

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091407.D
 Acq On : 2 Dec 2016 23:33
 Operator : UM/SJ
 Sample : H5760-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-5

Manual Integrations
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Quant Time: Dec 03 02:48:12 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	214523	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	851607	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	484851	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	717081	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	528498	20.00	ng	-0.03
86) Perylene-d12	15.44	264	450721	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1283333	97.73	ng	0.00
7) Phenol-d6	6.49	99	1643777	101.69	ng	0.00
23) Nitrobenzene-d5	7.43	82	1220933	80.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	420154	91.53	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1797708	67.13	ng	-0.02
78) Terphenyl-d14	12.97	244	1545088	63.54	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.50	94	131075	6.89	ng	100
49) Dimethylphthalate	9.61	163	129098	4.40	ng	98
74) Fluoranthene	12.59	202	161585	4.58	ng	98
77) Pyrene	12.81	202	159887	3.99	ng	98
80) Benzo(a)anthracene	14.00	228	111800	3.62	ng	99
82) Chrysene	14.04	228	173429	5.67	ng	97
87) Benzo(b)fluoranthene	15.03	252	112072m	4.00	ng	
88) Benzo(k)fluoranthene	15.04	252	54223m	2.30	ng	
89) Benzo(a)pyrene	15.39	252	57783m	2.30	ng	

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

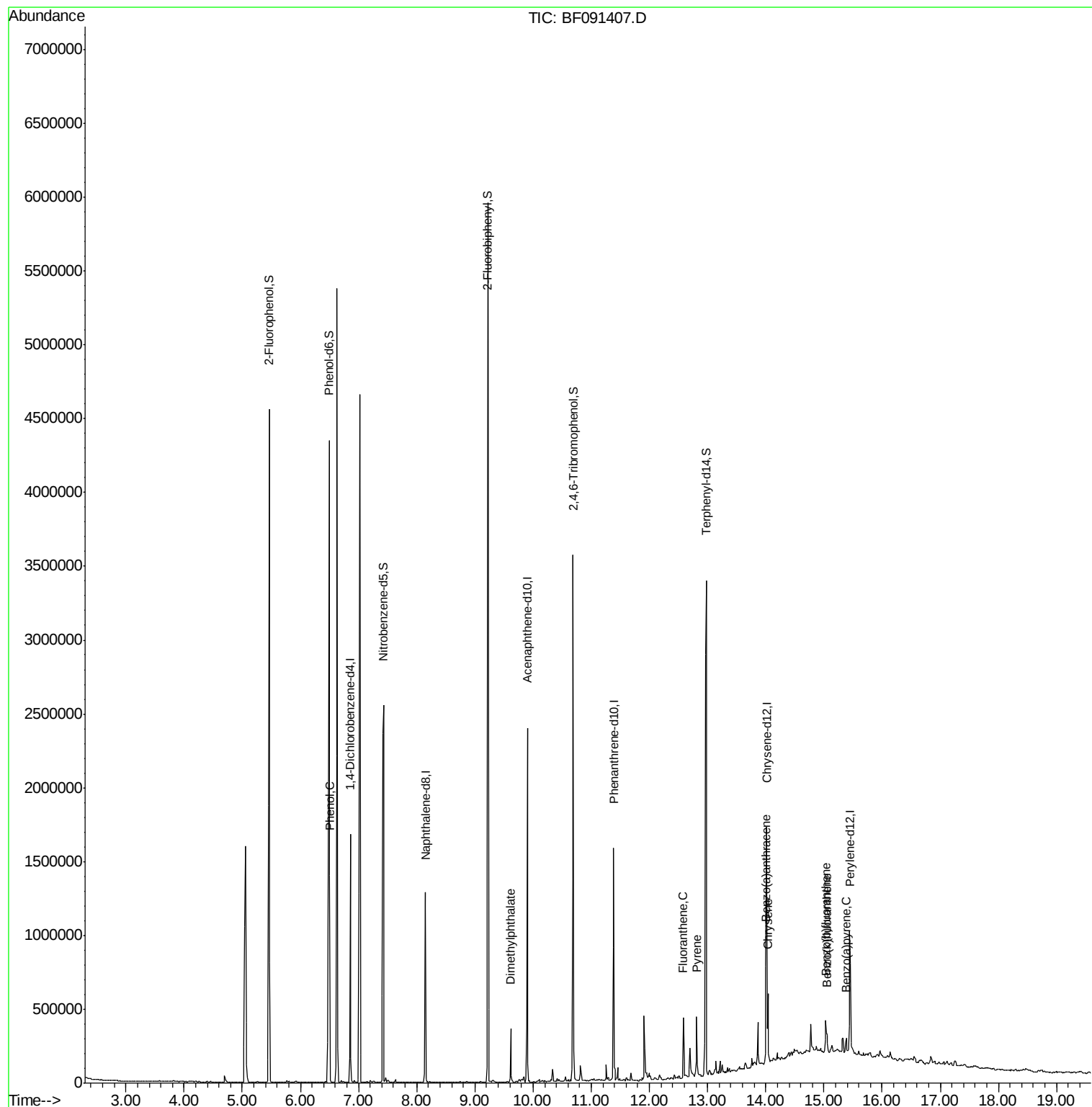
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091407.D
Acq On : 2 Dec 2016 23:33
Operator : UM/SJ
Sample : H5760-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
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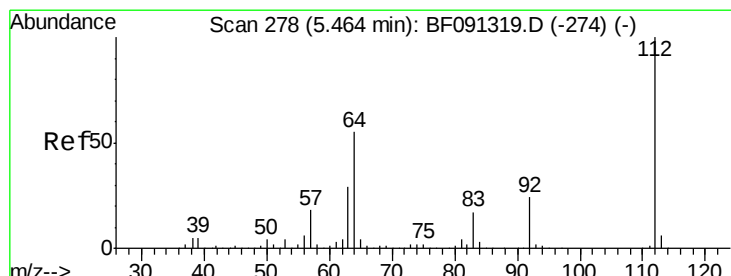
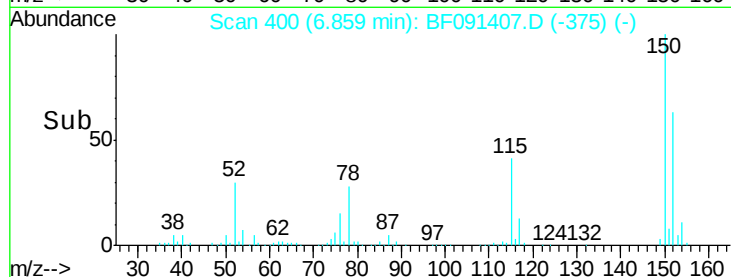
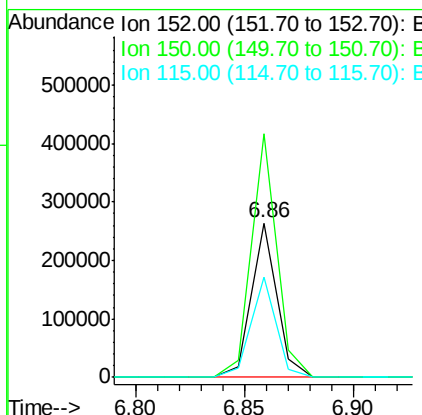
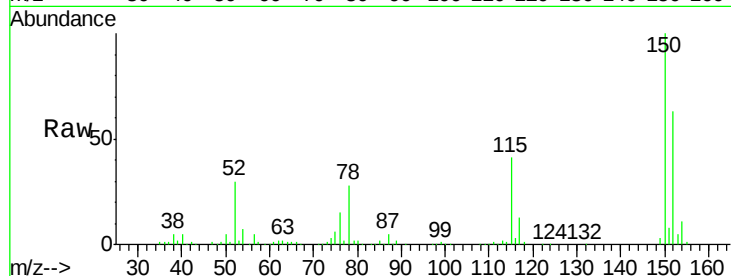
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.5	183.7
115	65.0	51.8	77.8

