

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078970.D
 Acq On : 6 May 2015 19:53
 Operator : TP/IZ
 Sample : G2114-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

Manual Integrations
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Quant Time: May 07 12:33:34 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	66819	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	295512	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	144430	20.00	ng	0.01
63) Phenanthrene-d10	12.95	188	299833	20.00	ng	0.00
75) Chrysene-d12	16.26	240	336143	20.00	ng	-0.05
86) Perylene-d12	18.07	264	374991	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	156474	40.31	ng	0.01
7) Phenol-d6	6.90	99	216150	42.13	ng	0.01
23) Nitrobenzene-d5	8.03	82	121462	23.62	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	62793	40.19	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	254216	24.52	ng	0.00
78) Terphenyl-d14	14.95	244	322164m	22.95	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.14	154	32528	3.71	ng	98
54) Dibenzofuran	11.36	168	32815	2.59	ng	96
57) Fluorene	11.78	166	45643	4.39	ng	97
70) Phenanthrene	12.98	178	603465	35.98	ng	100
71) Anthracene	13.04	178	149039	9.06	ng	99
72) Carbazole	13.25	167	41445	2.64	ng	98
74) Fluoranthene	14.47	202	684637	39.17	ng	92
77) Pyrene	14.74	202	668411m	34.51	ng	
80) Benzo(a)anthracene	16.25	228	340335m	18.49	ng	
82) Chrysene	16.30	228	322619m	18.22	ng	
85) Indeno(1,2,3-cd)pyrene	19.57	276	157897m	7.00	ng	
87) Benzo(b)fluoranthene	17.60	252	340472m	16.59	ng	
88) Benzo(k)fluoranthene	17.61	252	143353m	7.21	ng	
89) Benzo(a)pyrene	18.00	252	267560	14.16	ng	98
91) Benzo(a,h,i)perylene	20.02	276	156223	7.76	ng	99

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

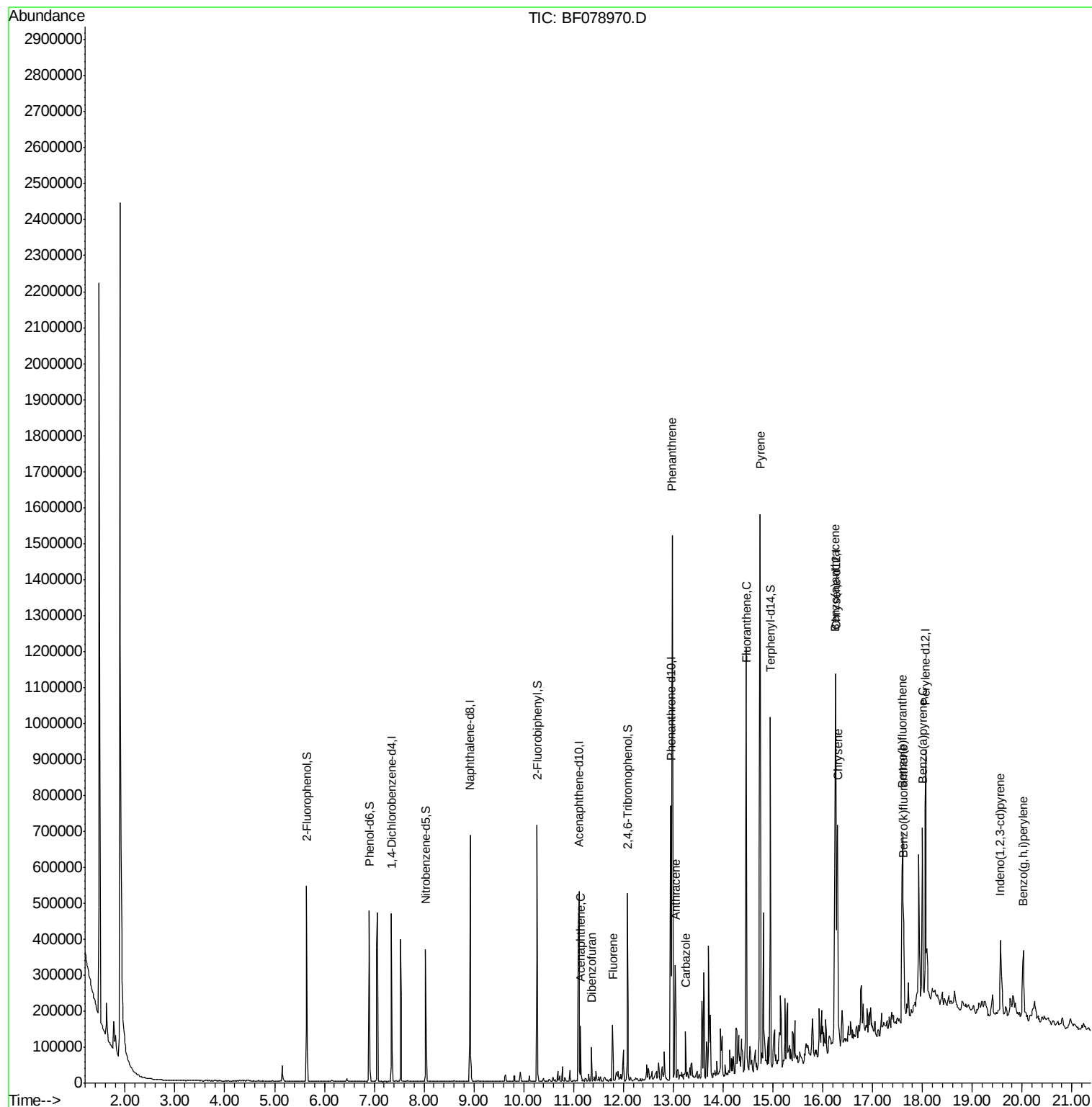
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078970.D
Acq On : 6 May 2015 19:53
Operator : TP/IZ
Sample : G2114-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Quant Time: May 07 12:33:34 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

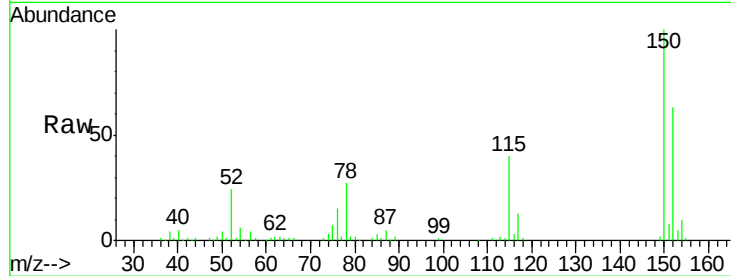
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

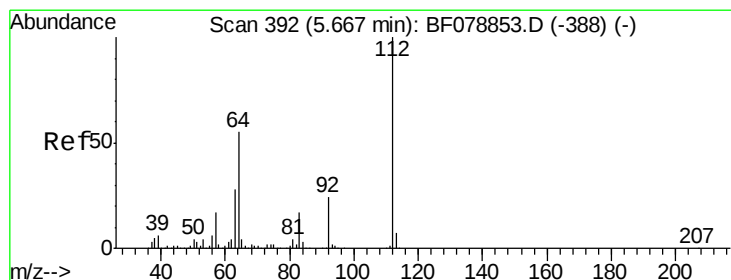
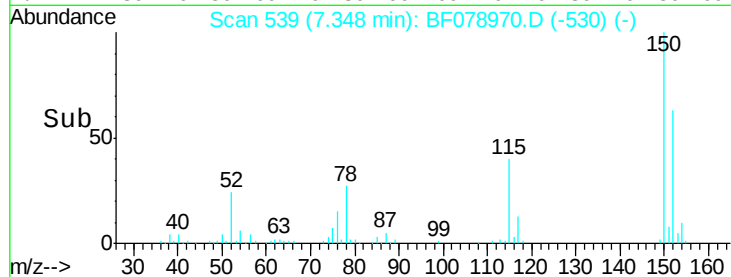
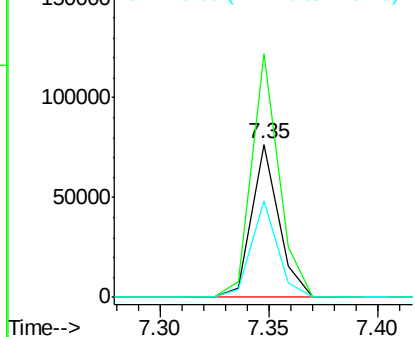
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	122.0	183.0
115	62.8	46.3	69.5

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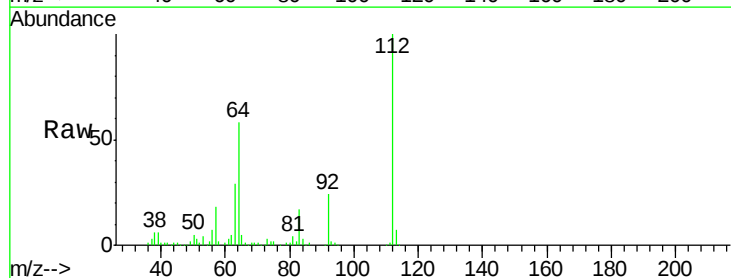
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



