

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091300.D
 Acq On : 24 Nov 2016 2:55
 Operator : UM/SJ
 Sample : H5749-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

Manual Integrations
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Quant Time: Nov 24 05:51:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	196207	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	832090	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	365495	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	535185	20.00	ng	0.00
75) Chrysene-d12	14.04	240	502313	20.00	ng	0.00
86) Perylene-d12	15.48	264	357873	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1274524	104.37	ng	0.01
7) Phenol-d6	6.51	99	1483985	94.58	ng	0.01
23) Nitrobenzene-d5	7.45	82	1036420	71.71	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	310036	84.12	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1554789	69.65	ng	0.00
78) Terphenyl-d14	12.99	244	1191011	54.15	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	127889	7.31	ng	88
48) Acenaphthylene	9.78	152	83239	2.69	ng	98
49) Dimethylphthalate	9.64	163	168412	7.38	ng	98
70) Phenanthrene	11.42	178	216028	7.78	ng	99
71) Anthracene	11.47	178	133456	4.70	ng	99
74) Fluoranthene	12.61	202	664246	23.52	ng	99
77) Pyrene	12.84	202	745808	20.09	ng	99
80) Benzo(a)anthracene	14.03	228	434762	15.25	ng	96
82) Chrysene	14.07	228	458558	17.02	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	151739	6.54	ng	# 91
87) Benzo(b)fluoranthene	15.07	252	520788m	23.07	ng	
88) Benzo(k)fluoranthene	15.09	252	160302m	8.69	ng	
89) Benzo(a)pyrene	15.43	252	259098m	13.49	ng	
90) Dibenzo(a,h)anthracene	16.91	278	40764	2.30	ng	# 87
91) Benzo(g,h,i)perylene	17.32	276	141432	8.04	ng	98

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

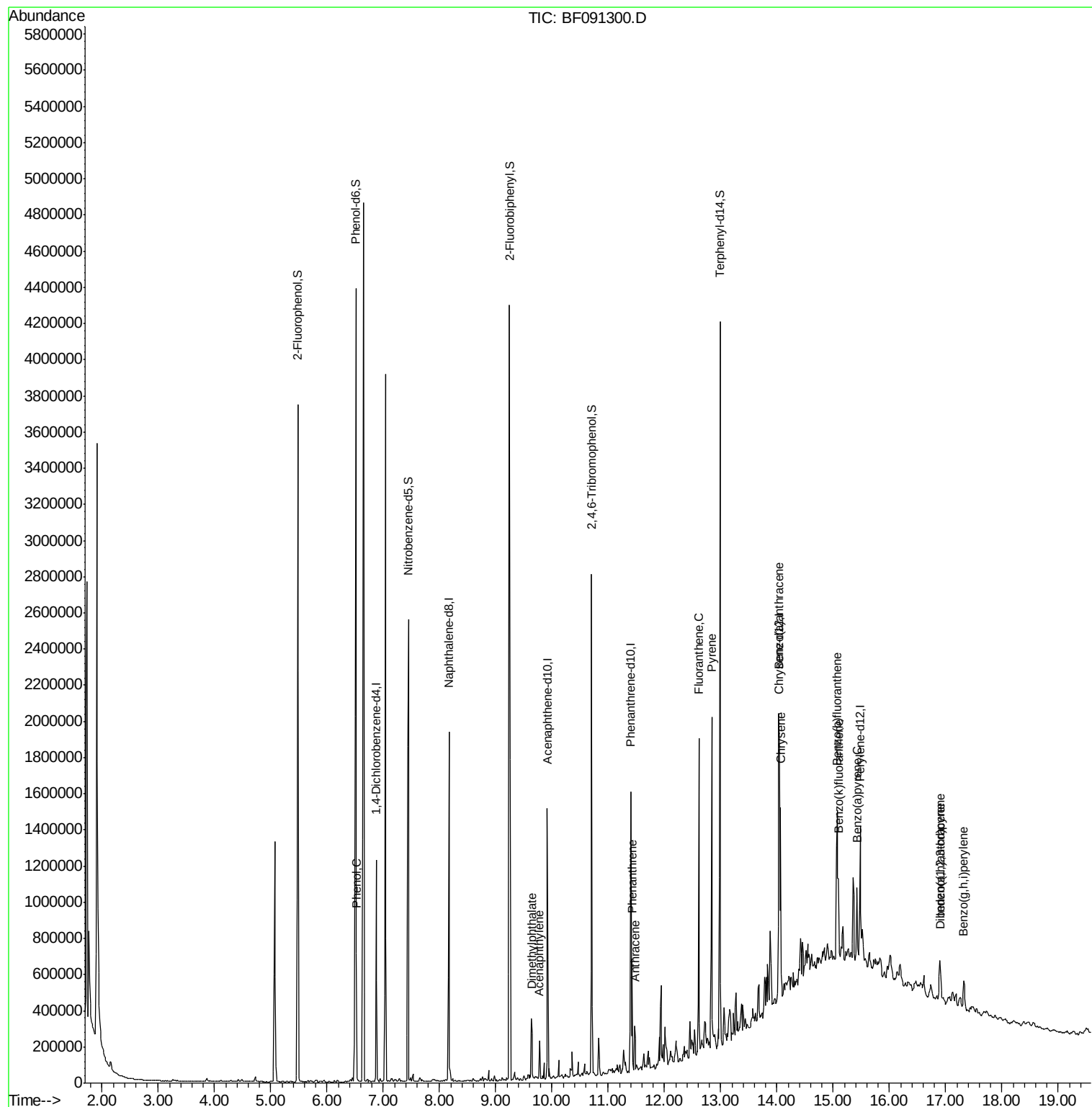
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091300.D
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Sample : H5749-03
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ALS Vial : 23 Sample Multiplier: 1

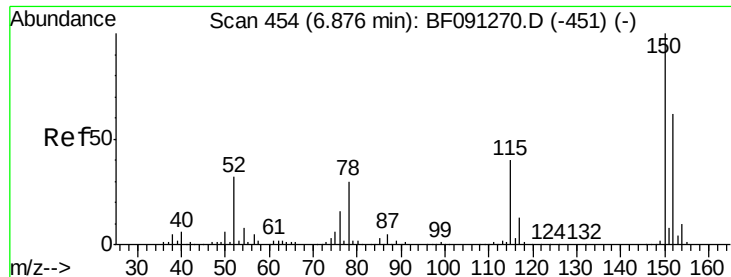
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 13:22:53 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

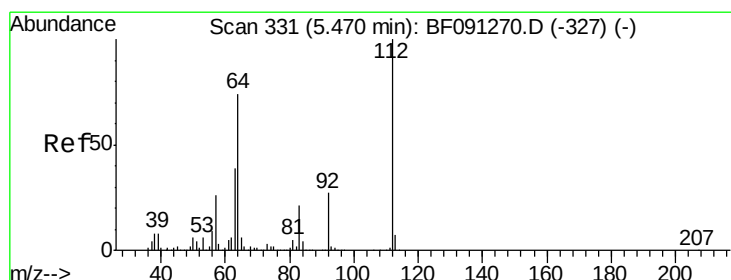
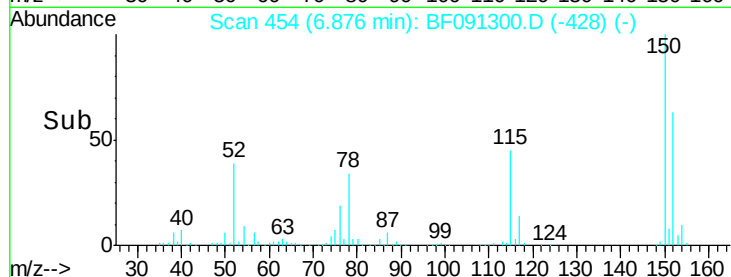
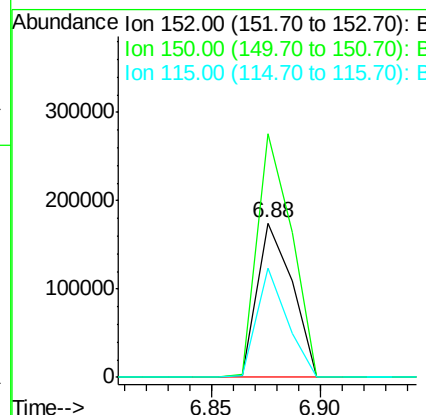
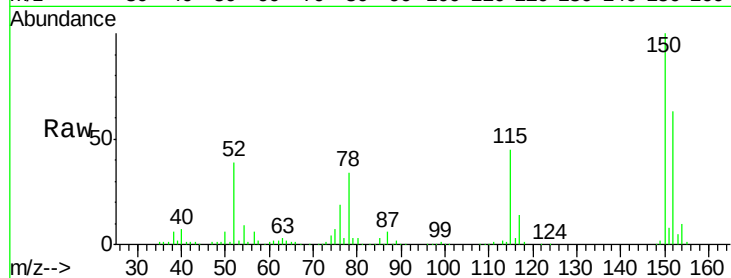
ClientSampleId :

GRID-MM4-2

Tgt	Ion:152	Resp:	196207
Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.5	183.7
115	70.8	51.8	77.8