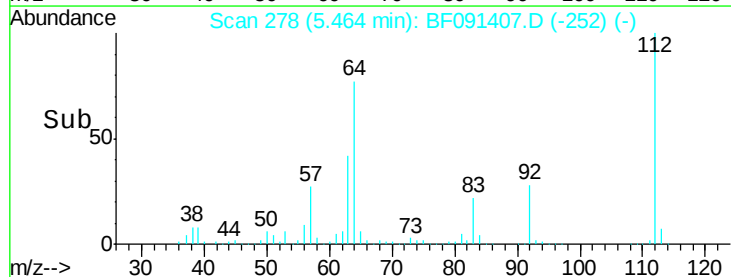
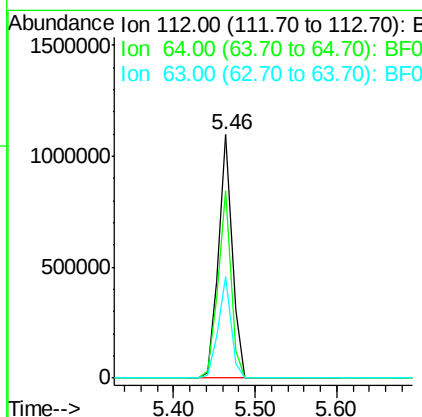
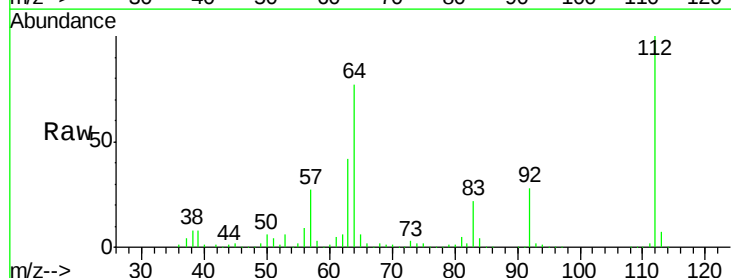
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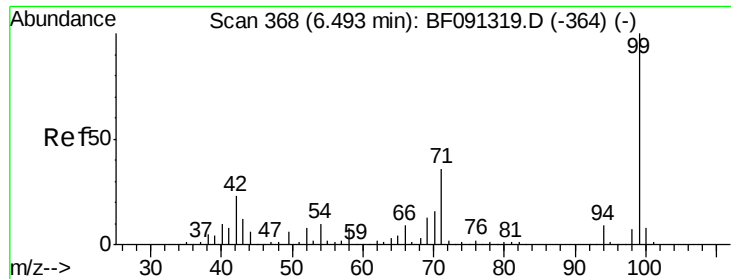
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#5
 2-Fluorophenol
 Concen: 97.73 ng
 RT: 5.46 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.1	61.5	92.3
63	41.7	33.3	49.9





#7

Phenol-d6

Concen: 101.69 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

Tgt Ion: 99 Resp: 1643777

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

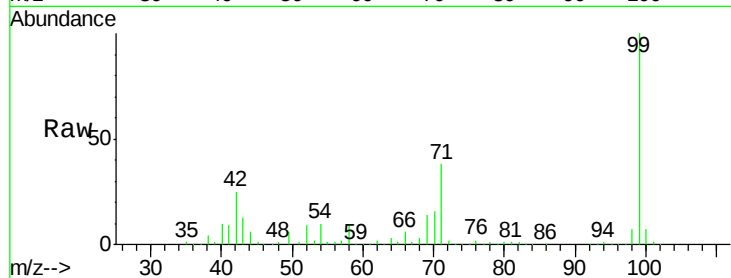
71 38.2 29.9 44.9

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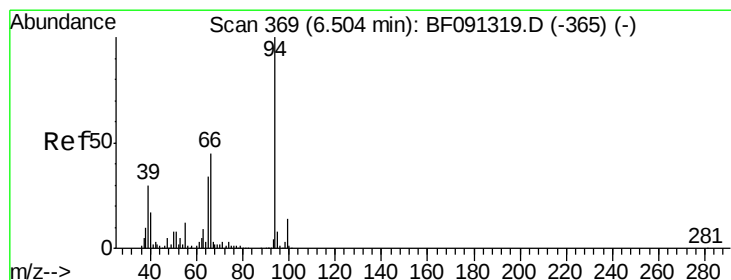
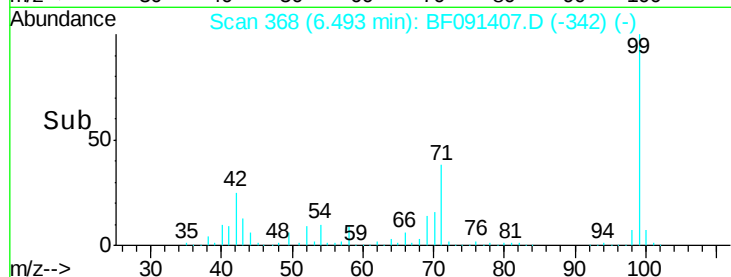
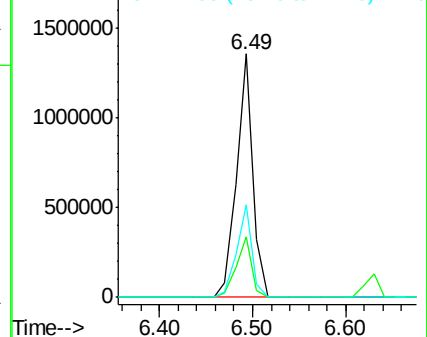
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.89 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

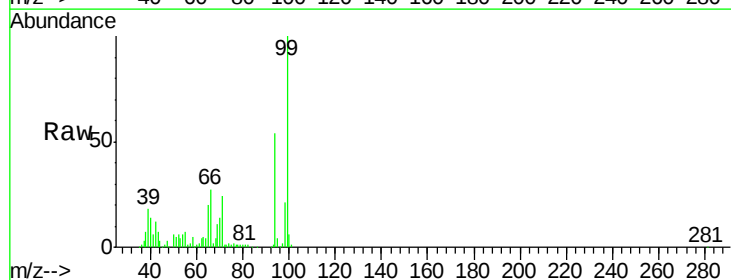
Tgt Ion: 94 Resp: 131075

Ion Ratio Lower Upper

94 100

65 37.2 16.9 56.9

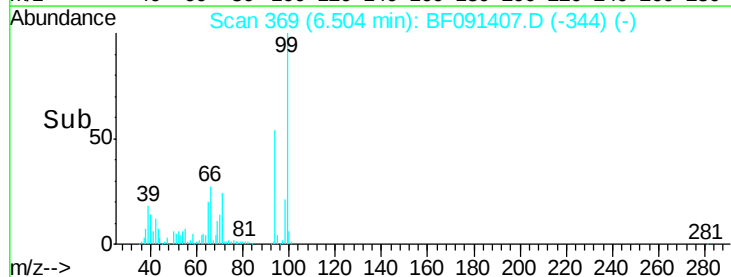
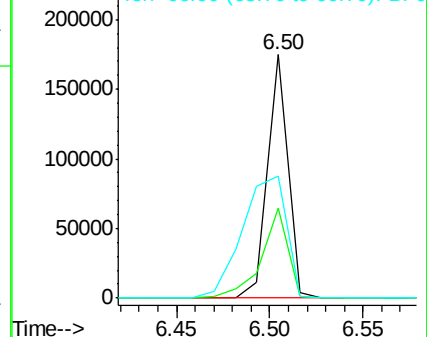
66 50.3 30.6 70.6