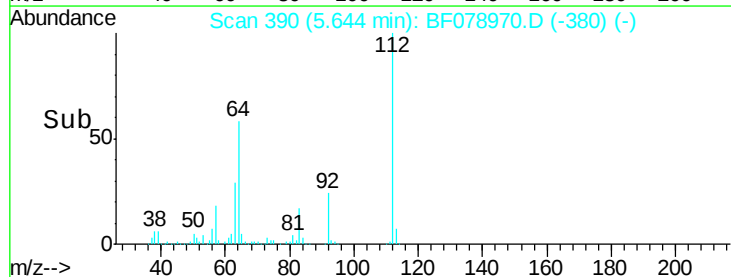
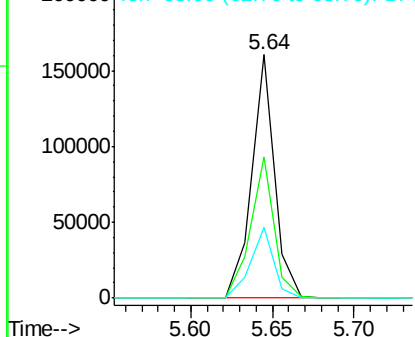
#5

2-Fluorophenol
Concen: 40.31 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	53.5	80.3
63	29.2	27.5	41.3



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: 42.13 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

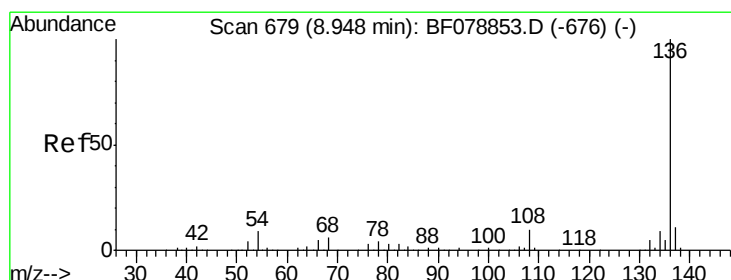
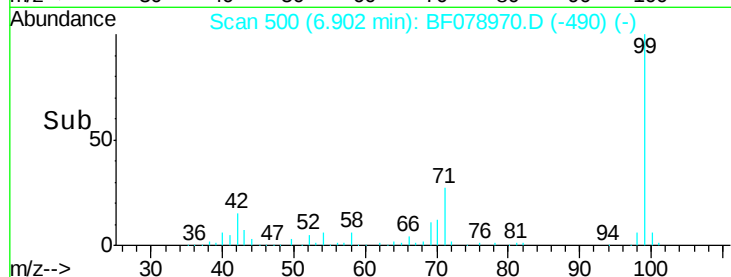
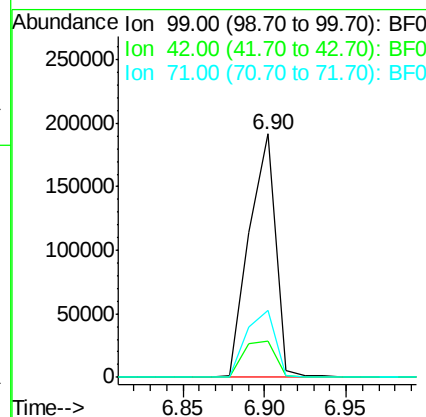
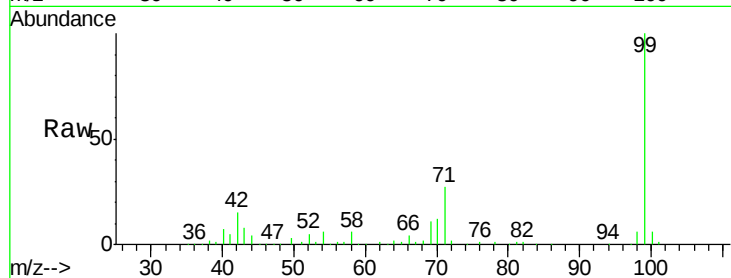
ClientSampleId :

GRID-1(0-6)

Tot Ion:	99	Resp:	216150
Ion Ratio	Lower	Upper	
99	100		
42	15.0	12.8	19.2
71	27.4	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

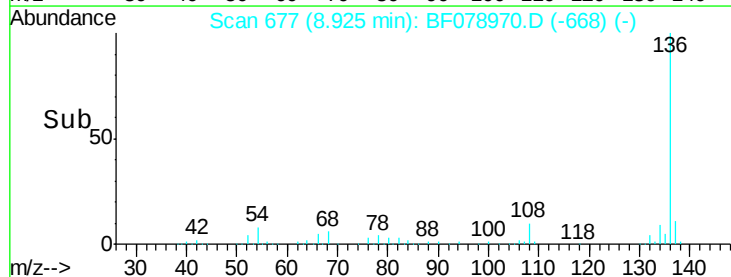
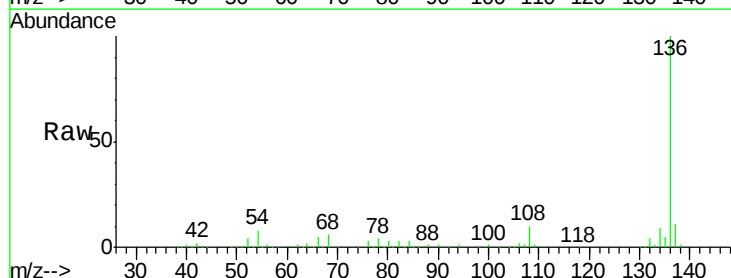
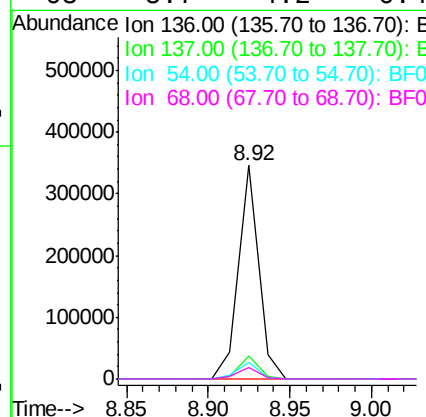
RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Tgt Ion:	136	Resp:	295512
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	7.5	5.8	8.8
68	5.7	4.2	6.4





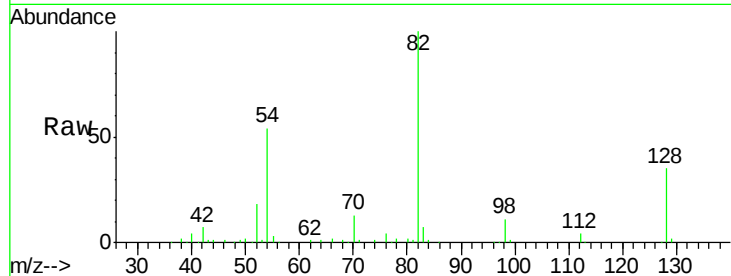
#23
 Nitrobenzene-d5
 Concen: 23.62 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

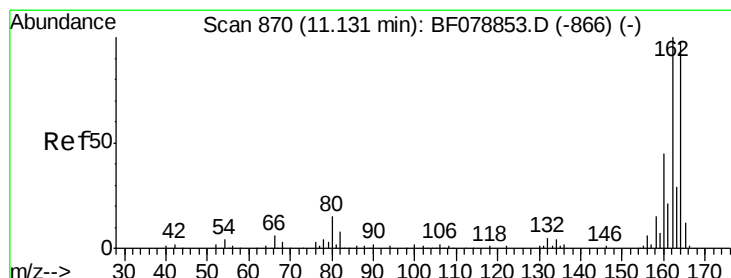
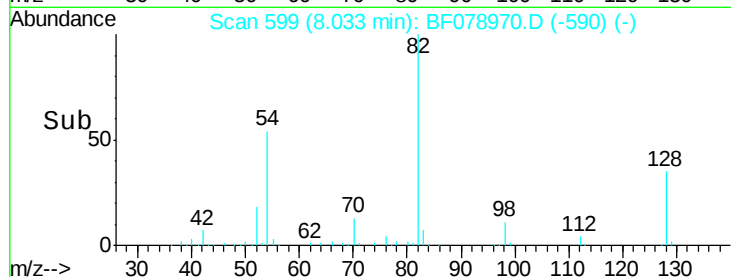
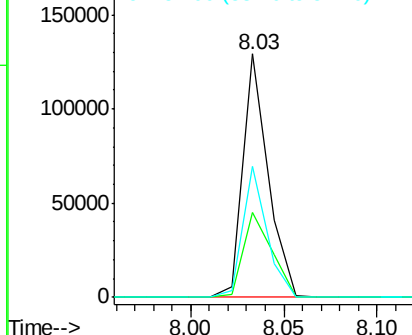
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.8	30.0	45.0	
54	53.9	46.4	69.6	

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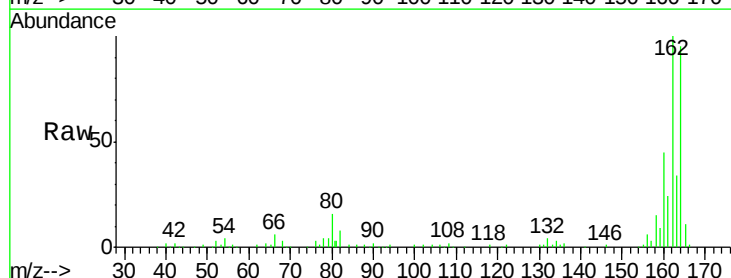


