

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091410.D
 Acq On : 3 Dec 2016 00:57
 Operator : UM/SJ
 Sample : H5825-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S120116SF-S-2

Manual Integrations
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Quant Time: Dec 03 02:56:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	222416	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	927672	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	452401	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	695394	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	579935	20.00	ng	-0.02
86) Perylene-d12	15.45	264	494955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1381423	101.46	ng	0.00
7) Phenol-d6	6.49	99	1703164	101.62	ng	0.00
23) Nitrobenzene-d5	7.43	82	1204784	72.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	375465	87.67	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1477469	59.13	ng	-0.02
78) Terphenyl-d14	12.97	244	1262681	47.32	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.50	94	95244	4.83	ng	# 76
31) Naphthalene	8.16	128	102707m	2.33	ng	
37) 2-Methylnaphthalene	8.86	142	89269	2.98	ng	95
49) Dimethylphthalate	9.61	163	277515	10.13	ng	# 96
51) Acenaphthene	9.93	154	142248	5.53	ng	99
54) Dibenzofuran	10.10	168	120852	3.51	ng	# 91
57) Fluorene	10.45	166	163755	6.19	ng	100
70) Phenanthrene	11.41	178	1254648	34.72	ng	99
71) Anthracene	11.46	178	320676	8.94	ng	99
72) Carbazole	11.61	167	142669	4.38	ng	96
74) Fluoranthene	12.60	202	1383866	40.43	ng	98
77) Pyrene	12.82	202	1229925	27.95	ng	98
80) Benzo(a)anthracene	14.01	228	647958	19.11	ng	100
82) Chrysene	14.05	228	515408m	15.36	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	196577	6.40	ng	# 90
87) Benzo(b)fluoranthene	15.04	252	599093m	19.47	ng	
88) Benzo(k)fluoranthene	15.07	252	192689m	7.45	ng	
89) Benzo(a)pyrene	15.39	252	397005	14.37	ng	98
91) Benzo(g,h,i)perylene	17.26	276	173702	6.59	ng	99

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

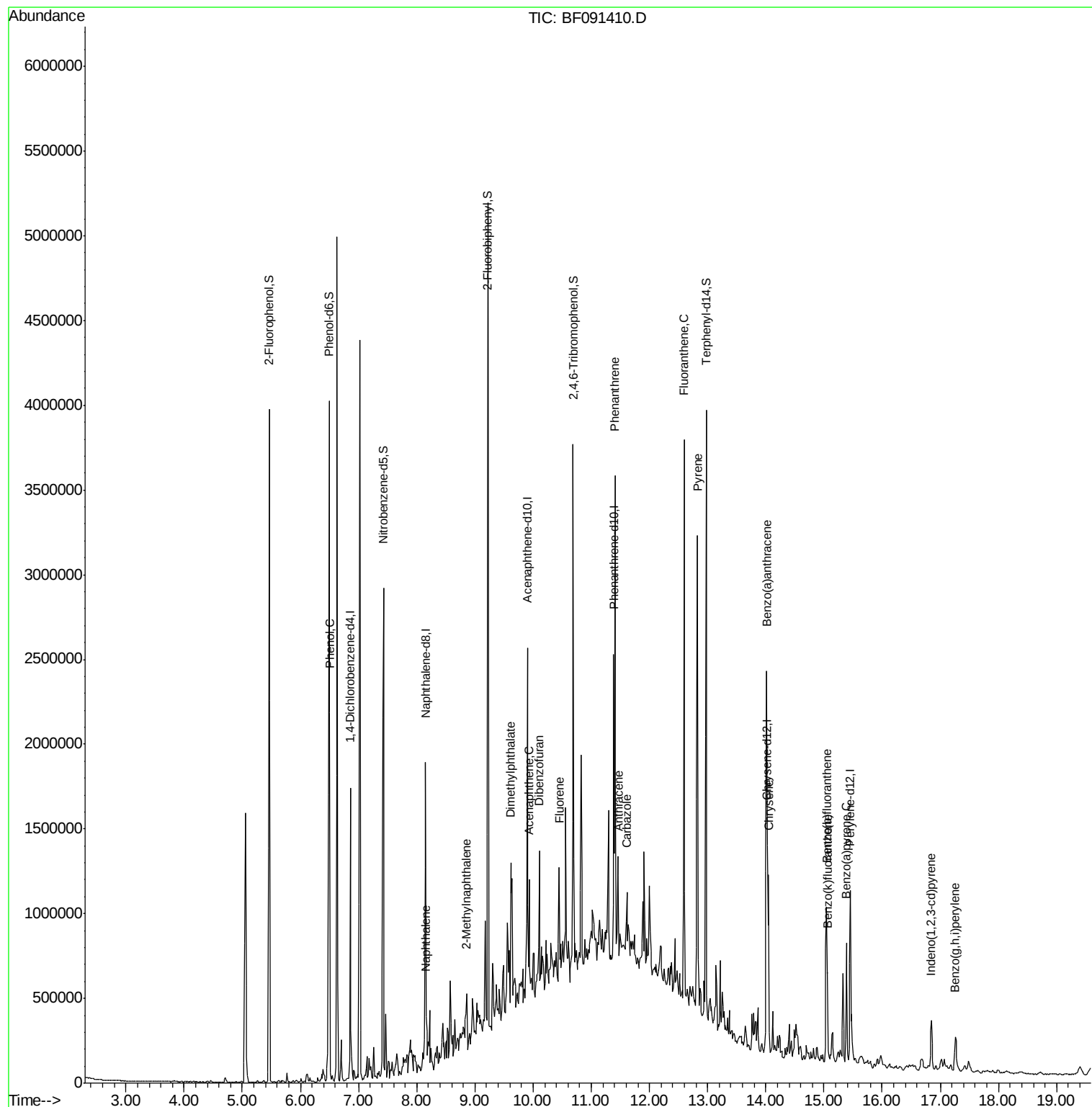
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
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ALS Vial : 25 Sample Multiplier: 1

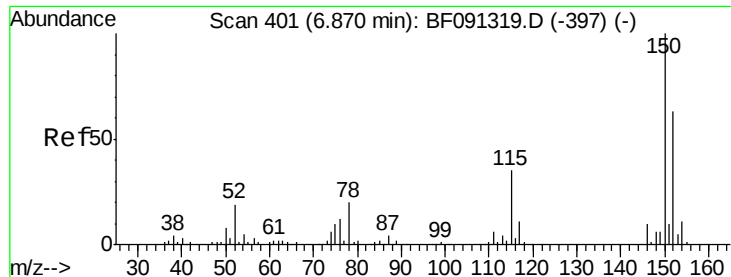
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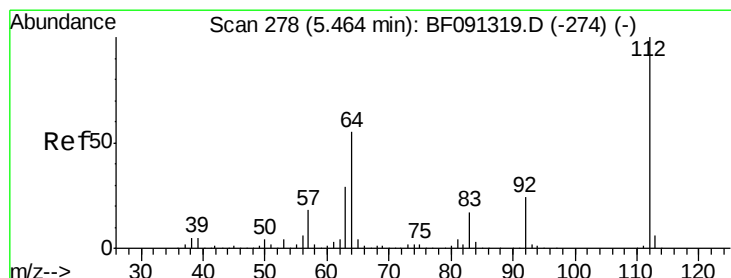
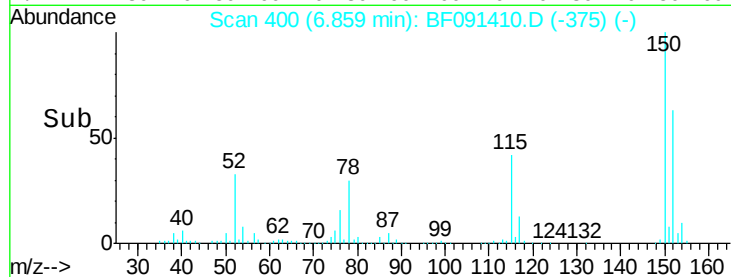
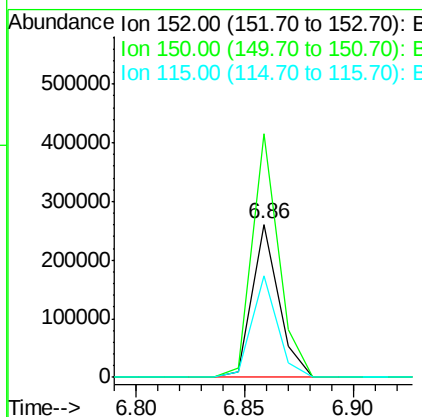
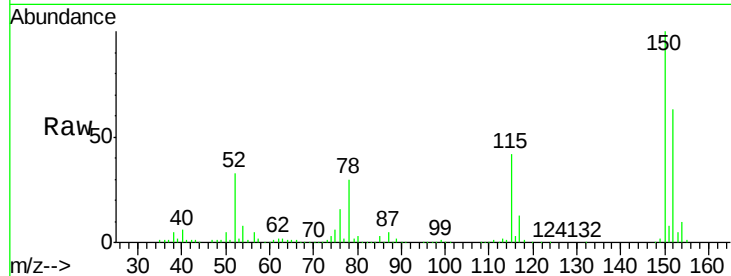
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091410.D
 Acq: 3 Dec 2016 00:57

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	222416		
150	158.8	122.5	183.7	
115	66.0	51.8	77.8	

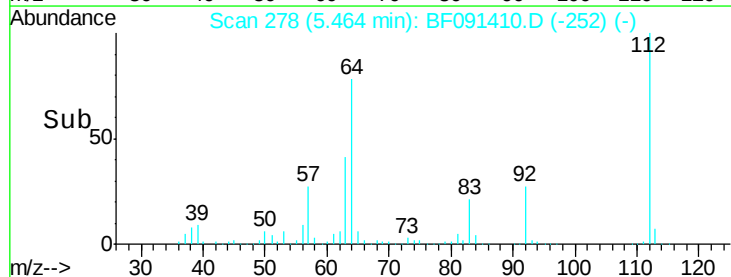
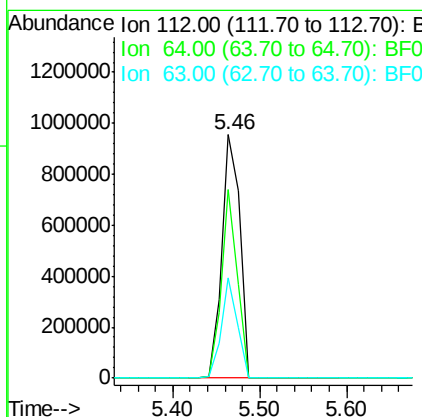
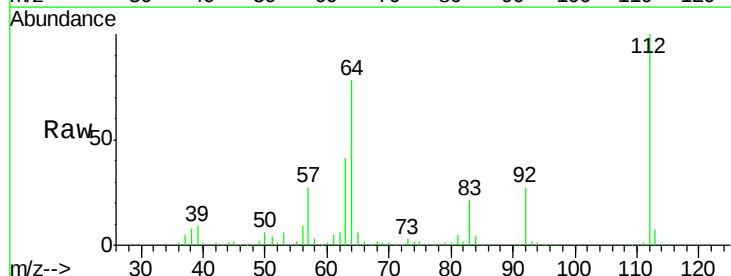
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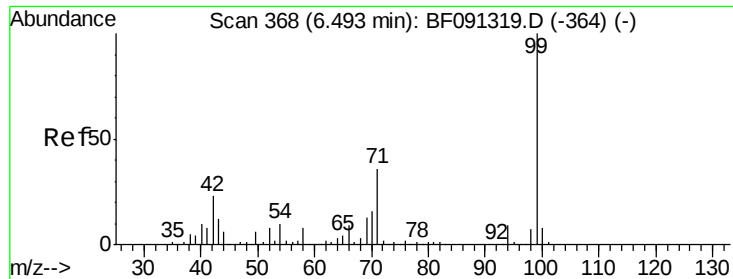
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#5
 2-Fluorophenol
 Concen: 101.46 ng
 RT: 5.46 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: BF091410.D
 Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1381423		
64	77.5	61.5	92.3	
63	41.4	33.3	49.9	