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: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

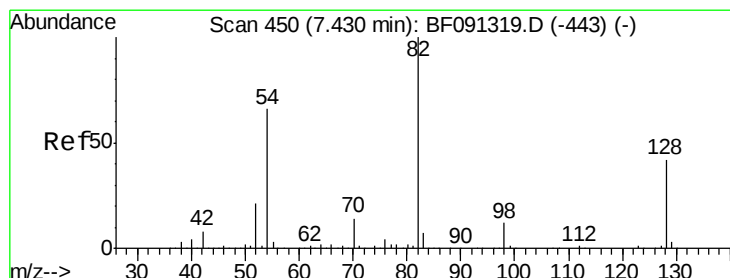
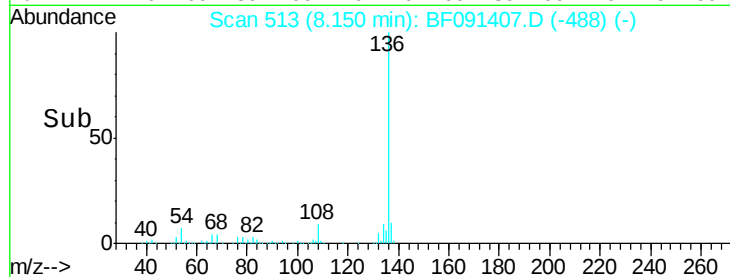
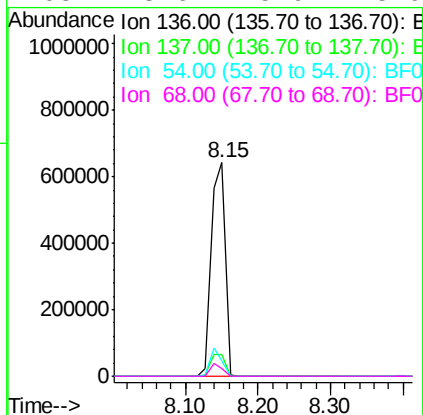
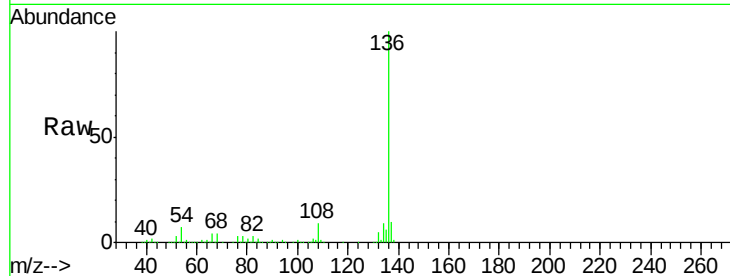
ClientSampleId :

GRID-MM4-5

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	7.1	9.1	13.7#
68	3.6	5.9	8.9#

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#23

Nitrobenzene-d5

Concen: 80.34 ng

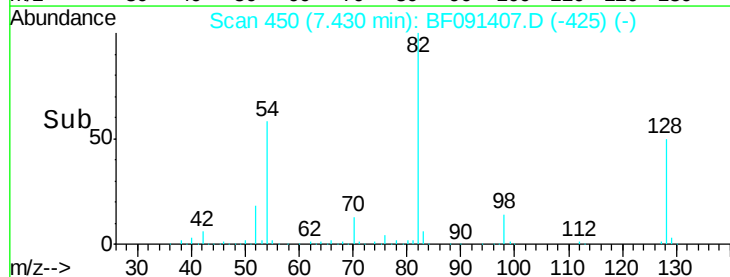
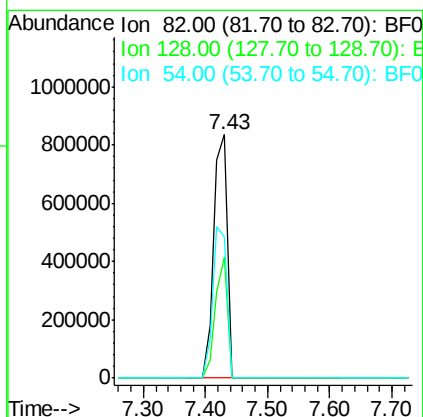
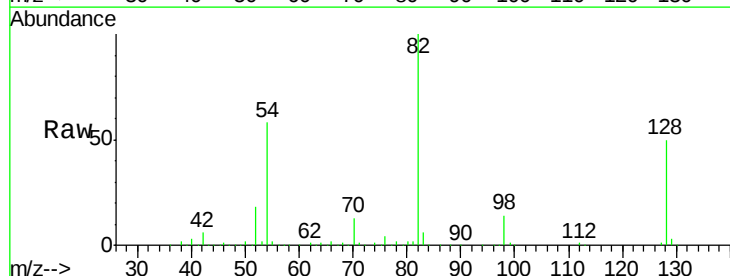
RT: 7.43 min Scan# 450

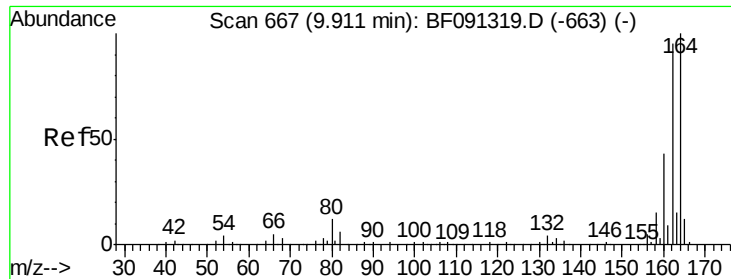
Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.7	31.8	47.6#
54	57.8	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: BF091407.D

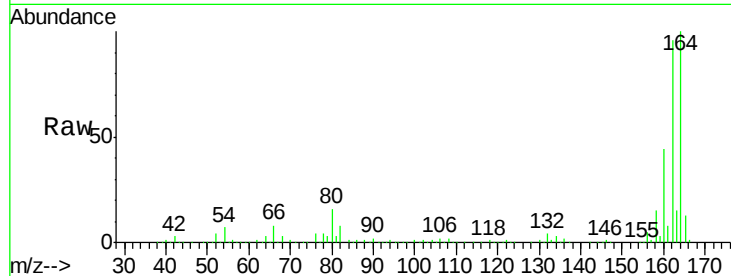
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Instrument :

BNA_F

ClientSampleId :

