

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091408.D
 Acq On : 3 Dec 2016 00:01
 Operator : UM/SJ
 Sample : H5760-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-6

Manual Integrations
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 12/5/2016 11:21:03 AM

Quant Time: Dec 03 02:50:56 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	204057	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	784396	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	433772	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	655309	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	478677	20.00	ng	-0.03
86) Perylene-d12	15.45	264	409568	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1017665	81.47	ng	0.00
7) Phenol-d6	6.49	99	1315123	85.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	700109	50.02	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	300521	73.18	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1399396	58.41	ng	-0.02
78) Terphenyl-d14	12.97	244	1114916	50.62	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.50	94	87562	4.84	ng	80
49) Dimethylphthalate	9.61	163	82385	3.14	ng	99
70) Phenanthrene	11.41	178	522155	15.33	ng	98
71) Anthracene	11.45	178	223504	6.61	ng	98
72) Carbazole	11.60	167	86395	2.82	ng	99
74) Fluoranthene	12.60	202	1184610	36.73	ng	97
77) Pyrene	12.82	202	1073706	29.56	ng	99
80) Benzo(a)anthracene	14.01	228	616784	22.03	ng	99
82) Chrysene	14.05	228	571945	20.65	ng	97
85) Indeno(1,2,3-cd)pyrene	16.85	276	156880	6.18	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	623895m	24.51	ng	
88) Benzo(k)fluoranthene	15.07	252	210412m	9.83	ng	
89) Benzo(a)pyrene	15.39	252	308954	13.51	ng	97
90) Dibenzo(a,h)anthracene	16.86	278	45819	2.17	ng	# 92
91) Benzo(g,h,i)perylene	17.27	276	144988	6.65	ng	97

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

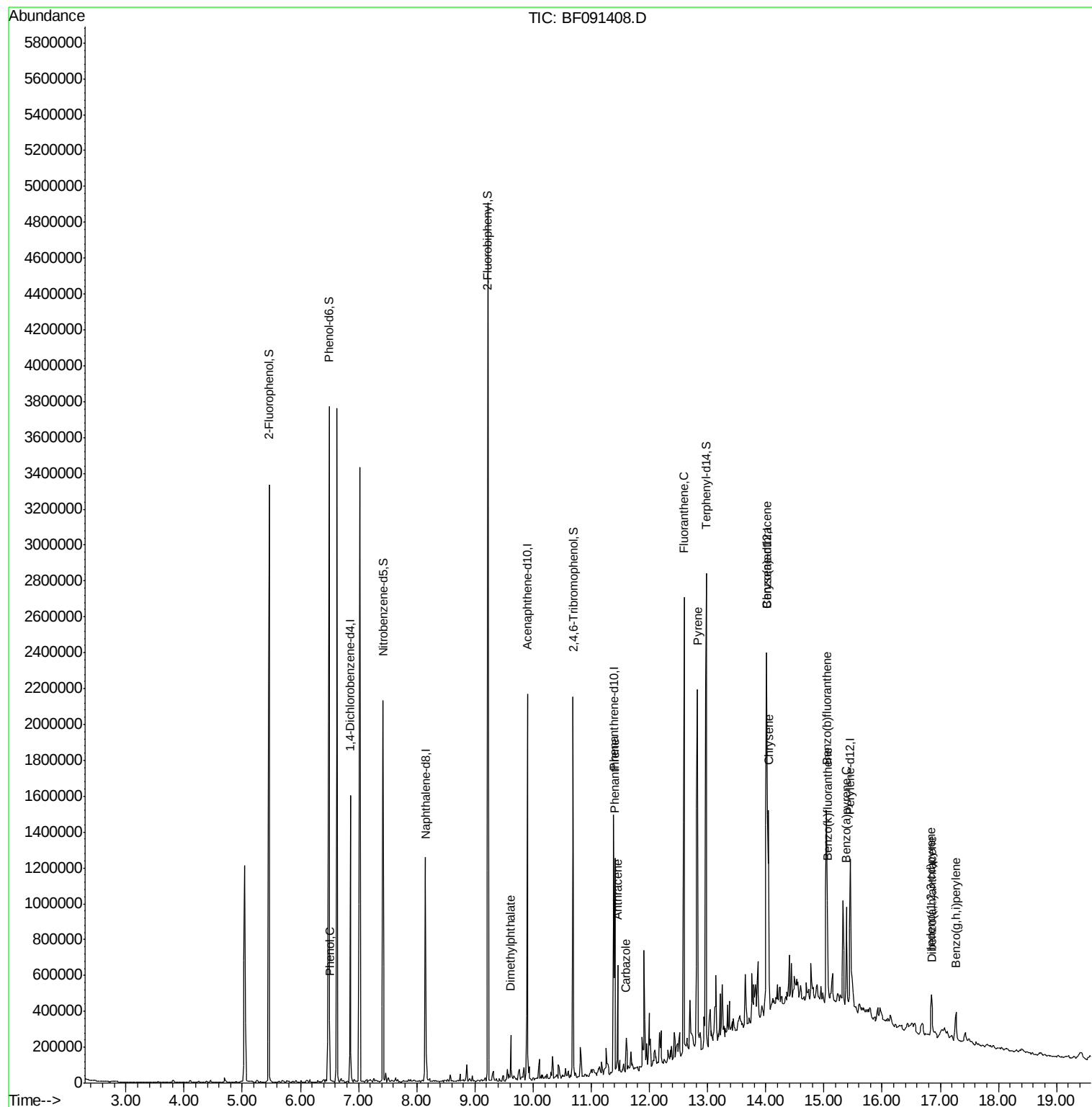
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
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ALS Vial : 23 Sample Multiplier: 1

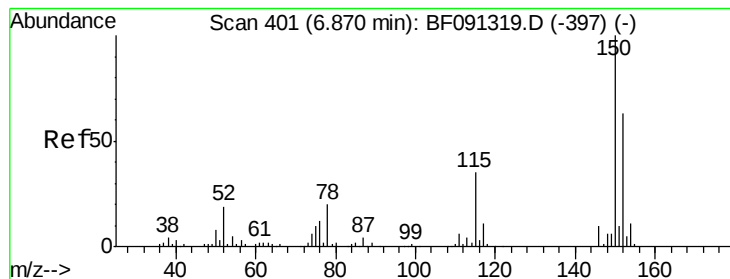
Instrument :
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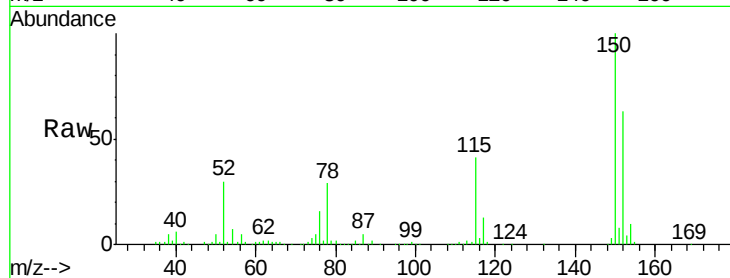
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Instrument :
 BNA_F
 ClientSampled :
 GRID-MM4-6

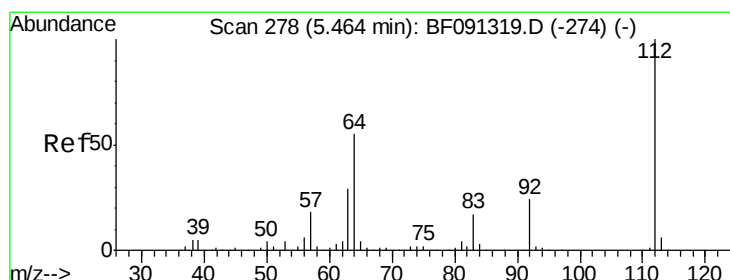
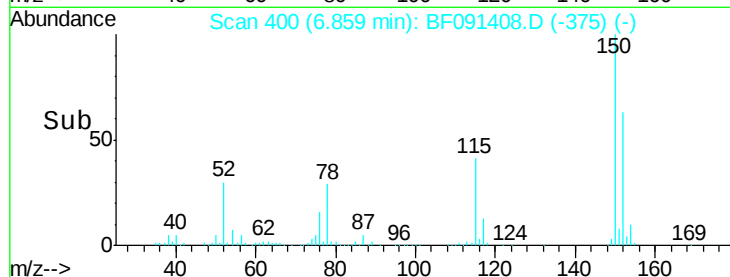
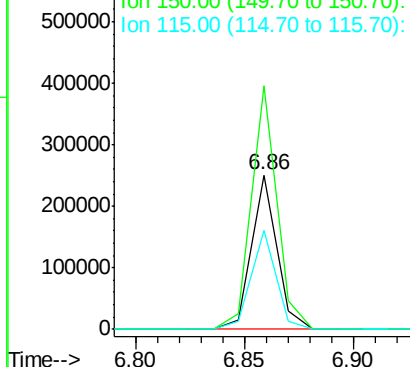
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.5	183.7
115	64.2	51.8	77.8

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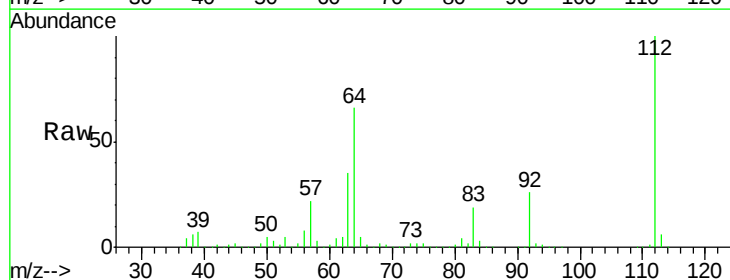