#7

Phenol-d6

Concen: 101.62 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

ClientSampleId :

S120116SF-S-2

Tgt Ion: 99 Resp: 1703164

Ion Ratio Lower Upper

99 100

42 25.3 20.6 31.0

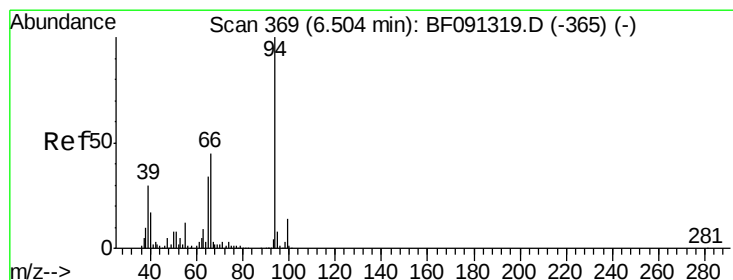
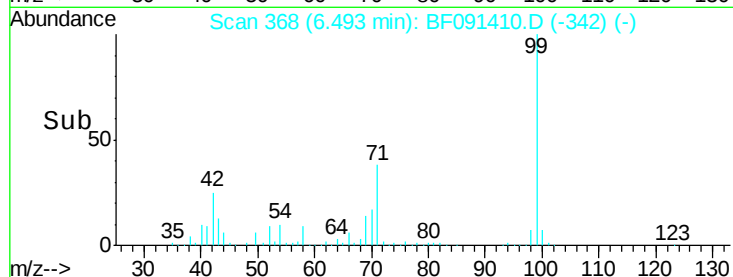
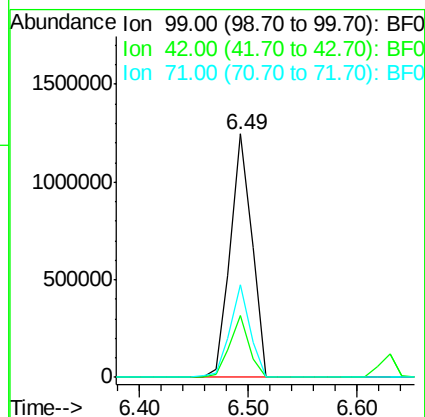
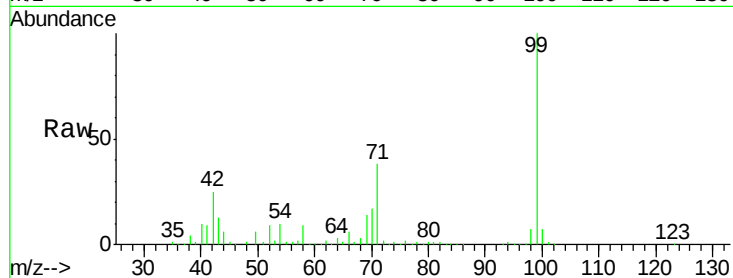
71 38.1 29.9 44.9

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#10

Phenol

Concen: 4.83 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

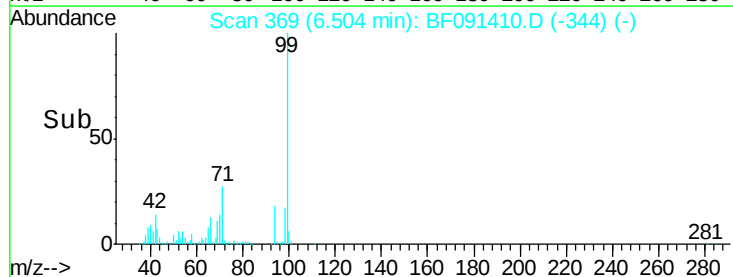
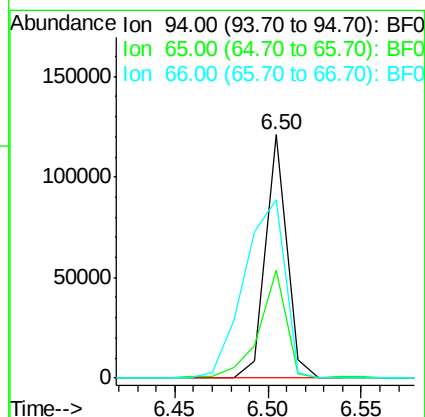
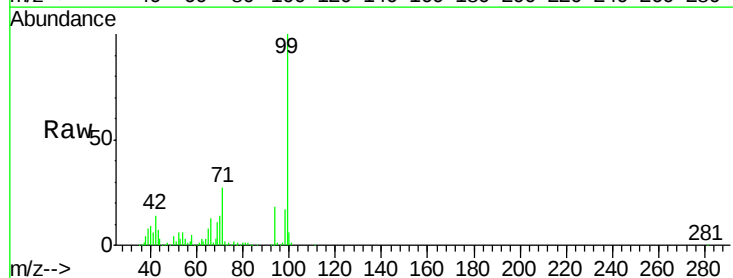
Tgt Ion: 94 Resp: 95244

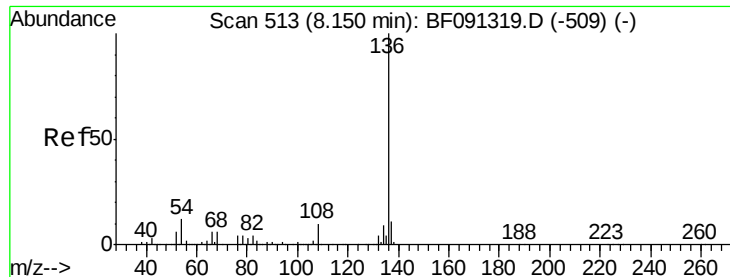
Ion Ratio Lower Upper

94 100

65 44.1 16.9 56.9

66 73.2 30.6 70.6#





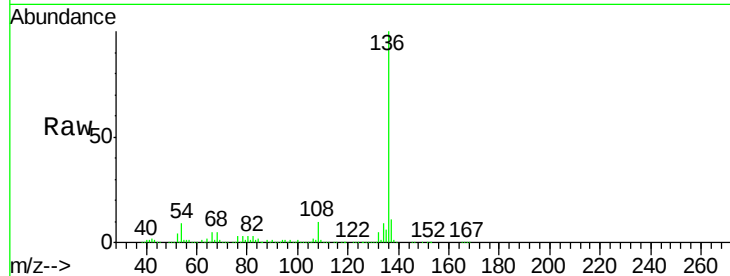
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Instrument :
BNA_F
ClientSampleId :
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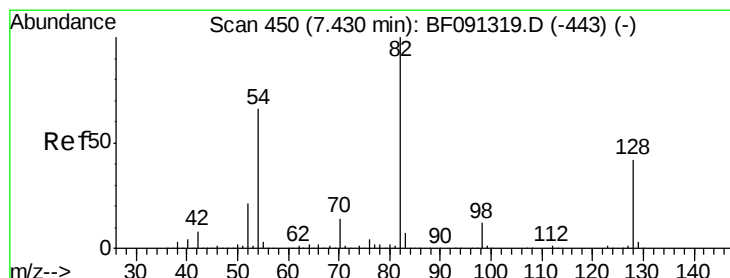
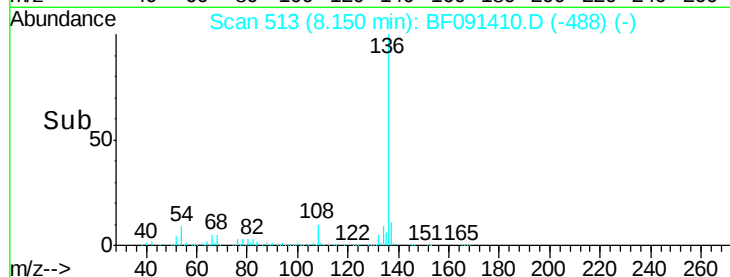
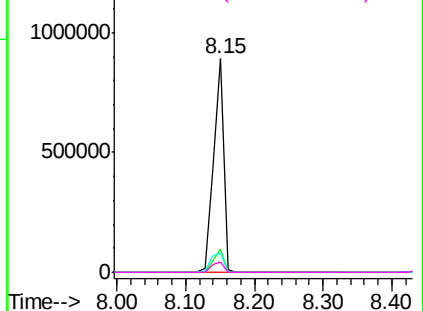
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	927672		
137	11.1	9.1	13.7	
54	8.8	9.1	13.7	
68	4.6	5.9	8.9	

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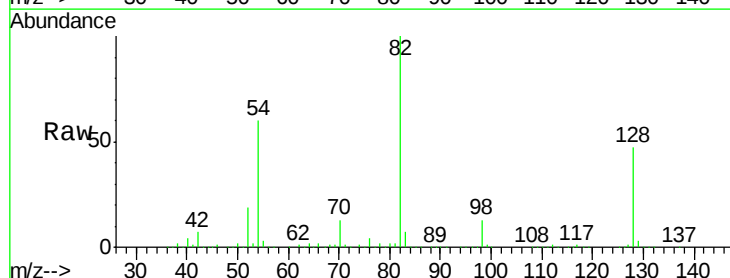


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

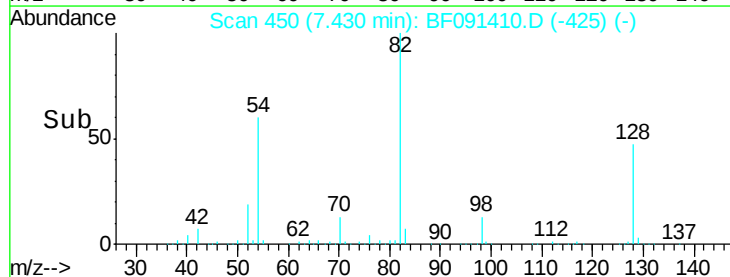
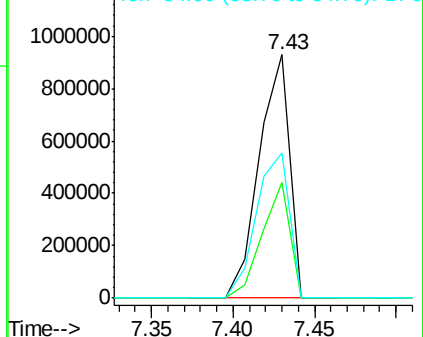


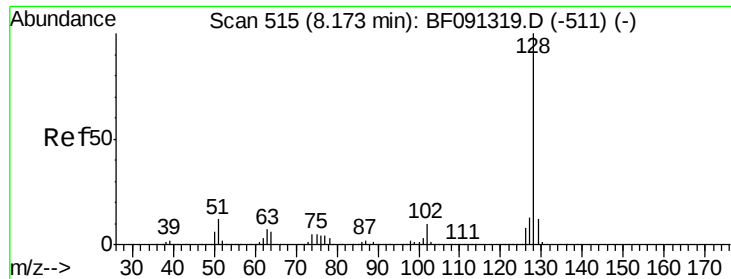
#23
Nitrobenzene-d5
Concen: 72.78 ng
RT: 7.43 min Scan# 450
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1204784		
128	47.4	31.8	47.6	
54	59.7	49.1	73.7	