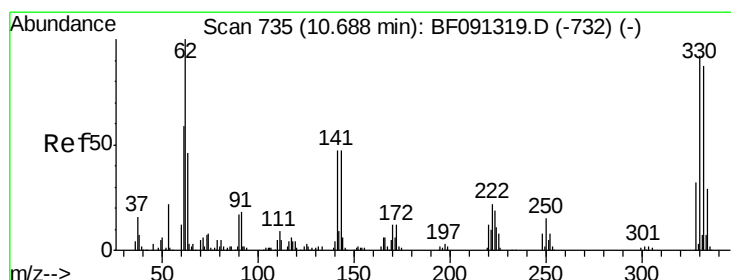
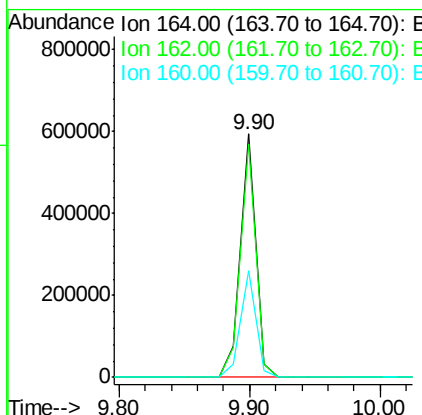
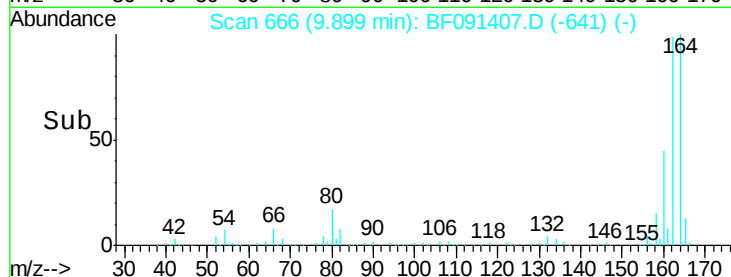
GRID-MM4-5



Tgt Ion:	164	Resp:	484851
Ion Ratio	Lower	Upper	
164	100		
162	96.1	82.6	124.0
160	43.7	36.7	55.1

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#41

2,4,6-Tribromophenol

Concen: 91.53 ng

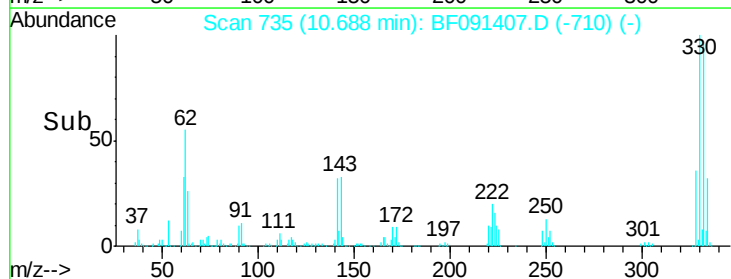
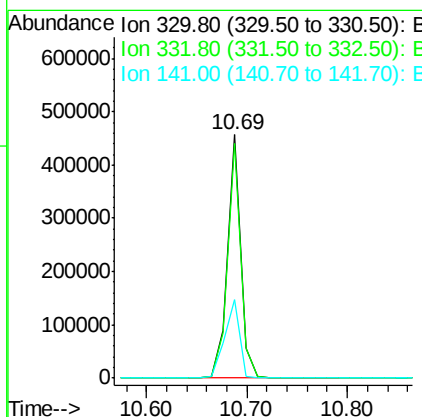
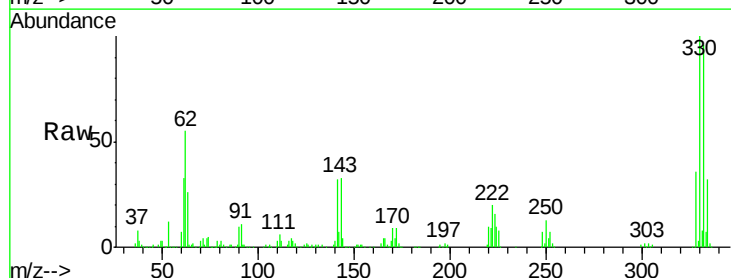
RT: 10.69 min Scan# 735

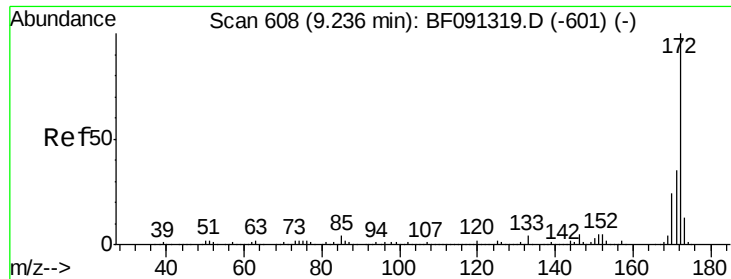
Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Tgt Ion:	330	Resp:	420154
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.2	114.4
141	36.2	33.6	50.4





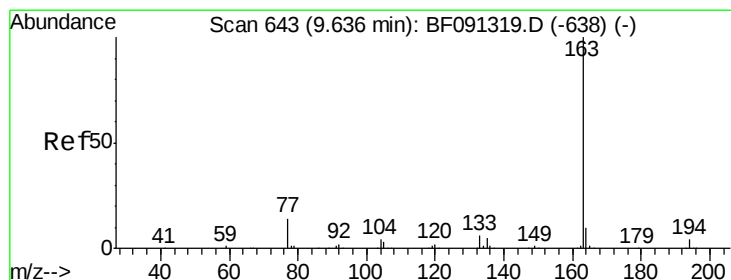
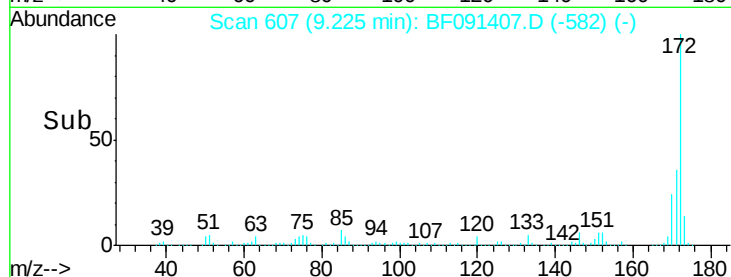
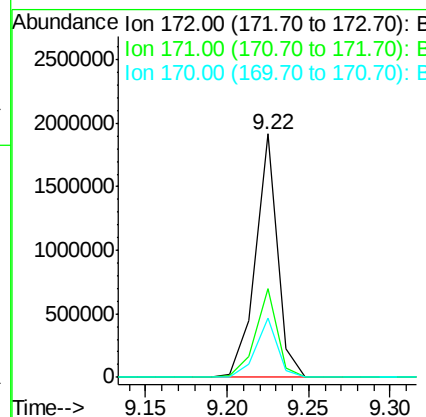
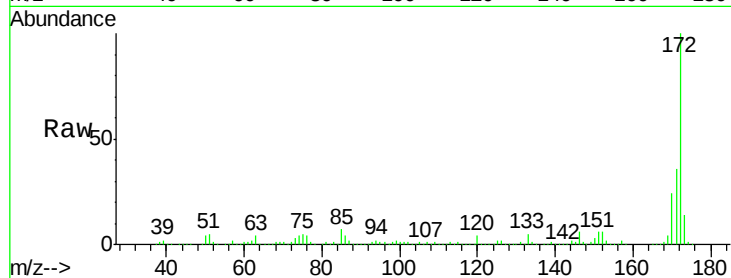
#44
2-Fluorobiphenyl
Concen: 67.13 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

Tgt Ion:172 Resp: 1797708
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.2 19.7 29.5