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

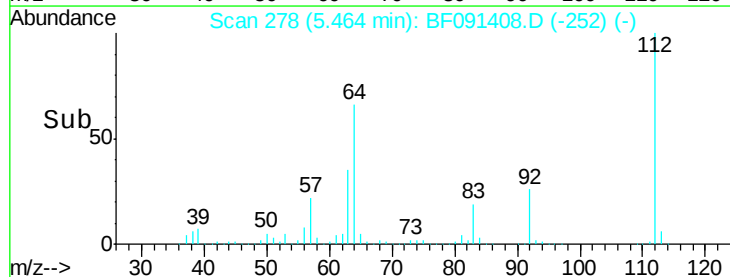
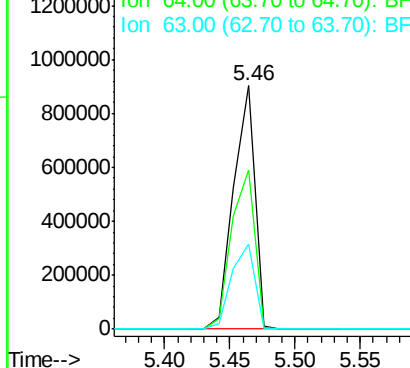


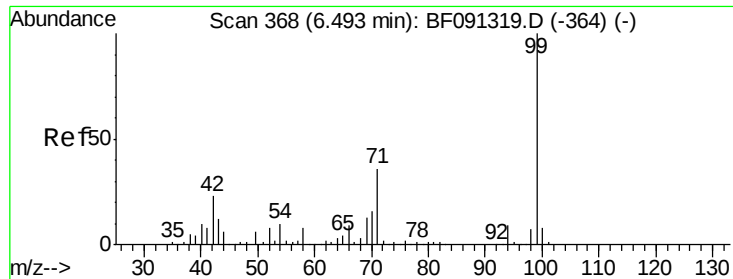
#5
 2-Fluorophenol
 Concen: 81.47 ng
 RT: 5.46 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	61.5	92.3
63	34.9	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: 85.53 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-6

Tgt Ion: 99 Resp: 1315123

Ion Ratio Lower Upper

99 100

42 22.5 20.6 31.0

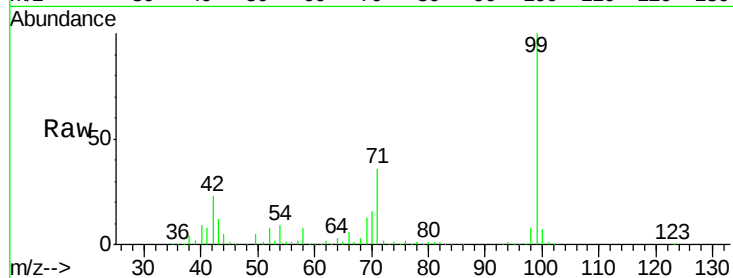
71 36.5 29.9 44.9

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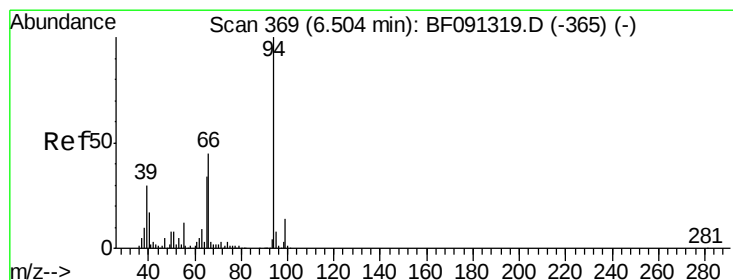
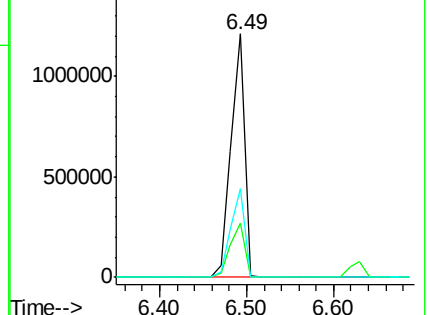
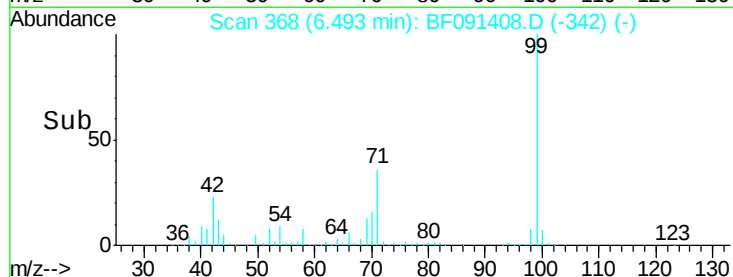
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.84 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

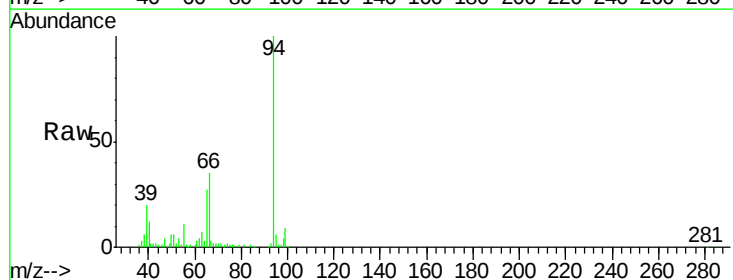
Tgt Ion: 94 Resp: 87562

Ion Ratio Lower Upper

94 100

65 27.4 16.9 56.9

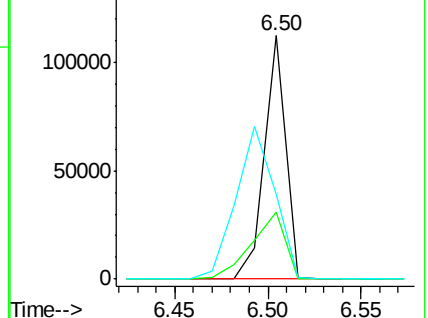
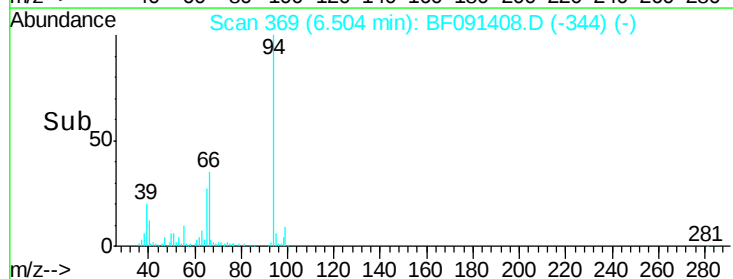
66 34.7 30.6 70.6

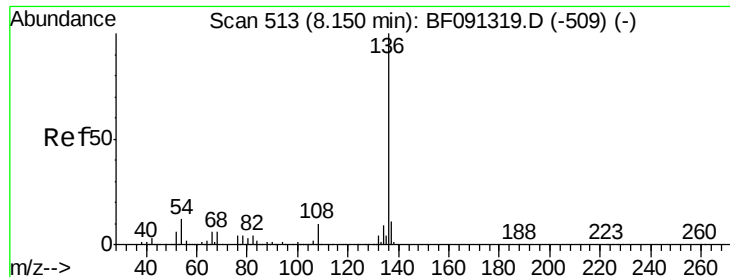


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





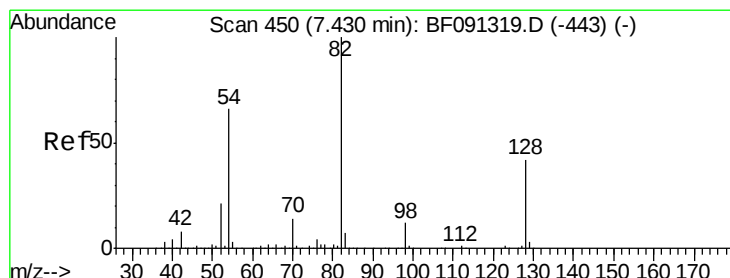
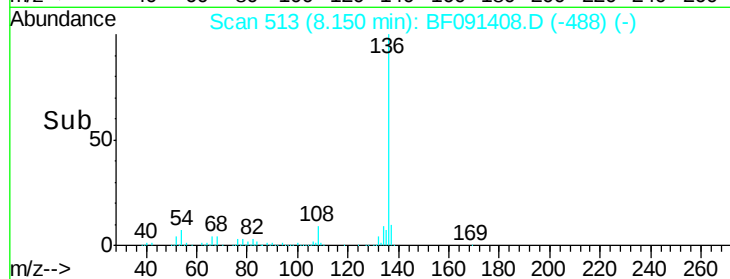
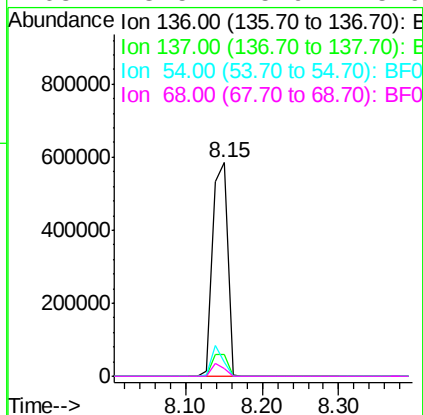
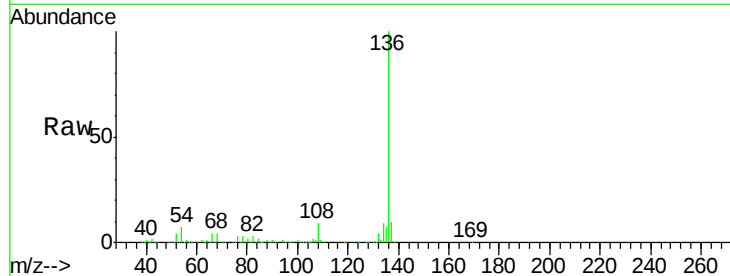
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-6

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.4	9.1	13.7
54	6.8	9.1	13.7#
68	3.5	5.9	8.9#