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

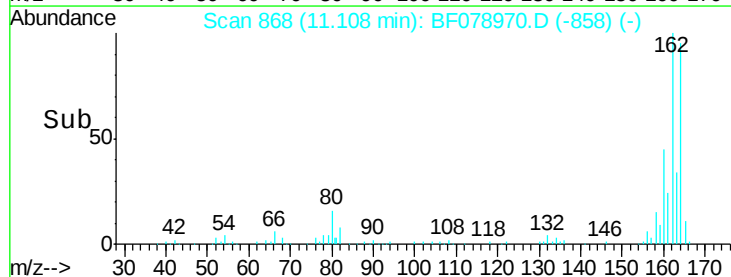
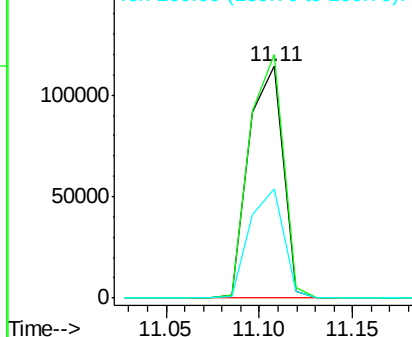


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	82.7	124.1	
160	47.2	35.8	53.8	



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





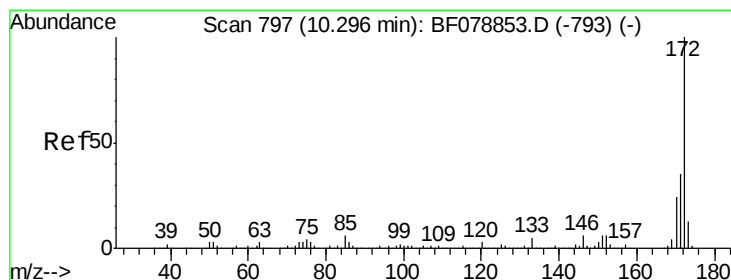
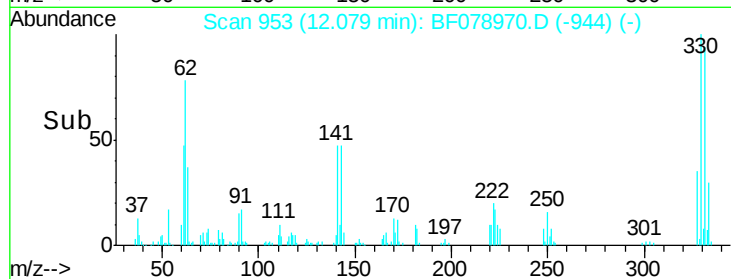
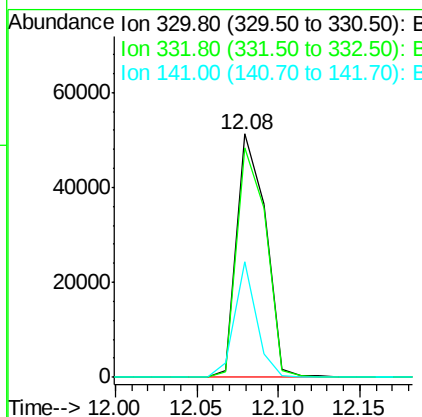
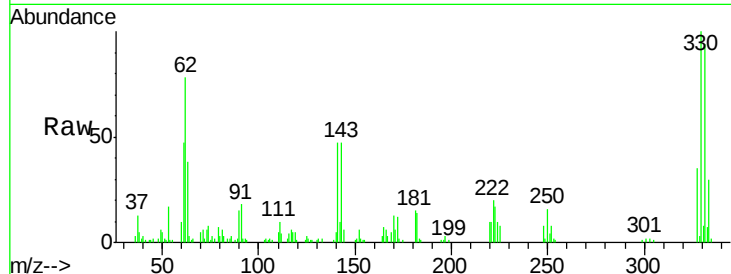
#41
 2,4,6-Tribromophenol
 Concen: 40.19 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	35.7	0.0	0.0#

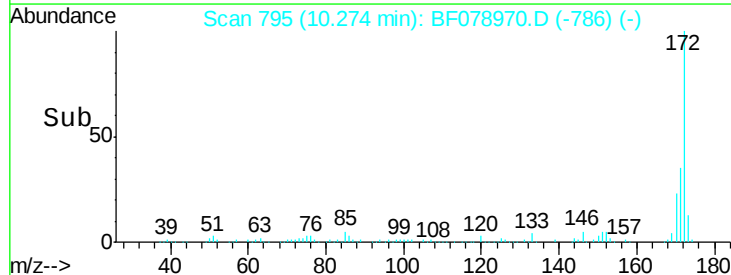
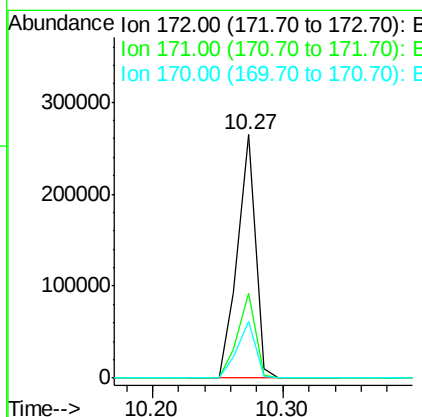
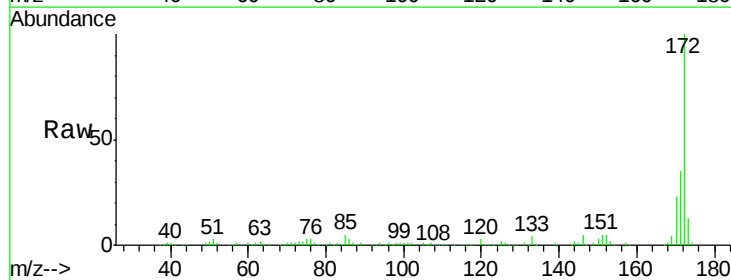
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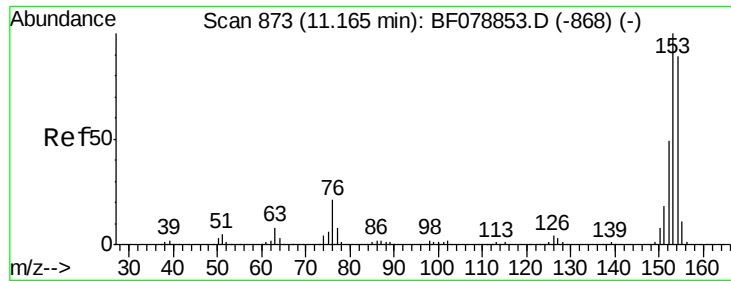
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#44
 2-Fluorobiphenyl
 Concen: 24.52 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.1	19.4	29.0





#51

Acenaphthene

Concen: 3.71 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

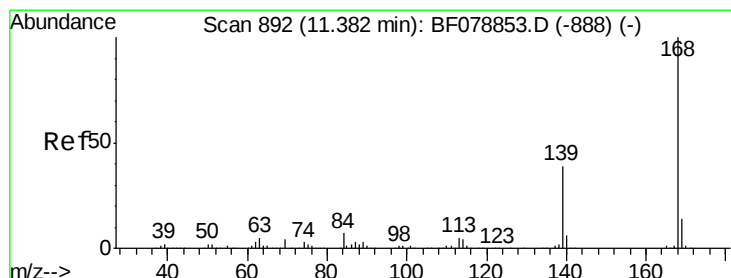
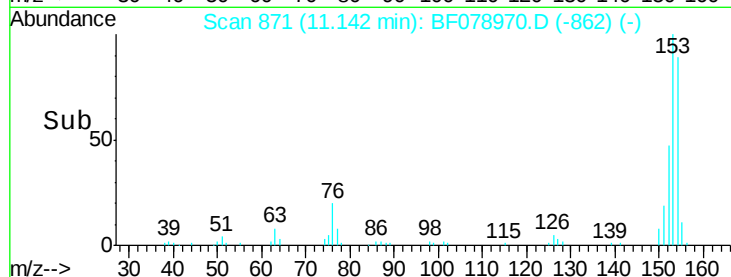
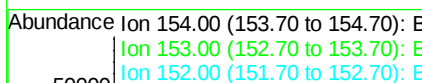
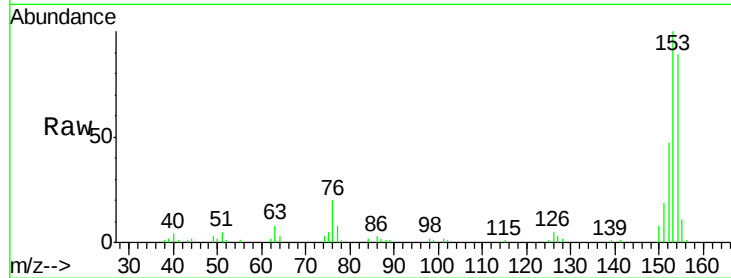
ClientSampleId :

GRID-1(0-6)

Tot Ion:	154	Resp:	32528
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.5	137.3
152	53.2	44.2	66.4

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#54

Dibenzofuran

Concen: 2.59 ng

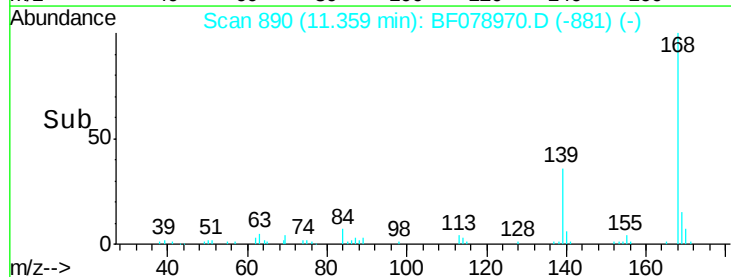
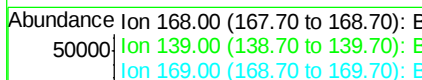
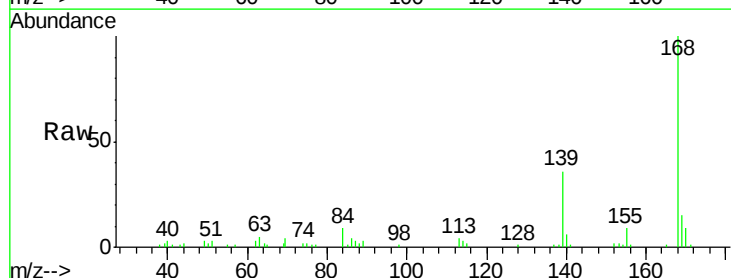
RT: 11.36 min Scan# 890