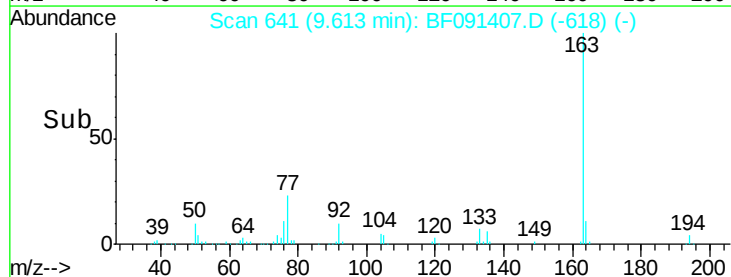
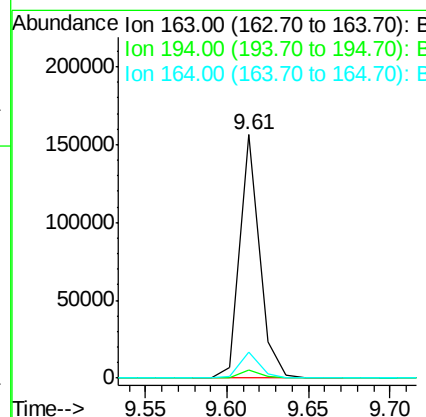
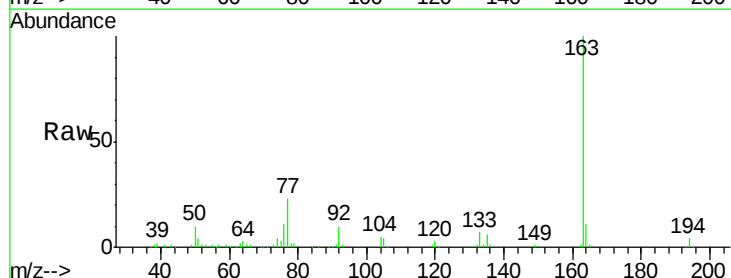
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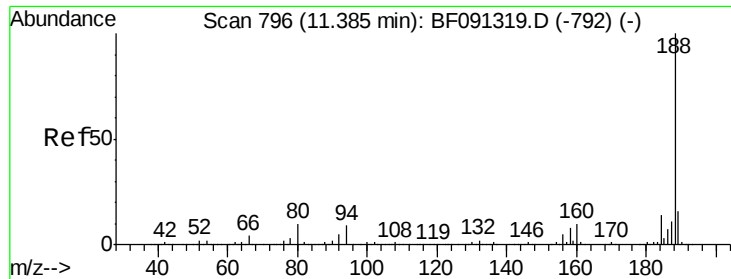
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#49
Dimethylphthalate
Concen: 4.40 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.04 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion:163 Resp: 129098
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.6 7.8 11.8





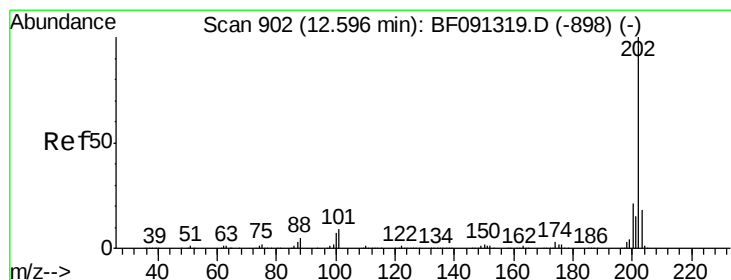
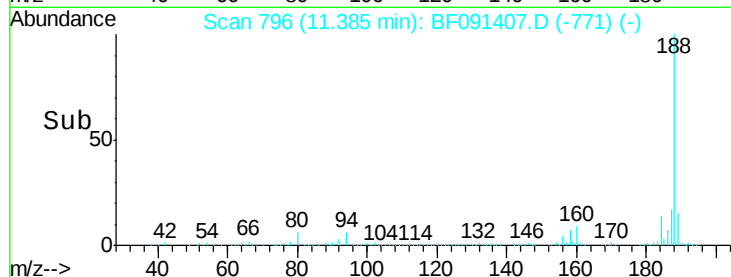
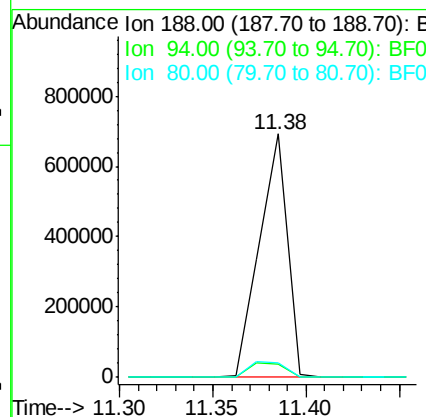
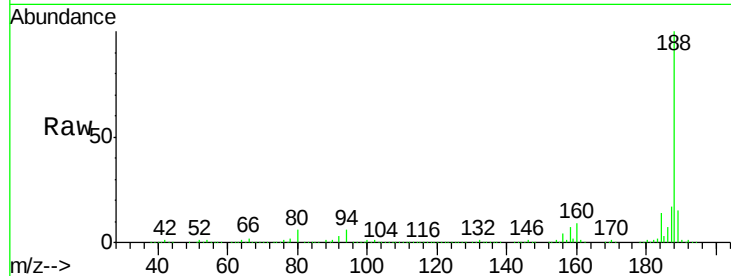
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Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.6	9.2	13.8#
80	5.9	10.5	15.7#

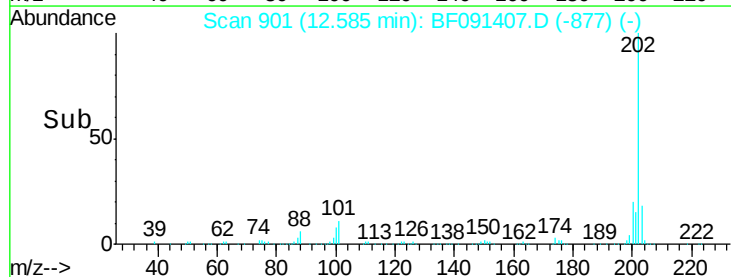
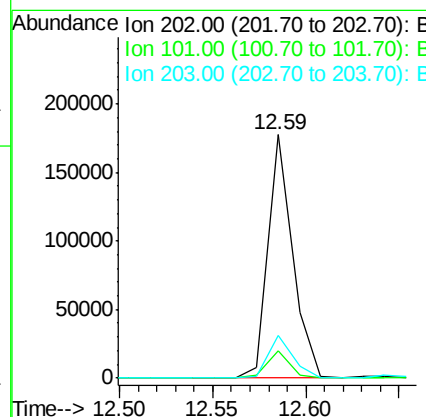
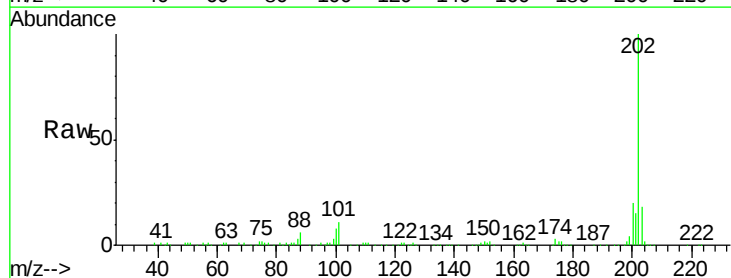
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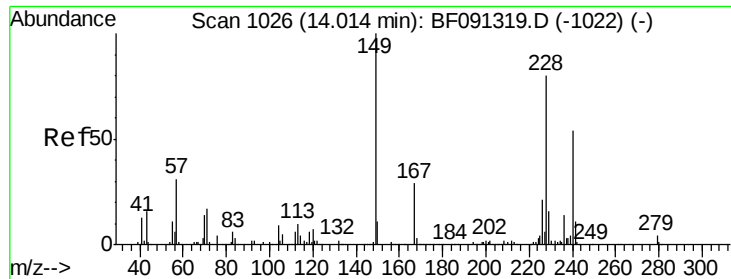
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#74
Fluoranthene
Concen: 4.58 ng
RT: 12.59 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.0	0.0	29.5
203	17.7	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