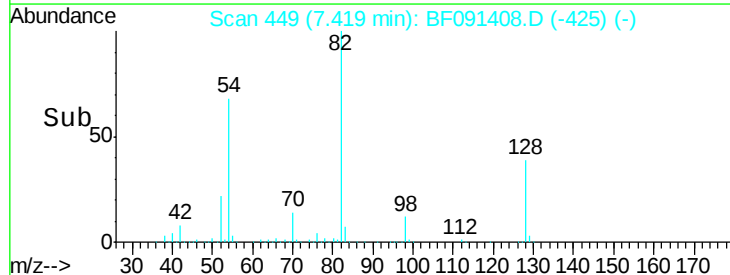
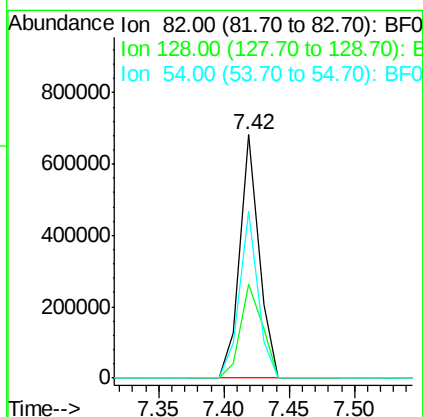
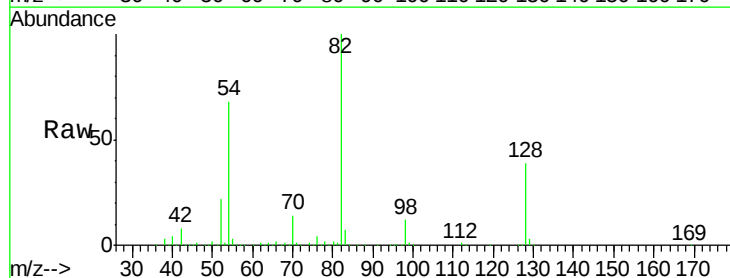
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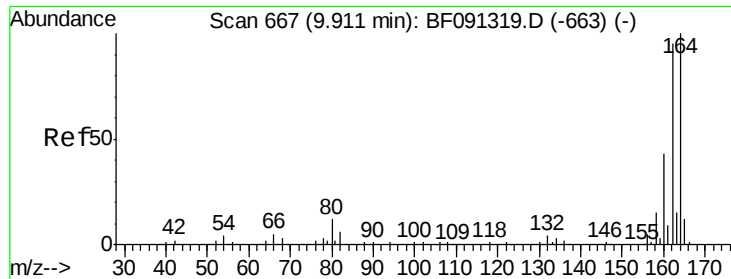
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#23
Nitrobenzene-d5
Concen: 50.02 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	38.7	31.8	47.6
54	68.4	49.1	73.7





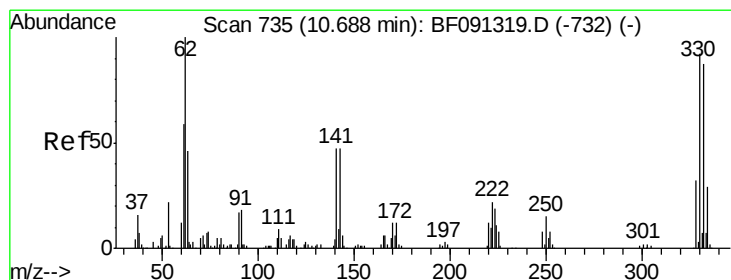
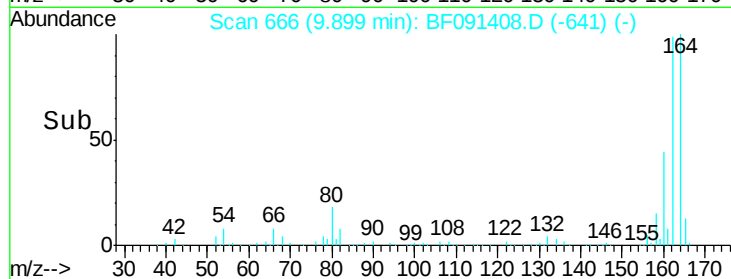
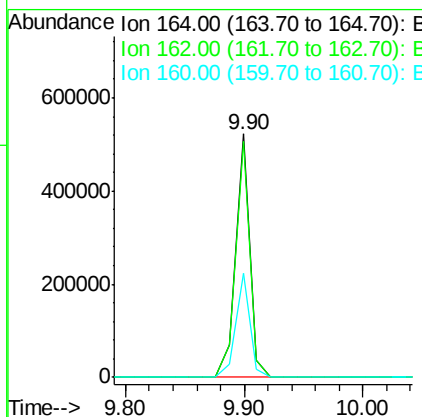
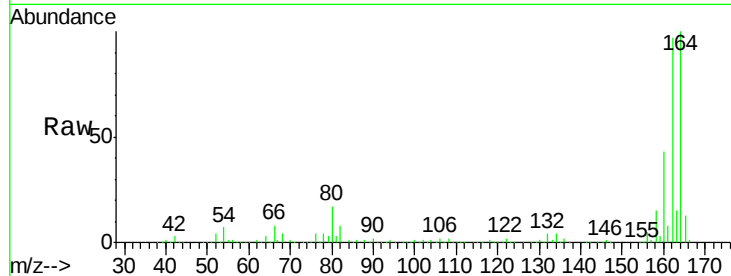
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-6

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	82.6	124.0
160	43.0	36.7	55.1

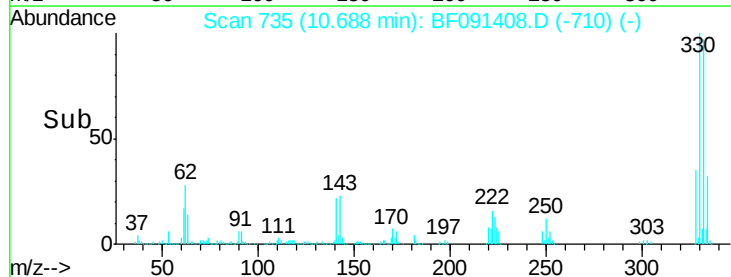
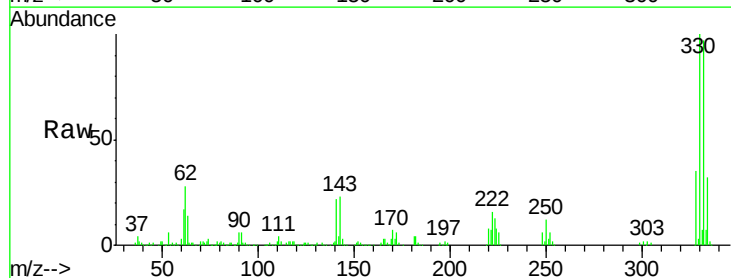
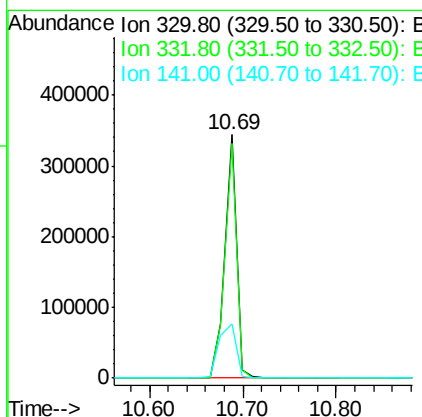
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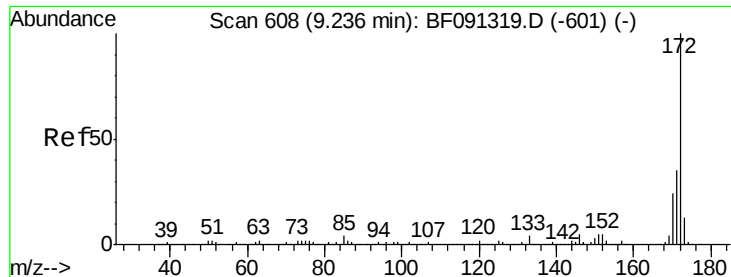
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#41
2,4,6-Tribromophenol
Concen: 73.18 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.4
141	33.0	33.6	50.4#





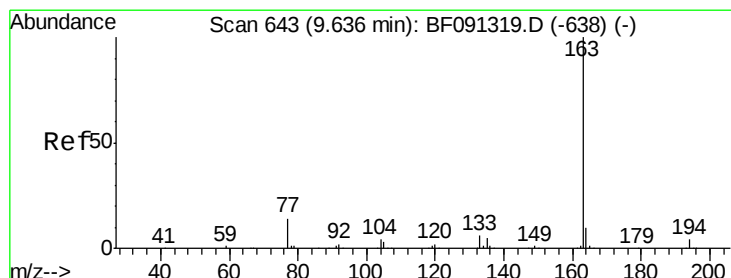
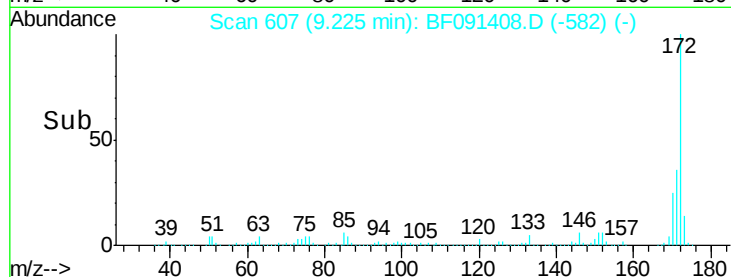
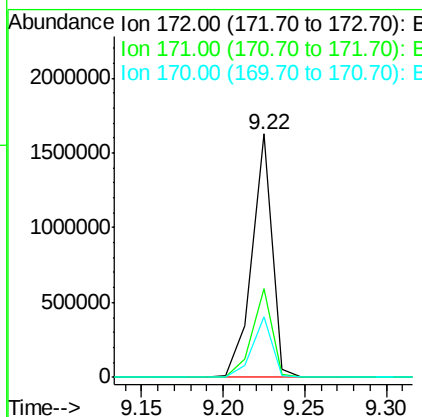
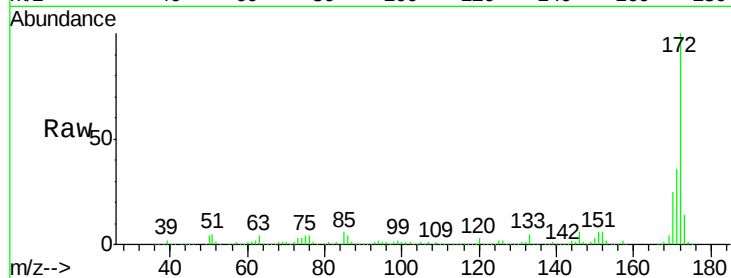
#44
2-Fluorobiphenyl
Concen: 58.41 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-6