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#5

2-Fluorophenol

Concen: 104.37 ng

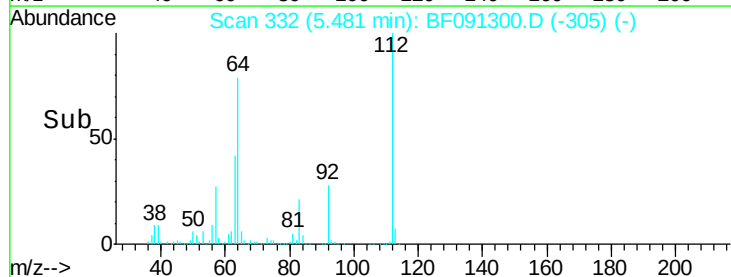
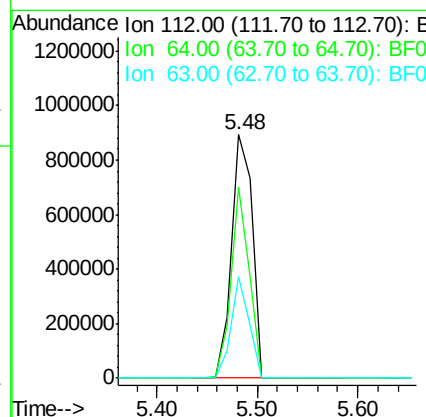
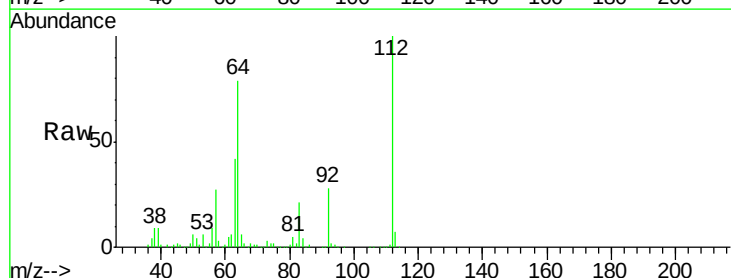
RT: 5.48 min Scan# 332

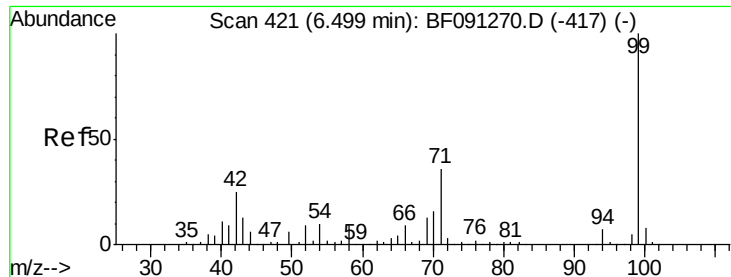
Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Tgt	Ion:112	Resp:	1274524
Ion	Ratio	Lower	Upper
112	100		
64	78.5	61.5	92.3
63	41.8	33.3	49.9





#7

Phenol-d6

Concen: 94.58 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

Tgt Ion: 99 Resp: 1483985

Ion Ratio Lower Upper

99 100

42 24.0 20.6 31.0

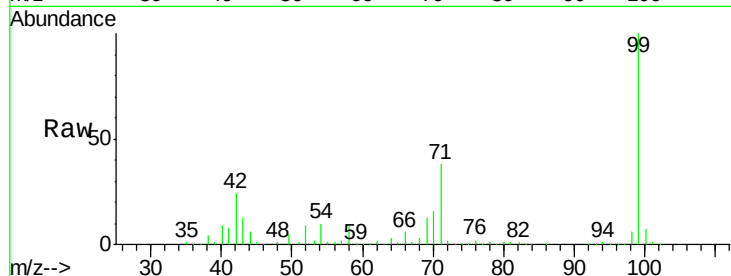
71 37.8 29.9 44.9

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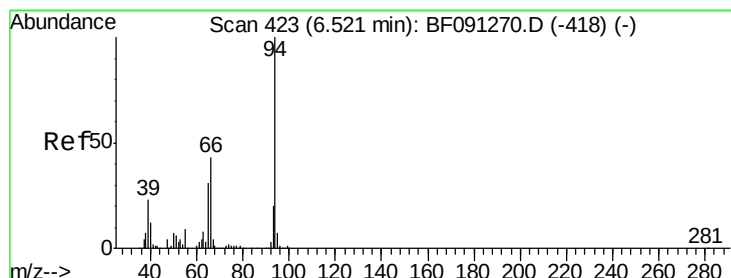
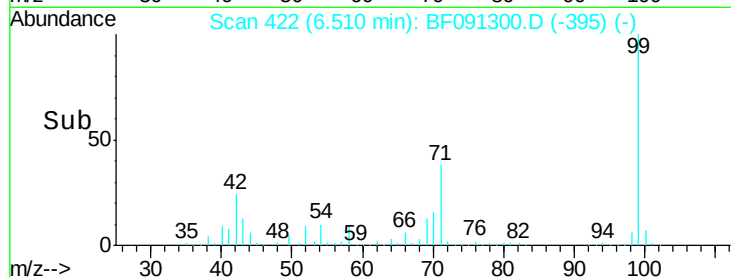
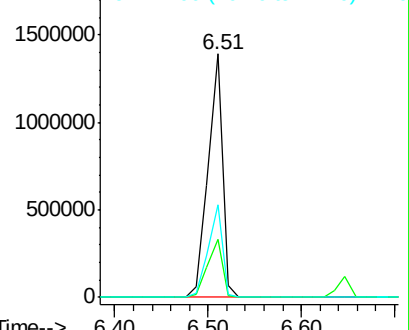
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.31 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

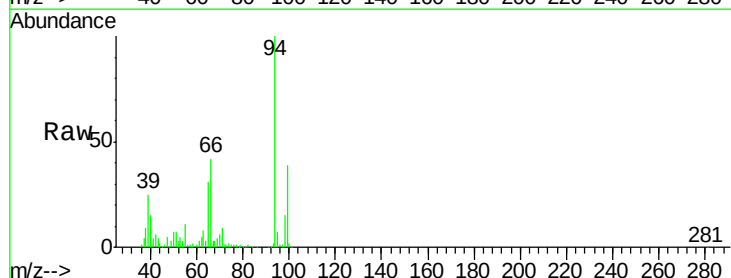
Tgt Ion: 94 Resp: 127889

Ion Ratio Lower Upper

94 100

65 30.5 16.9 56.9

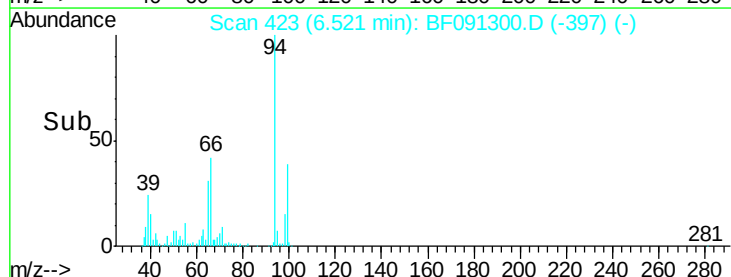
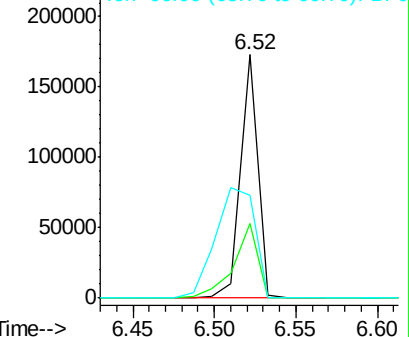
66 42.0 30.6 70.6

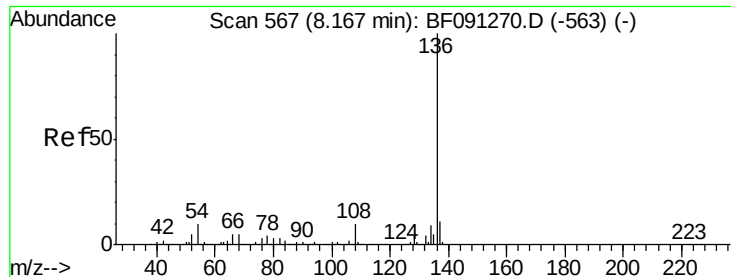


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 8.17 min Scan# 567

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

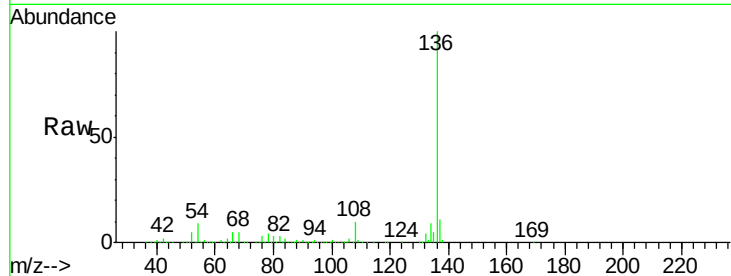
ClientSampleId :

GRID-MM4-2

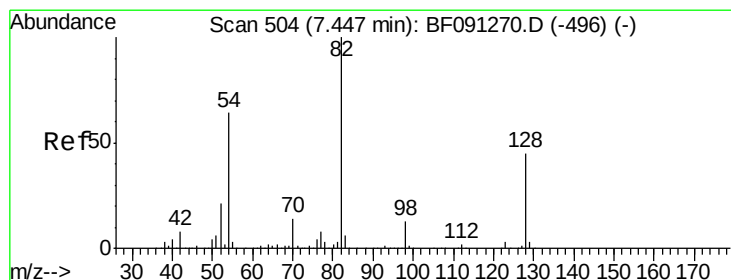
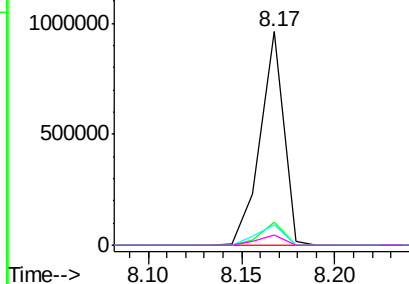
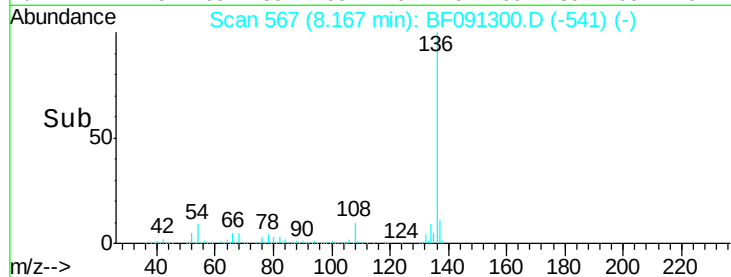
Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.7	9.1	13.7
54	9.4	9.1	13.7
68	4.8	5.9	8.9#