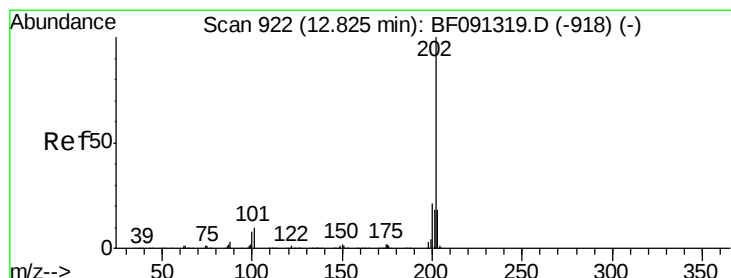
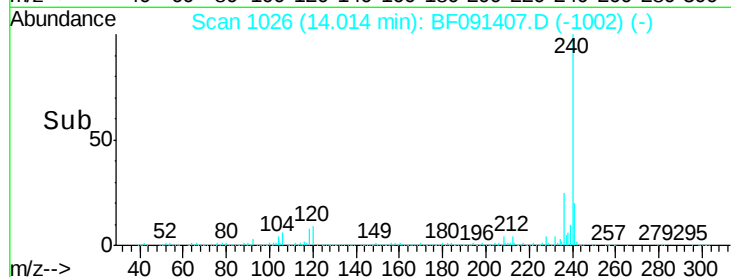
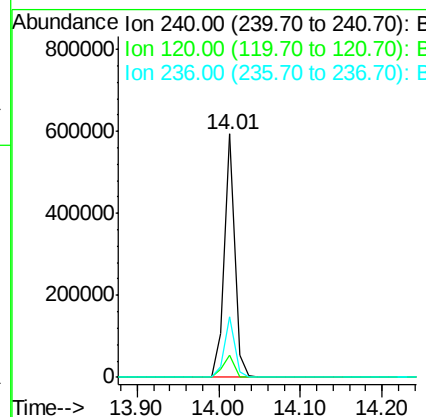
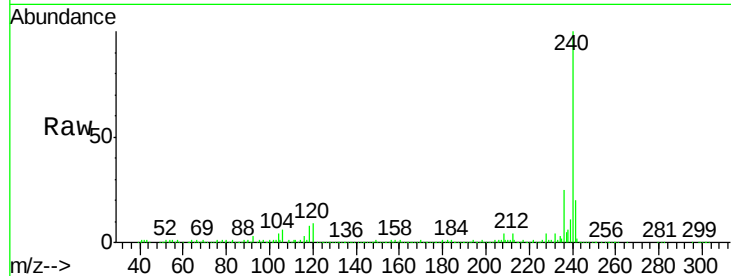
ClientSampleId :

GRID-MM4-5

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	528498		
120	9.2	12.1	18.1	#
236	25.0	21.0	31.6	

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#77

Pyrene

Concen: 3.99 ng

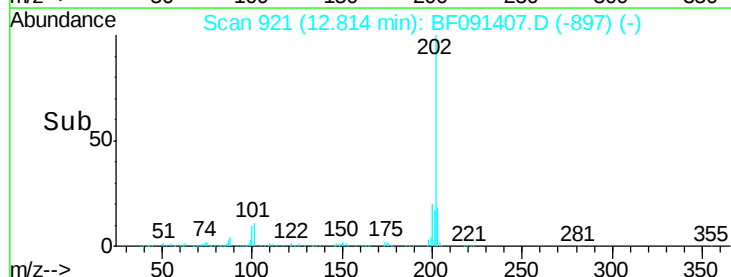
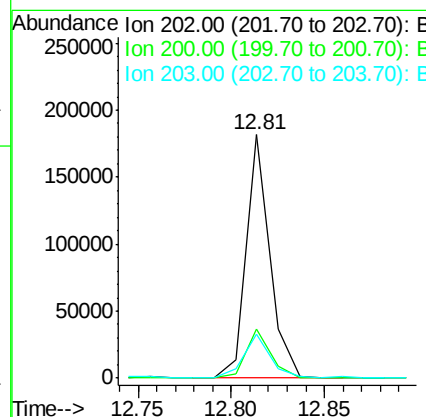
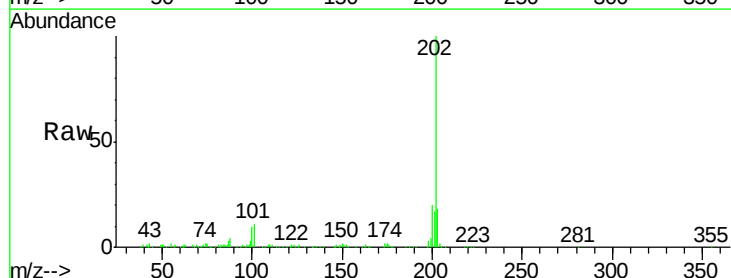
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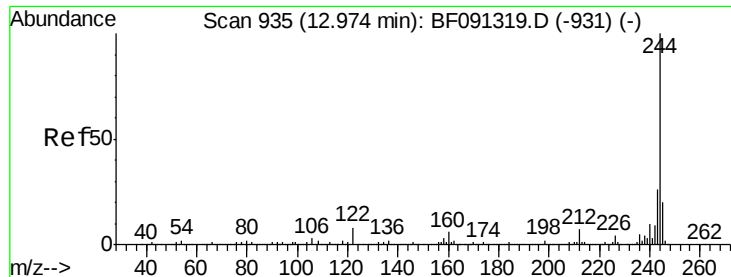
Delta R.T. -0.03 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	159887		
200	20.4	17.6	26.4	
203	18.0	14.0	21.0	





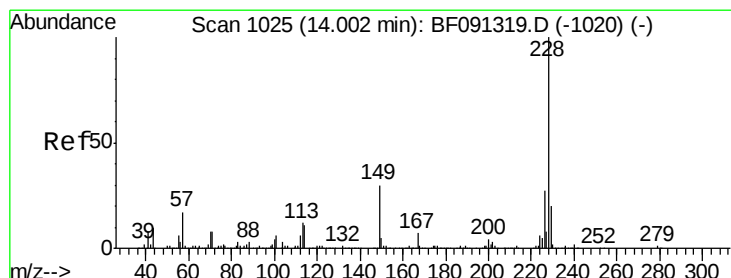
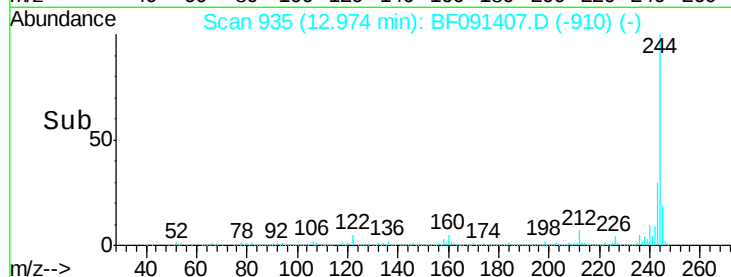
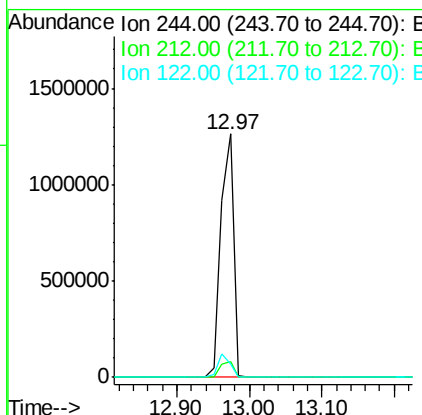
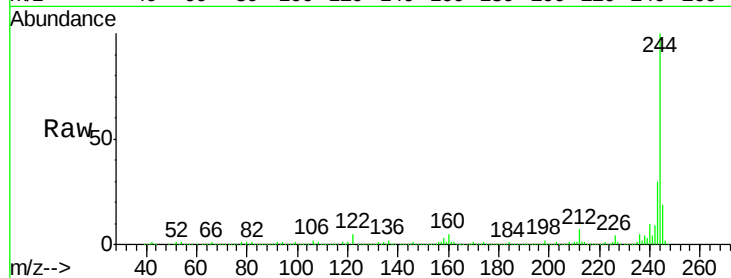
#78
 Terphenyl-d14
 Concen: 63.54 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-5