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.7	29.5

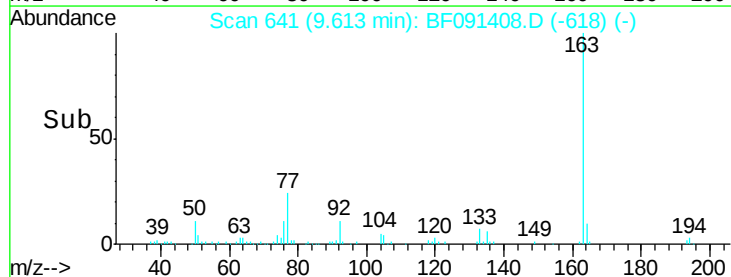
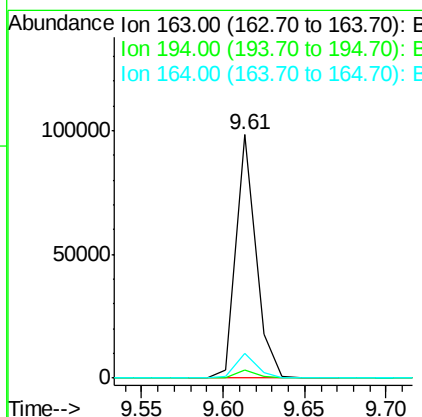
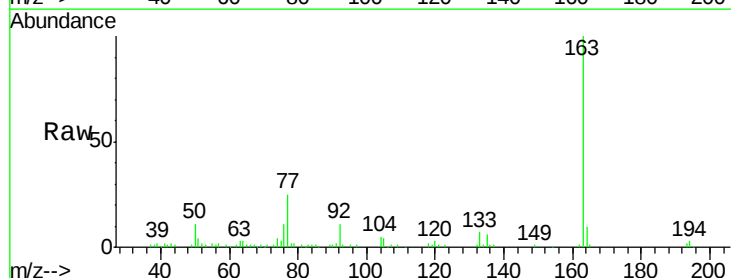
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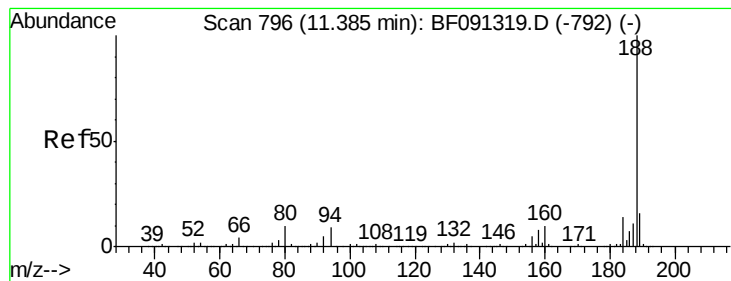
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#49
Dimethylphthalate
Concen: 3.14 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.04 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.3	7.8	11.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Instrument :

BNA_F

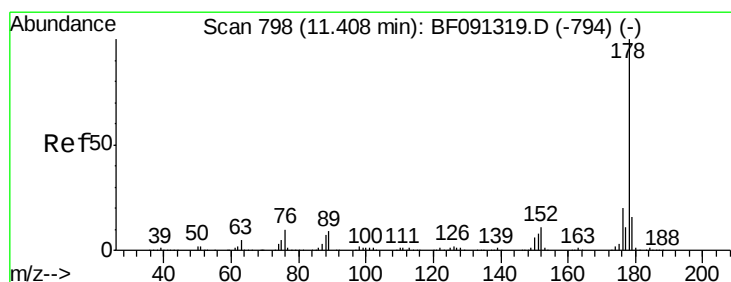
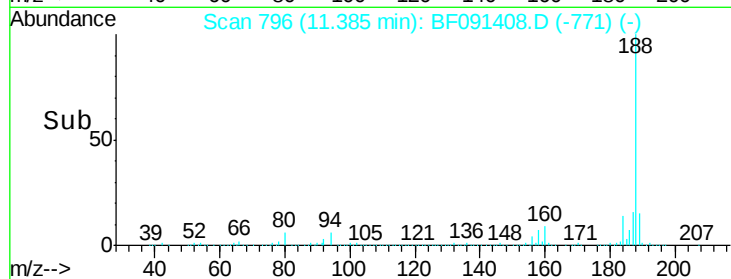
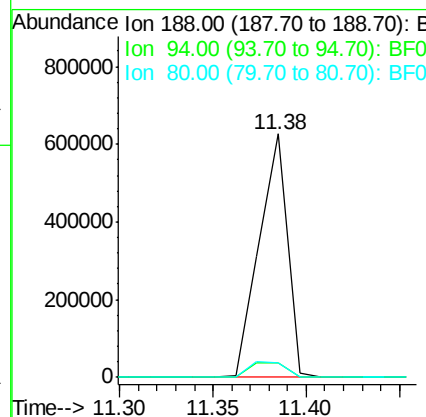
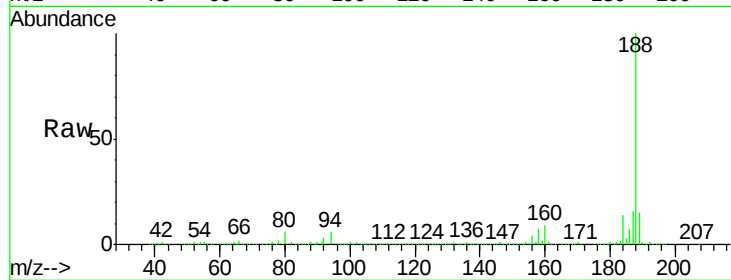
ClientSampleId :

GRID-MM4-6

Tgt Ion:	188	Resp:	655309
Ion Ratio	Lower	Upper	
188	100		
94	5.8	9.2	13.8#
80	6.1	10.5	15.7#

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#70

Phenanthrene

Concen: 15.33 ng

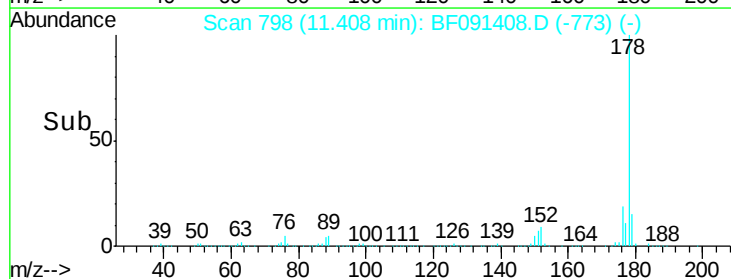
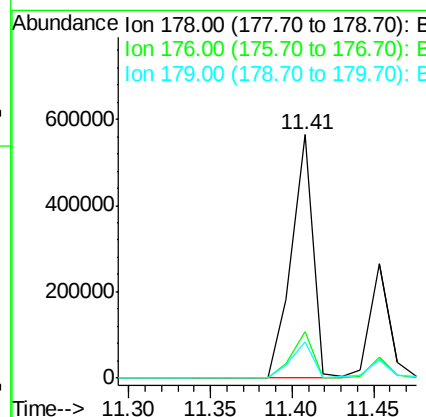
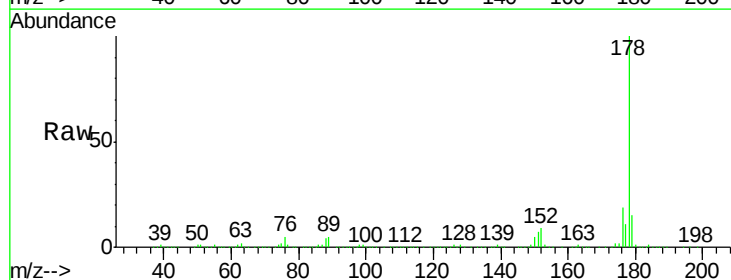
RT: 11.41 min Scan# 798

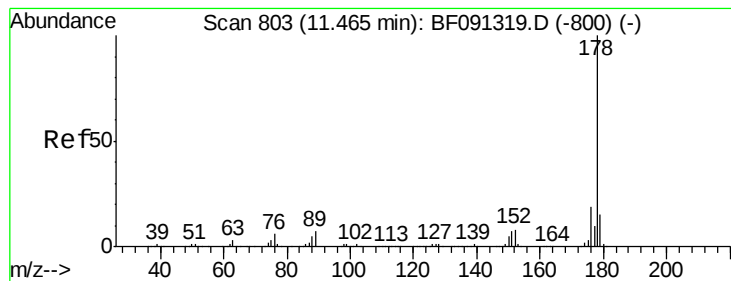
Delta R.T. -0.02 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Tgt Ion:	178	Resp:	522155
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.9	23.9
179	14.9	12.6	18.8





#71

Anthracene

Concen: 6.61 ng

RT: 11.45 min Scan# 802

Delta R.T. -0.03 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Instrument :