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





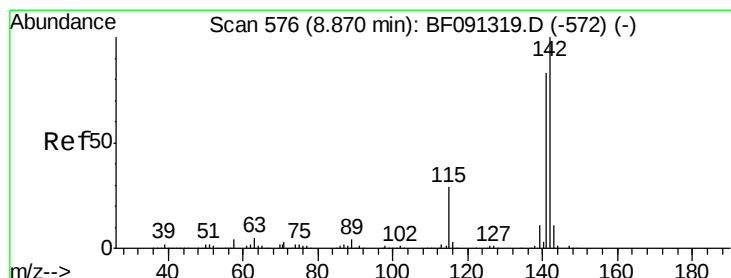
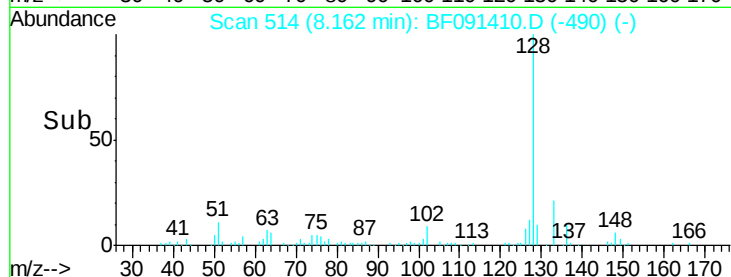
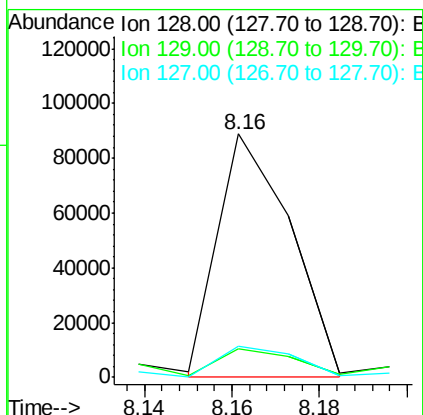
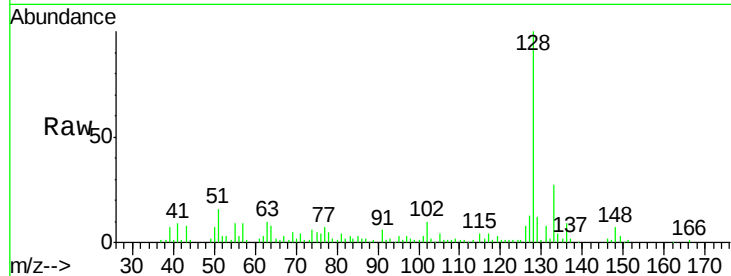
#31
Naphthalene
Concen: 2.33 ng m
RT: 8.16 min Scan# 514
Delta R.T. -0.03 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	102707		
129	12.0	9.1	13.7	
127	12.8	11.0	16.4	

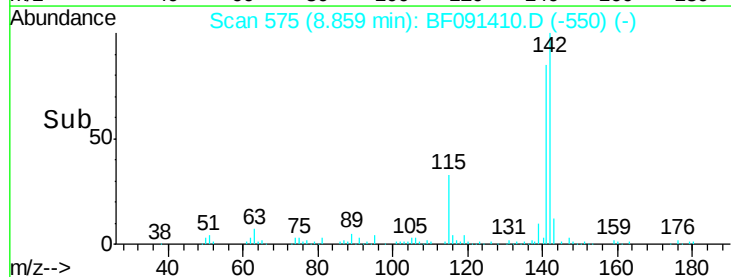
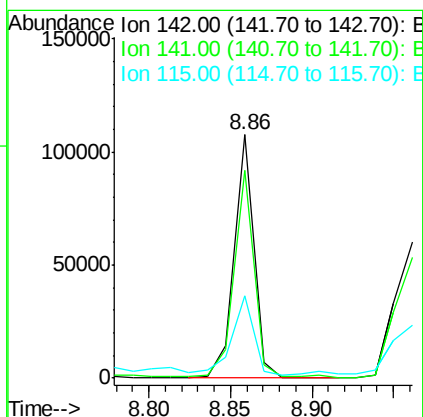
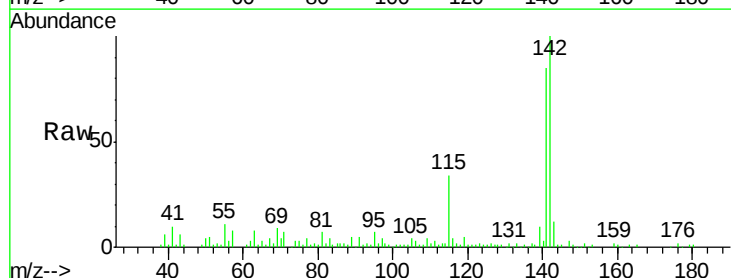
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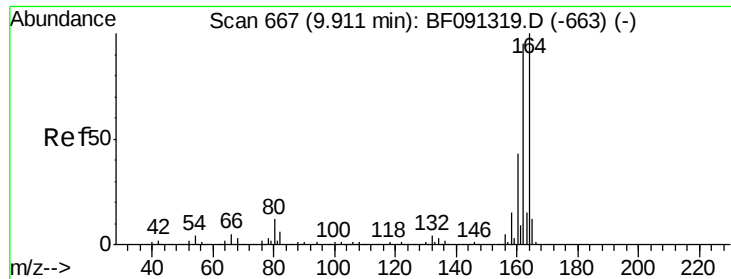
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#37
2-Methylnaphthalene
Concen: 2.98 ng
RT: 8.86 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	89269		
141	85.2	71.7	107.5	
115	33.6	25.0	37.6	





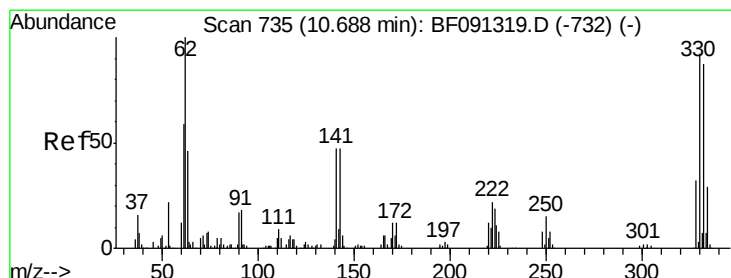
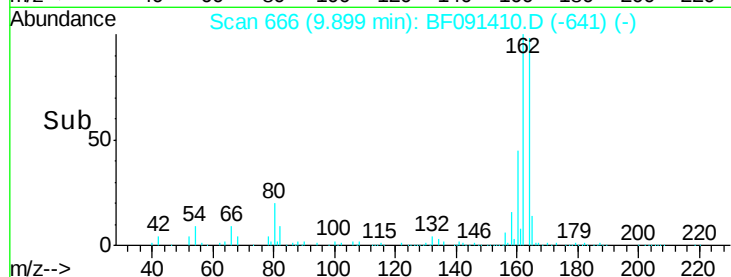
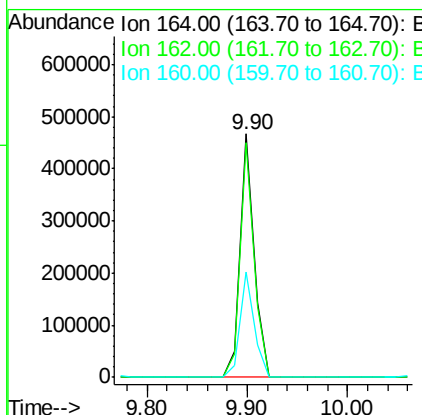
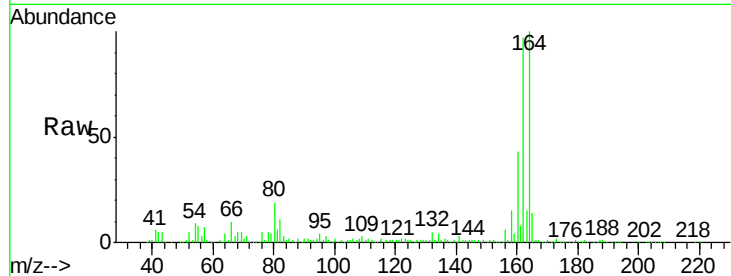
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

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BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	452401		
162	96.6	82.6	124.0	
160	43.3	36.7	55.1	

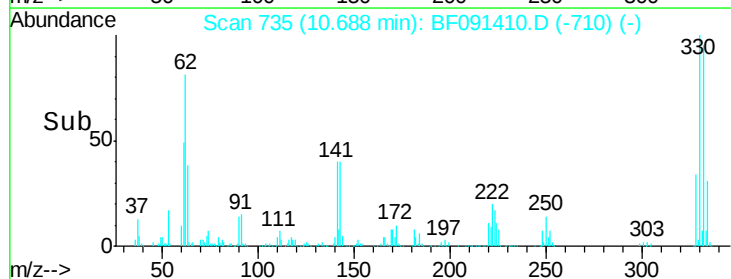
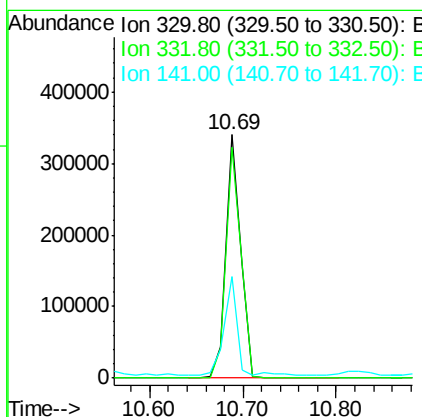
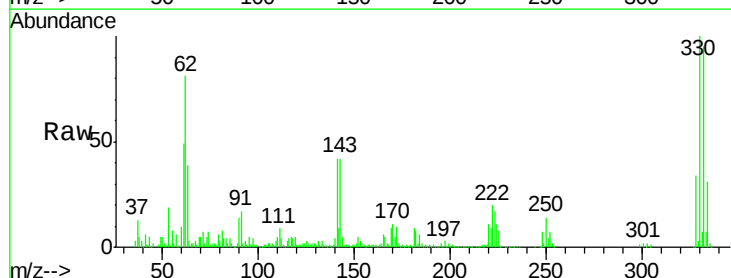
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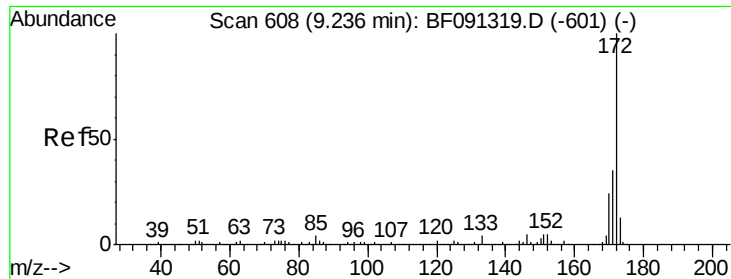
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#41
2,4,6-Tribromophenol
Concen: 87.67 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	375465		
332	96.7	76.2	114.4	
141	35.6	33.6	50.4	