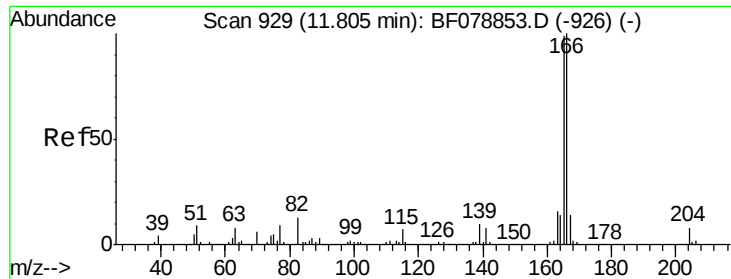
Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Tgt Ion:	168	Resp:	32815
Ion Ratio	Lower	Upper	
168	100		
139	36.1	31.0	46.4
169	14.7	10.6	16.0





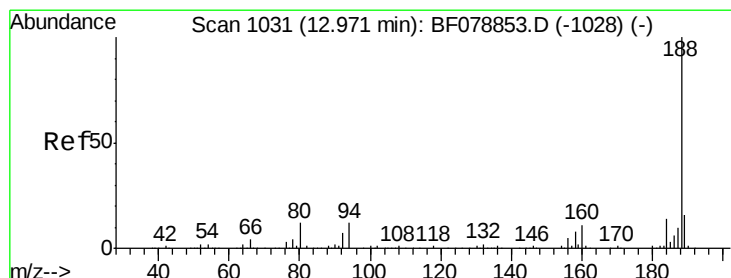
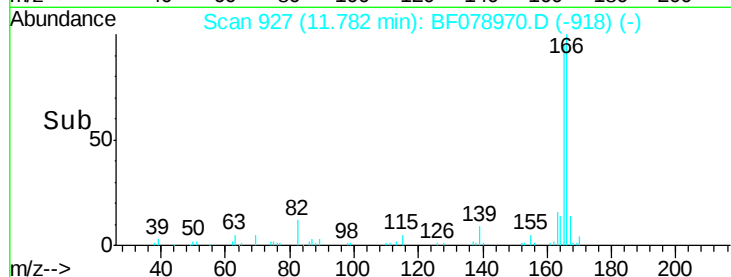
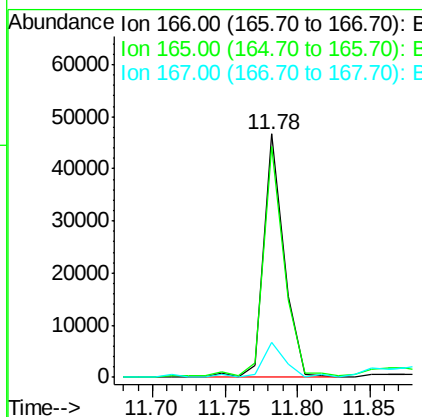
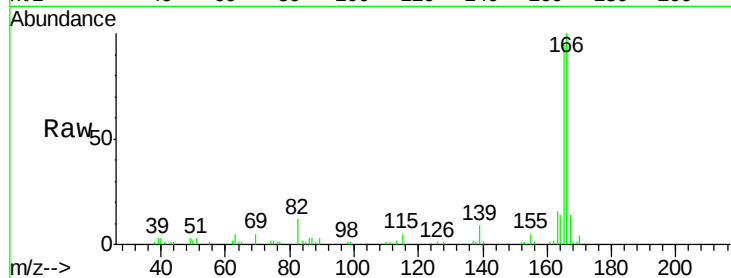
#57
Fluorene
 Concen: 4.39 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(0-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		45643		
165	95.0	78.5	117.7		
167	14.5	11.0	16.6		

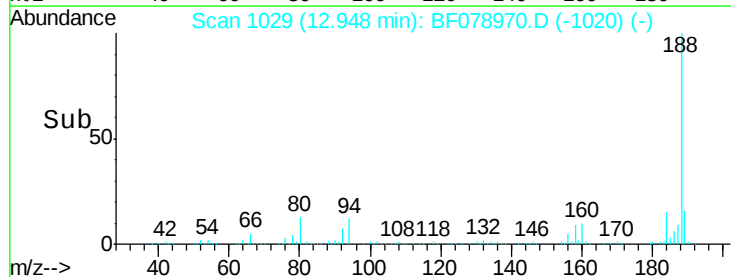
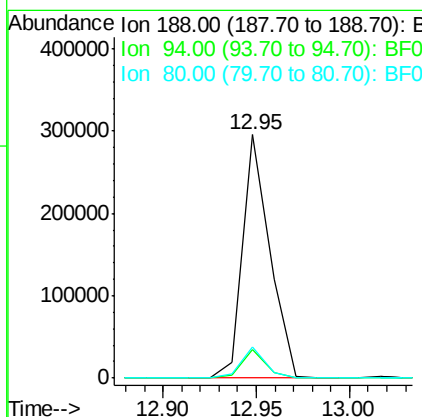
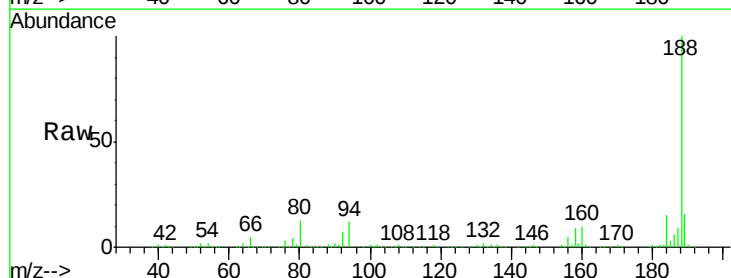
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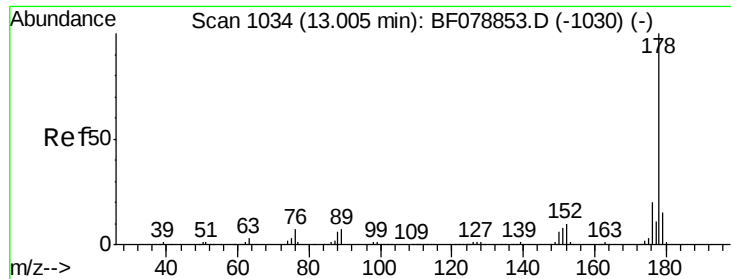
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078970.D
 Acq: 6 May 2015 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		299833		
94	11.8	8.2	12.2		
80	12.8	8.9	13.3		





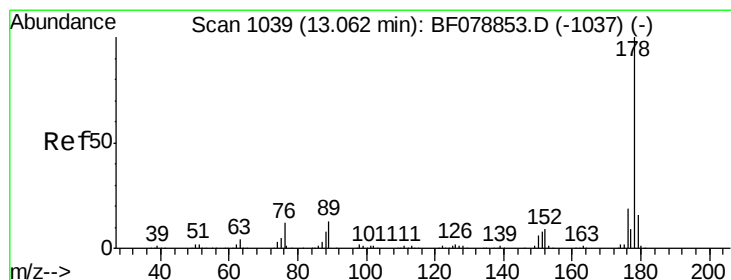
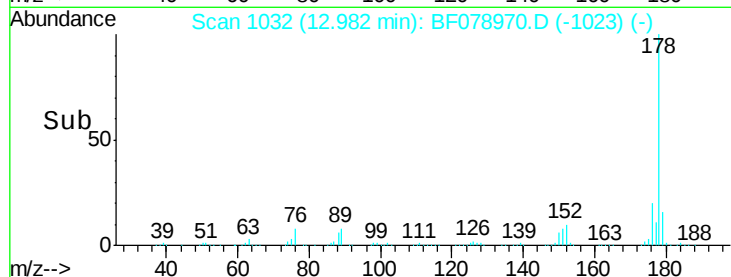
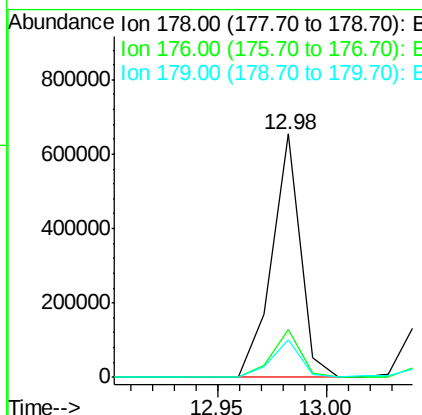
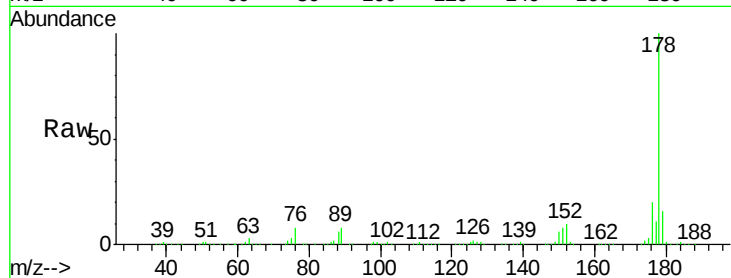
#70
Phenanthrene
Concen: 35.98 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.6	12.5	18.7

