1

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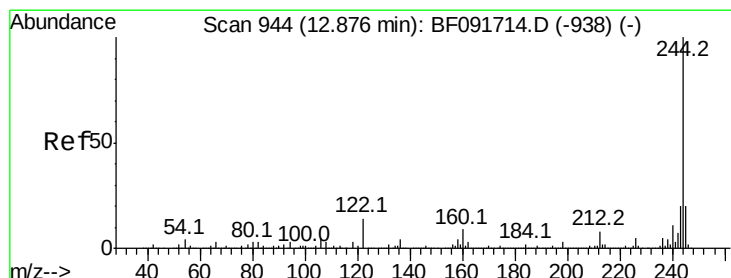
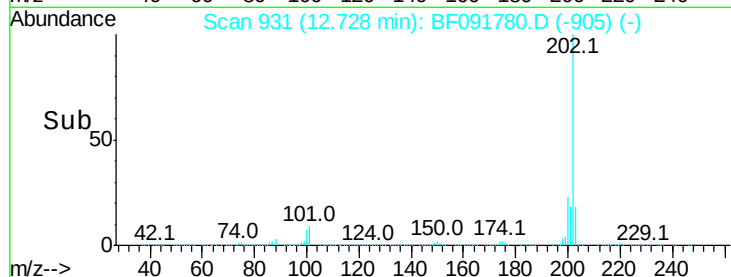
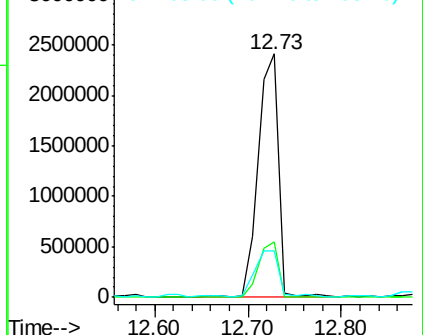
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 23.84 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091780.D

Acq: 19 Dec 2016 16:32

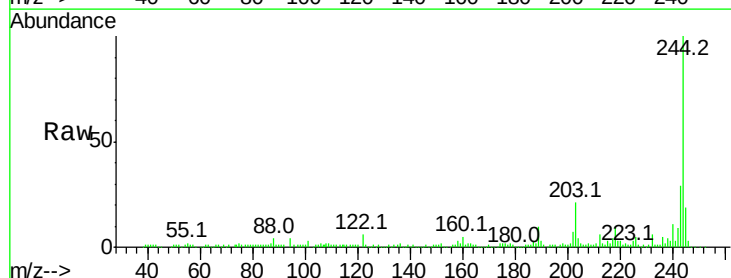
Tgt Ion:244 Resp: 385949

Ion Ratio Lower Upper

244 100

212 6.0 6.2 9.2#

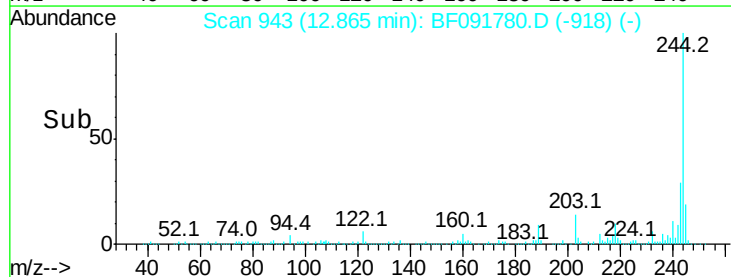
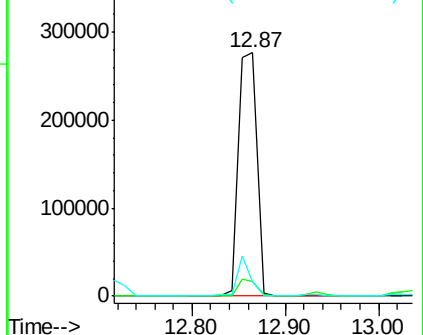
122 6.2 11.4 17.2#