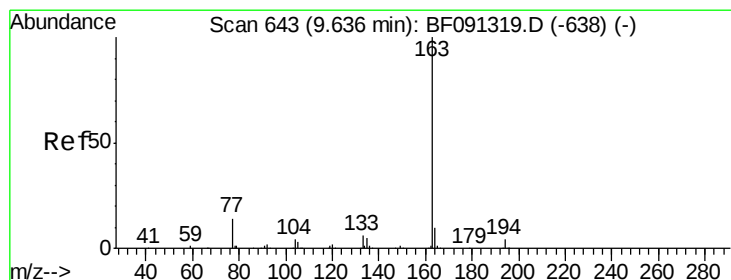
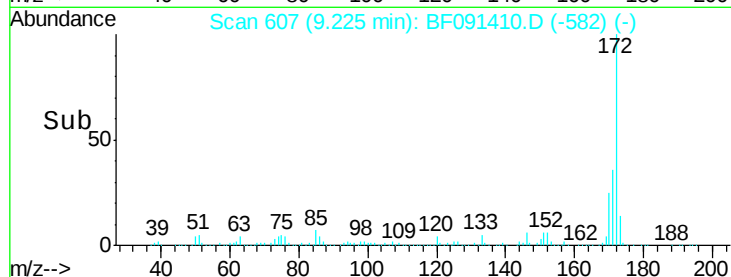
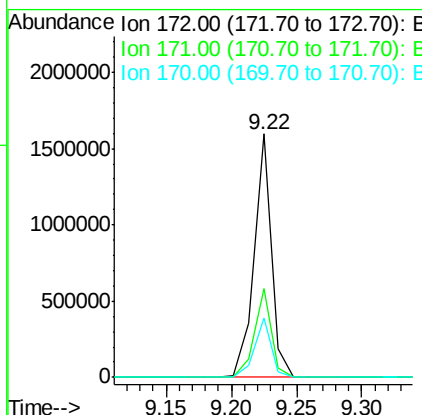
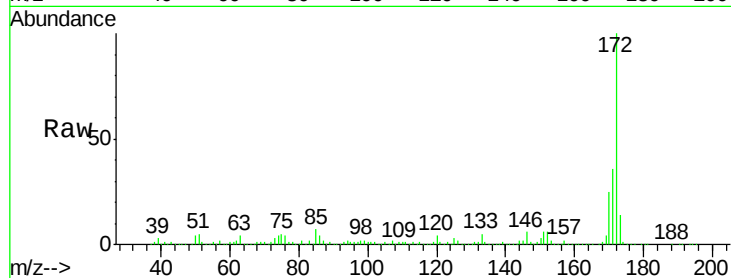
#44
2-Fluorobiphenyl
Concen: 59.13 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

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ClientSampleId :
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Tgt Ion:172 Resp: 1477469
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.6 19.7 29.5

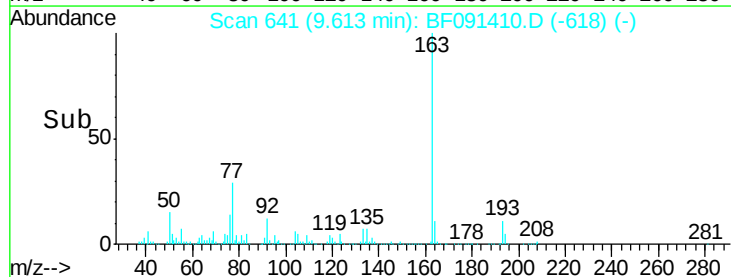
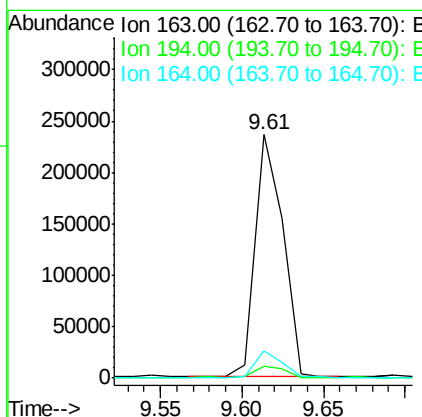
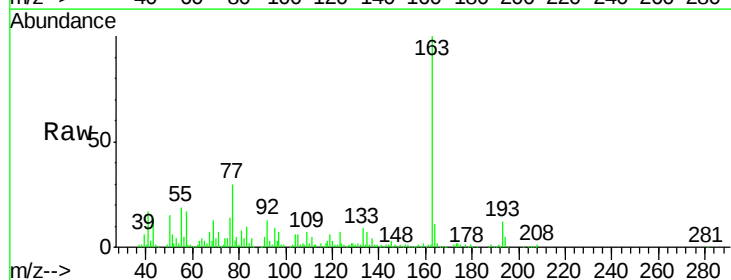
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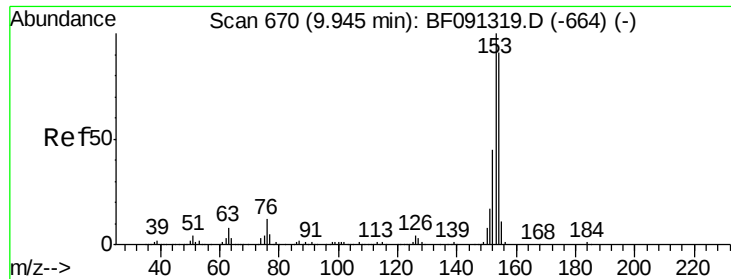
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#49
Dimethylphthalate
Concen: 10.13 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.04 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Tgt Ion:163 Resp: 277515
Ion Ratio Lower Upper
163 100
194 5.0 3.0 4.4#
164 11.3 7.8 11.8





#51

Acenaphthene

Concen: 5.53 ng

RT: 9.93 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF091410.D

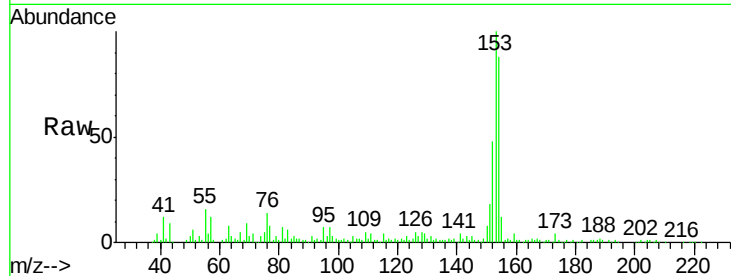
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Instrument :

BNA_F

ClientSampleId :

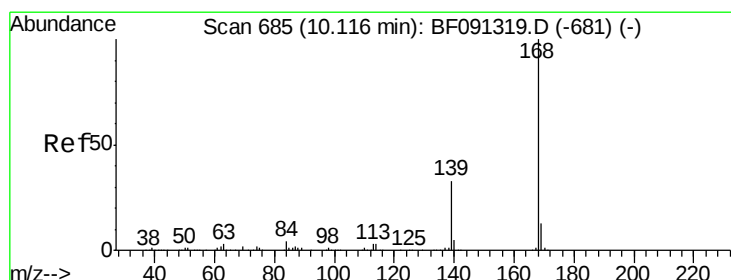
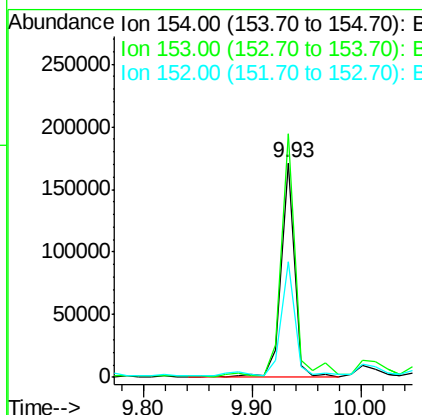
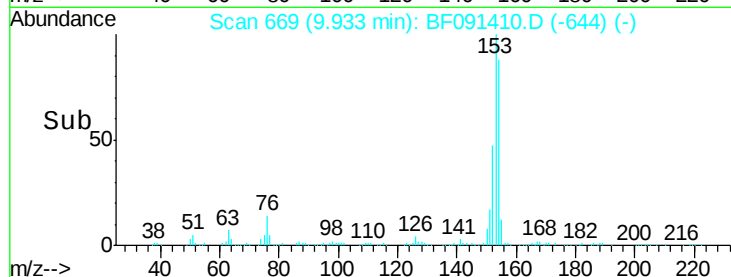
S120116SF-S-2



Tgt Ion:	154	Resp:	142248
Ion Ratio	Lower	Upper	
154	100		
153	113.6	91.0	136.6
152	54.2	44.2	66.2

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#54

Dibenzofuran

Concen: 3.51 ng

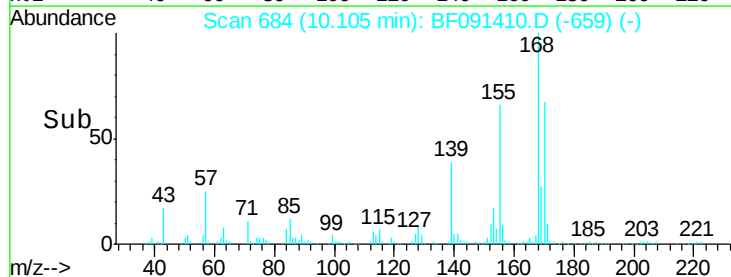
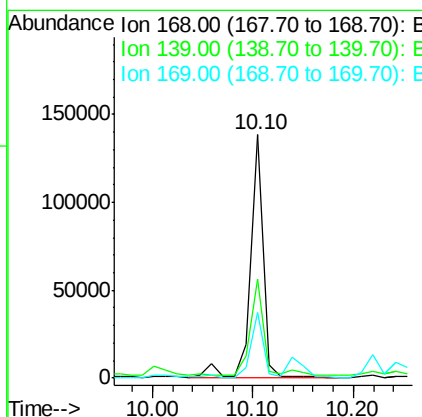
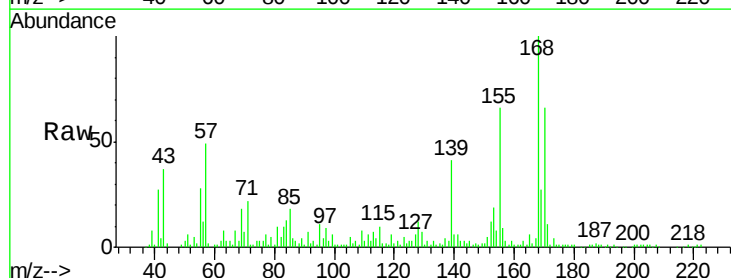
RT: 10.10 min Scan# 684

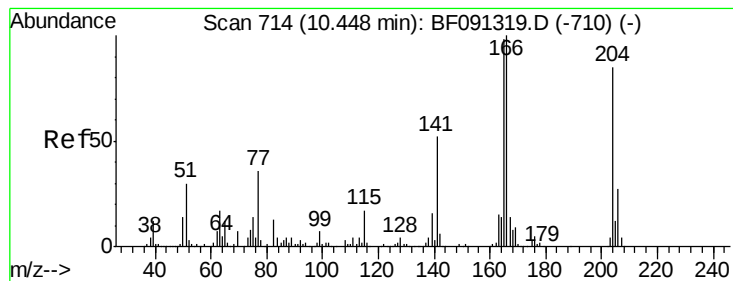
Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Tgt Ion:	168	Resp:	120852
Ion Ratio	Lower	Upper	
168	100		
139	40.7	33.4	50.2
169	27.1	11.1	16.7#