Tgt Ion:244 Resp: 1545088
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7
 122 5.2 9.5 14.3#

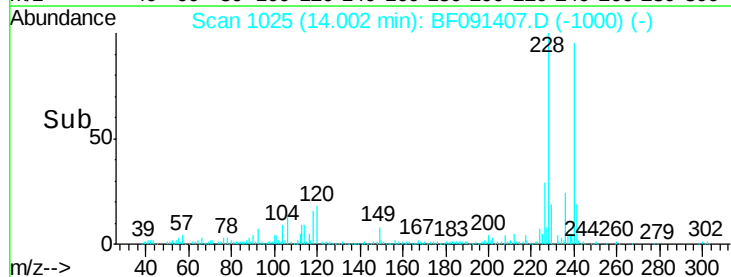
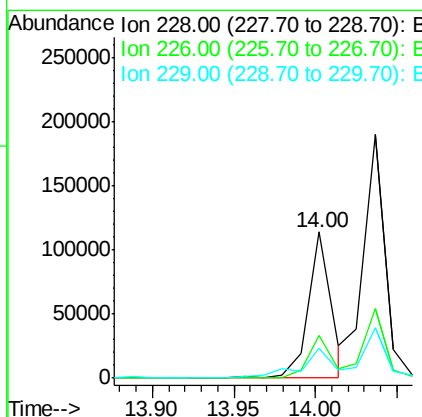
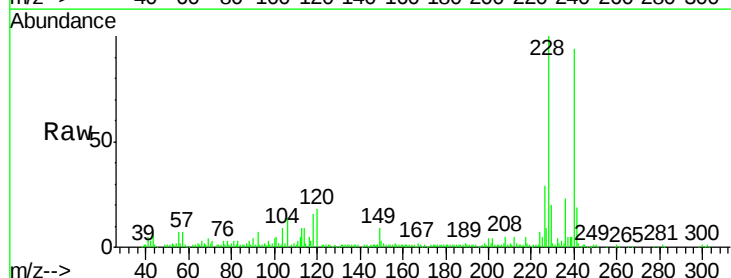
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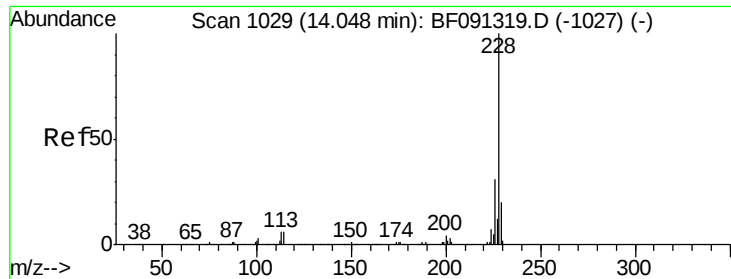
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#80
 Benzo(a)anthracene
 Concen: 3.62 ng
 RT: 14.00 min Scan# 1025
 Delta R.T. -0.02 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Tgt Ion:228 Resp: 111800
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.5 33.7
 229 20.2 16.4 24.6





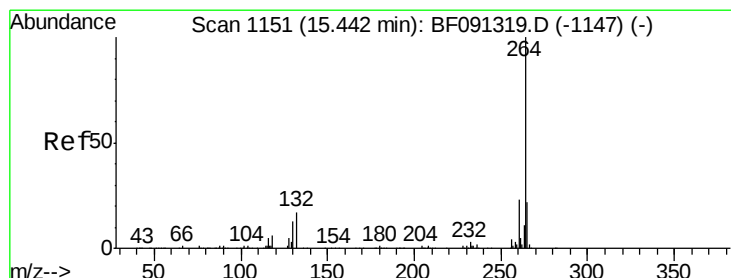
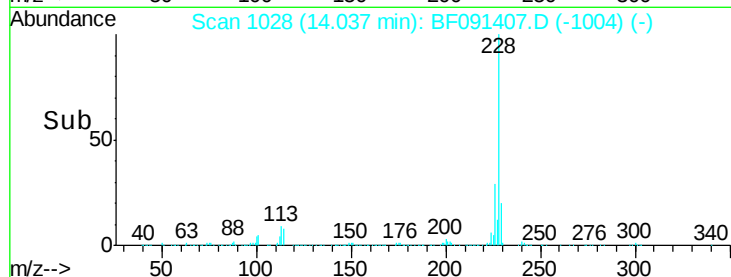
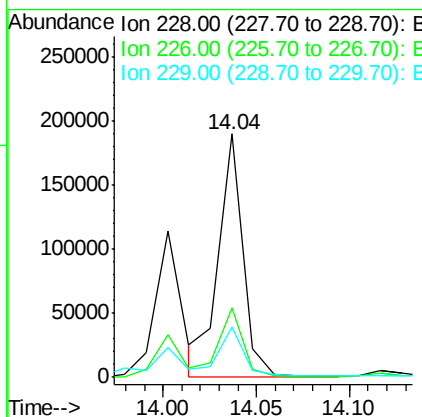
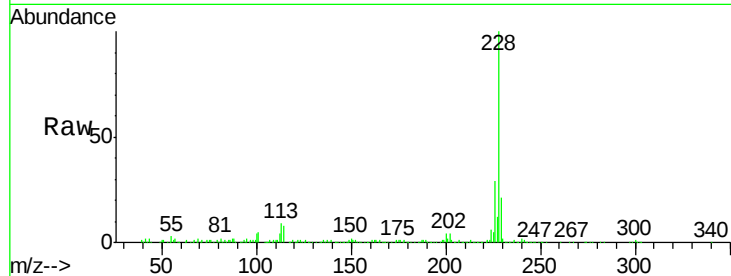
#82
Chrysene
Concen: 5.67 ng
RT: 14.04 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.4
229	20.6	16.0	24.0