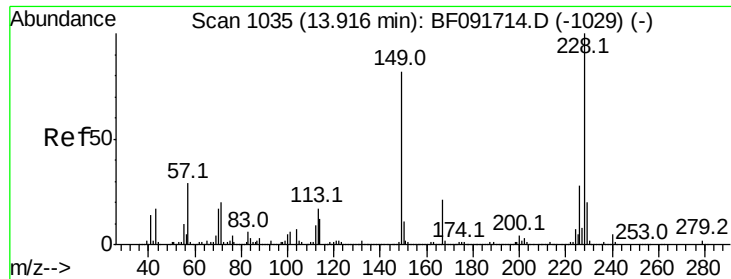


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





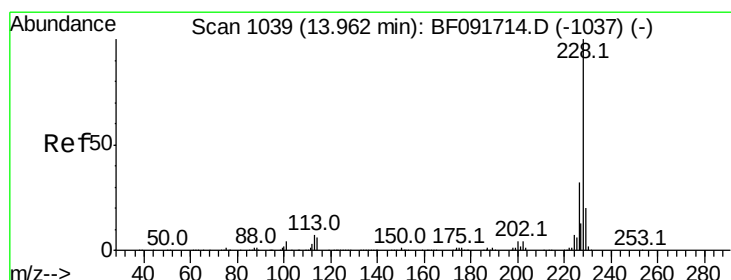
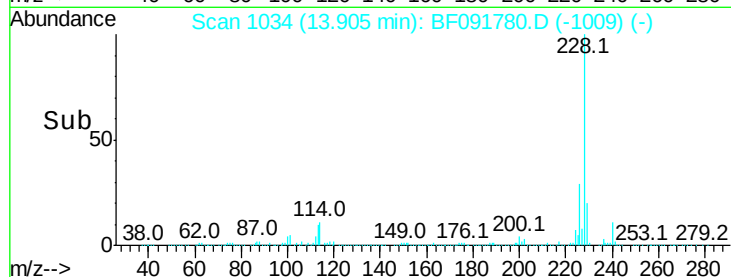
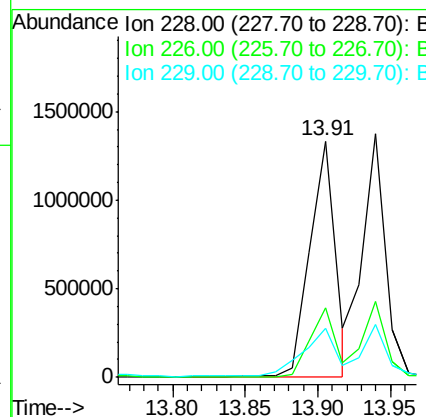
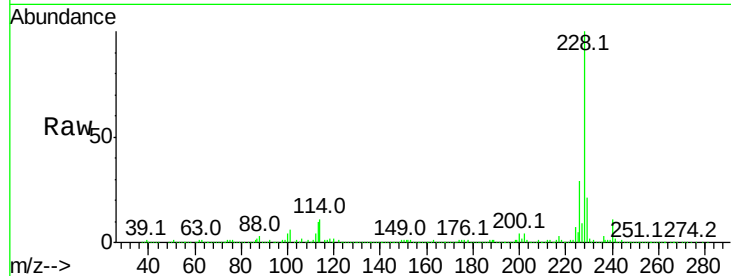
#80
Benzo(a)anthracene
Concen: 69.54 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	20.8	16.2	24.4