#57

Fluorene

Concen: 6.19 ng

RT: 10.45 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

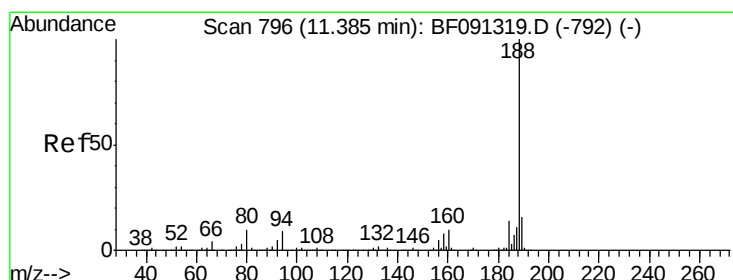
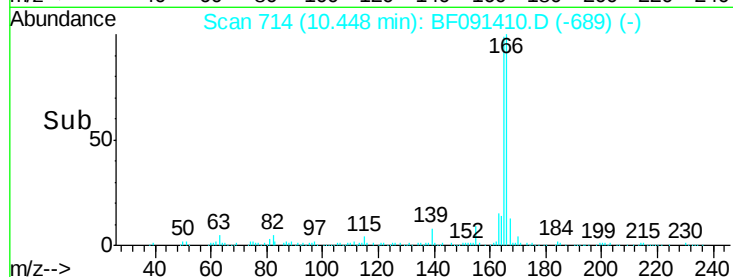
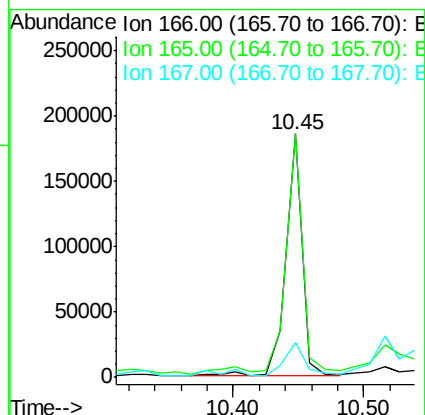
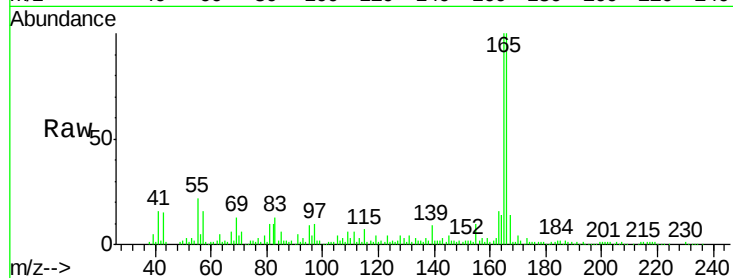
ClientSampleId :

S120116SF-S-2

Tgt Ion:	166	Resp:	163755
Ion Ratio	Lower	Upper	
166	100		
165	99.8	80.0	120.0
167	14.3	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

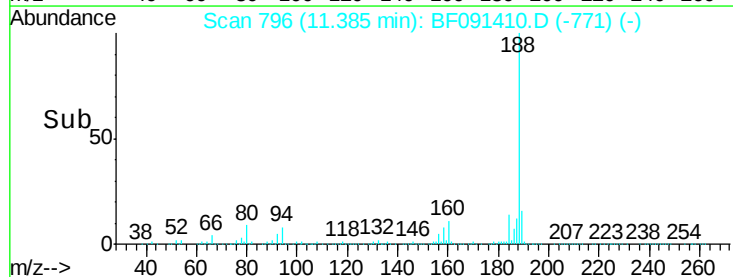
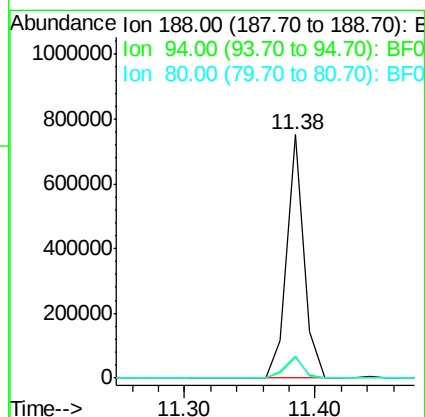
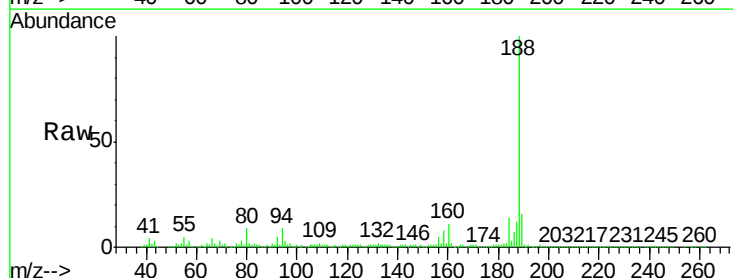
RT: 11.38 min Scan# 796

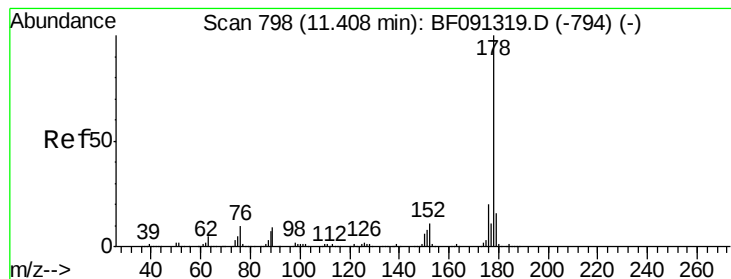
Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Tgt Ion:	188	Resp:	695394
Ion Ratio	Lower	Upper	
188	100		
94	8.7	9.2	13.8#
80	9.0	10.5	15.7#





#70

Phenanthrene

Concen: 34.72 ng

RT: 11.41 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

ClientSampleId :

S120116SF-S-2

Tgt Ion:178 Resp: 1254648

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

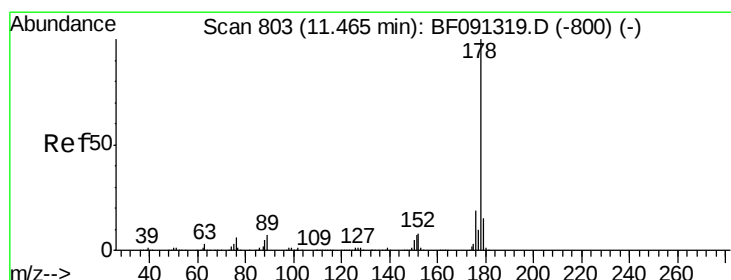
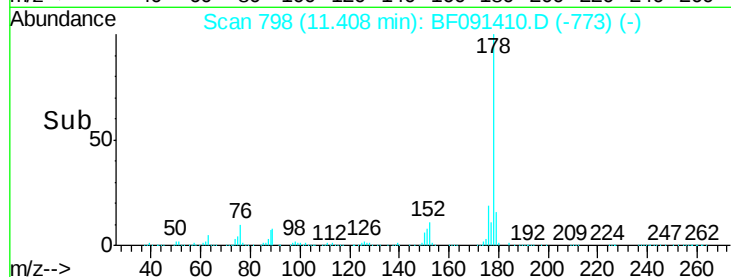
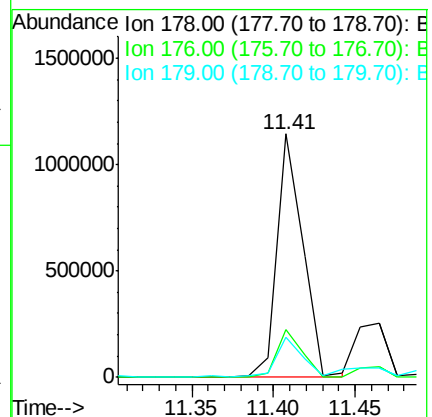
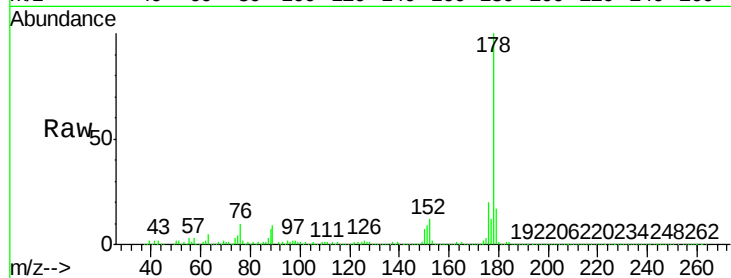
179 16.7 12.6 18.8

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#71

Anthracene

Concen: 8.94 ng

RT: 11.46 min Scan# 803

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

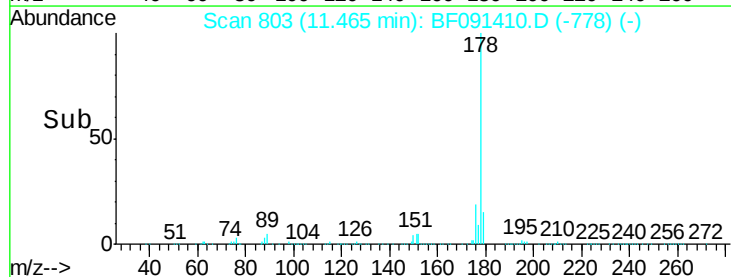
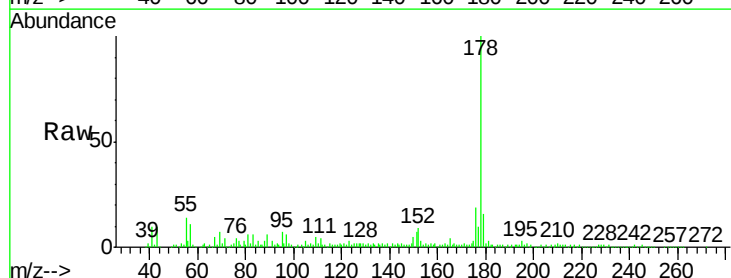
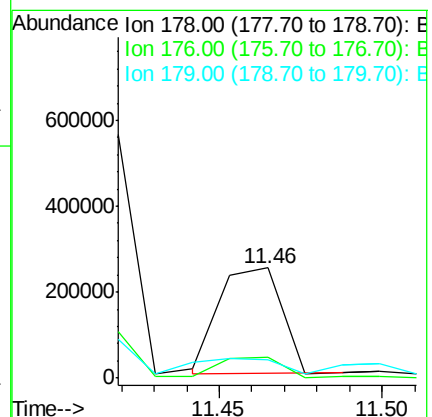
Tgt Ion:178 Resp: 320676

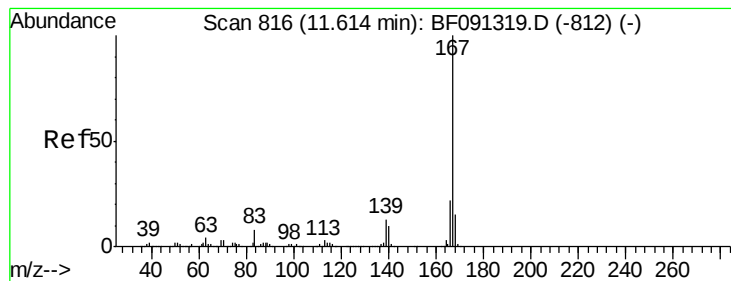
Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 16.2 12.7 19.1