BNA_F

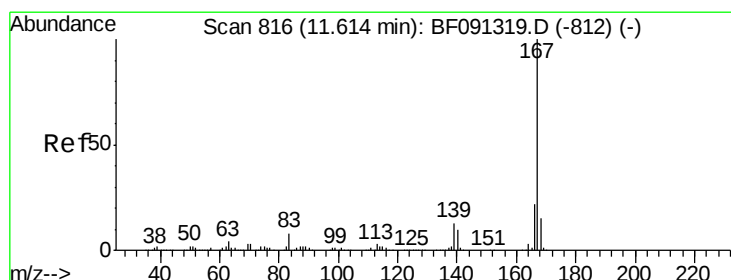
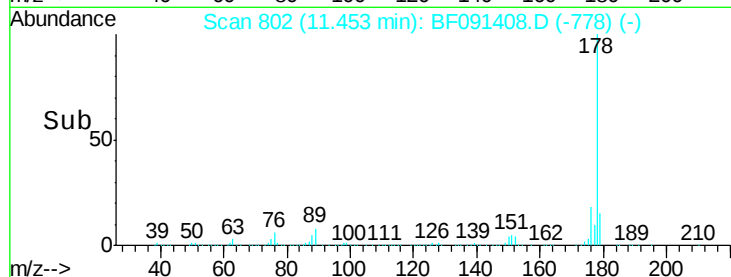
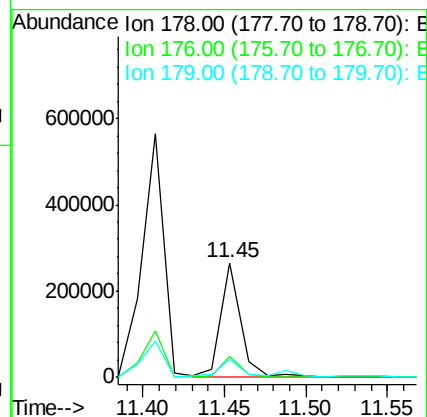
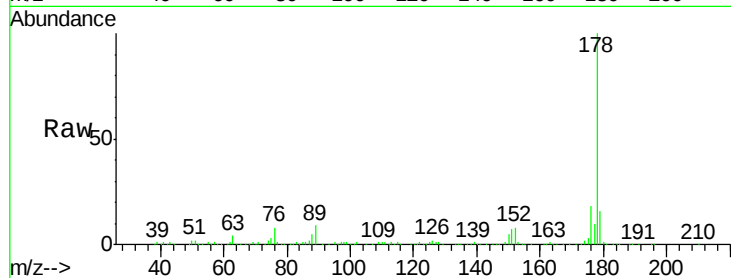
ClientSampleId :

GRID-MM4-6

Tgt Ion:	178	Resp:	223504
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.8	23.6
179	15.6	12.7	19.1

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#72

Carbazole

Concen: 2.82 ng

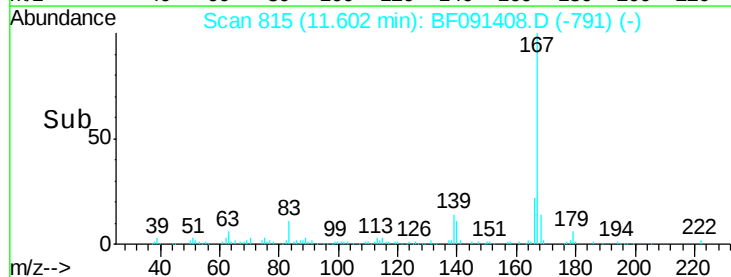
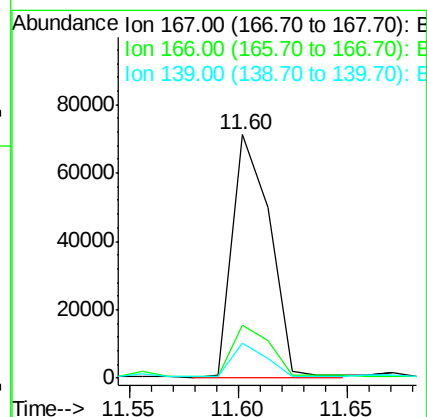
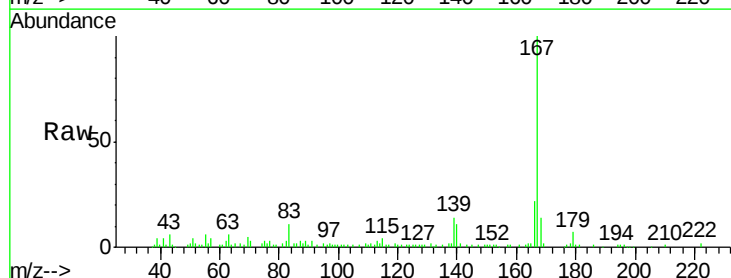
RT: 11.60 min Scan# 815

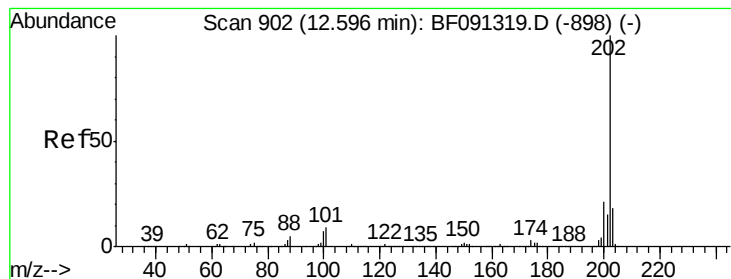
Delta R.T. -0.03 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Tgt Ion:	167	Resp:	86395
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.1	27.1
139	14.2	11.5	17.3





#74

Fluoranthene

Concen: 36.73 ng

RT: 12.60 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Instrument :

BNA_F

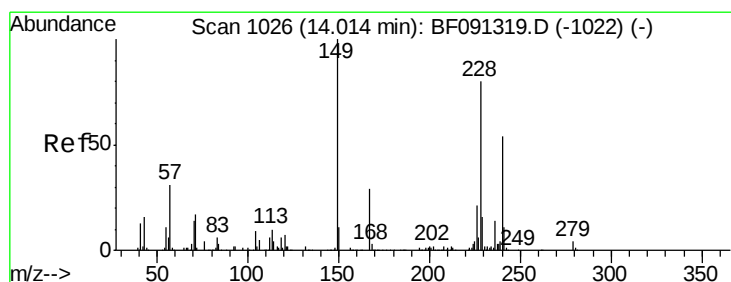
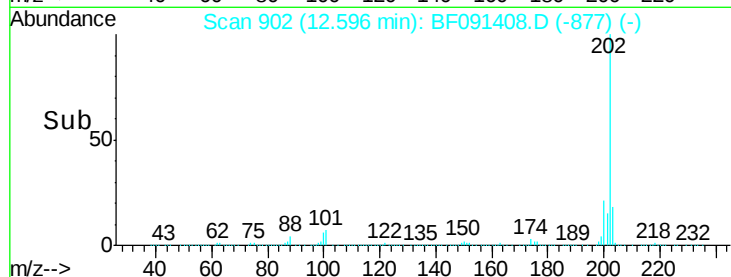
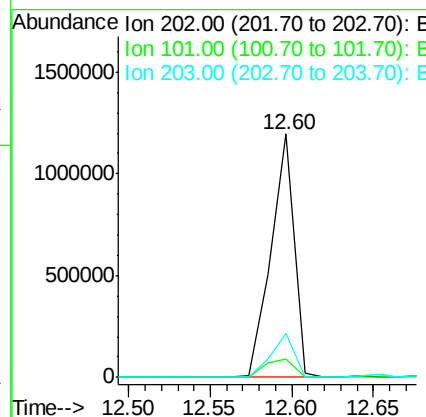
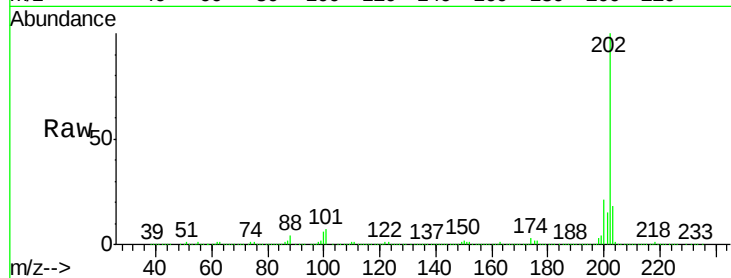
ClientSampleId :

GRID-MM4-6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	29.5
203	18.1	0.0	37.8

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#75

Chrysene-d12

Concen: 20.00 ng

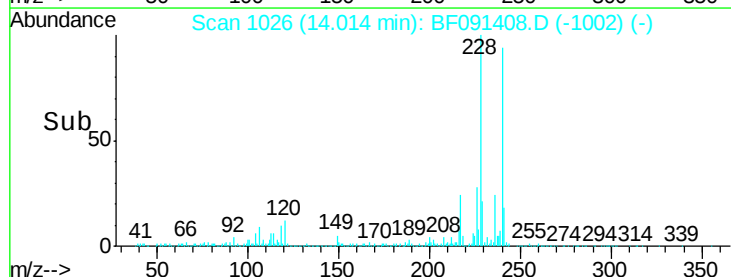
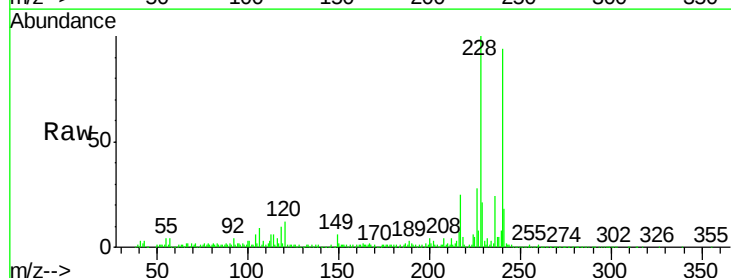
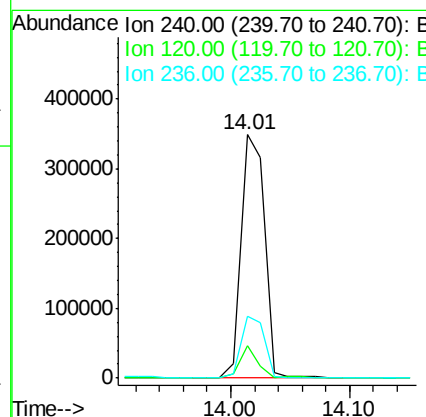
RT: 14.01 min Scan# 1026