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Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.71 ng

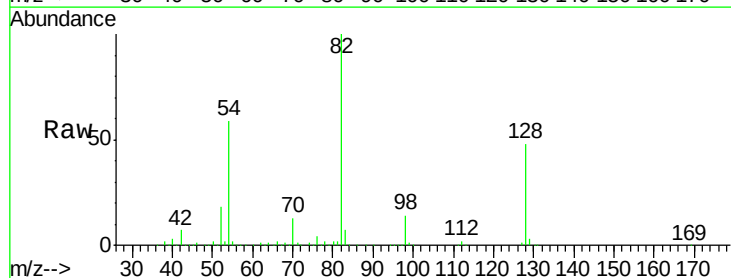
RT: 7.45 min Scan# 504

Delta R.T. -0.00 min

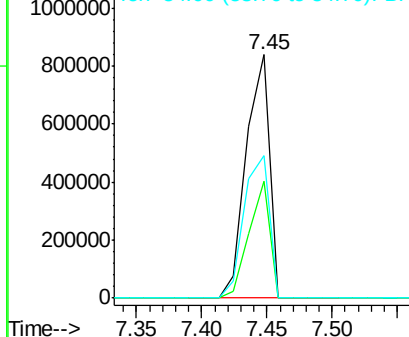
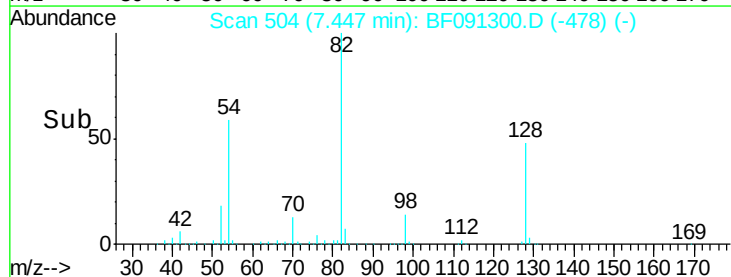
Lab File: BF091300.D

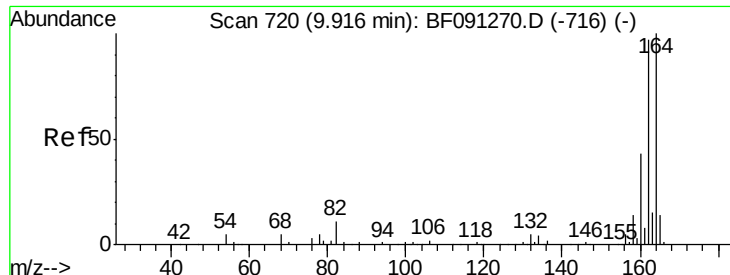
Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	48.0	31.8	47.6#
54	58.7	49.1	73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





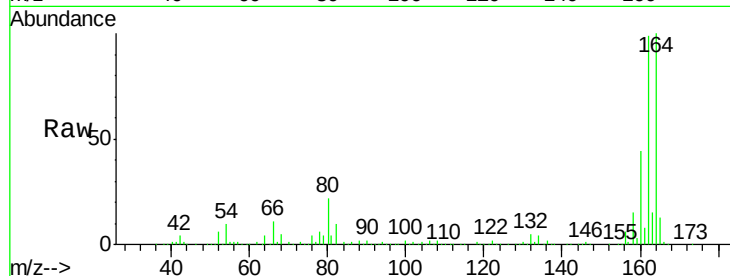
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-2

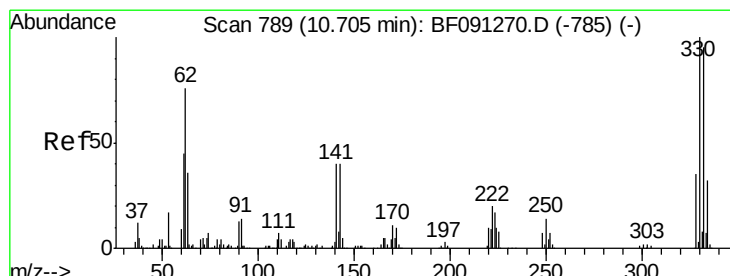
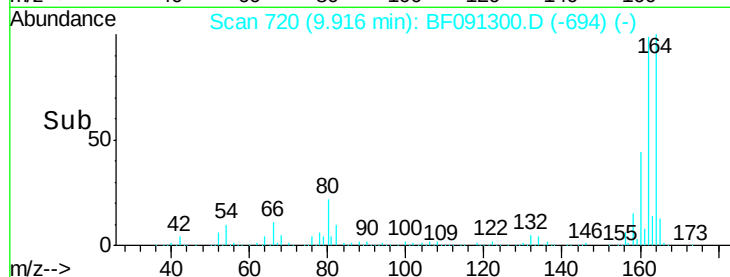
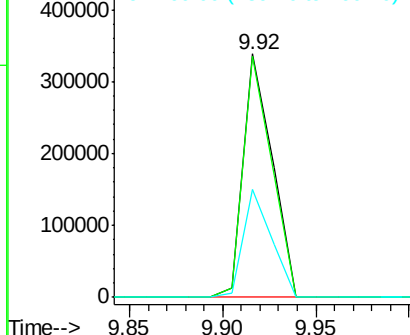
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	365495		
162	99.1	82.6	124.0	
160	44.3	36.7	55.1	

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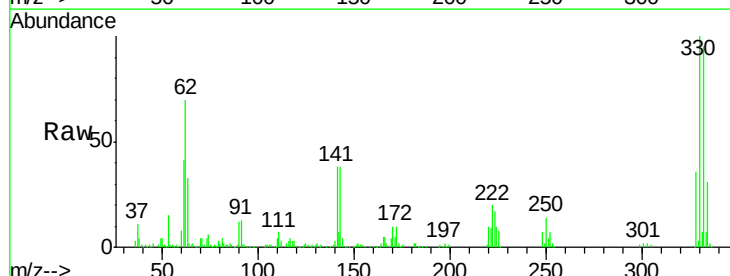


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

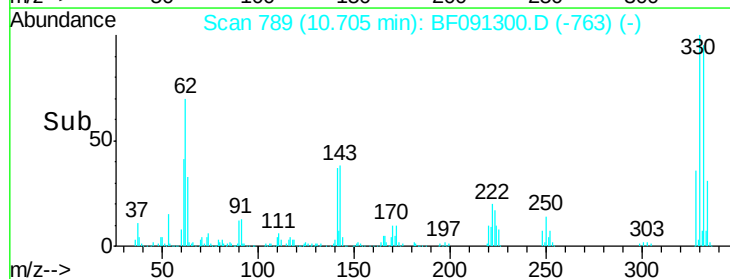
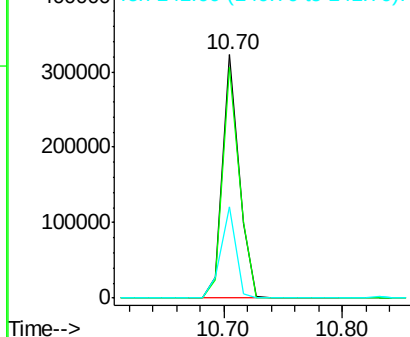


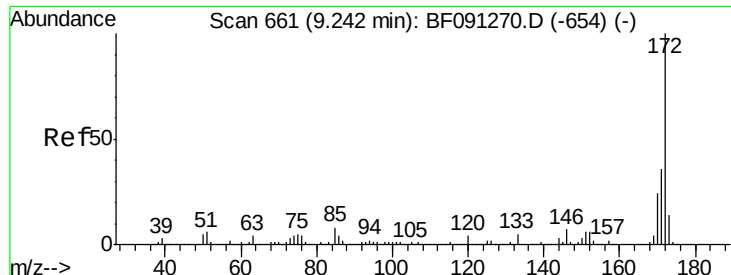
#41
2,4,6-Tribromophenol
Concen: 84.12 ng
RT: 10.70 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	310036		
332	96.3	76.2	114.4	
141	34.2	33.6	50.4	



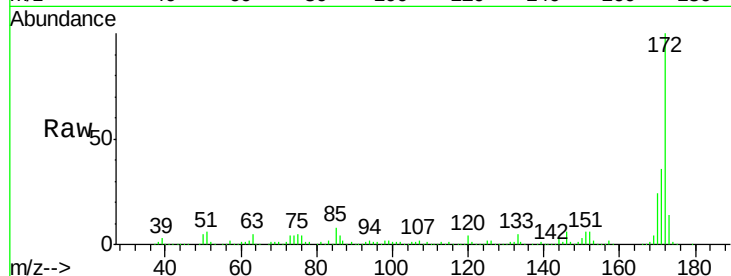
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#44
 2-Fluorobiphenyl
 Concen: 69.65 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