#72

Carbazole

Concen: 4.38 ng

RT: 11.61 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

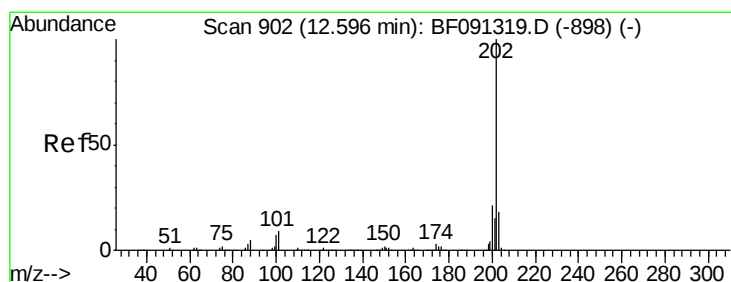
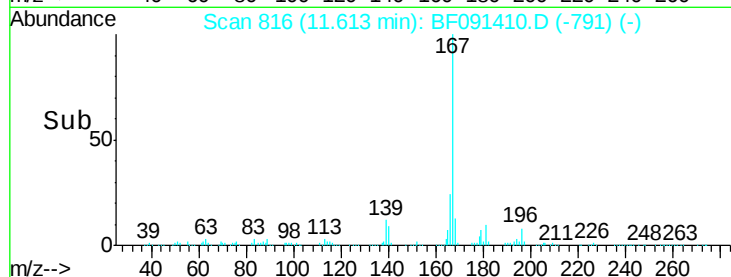
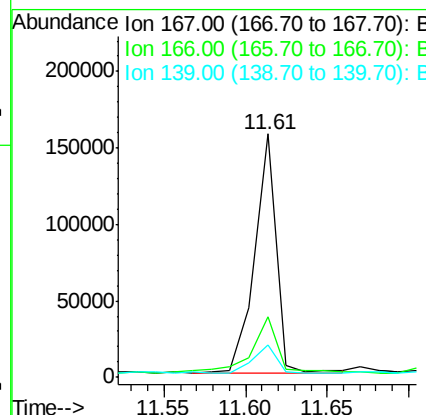
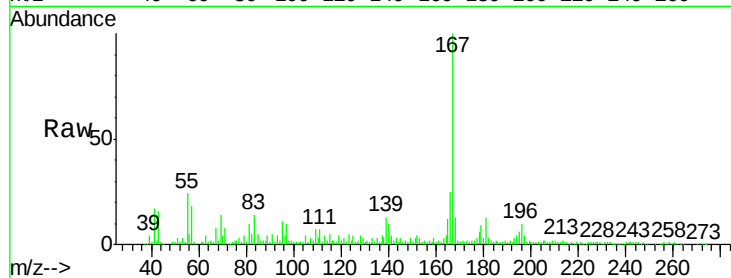
ClientSampleId :

S120116SF-S-2

Tgt Ion:	167	Resp:	142669
Ion Ratio		Lower	Upper
167	100		
166	25.0	18.1	27.1
139	13.3	11.5	17.3

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#74

Fluoranthene

Concen: 40.43 ng

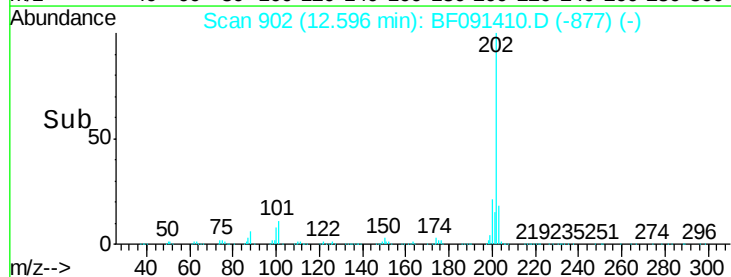
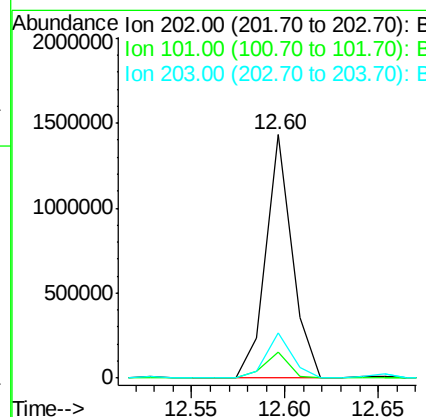
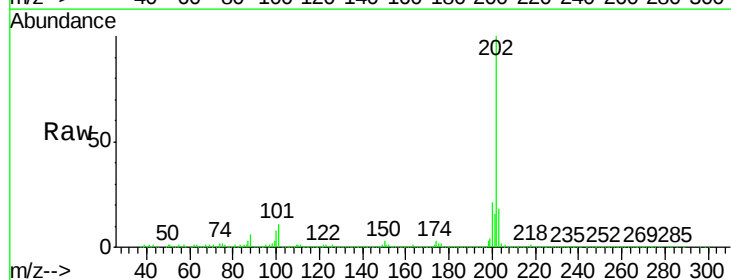
RT: 12.60 min Scan# 902

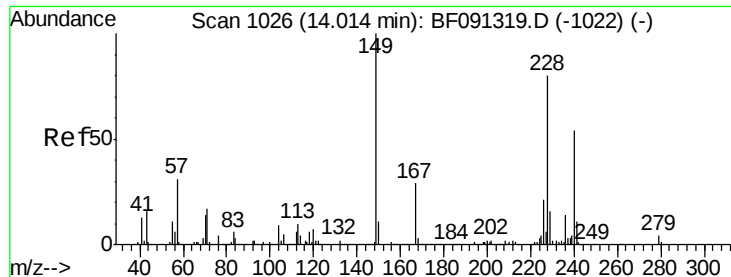
Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Tgt Ion:	202	Resp:	1383866
Ion Ratio		Lower	Upper
202	100		
101	10.9	0.0	29.5
203	18.3	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

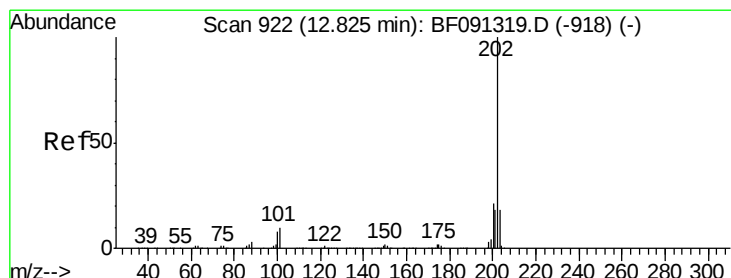
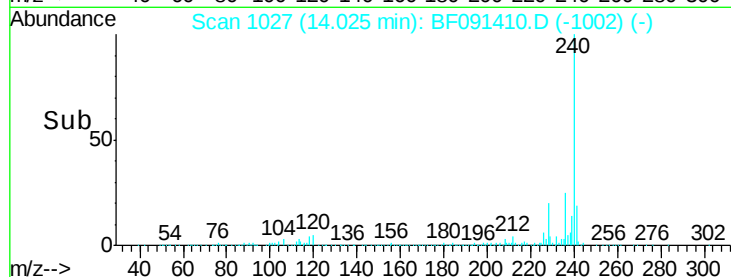
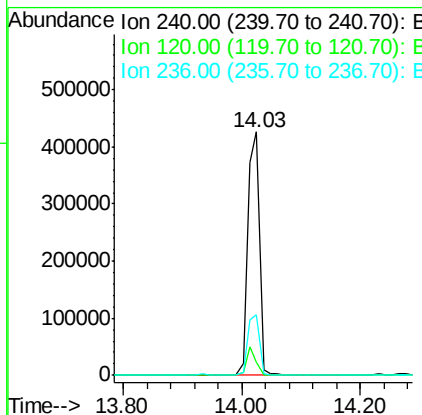
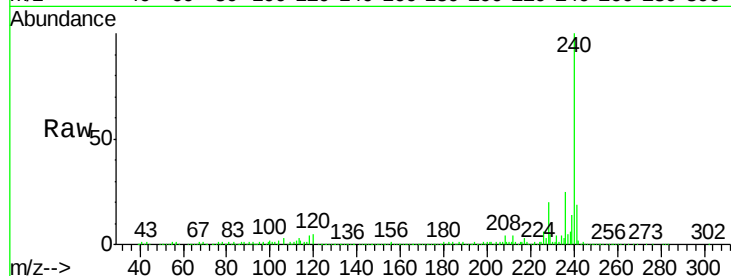
ClientSampleId :

S120116SF-S-2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	579935		
120	5.5	12.1	18.1	#
236	24.8	21.0	31.6	

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#77

Pyrene

Concen: 27.95 ng

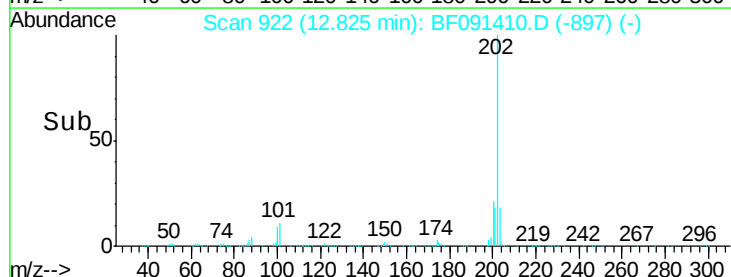
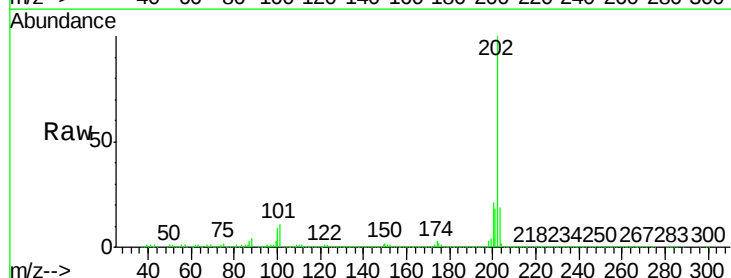
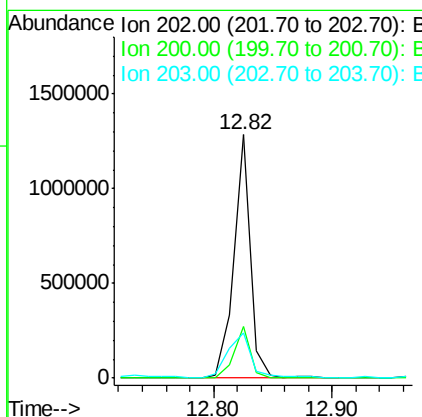
RT: 12.82 min Scan# 922

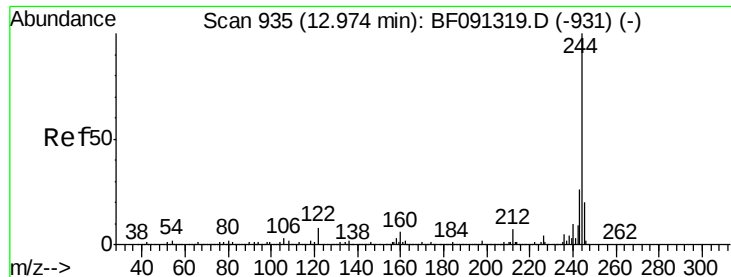
Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1229925		
200	21.2	17.6	26.4	
203	18.6	14.0	21.0	





#78

Terphenyl-d14

Concen: 47.32 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

ClientSampleId :