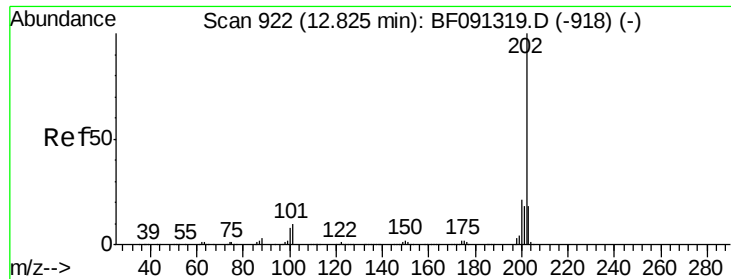
Delta R.T. -0.03 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	12.1	18.1
236	25.4	21.0	31.6





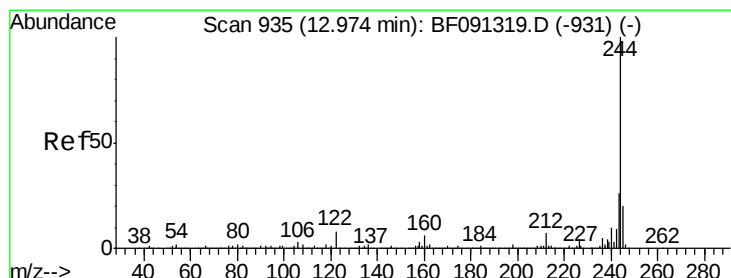
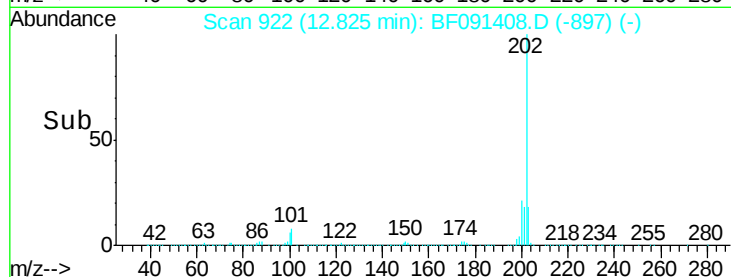
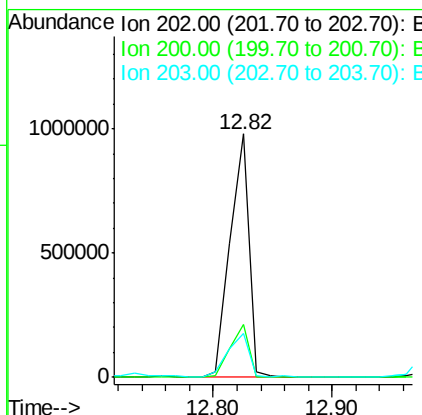
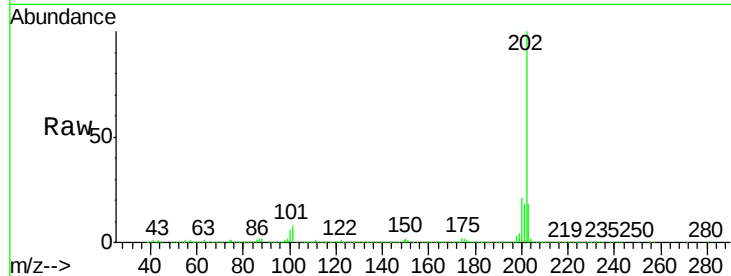
#77
 Pyrene
 Concen: 29.56 ng
 RT: 12.82 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-6

Tgt Ion:202 Resp: 1073706
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.6 26.4
 203 18.0 14.0 21.0

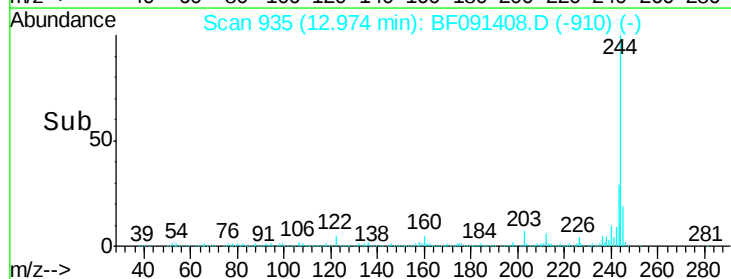
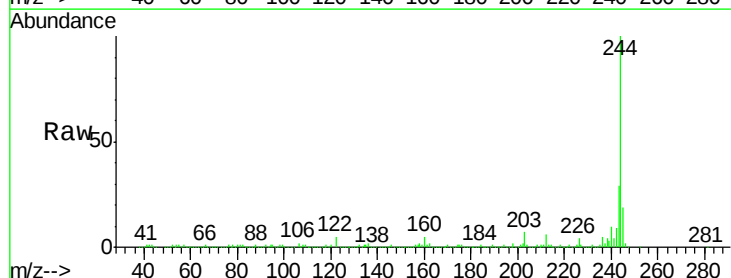
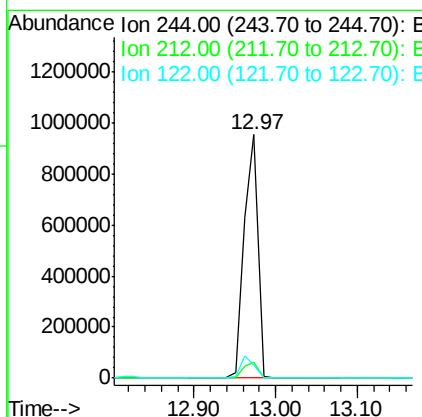
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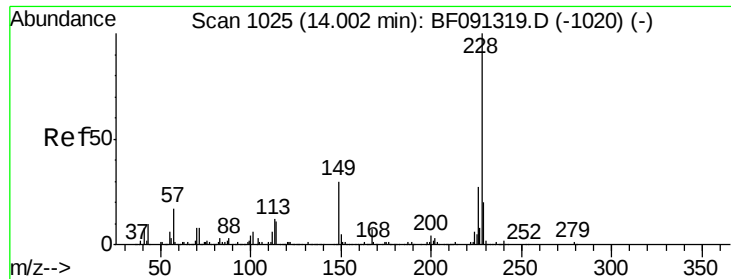
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#78
 Terphenyl-d14
 Concen: 50.62 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Tgt Ion:244 Resp: 1114916
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.5 9.7#
 122 5.5 9.5 14.3#





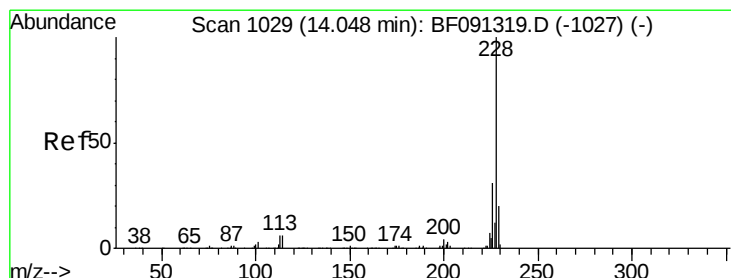
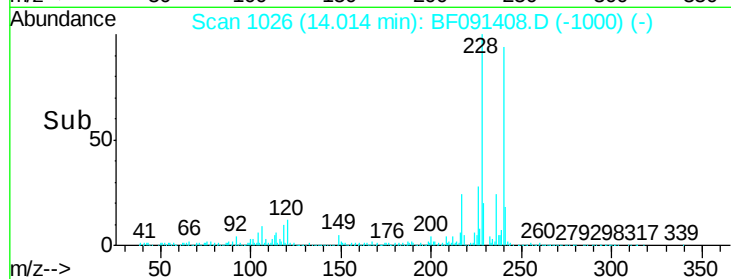
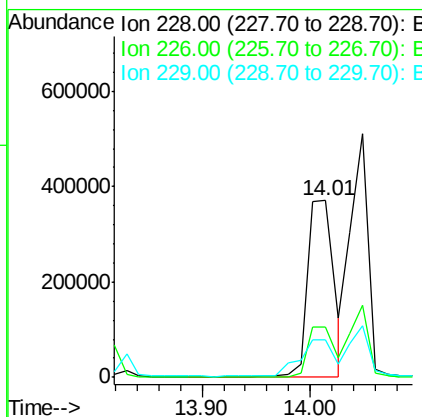
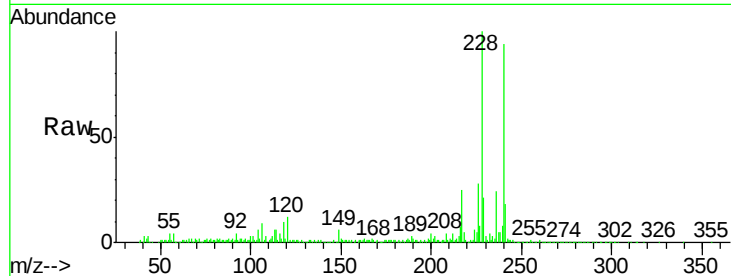
#80
Benzo(a)anthracene
Concen: 22.03 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	21.2	16.4	24.6