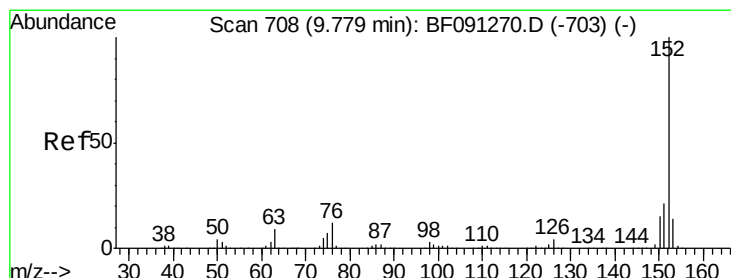
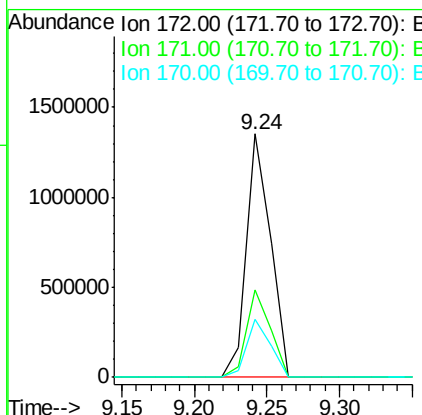
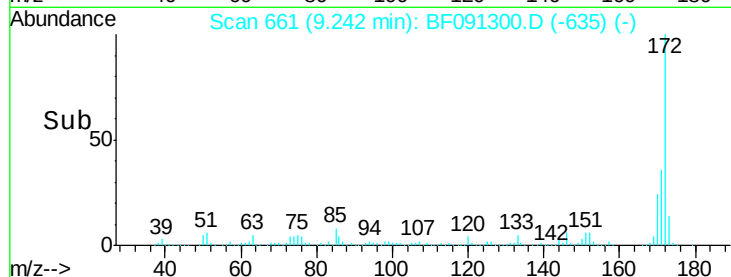


Tgt Ion:172 Resp: 1554789

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.0	19.7	29.5

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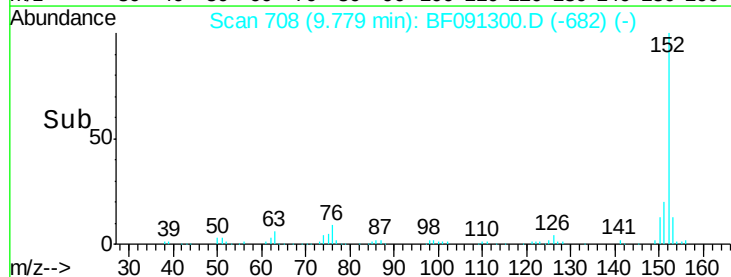
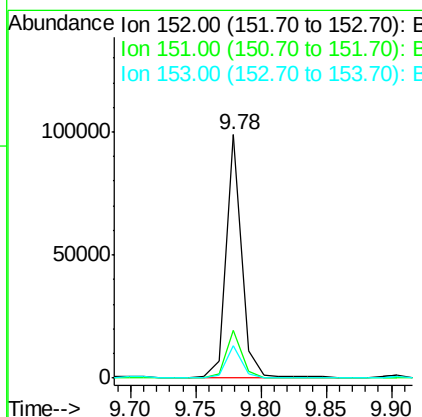
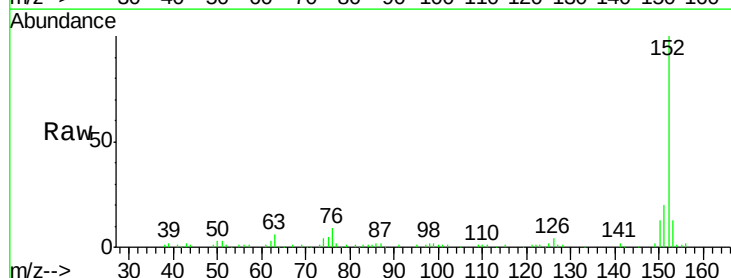
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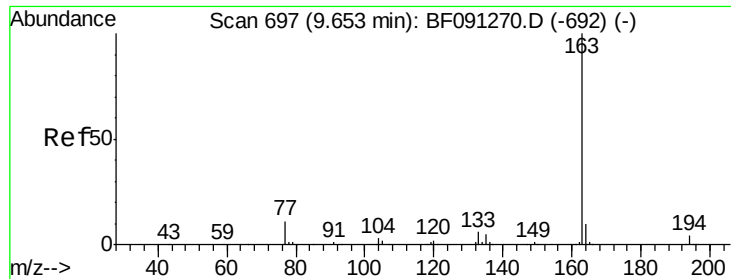


#48
 Acenaphthylene
 Concen: 2.69 ng
 RT: 9.78 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Tgt Ion:152 Resp: 83239

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	24.8
153	13.1	10.7	16.1





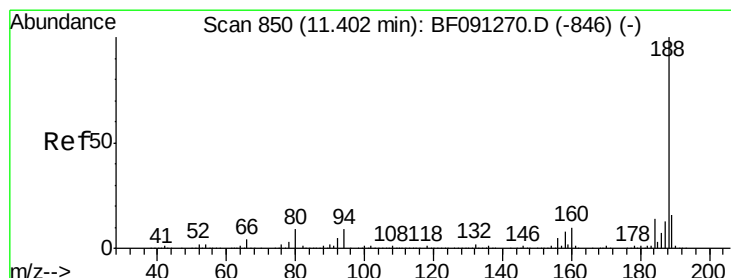
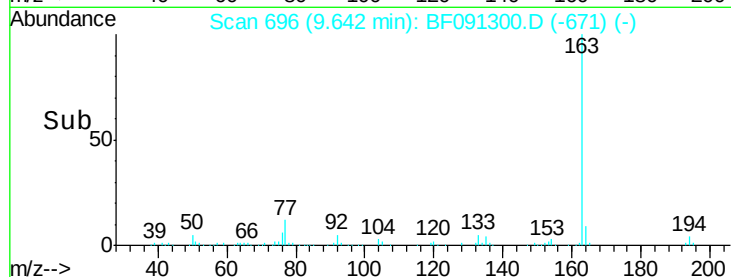
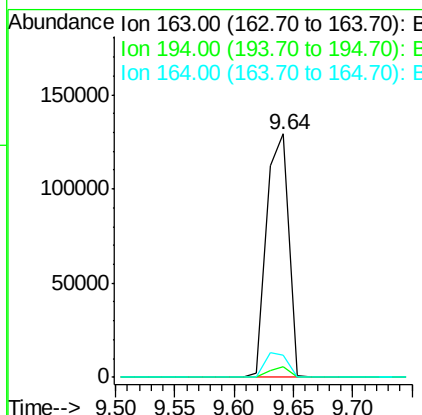
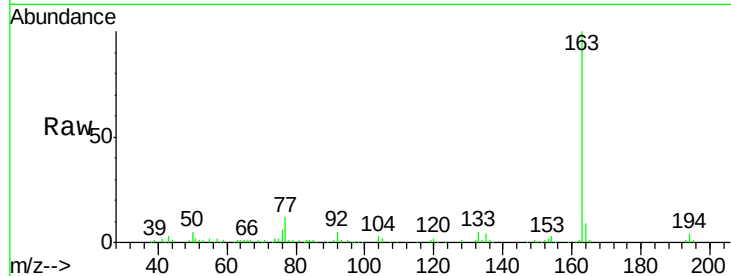
#49
Dimethylphthalate
Concen: 7.38 ng
RT: 9.64 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.4	3.0	4.4
164	9.0	7.8	11.8

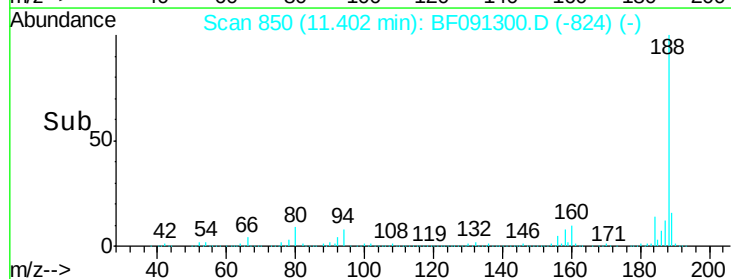
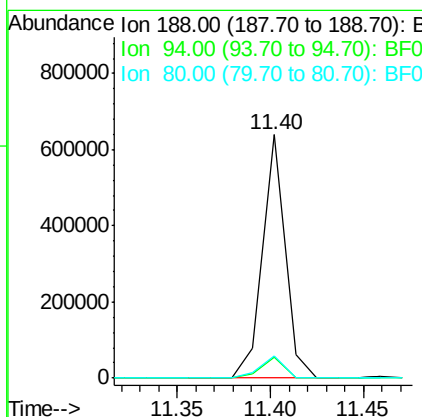
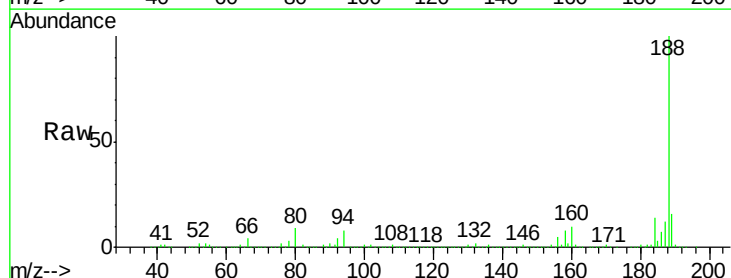
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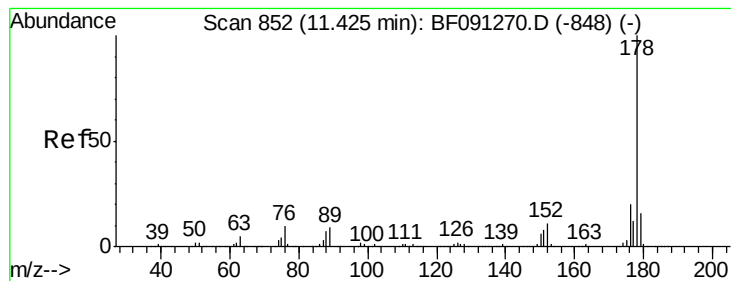
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.5	9.2	13.8#
80	8.9	10.5	15.7#