S120116SF-S-2

Tgt Ion:244 Resp: 1262681

Ion Ratio Lower Upper

244 100

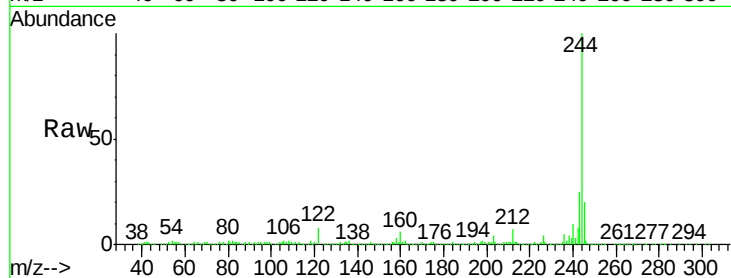
212 7.1 6.5 9.7

122 7.8 9.5 14.3#

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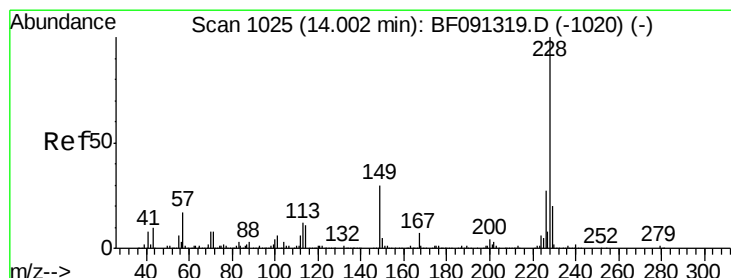
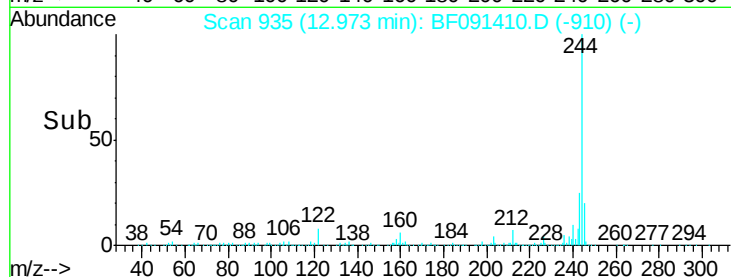
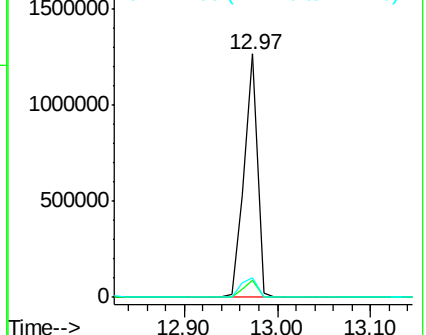
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.11 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

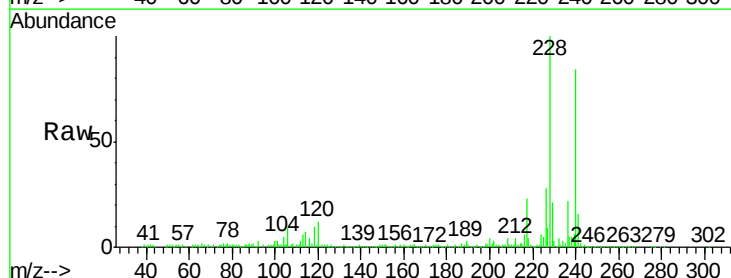
Tgt Ion:228 Resp: 647958

Ion Ratio Lower Upper

228 100

226 28.2 22.5 33.7

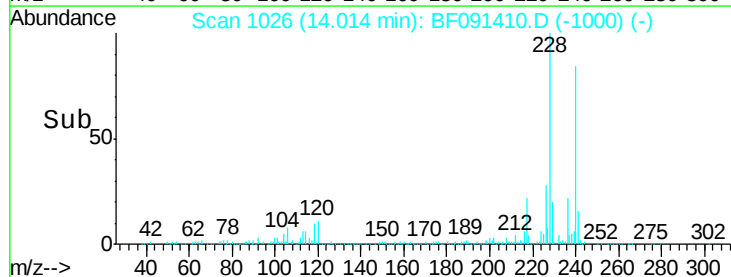
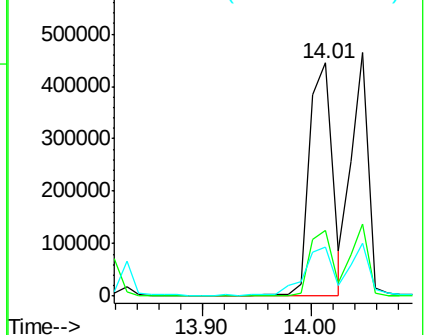
229 20.8 16.4 24.6

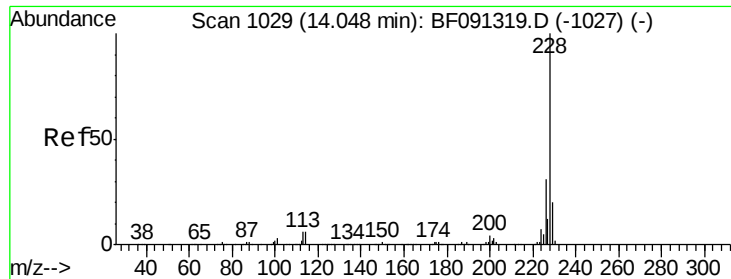


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.36 ng m

RT: 14.05 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

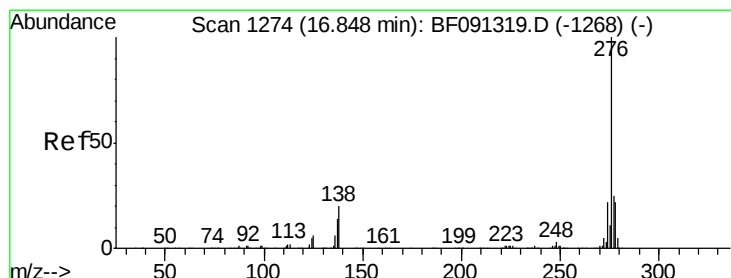
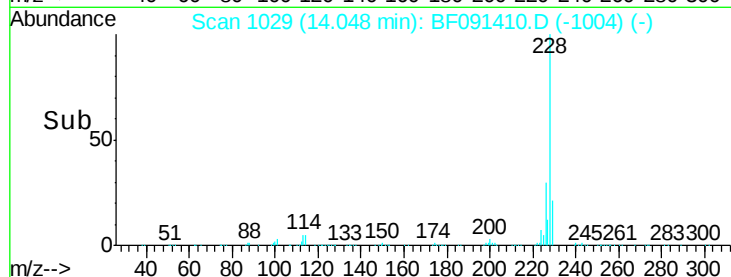
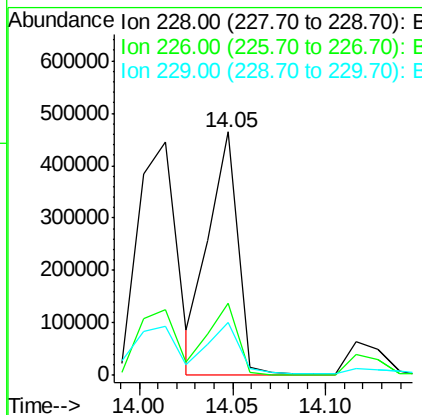
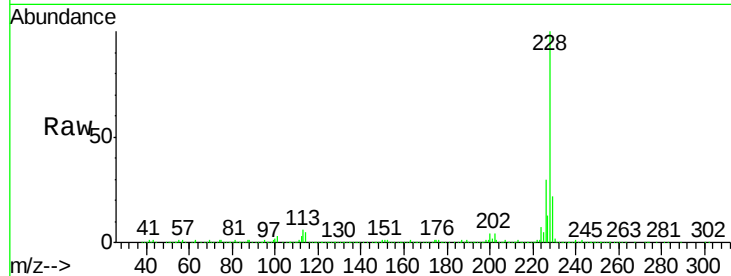
ClientSampleId :

S120116SF-S-2

Tgt Ion:	228	Resp:	515408
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.4
229	21.6	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.40 ng

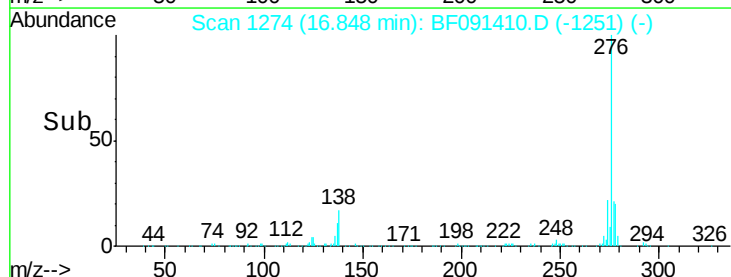
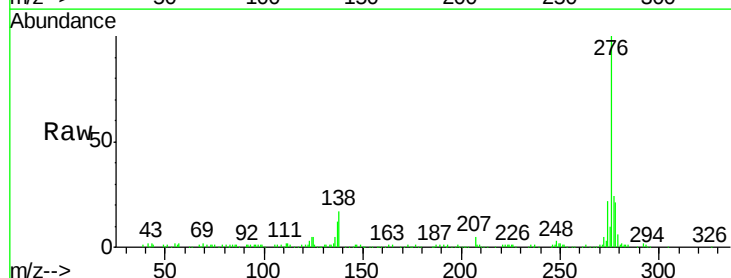
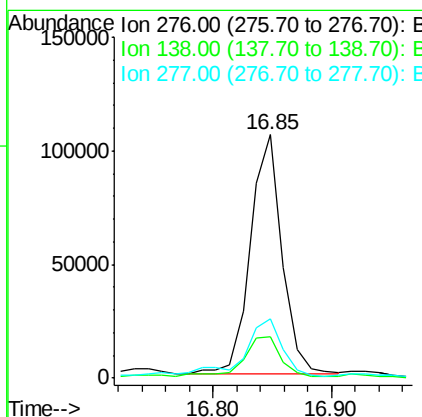
RT: 16.85 min Scan# 1274

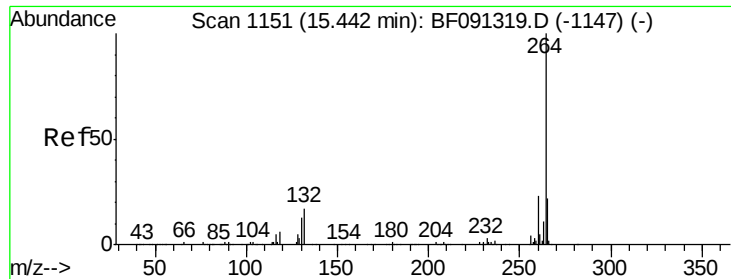
Delta R.T. -0.04 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Tgt Ion:	276	Resp:	196577
Ion Ratio	Lower	Upper	
276	100		
138	21.7	21.0	31.4
277	30.5	20.2	30.2#