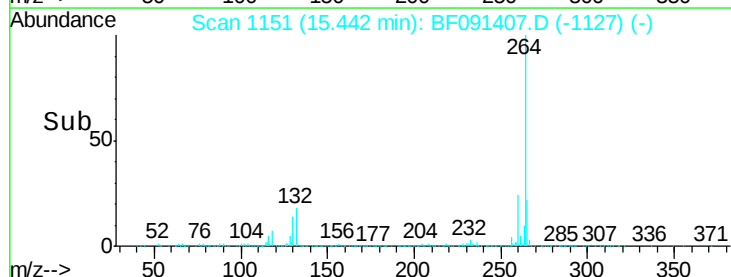
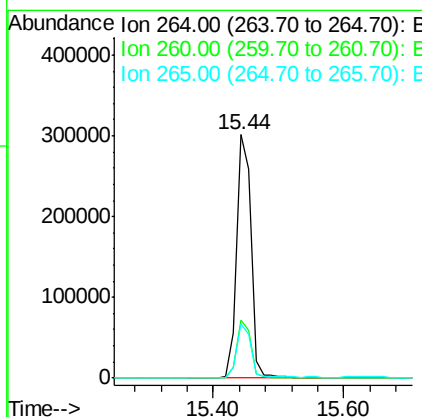
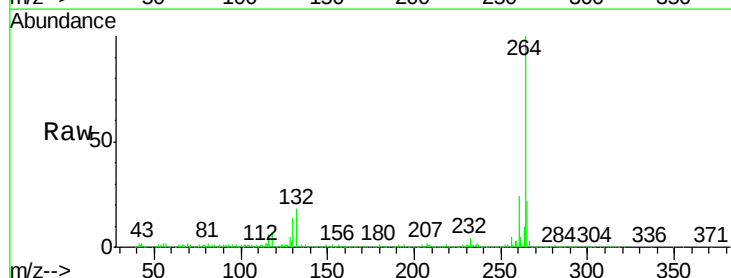
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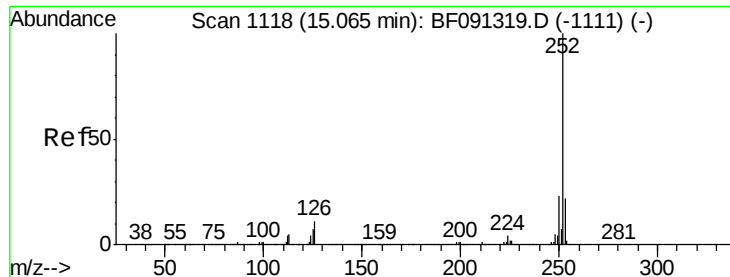
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.3	17.0	25.6





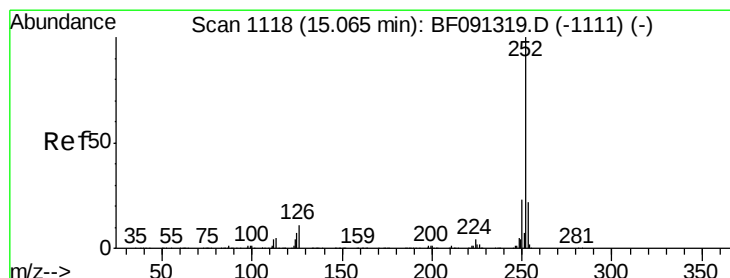
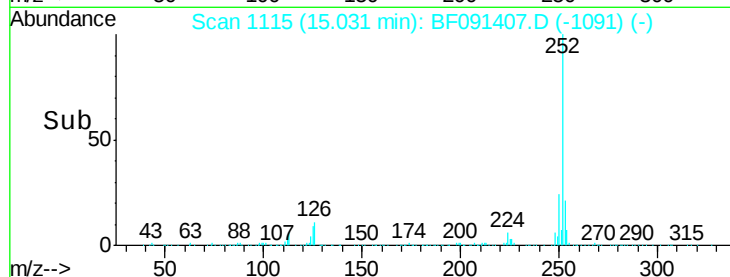
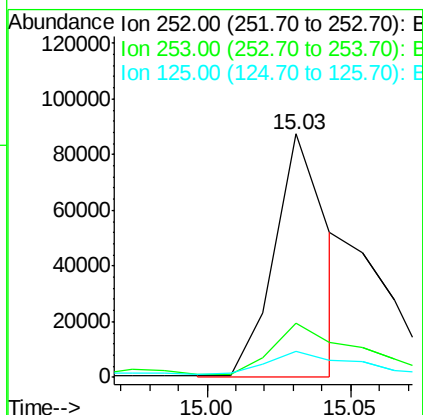
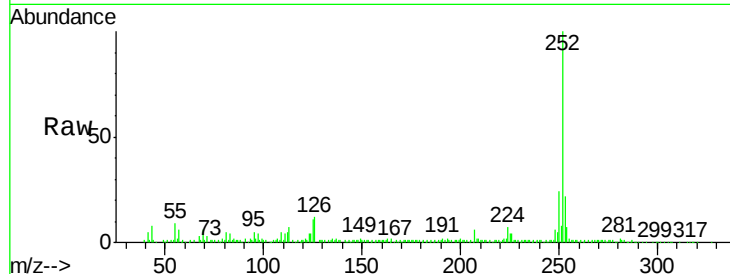
#87
Benzo(b)fluoranthene
Concen: 4.00 ng m
RT: 15.03 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	10.7	8.6	13.0

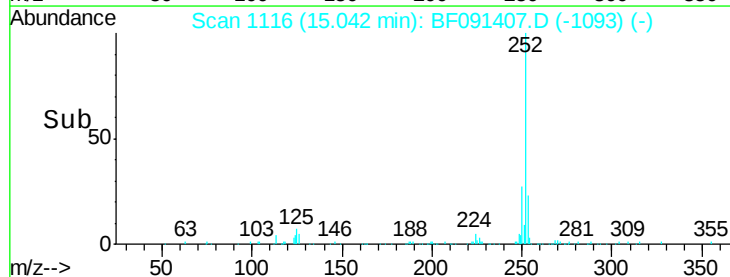
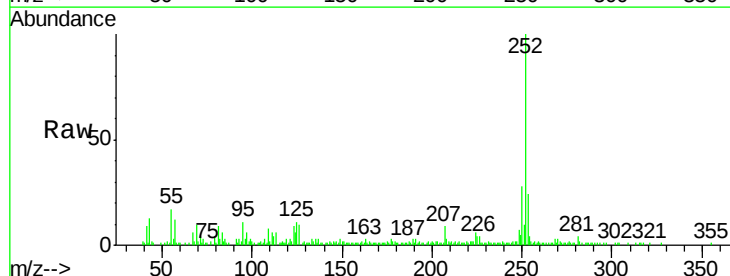
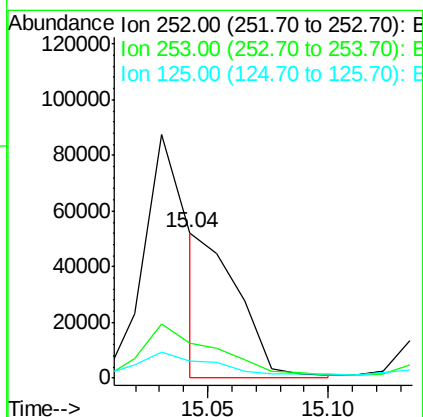
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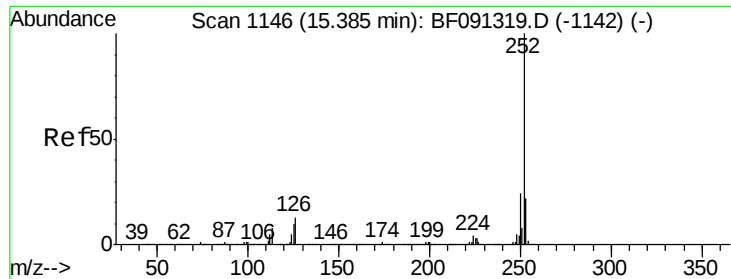
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#88
Benzo(k)fluoranthene
Concen: 2.30 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.04 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	11.5	9.6	14.4





#89

Benzo(a)pyrene

Concen: 2.30 ng m

RT: 15.39 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		57783		
253	24.1	18.2	27.4		
125	9.5	10.4	15.6		

Manual Integrations
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