#70

Phenanthrene

Concen: 7.78 ng

RT: 11.42 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

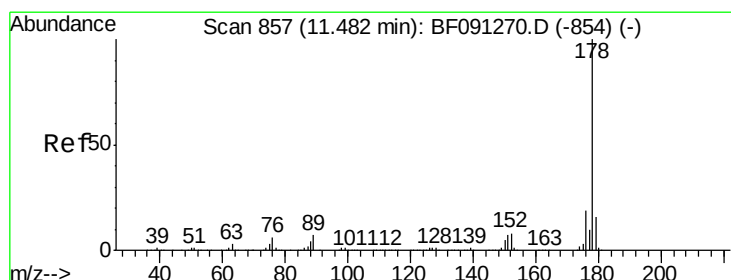
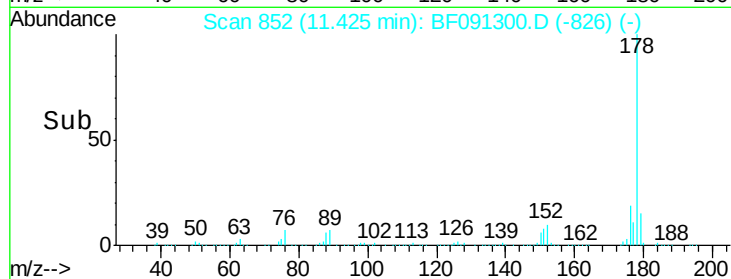
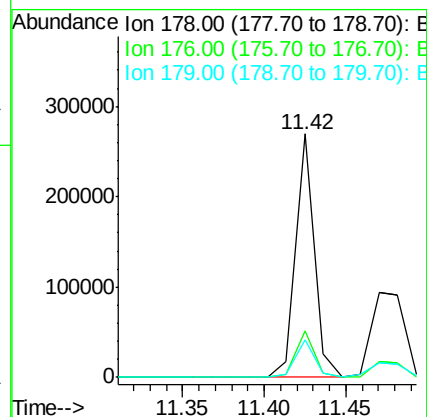
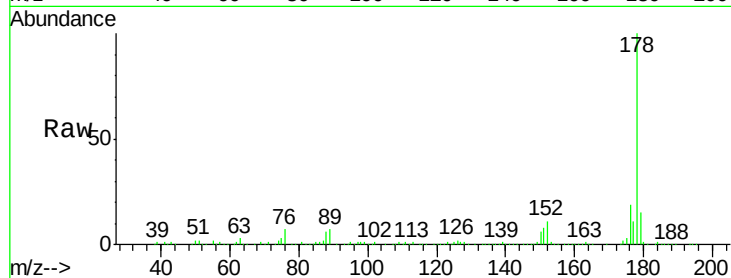
ClientSampleId :

GRID-MM4-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.4	12.6	18.8

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#71

Anthracene

Concen: 4.70 ng

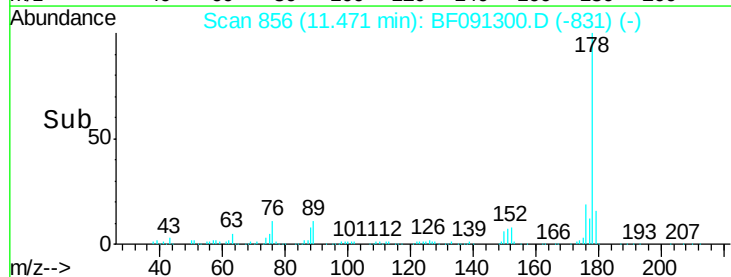
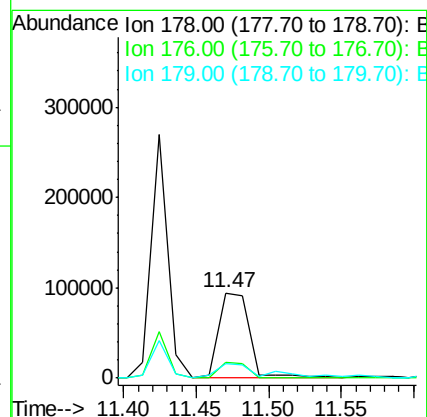
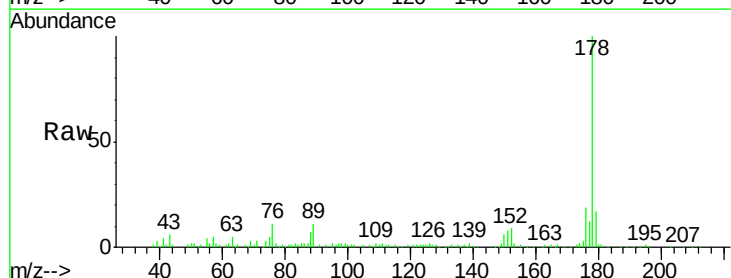
RT: 11.47 min Scan# 856

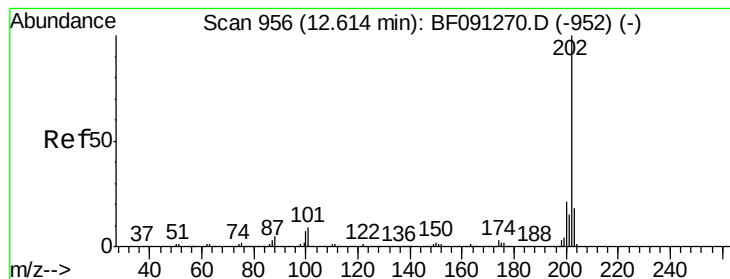
Delta R.T. -0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	16.6	12.7	19.1





#74

Fluoranthene

Concen: 23.52 ng

RT: 12.61 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

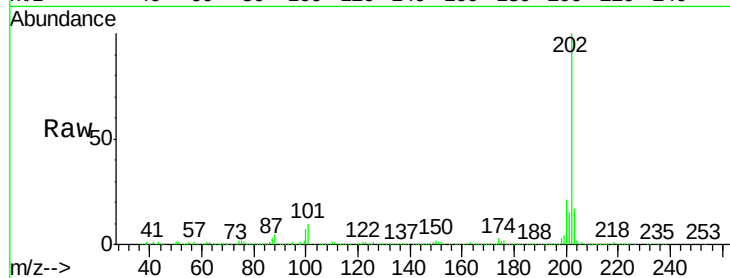
ClientSampled :

GRID-MM4-2

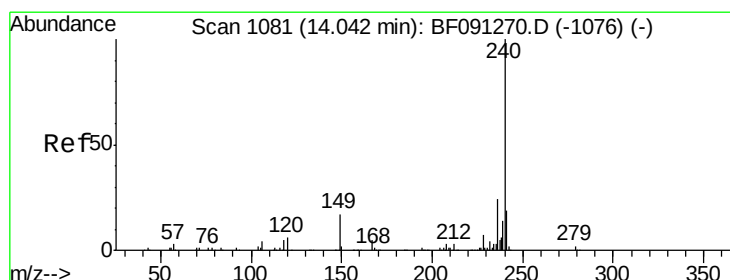
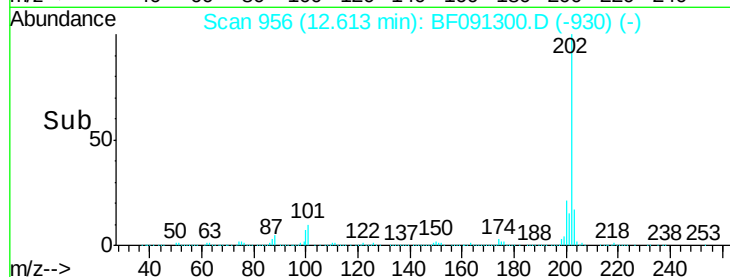
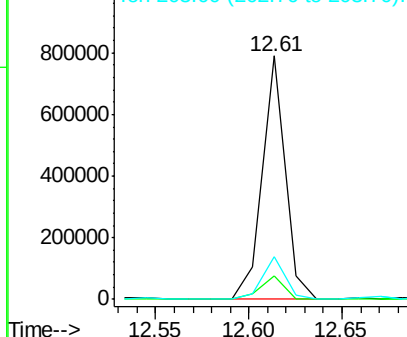
Tgt Ion:	202	Resp:	664246
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	29.5
203	17.4	0.0	37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

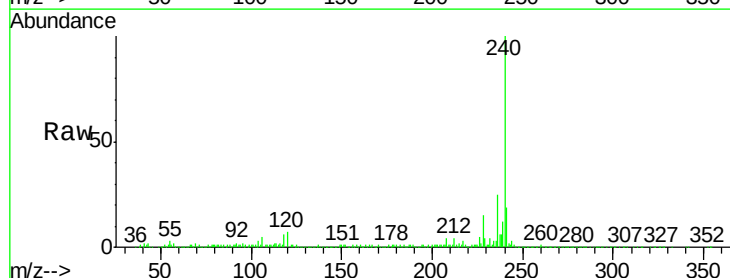
RT: 14.04 min Scan# 1081

Delta R.T. -0.00 min

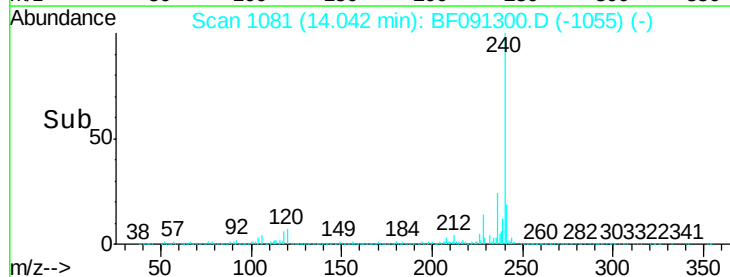
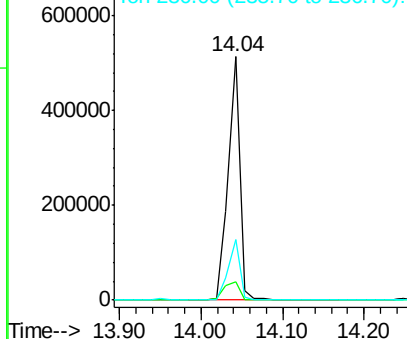
Lab File: BF091300.D