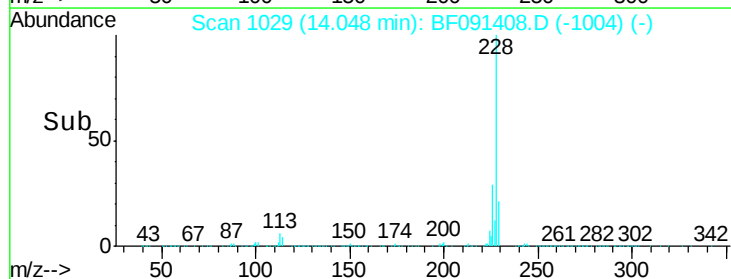
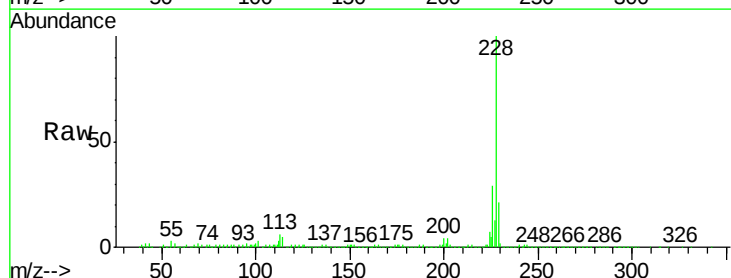
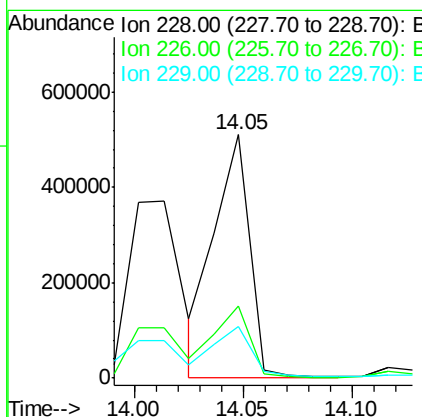
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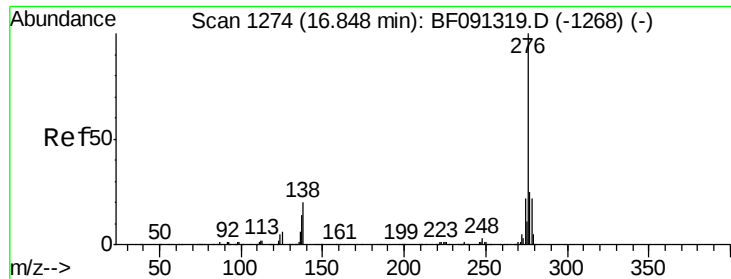
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#82
Chrysene
Concen: 20.65 ng
RT: 14.05 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.4
229	21.1	16.0	24.0





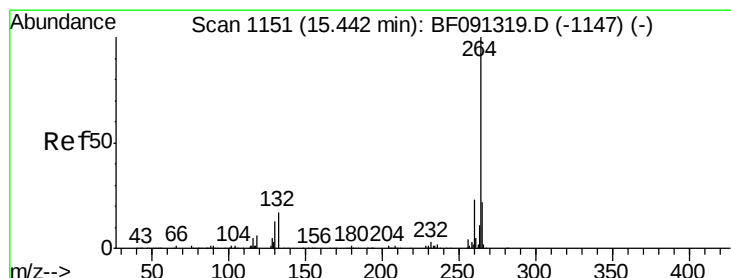
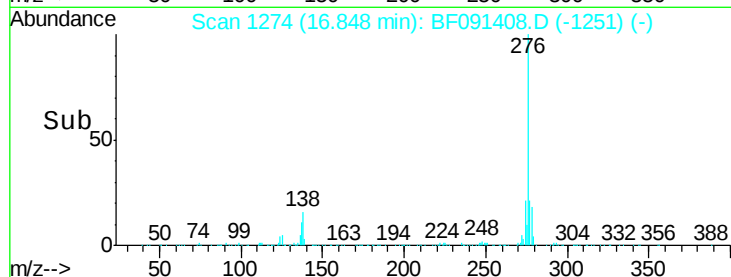
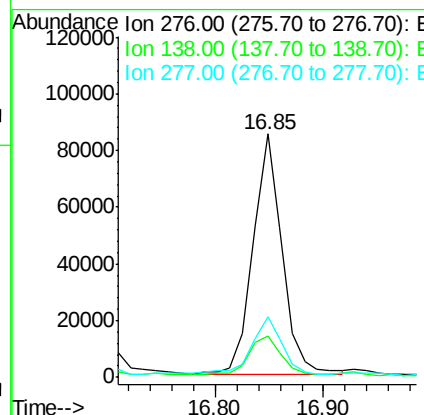
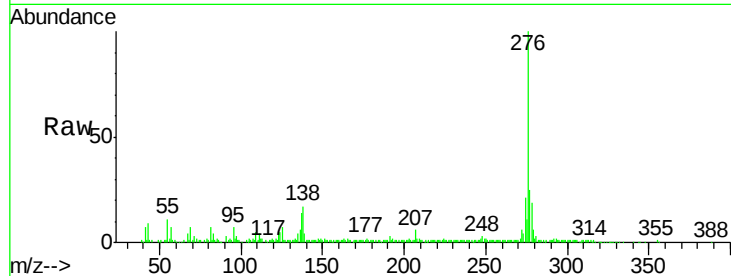
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.18 ng
 RT: 16.85 min Scan# 1274
 Delta R.T. -0.04 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-6

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	156880		
138	18.1	21.0	31.4#	
277	25.9	20.2	30.2	

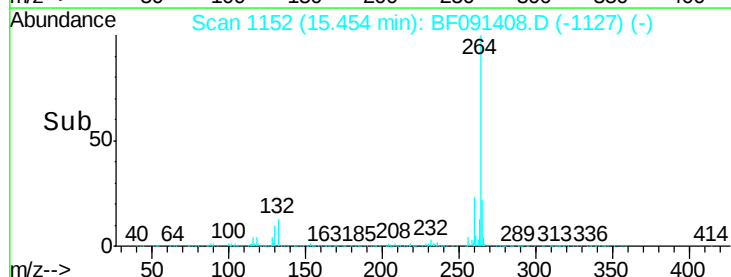
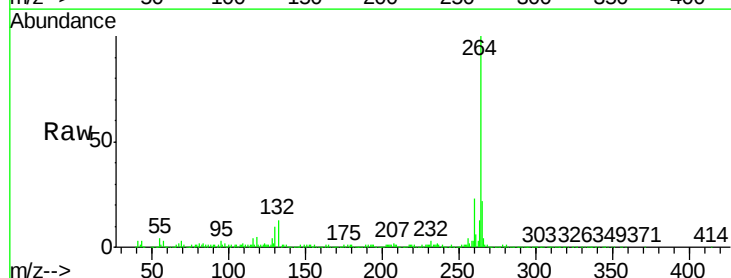
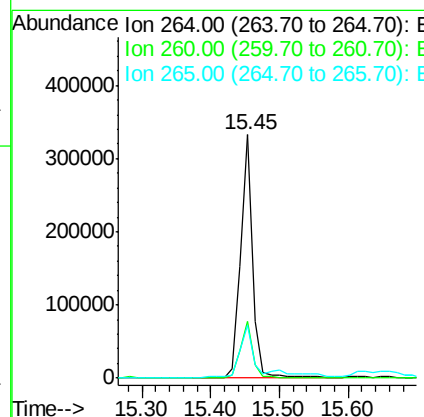
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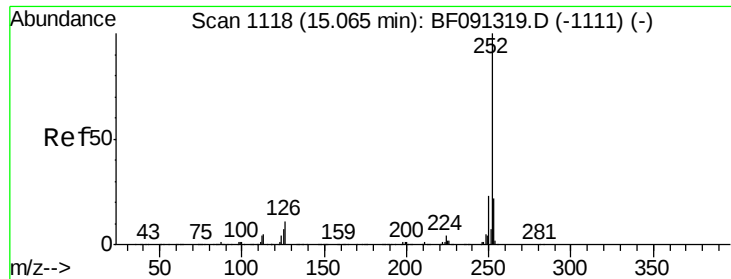
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	409568		
260	23.3	18.8	28.2	
265	21.8	17.0	25.6	





#87

Benzo(b)fluoranthene

Concen: 24.51 ng m

RT: 15.04 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Instrument :

BNA_F

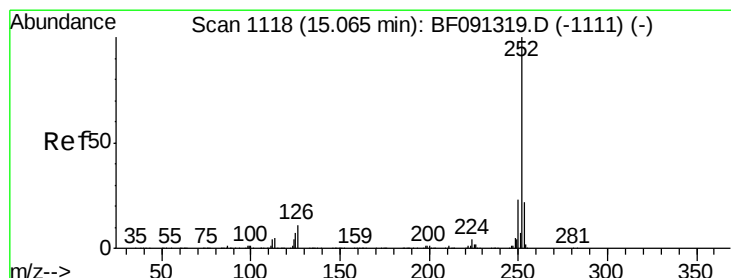
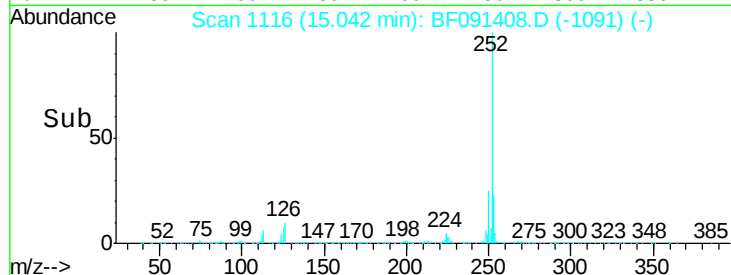
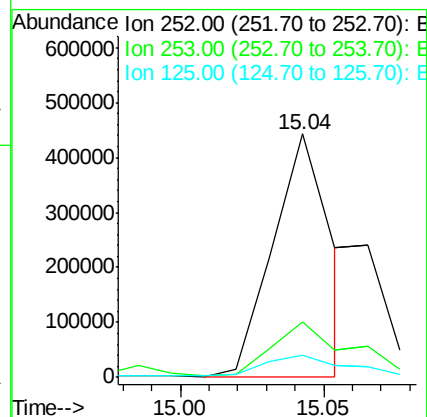
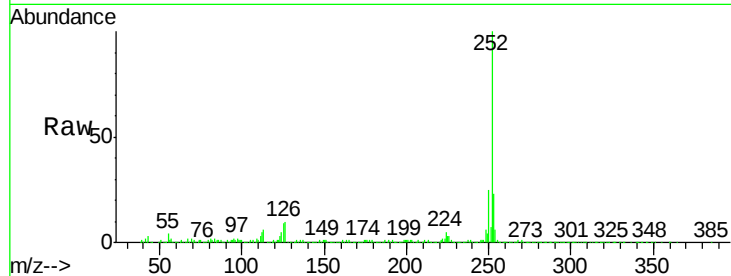
ClientSampleId :