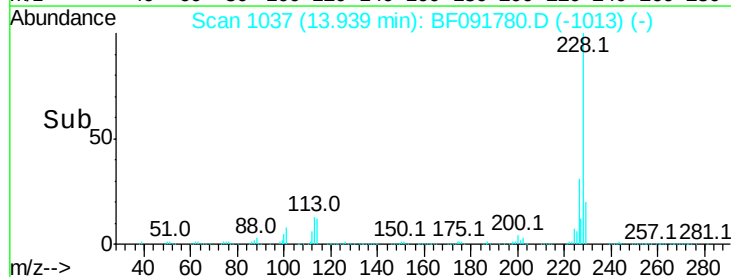
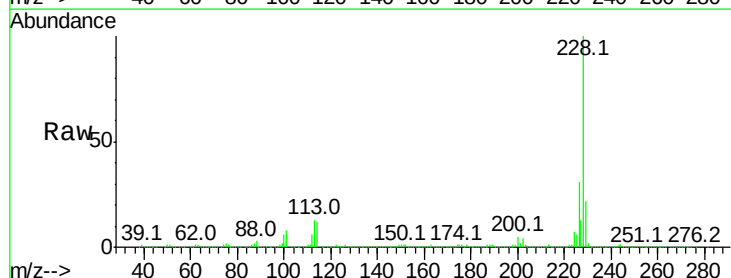
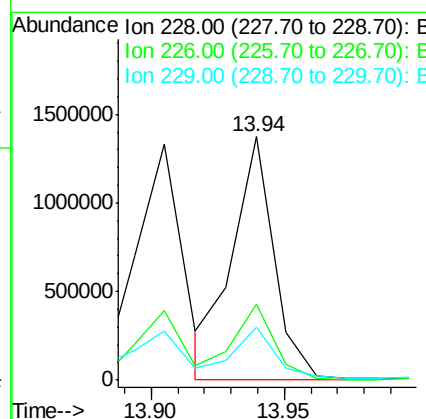
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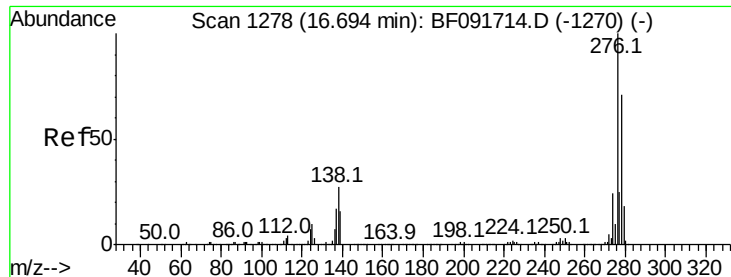
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#82
Chrysene
Concen: 62.22 ng m
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.4	38.0
229	22.0	16.2	24.2





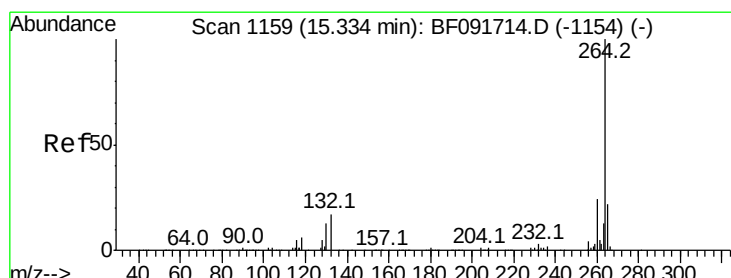
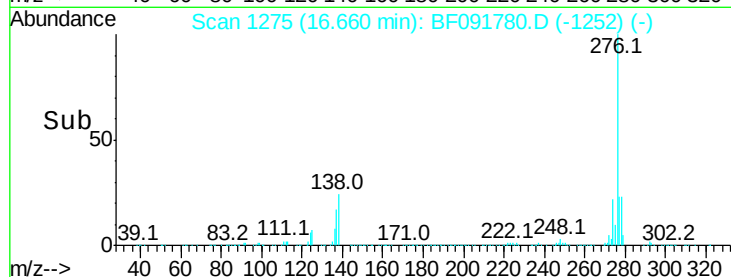
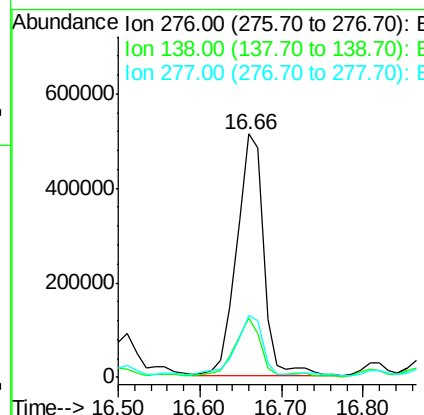
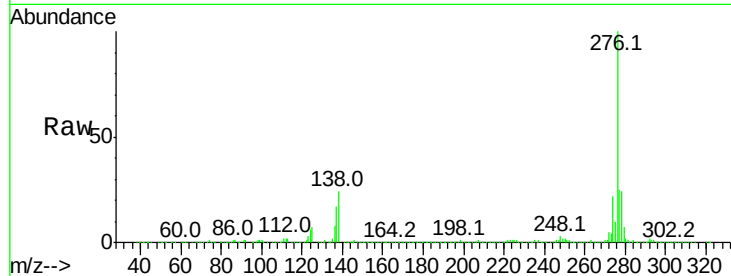
#85
Indeno(1,2,3-cd)pyrene
Concen: 49.57 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	21.8	32.6
277	25.6	20.2	30.4