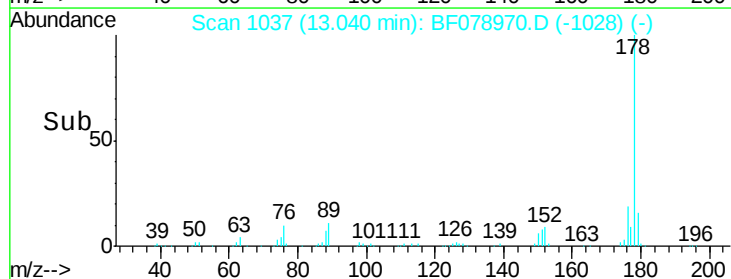
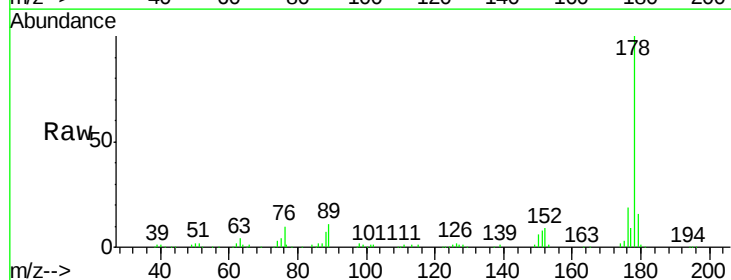
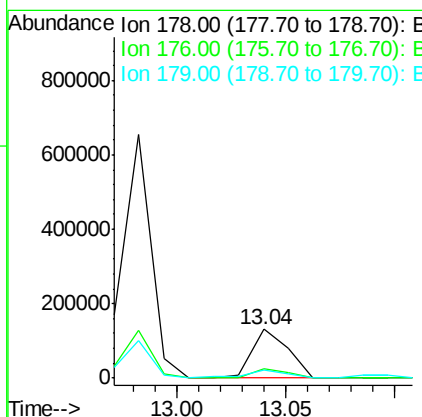
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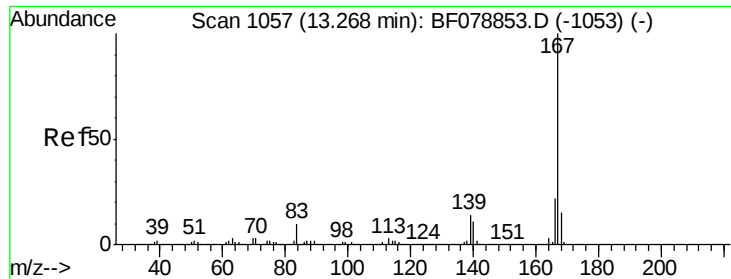
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#71
Anthracene
Concen: 9.06 ng
RT: 13.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.6	12.7	19.1





#72

Carbazole

Concen: 2.64 ng

RT: 13.25 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

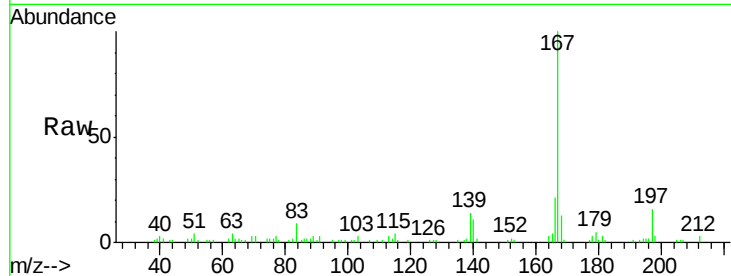
ClientSampleId :

GRID-1(0-6)

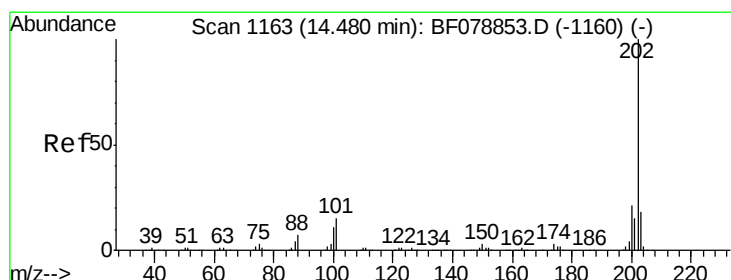
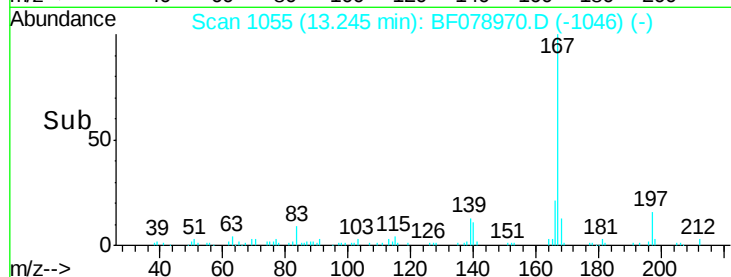
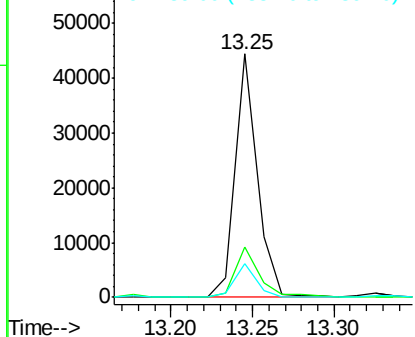
Tot Ion:	167	Resp:	41445
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.8	26.8
139	14.0	10.6	16.0

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 39.17 ng

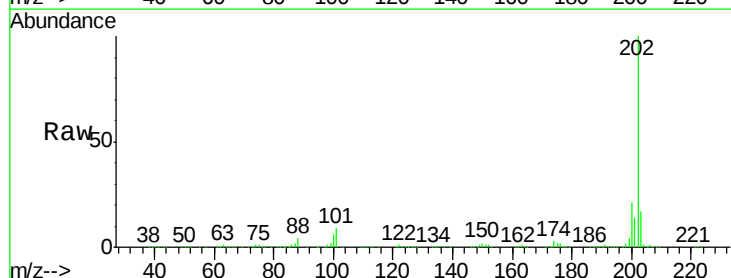
RT: 14.47 min Scan# 1162

Delta R.T. 0.01 min

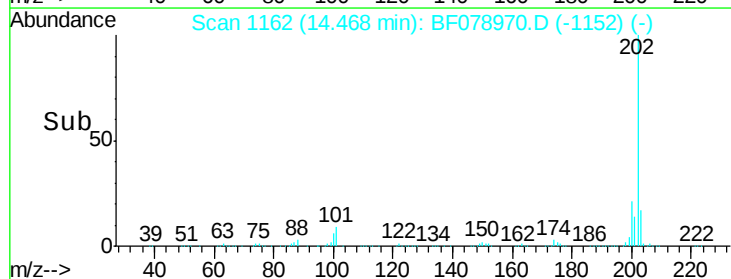
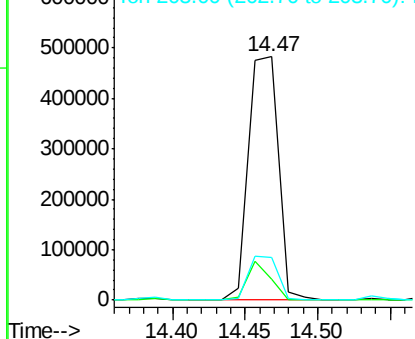
Lab File: BF078970.D

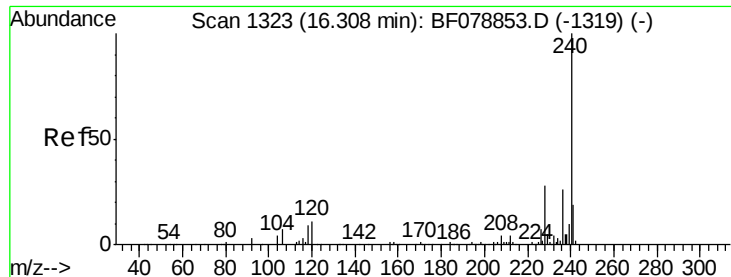
Acq: 6 May 2015 19:53

Tgt Ion:	202	Resp:	684637
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	34.6
203	17.3	0.0	38.4