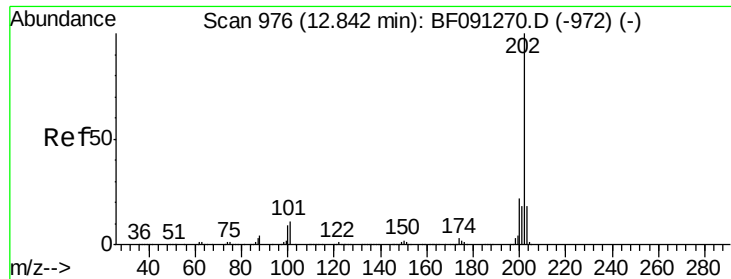
Acq: 24 Nov 2016 2:55

Tgt Ion:	240	Resp:	502313
Ion Ratio	Lower	Upper	
240	100		
120	7.3	12.1	18.1#
236	24.6	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 20.09 ng

RT: 12.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

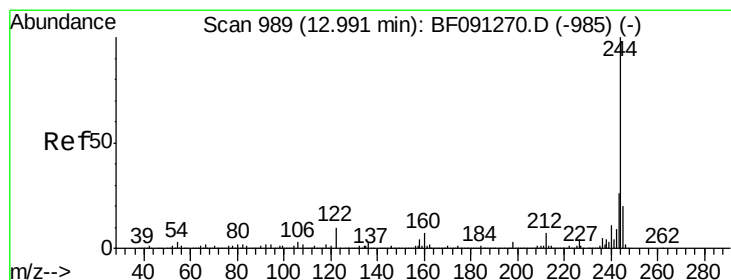
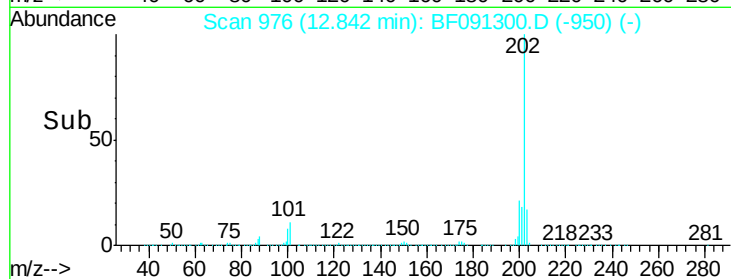
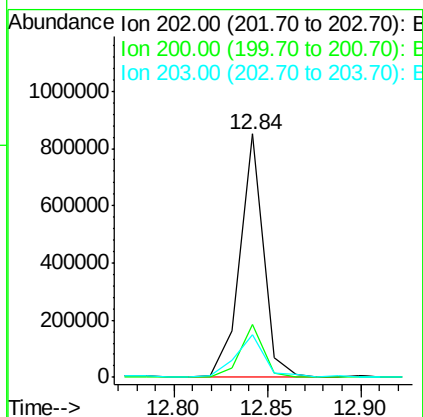
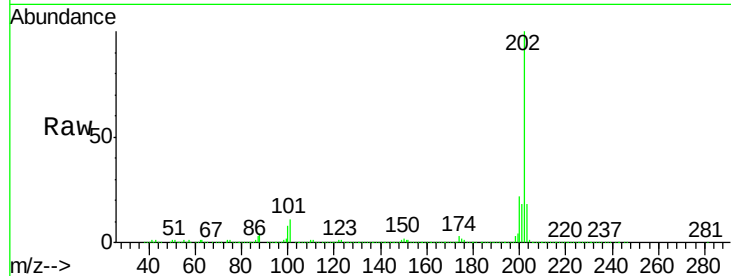
ClientSampleId :

GRID-MM4-2

Tgt Ion:	202	Resp:	745808
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.7	14.0	21.0

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#78

Terphenyl-d14

Concen: 54.15 ng

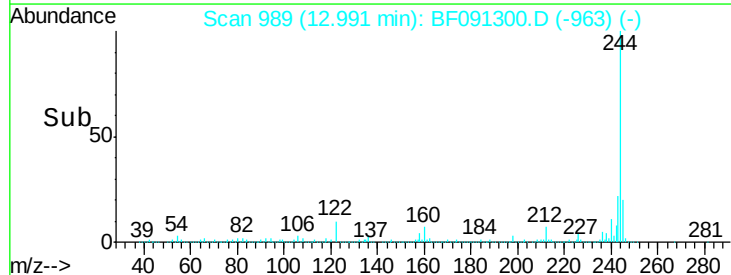
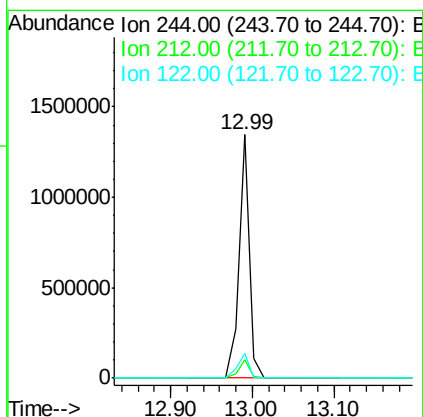
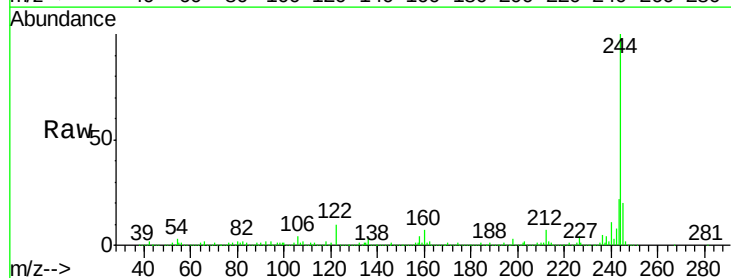
RT: 12.99 min Scan# 989

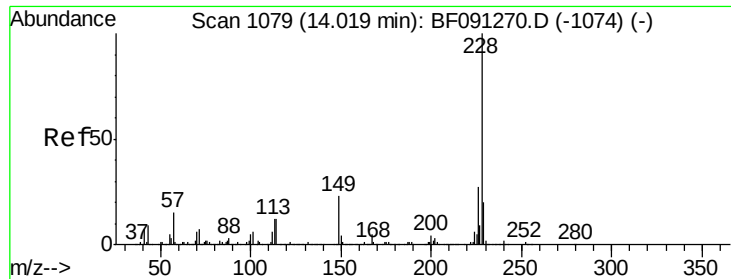
Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Tgt Ion:	244	Resp:	1191011
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.5	9.7
122	10.2	9.5	14.3





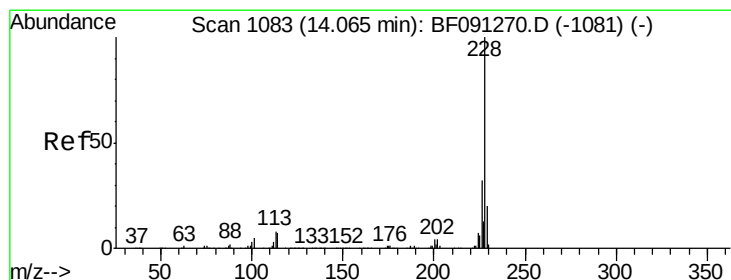
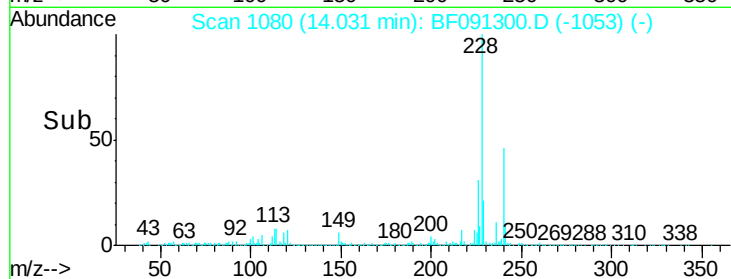
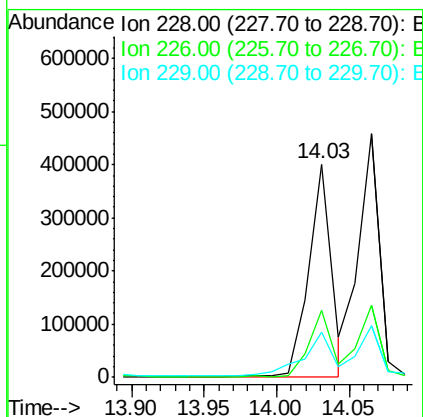
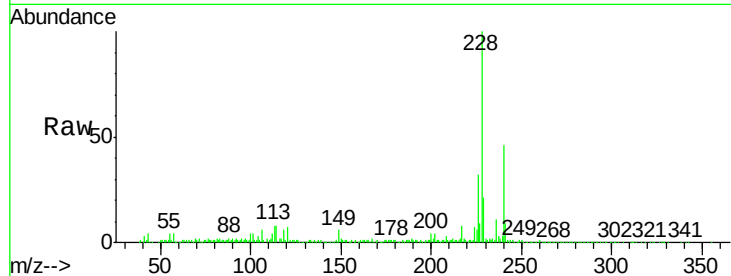
#80
Benzo(a)anthracene
Concen: 15.25 ng
RT: 14.03 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.5	33.7
229	20.9	16.4	24.6