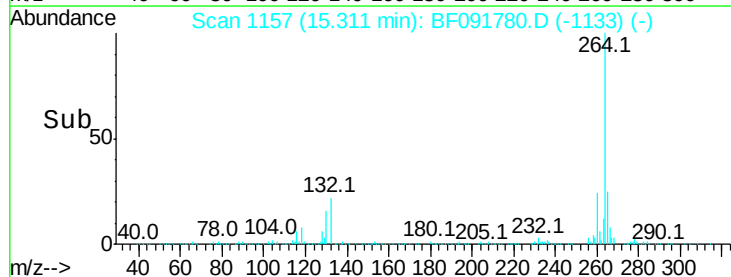
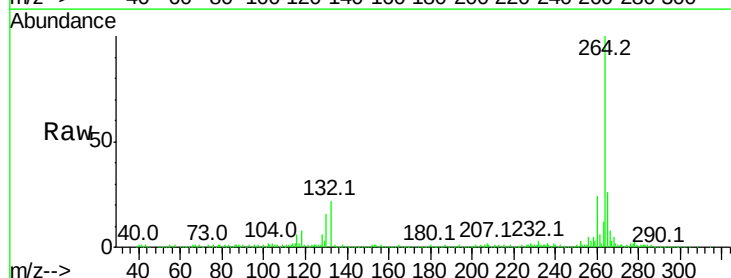
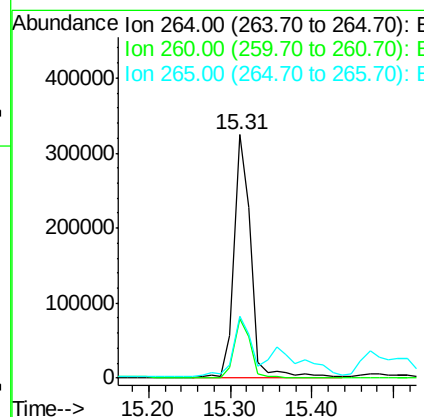
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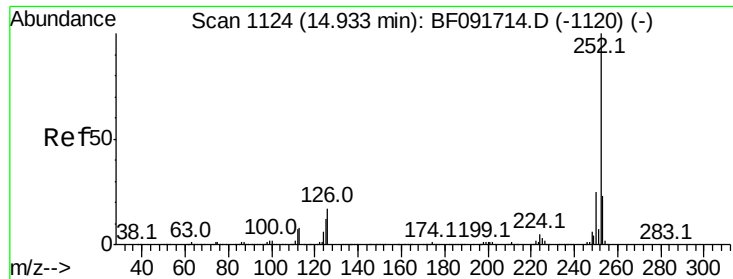
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	25.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 83.19 ng m