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





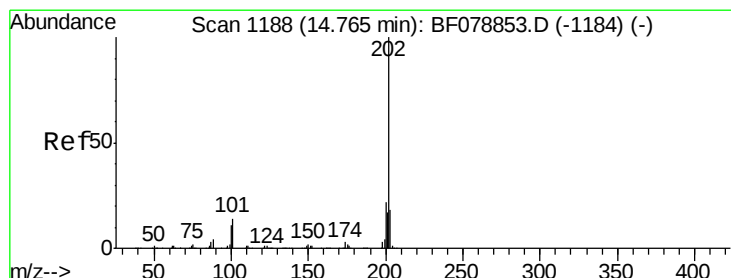
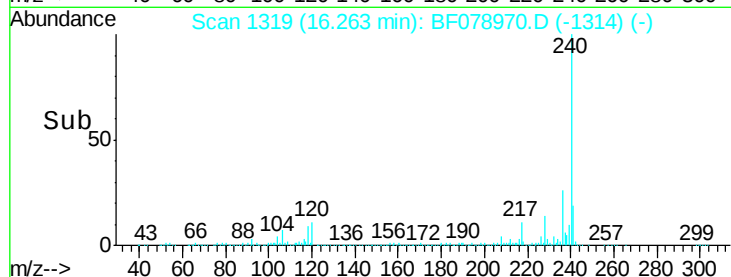
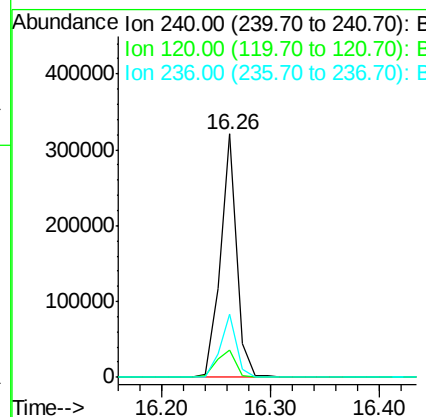
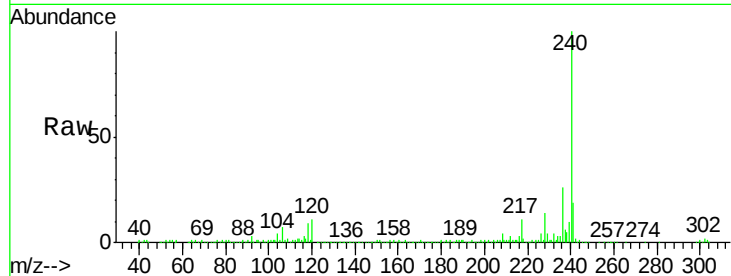
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.26 min Scan# 1319
Delta R.T. -0.05 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.0	9.7	14.5	
236	26.0	20.2	30.4	

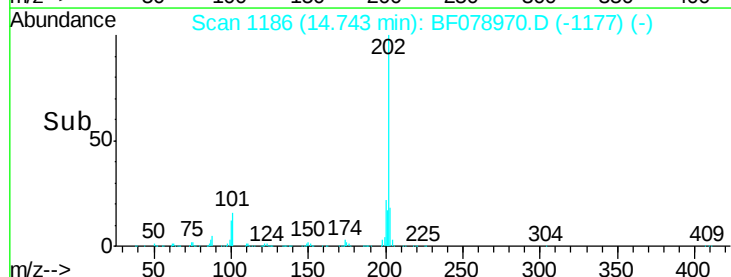
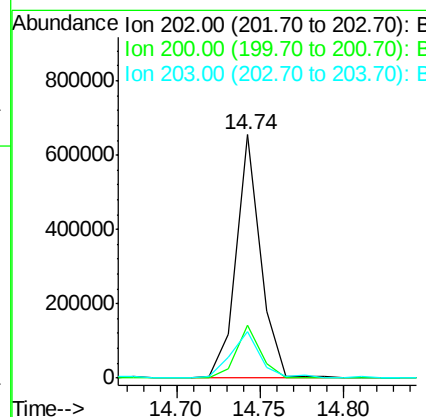
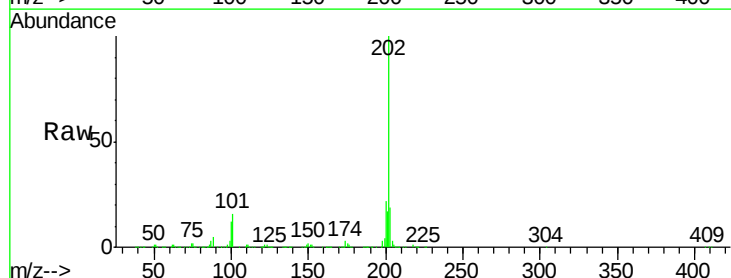
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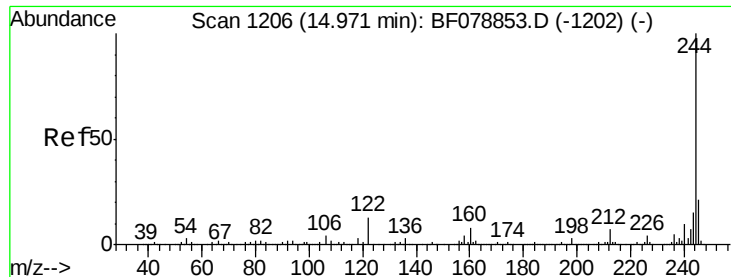
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#77
Pyrene
Concen: 34.51 ng m
RT: 14.74 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.5	26.3	
203	19.1	13.9	20.9	





#78

Terphenyl-d14

Concen: 22.95 ng/mL

RT: 14.95 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

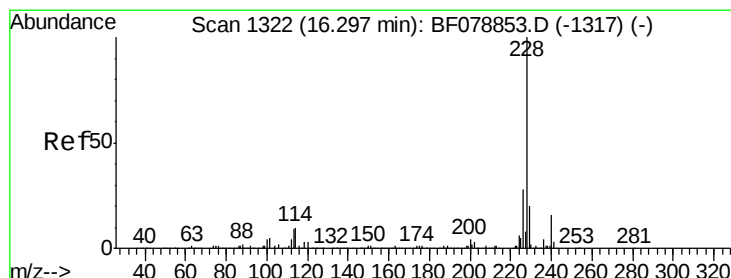
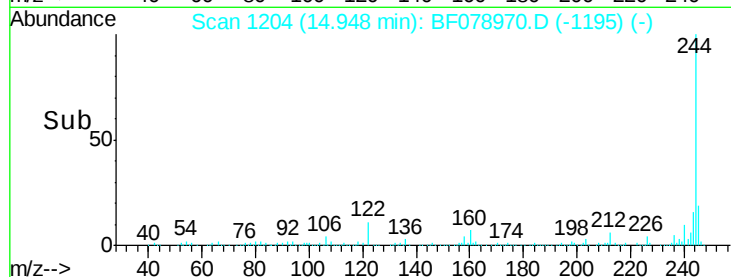
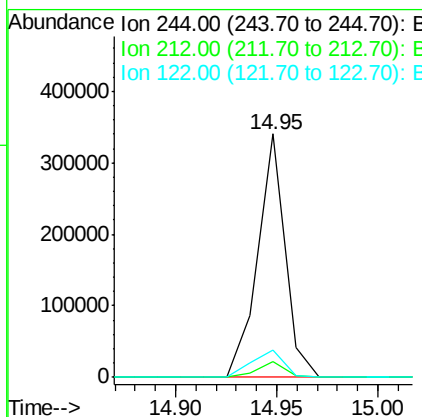
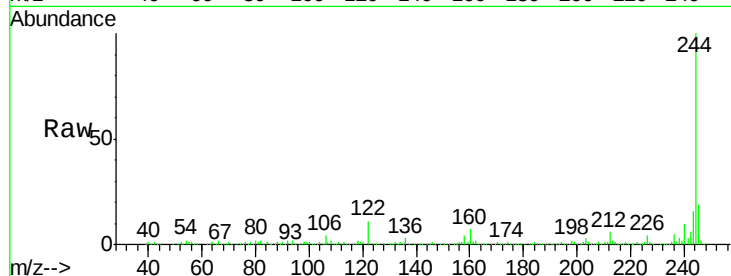
ClientSampleId :

GRID-1(0-6)

Tot Ion:	244	Resp:	322164
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.6	8.4
122	11.4	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 18.49 ng/mL

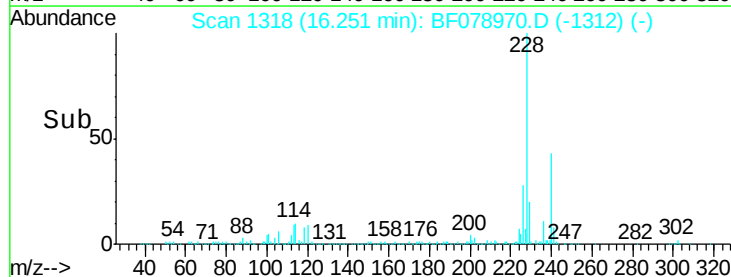
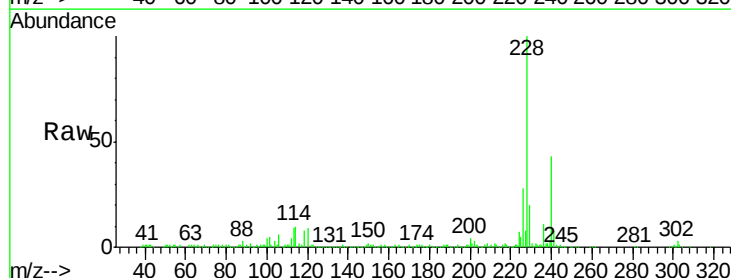
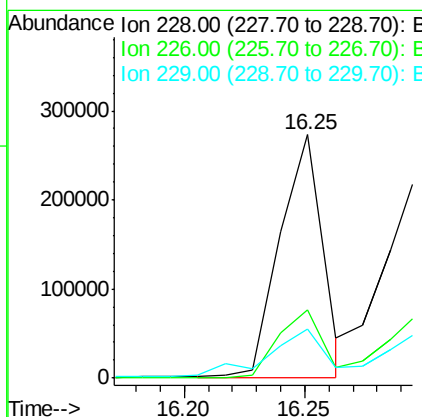
RT: 16.25 min Scan# 1318

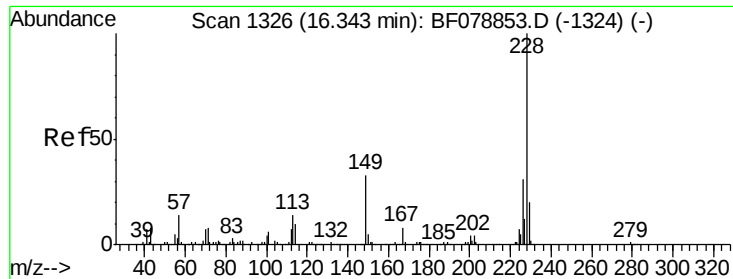
Delta R.T. -0.03 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Tgt Ion:	228	Resp:	340335
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	20.3	15.9	23.9