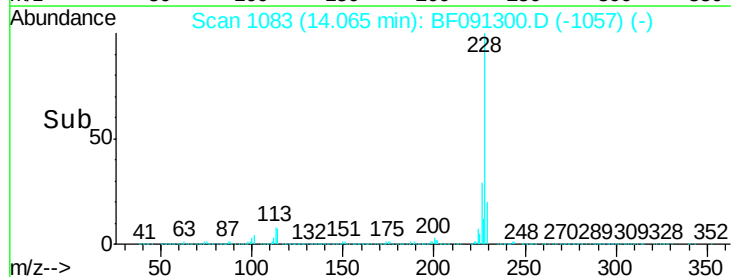
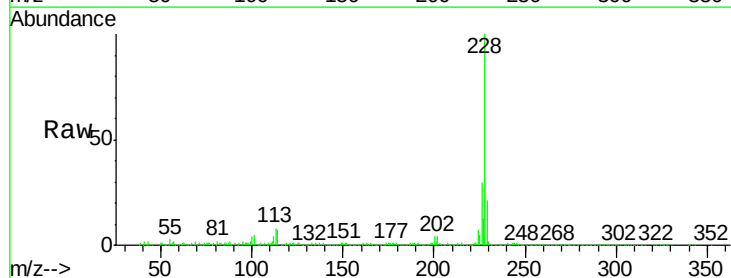
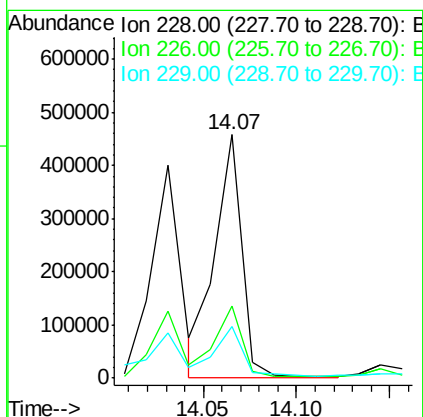
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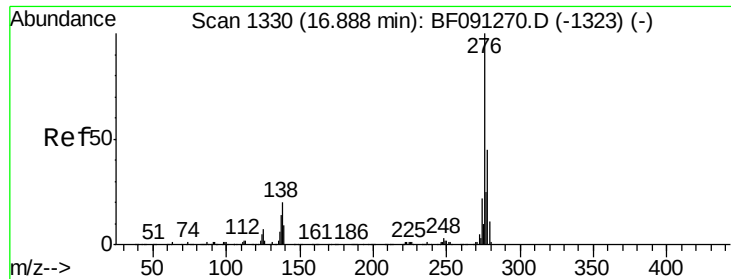
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#82
Chrysene
Concen: 17.02 ng
RT: 14.07 min Scan# 1083
Delta R.T. -0.00 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	21.2	16.0	24.0





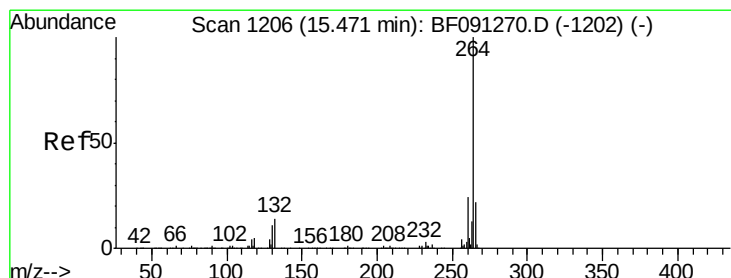
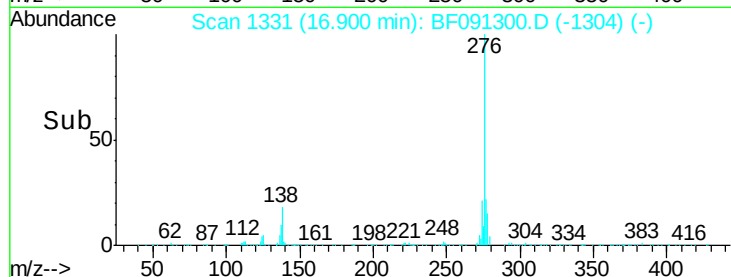
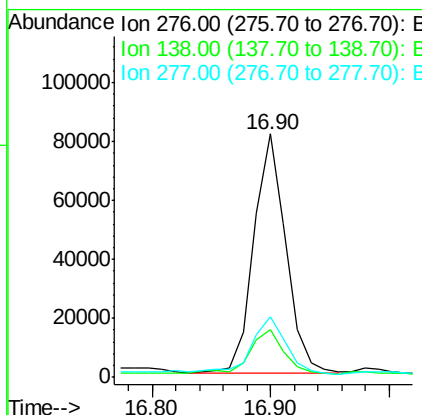
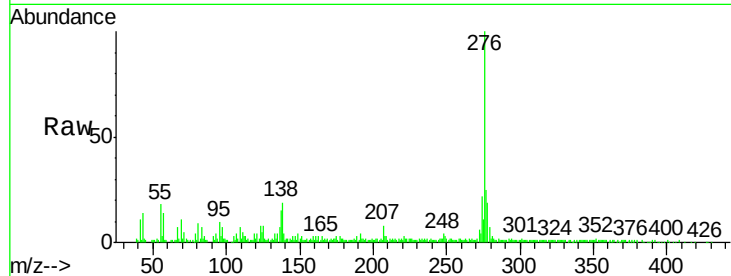
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.54 ng
 RT: 16.90 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	151739		
138	19.7	21.0	31.4#	
277	27.7	20.2	30.2	

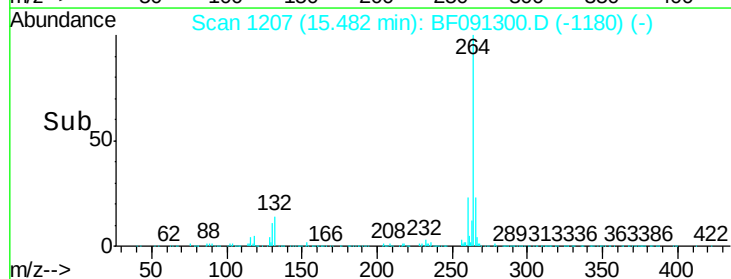
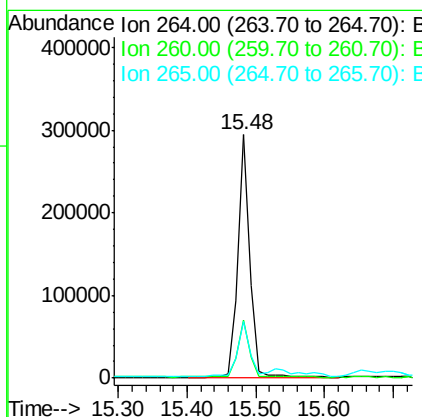
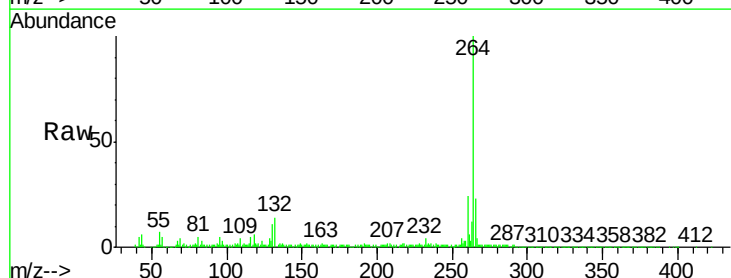
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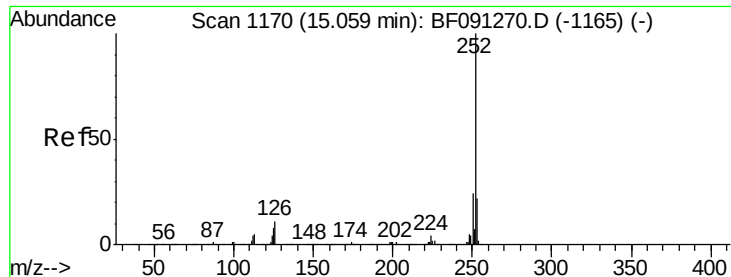
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	357873		
260	23.9	18.8	28.2	
265	23.2	17.0	25.6	





#87

Benzo(b)fluoranthene

Concen: 23.07 ng m

RT: 15.07 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

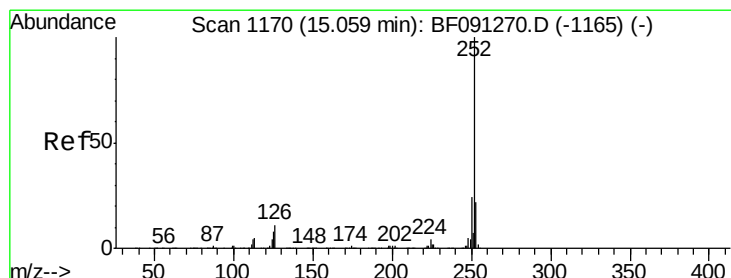
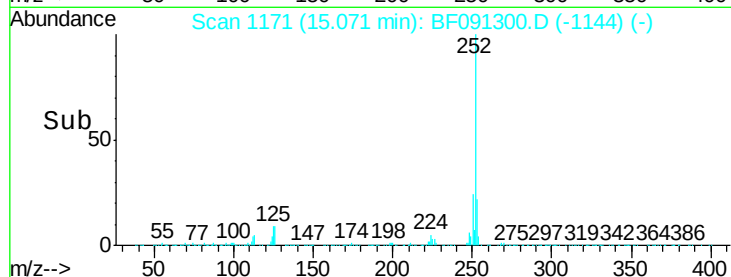
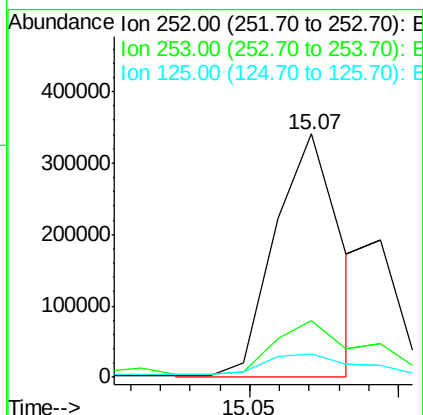
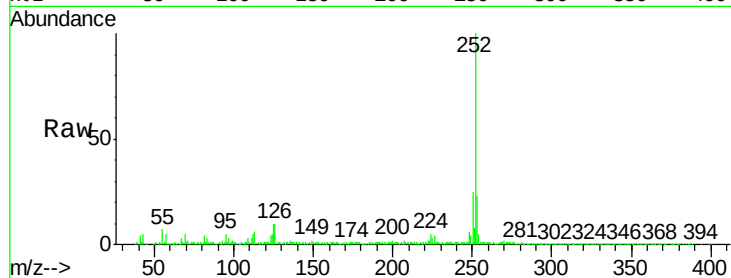
ClientSampleId :