RT: 14.92 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF091780.D

Acq: 19 Dec 2016 16:32

Instrument :

BNA_F

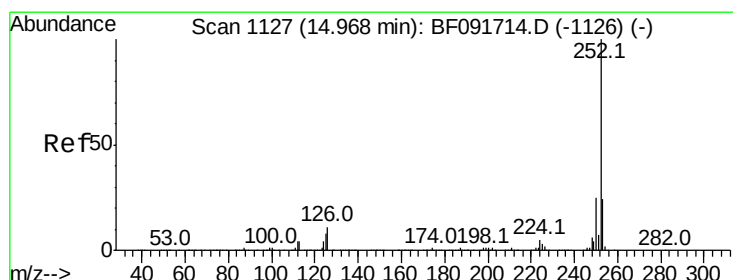
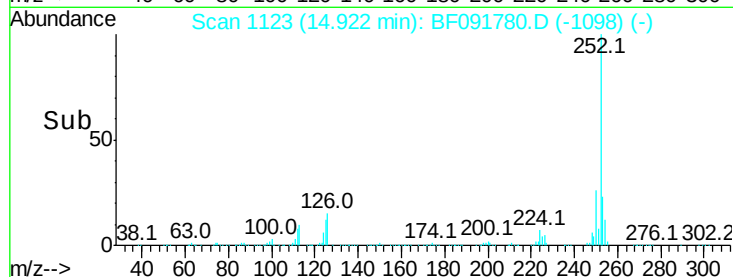
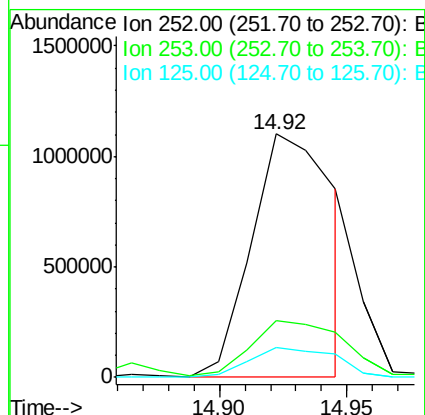
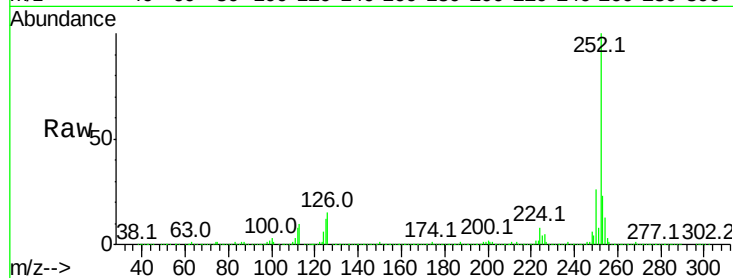
ClientSampled :

WC-1-0-5DL

Tot Ion:	252	Resp:	2449409
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	12.4	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 12.92 ng m