#82

Chrysene

Concen: 18.22 ng m

RT: 16.30 min Scan# 1322

Delta R.T. -0.05 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Instrument :

BNA_F

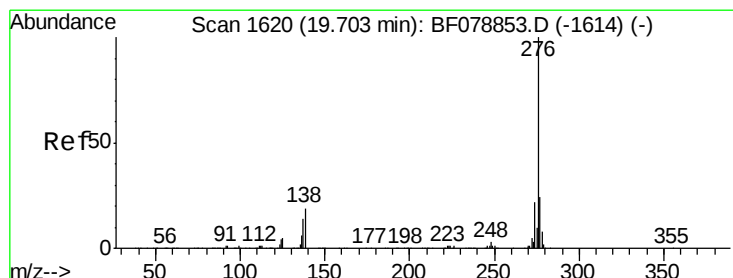
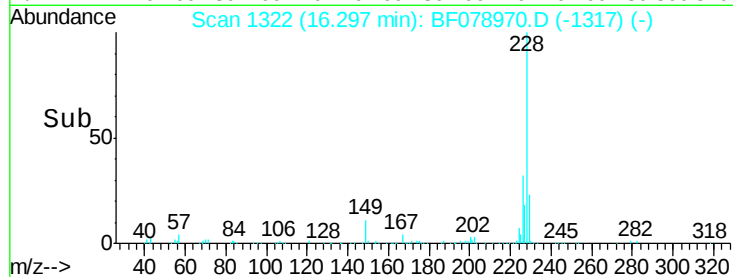
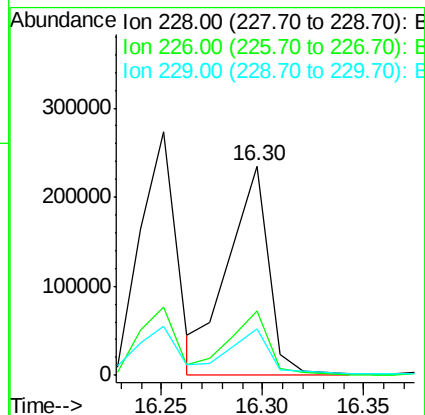
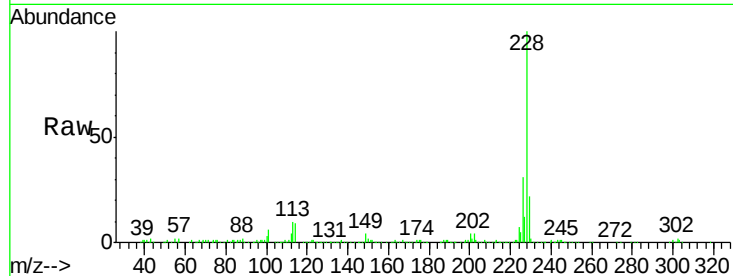
ClientSampleID :

GRID-1(0-6)

Tot Ion:	228	Resp:	322619
Ion Ratio		Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.0	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.00 ng m

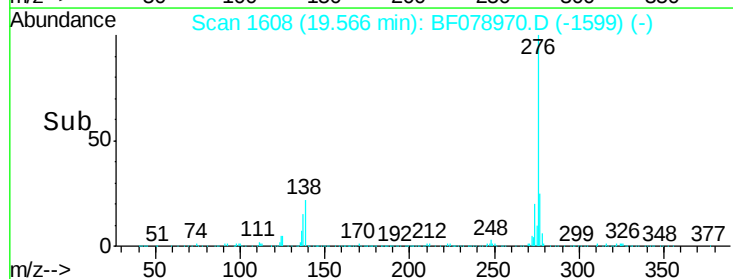
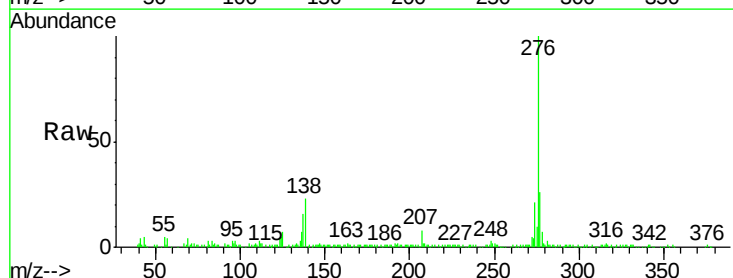
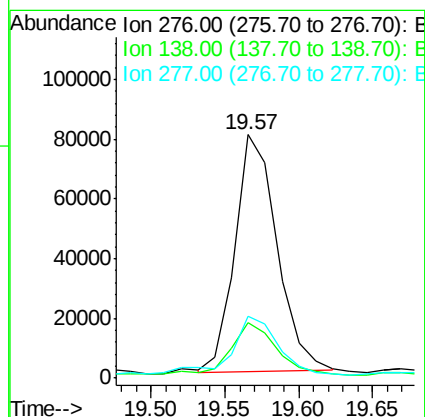
RT: 19.57 min Scan# 1608

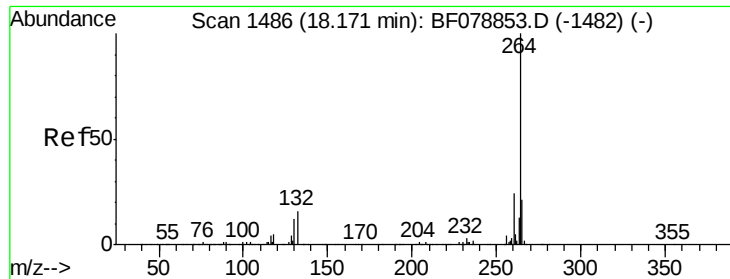
Delta R.T. -0.19 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Tgt Ion:	276	Resp:	157897
Ion Ratio		Lower	Upper
276	100		
138	3.0	0.0	0.0#
277	2.2	0.0	0.0#





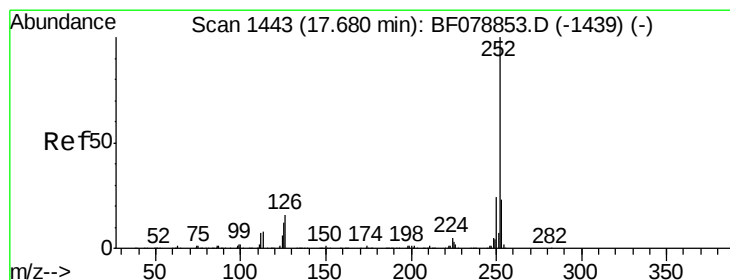
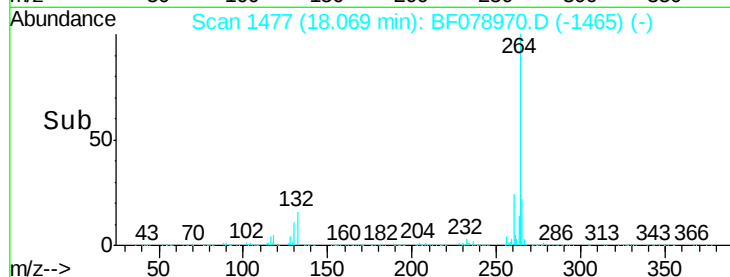
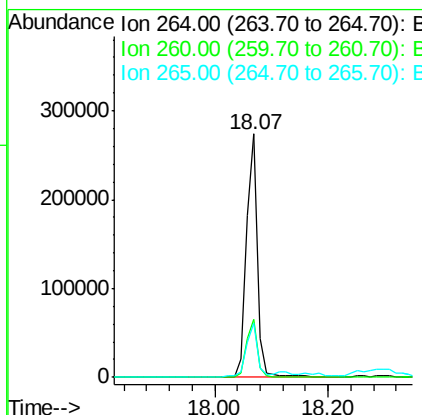
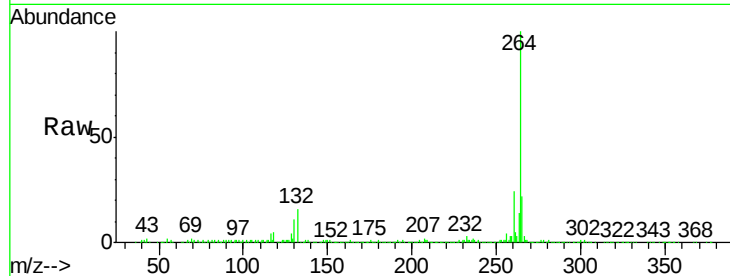
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.16 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

Tot Ion:	264	Resp:	374991
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.4	18.3	27.5