GRID-MM4-6

Tgt Ion:	252	Resp:	623895
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.2
125	8.9	8.6	13.0

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#88

Benzo(k)fluoranthene

Concen: 9.83 ng m

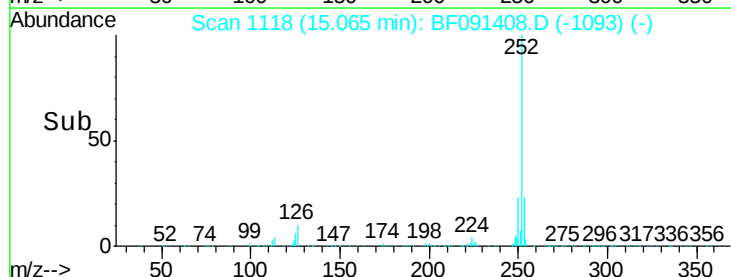
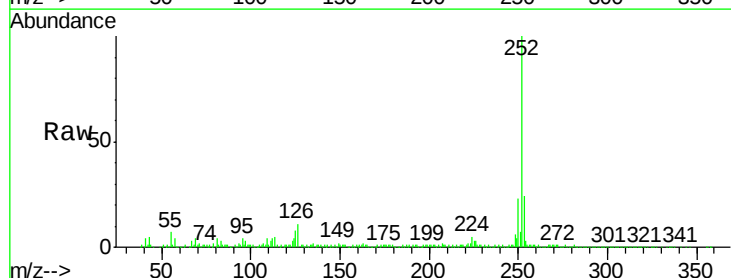
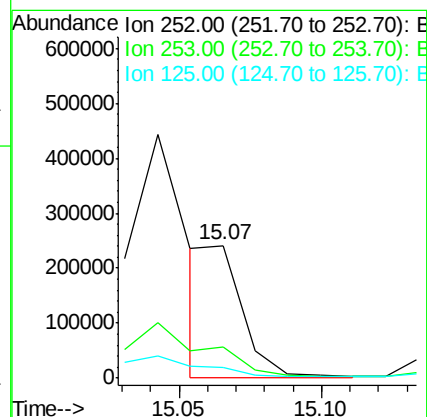
RT: 15.07 min Scan# 1118

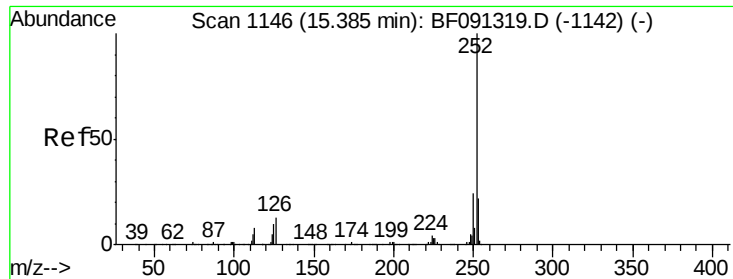
Delta R.T. -0.02 min

Lab File: BF091408.D

Acq: 3 Dec 2016 00:01

Tgt Ion:	252	Resp:	210412
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	8.2	9.6	14.4#





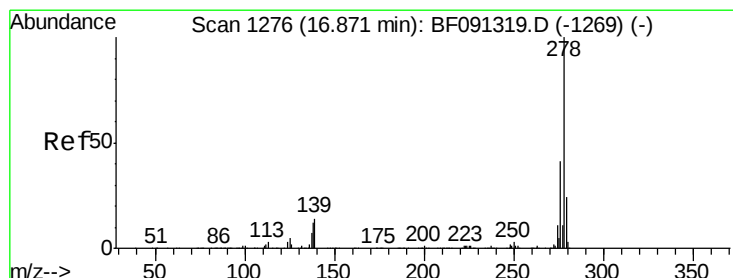
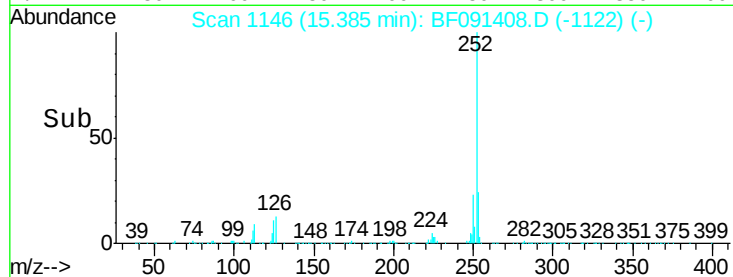
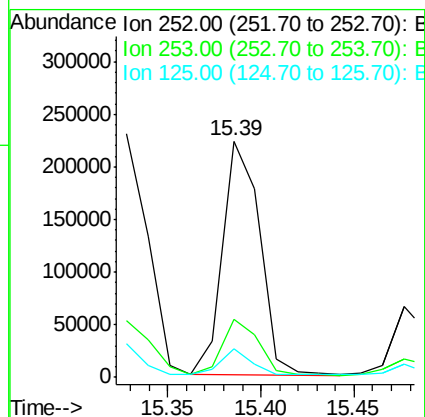
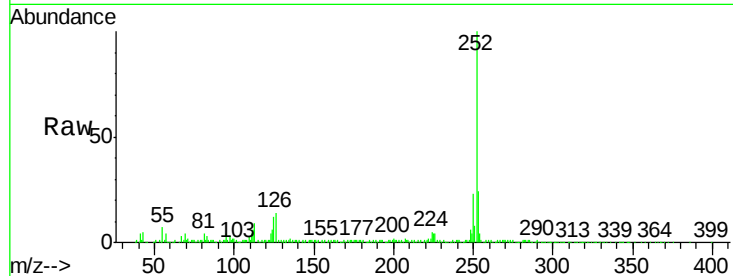
#89
Benzo(a)pyrene
Concen: 13.51 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-6

Tgt Ion:	252	Resp:	308954
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.4
125	11.9	10.4	15.6

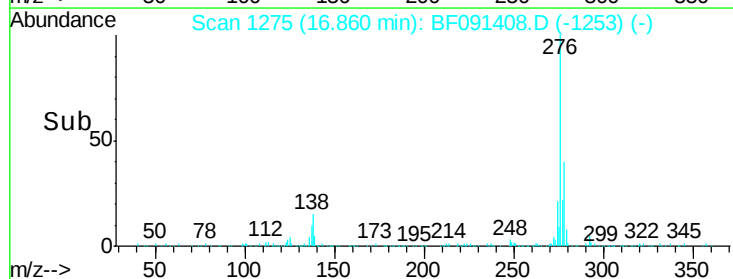
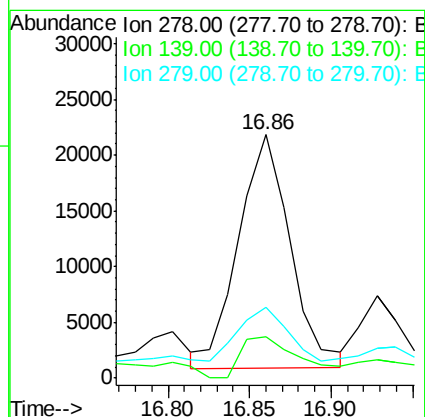
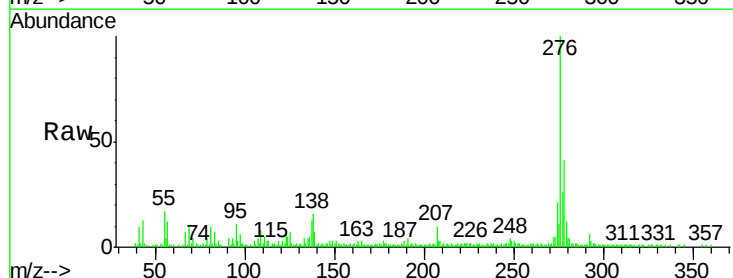
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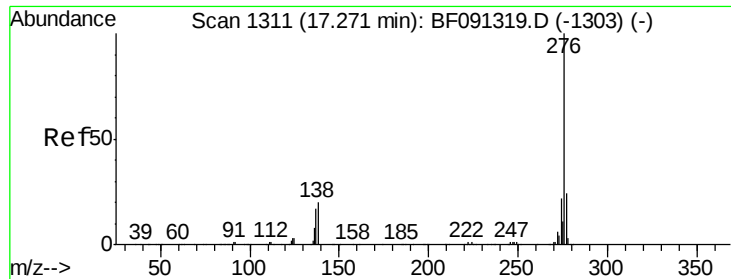
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#90
Dibenzo(a,h)anthracene
Concen: 2.17 ng
RT: 16.86 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF091408.D
Acq: 3 Dec 2016 00:01

Tgt Ion:	278	Resp:	45819
Ion Ratio	Lower	Upper	
278	100		
139	17.0	15.1	22.7
279	28.9	19.0	28.6#





#91
 Benzo(g,h,i)perylene
 Concen: 6.65 ng
 RT: 17.27 min Scan# 1311
 Delta R.T. -0.04 min
 Lab File: BF091408.D
 Acq: 3 Dec 2016 00:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-6

Tgt Ion:	276	Resp:	144988
Ion Ratio		Lower	Upper
276	100		
277	23.1	19.0	28.4
138	17.0	15.4	23.0

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