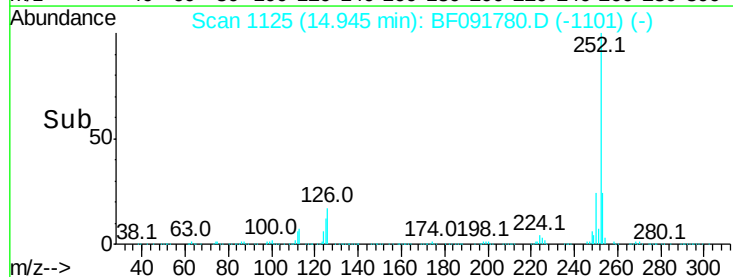
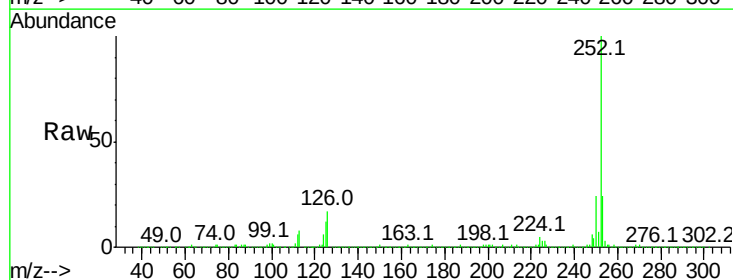
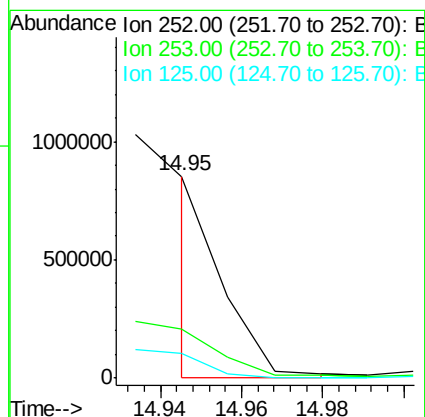
RT: 14.95 min Scan# 1125

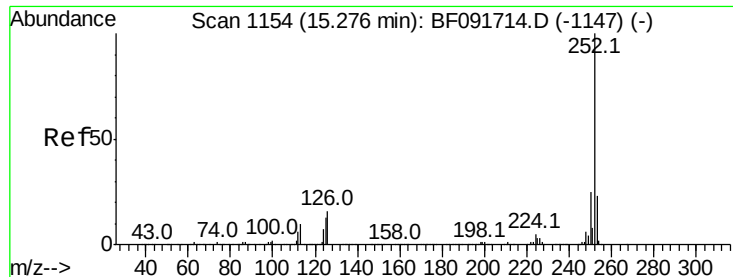
Delta R.T. -0.02 min

Lab File: BF091780.D

Acq: 19 Dec 2016 16:32

Tgt Ion:	252	Resp:	266818
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	12.4	8.9	13.3





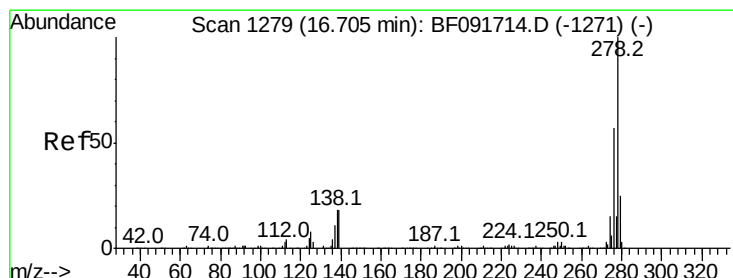
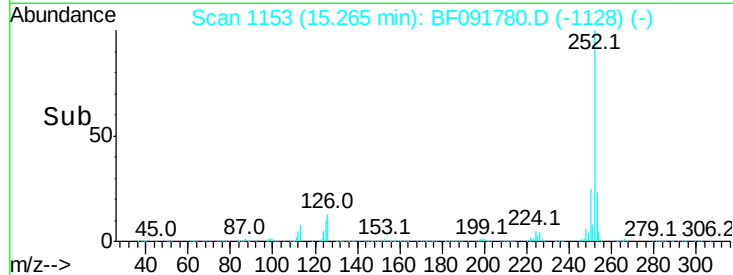
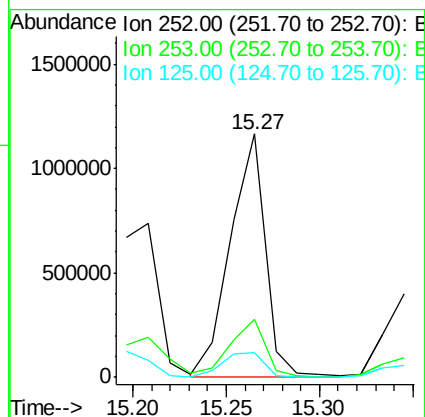
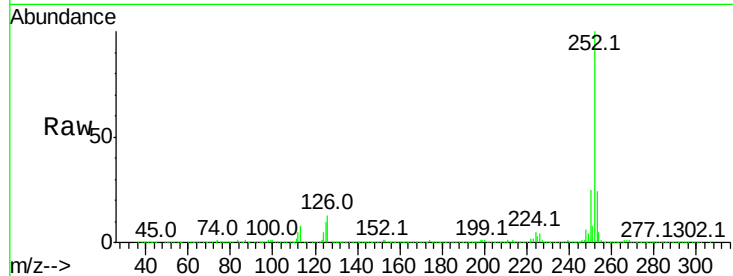
#89
Benzo(a)pyrene
Concen: 60.51 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	10.3	10.0	15.0