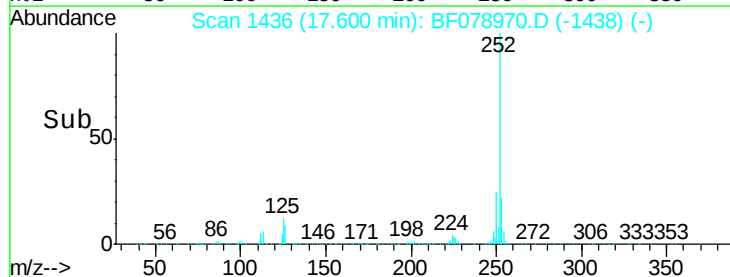
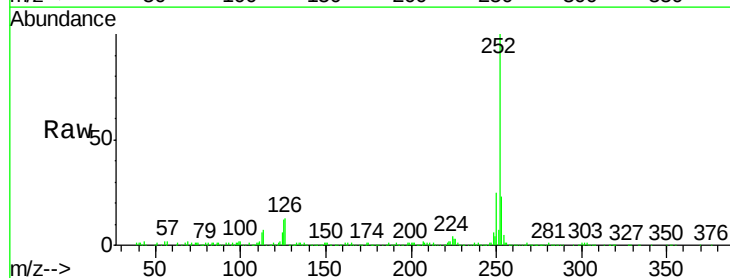
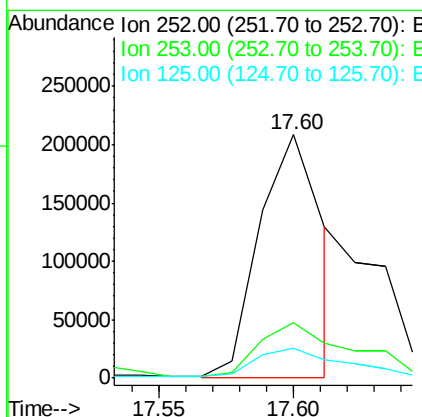
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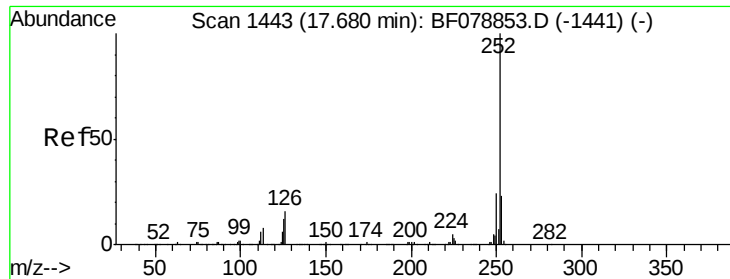
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#87
Benzo(b)fluoranthene
Concen: 16.59 ng m
RT: 17.60 min Scan# 1436
Delta R.T. -0.13 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion:	252	Resp:	340472
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.1	9.5	14.3





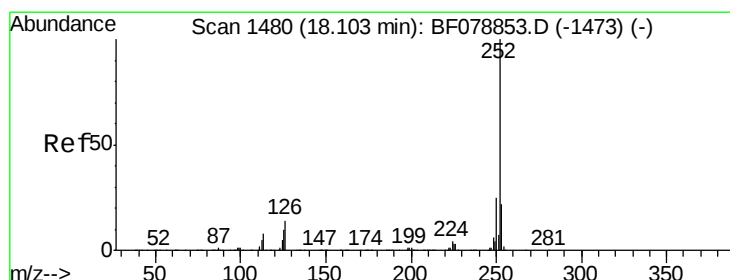
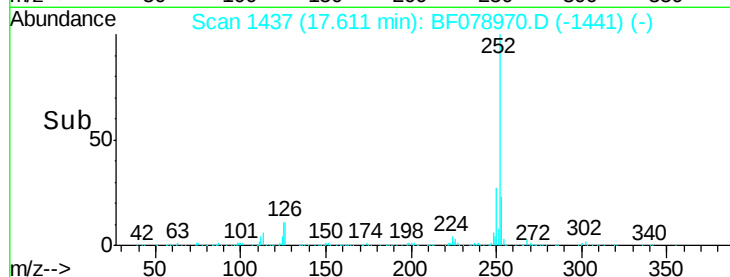
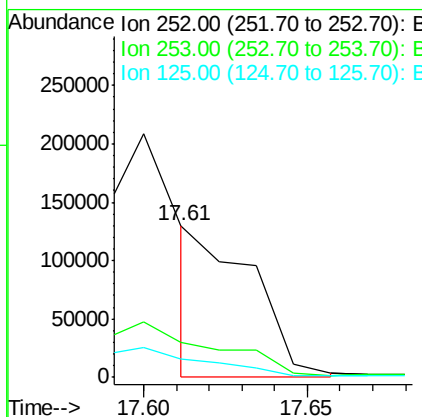
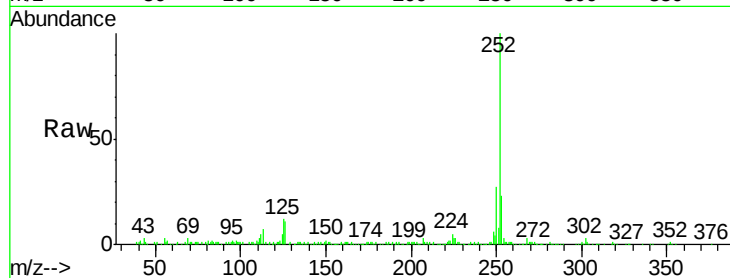
#88
Benzo(k)fluoranthene
Concen: 7.21 ng m
RT: 17.61 min Scan# 1437
Delta R.T. -0.15 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Instrument :
BNA_F
ClientSampleId :
GRID-1(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	11.8	10.0	15.0

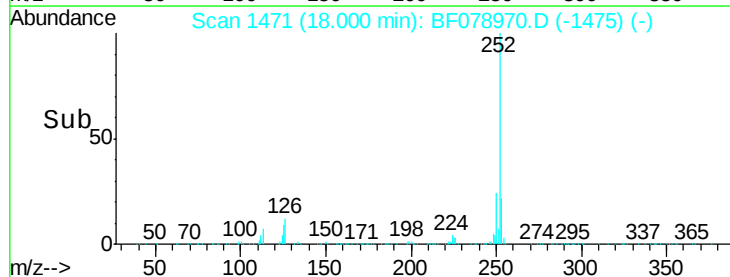
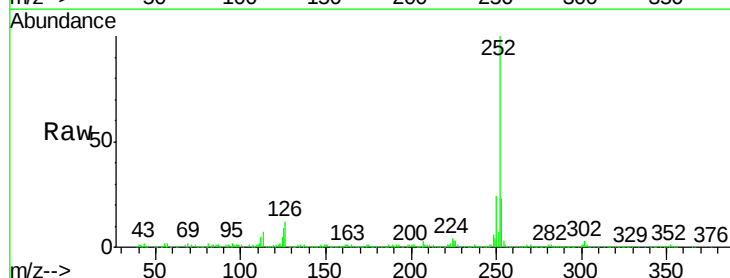
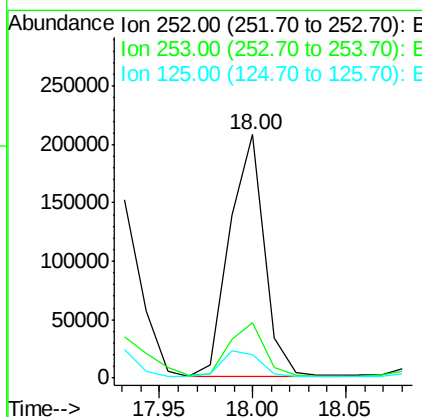
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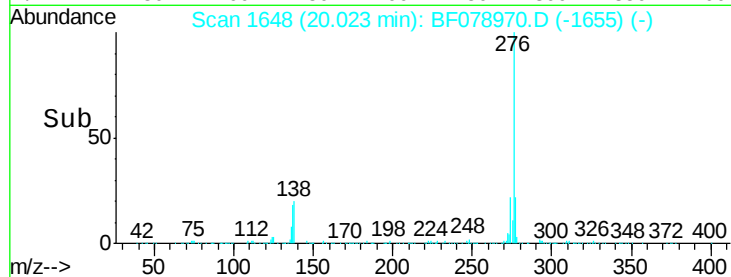
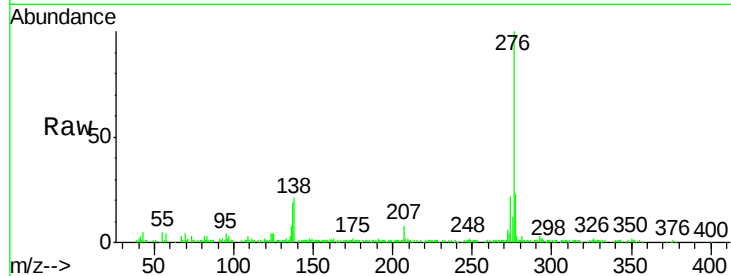
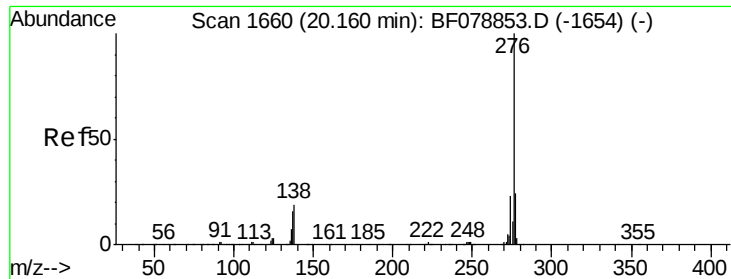
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#89
Benzo(a)pyrene
Concen: 14.16 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.15 min
Lab File: BF078970.D
Acq: 6 May 2015 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.4	7.0	10.6





#91

Benzo(a,h,i)perylene

Concen: 7.76 ng

RT: 20.02 min Scan# 1648

Delta R.T. -0.18 min

Lab File: BF078970.D

Acq: 6 May 2015 19:53

Tot Ion:	276	Resp:	156223
Ion Ratio		Lower	Upper
276	100		
277	22.6	18.6	28.0
138	21.2	17.4	26.0

Instrument :

BNA_F

ClientSampleId :

GRID-1(0-6)

Manual Integrations
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