GRID-MM4-2

Tgt Ion:	252	Resp:	520788
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	9.7	8.6	13.0

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#88

Benzo(k)fluoranthene

Concen: 8.69 ng m

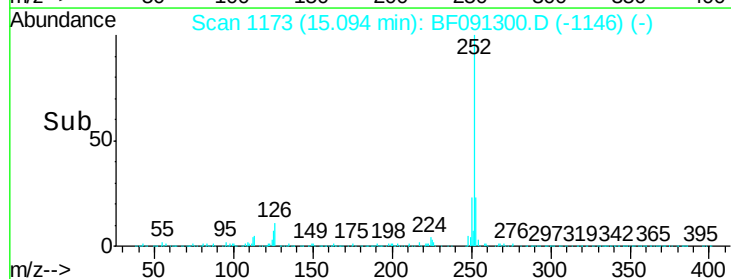
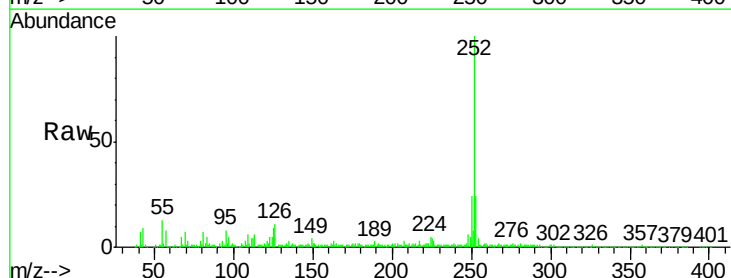
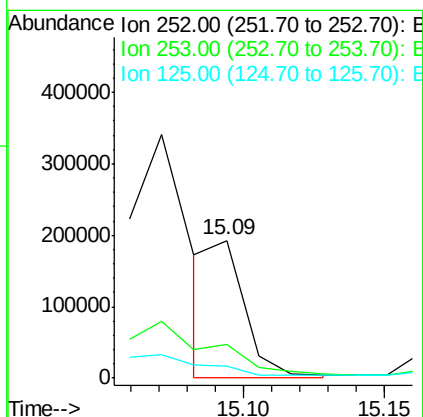
RT: 15.09 min Scan# 1173

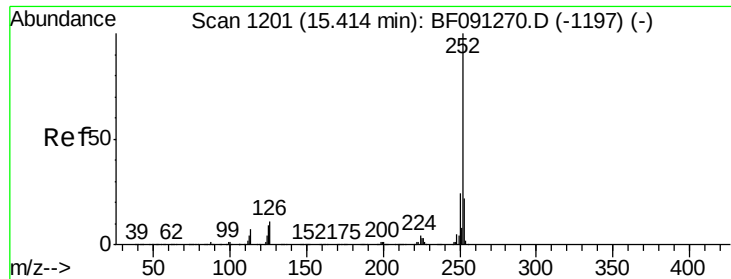
Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Tgt Ion:	252	Resp:	160302
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.8
125	9.1	9.6	14.4#





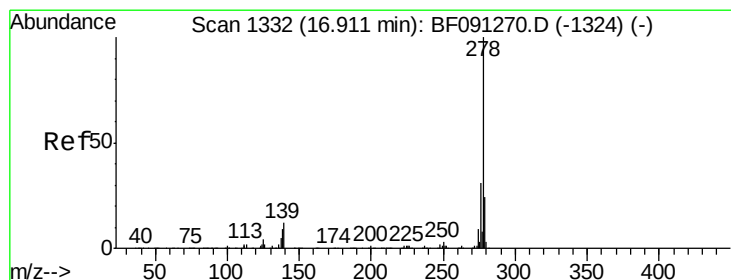
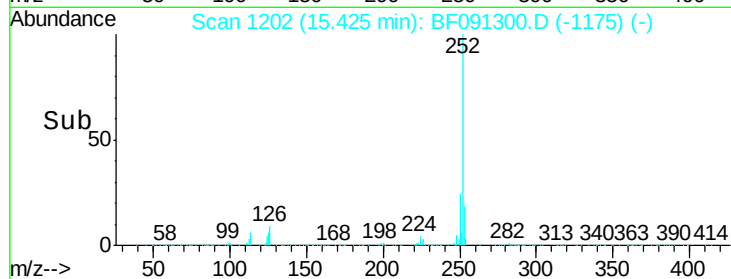
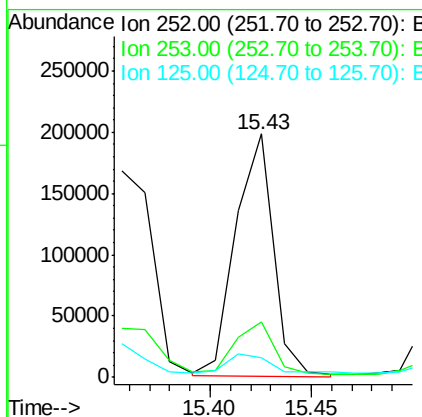
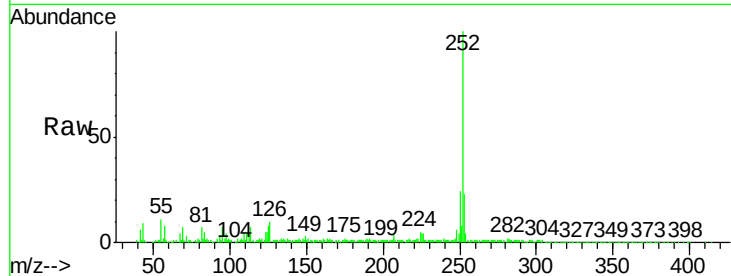
#89
Benzo(a)pyrene
Concen: 13.49 ng m
RT: 15.43 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	18.2	27.4
125	8.0	10.4	15.6

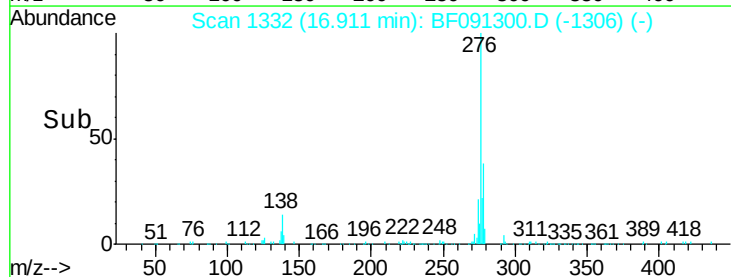
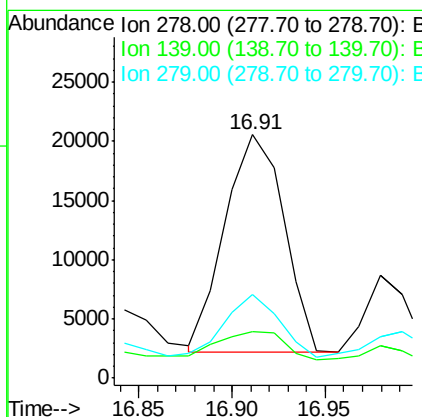
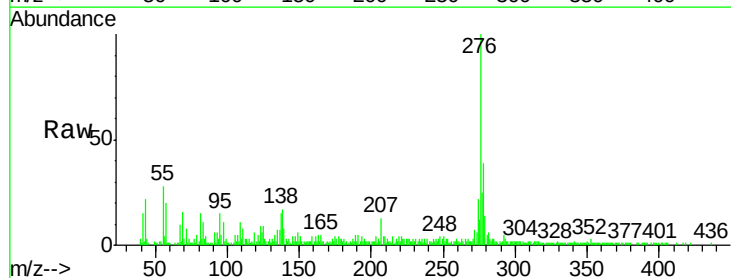
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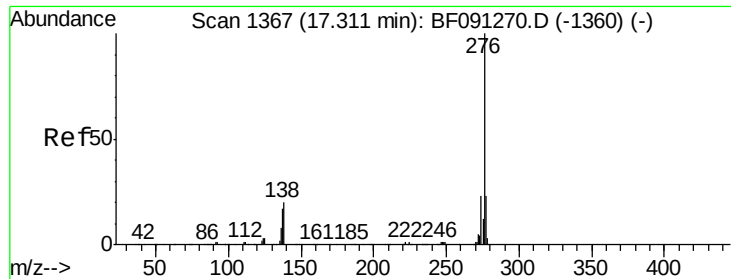
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#90
Dibenzo(a,h)anthracene
Concen: 2.30 ng
RT: 16.91 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	19.3	15.1	22.7
279	34.6	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 8.04 ng
 RT: 17.32 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.4
138	20.0	15.4	23.0

Manual Integrations
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