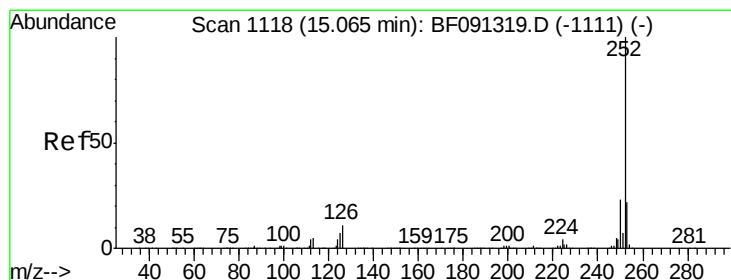
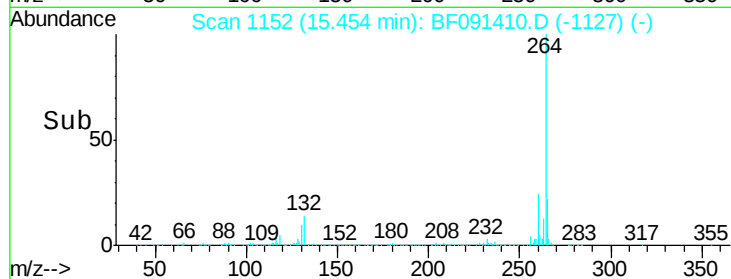
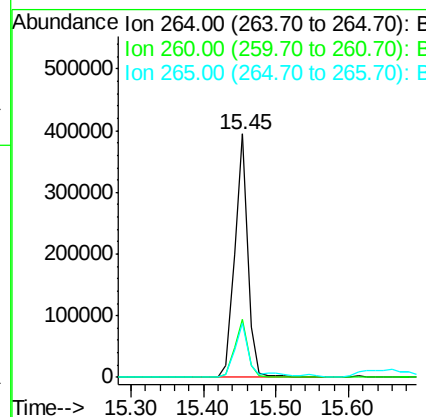
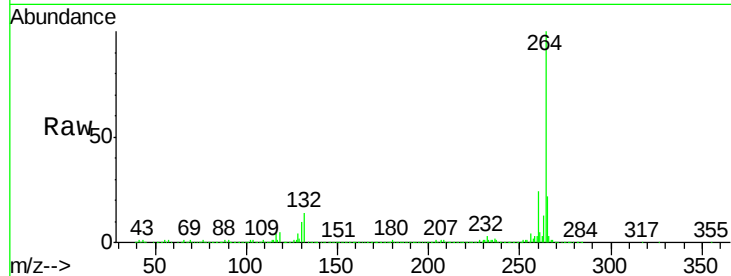
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Instrument :
BNA_F
ClientSampleId :
S120116SF-S-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.4	17.0	25.6

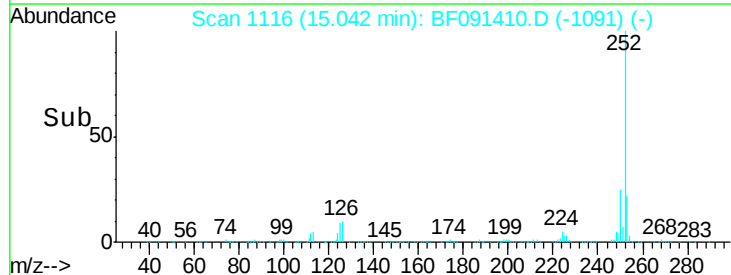
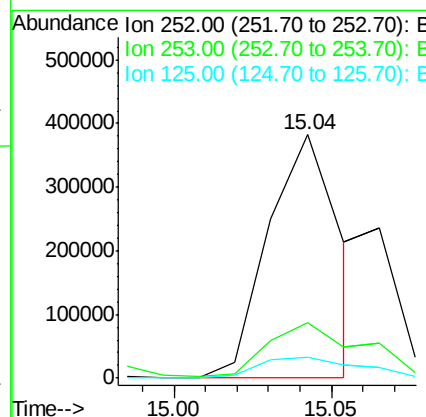
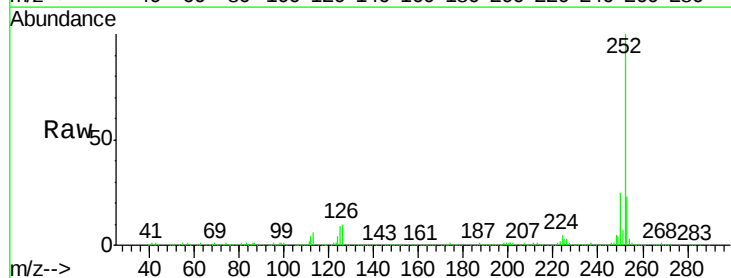
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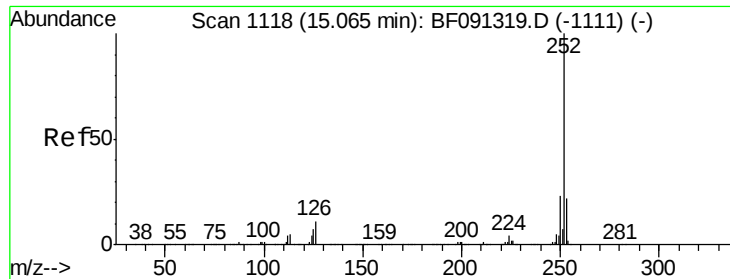
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#87
Benzo(b)fluoranthene
Concen: 19.47 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	8.8	8.6	13.0





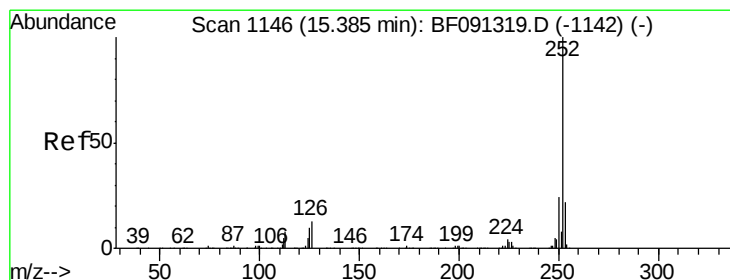
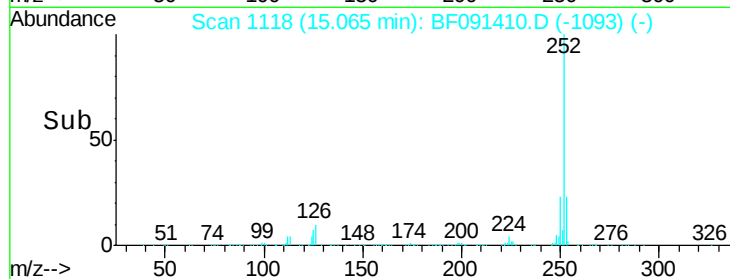
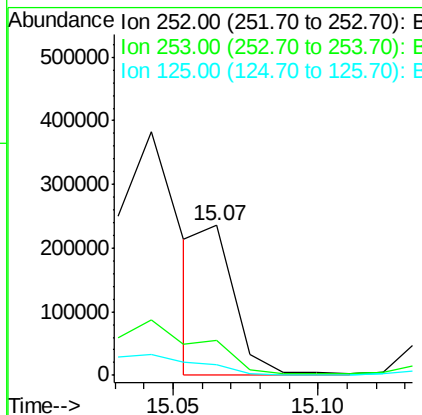
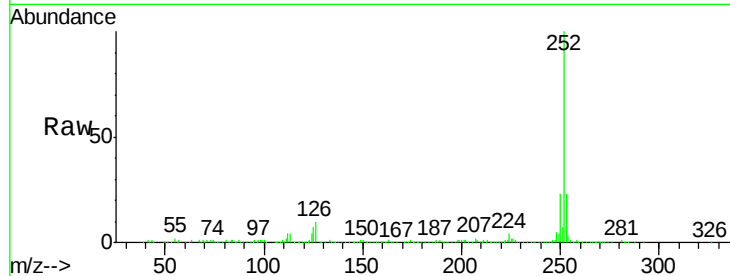
#88
Benzo(k)fluoranthene
Concen: 7.45 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Instrument :
BNA_F
ClientSampleId :
S120116SF-S-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	7.1	9.6	14.4

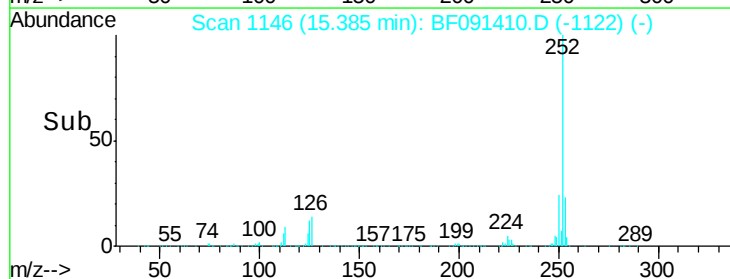
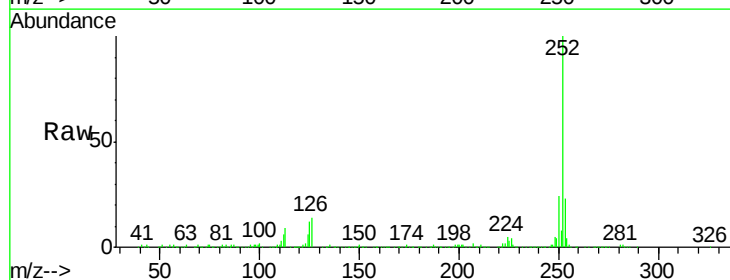
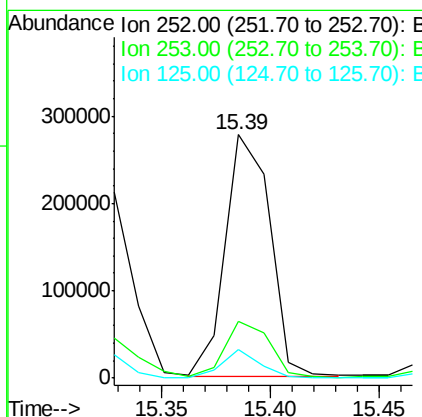
Manual Integrations
APPROVED

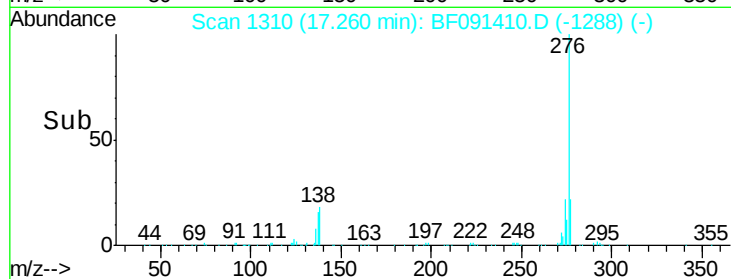
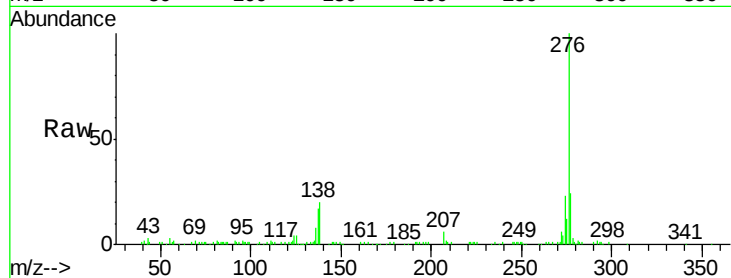
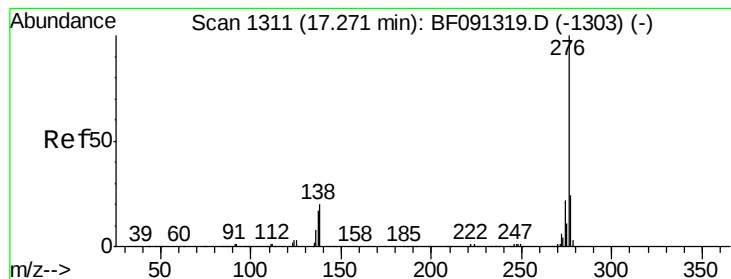
sohil
12/5/2016 11:21:08 AM



#89
Benzo(a)pyrene
Concen: 14.37 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF091410.D
Acq: 3 Dec 2016 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	11.8	10.4	15.6





#91

Benzo(g,h,i)perylene

Concen: 6.59 ng

RT: 17.26 min Scan# 1310

Delta R.T. -0.05 min

Lab File: BF091410.D

Acq: 3 Dec 2016 00:57

Instrument :

BNA_F

ClientSampleId :

S120116SF-S-2

Tgt Ion: 276 Resp: 173702

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 19.9 15.4 23.0

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