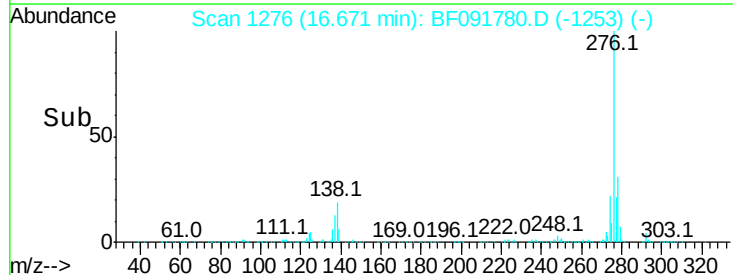
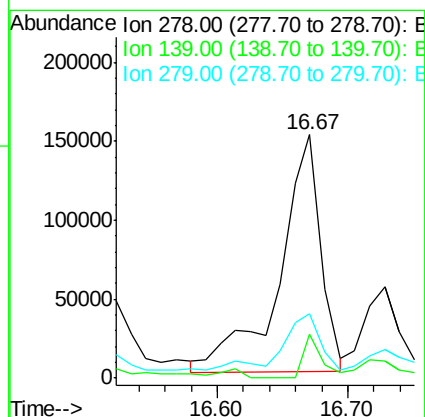
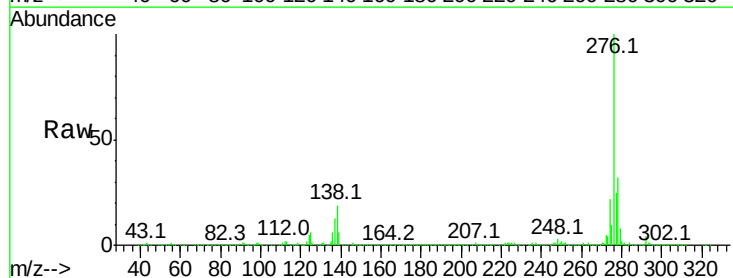
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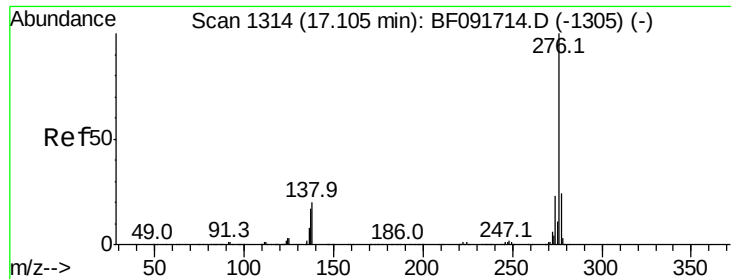
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#90
Dibenzo(a,h)anthracene
Concen: 15.13 ng
RT: 16.67 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF091780.D
Acq: 19 Dec 2016 16:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.8	22.2
279	26.4	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 47.41 ng
 RT: 17.07 min Scan# 1311
 Delta R.T. -0.03 min
 Lab File: BF091780.D
 Acq: 19 Dec 2016 16:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	23.0	16.0	24.0

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