

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
 Data File : BF077242.D
 Acq On : 10 Feb 2015 19:15
 Operator : TP/IZ
 Sample : G1254-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB11A

Manual Integrations
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Quant Time: Feb 11 03:12:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	42784	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	184221	20.00	ng	0.01
38) Acenaphthene-d10	14.63	164	99940	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	164619	20.00	ng	0.00
75) Chrysene-d12	21.01	240	152656	20.00	ng	0.00
86) Perylene-d12	22.65	264	141987	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.61	112	112035	43.05	ng	0.02
7) Phenol-d6	7.02	99	156025	47.53	ng	0.01
23) Nitrobenzene-d5	8.90	82	82130	24.70	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	18388	22.67	ng	0.00
44) 2-Fluorobiphenyl	13.16	172	198337	30.20	ng	0.00
78) Terphenyl-d14	19.76	244	201372	30.37	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.54	178	26352	2.57	ng	96
74) Fluoranthene	19.20	202	44702	4.25	ng	98
77) Pyrene	19.48	202	46046	4.40	ng	# 93
80) Benzo(a)anthracene	21.00	228	27149m	2.83	ng	
82) Chrysene	21.05	228	27183	3.11	ng	100
85) Indeno(1,2,3-cd)pyrene	23.72	276	20713	2.24	ng	# 84
87) Benzo(b)fluoranthene	22.25	252	42703m	4.47	ng	
89) Benzo(a)pyrene	22.59	252	22868	2.71	ng	# 74
91) Benzo(g,h,i)perylene	23.99	276	24107	3.13	ng	# 86

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

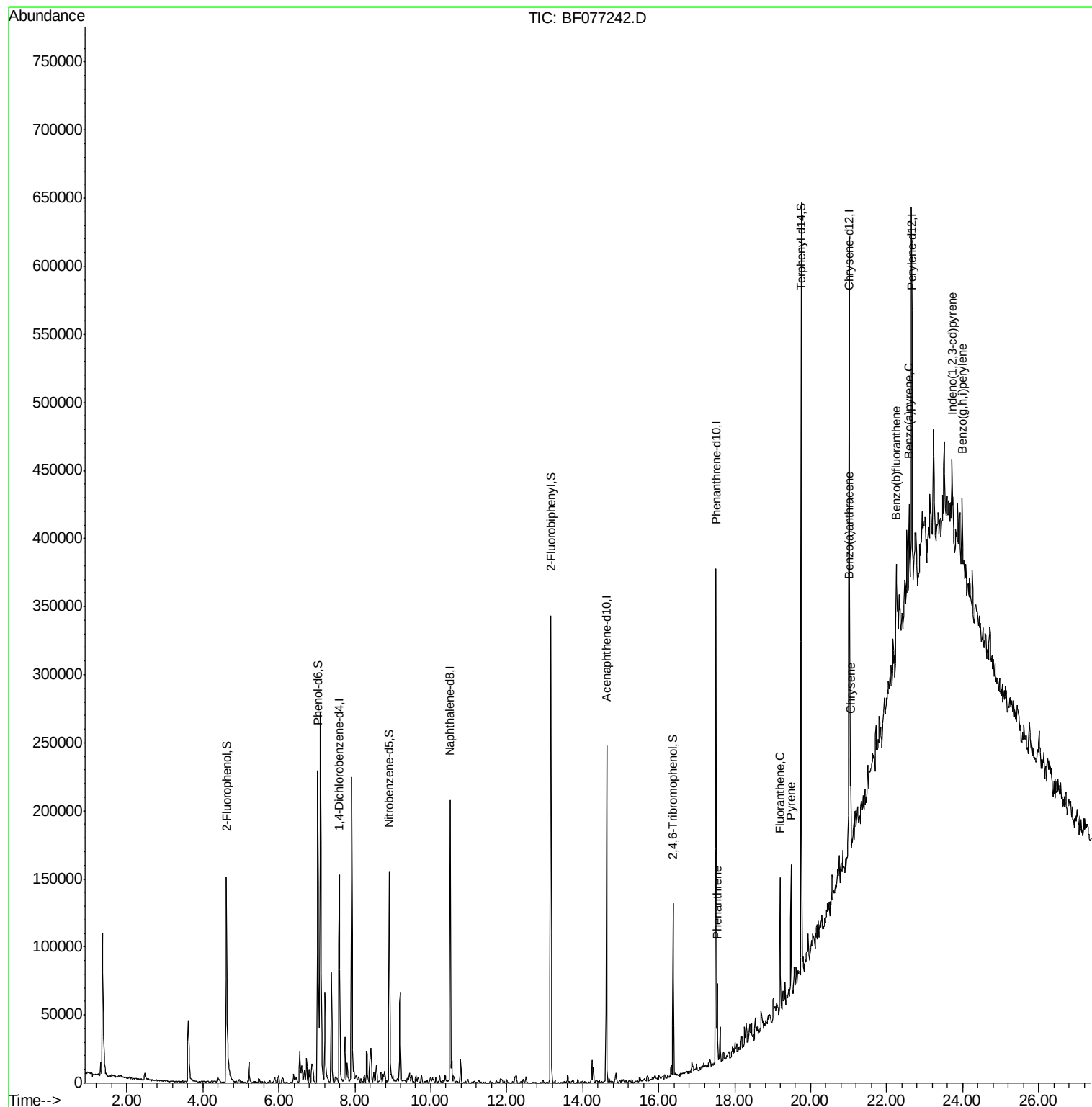
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077242.D
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Operator : TP/IZ
Sample : G1254-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

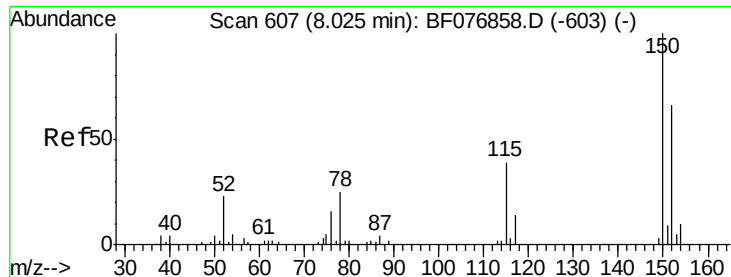
Instrument :
BNA_F
ClientSampleId :
UB11A

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#1

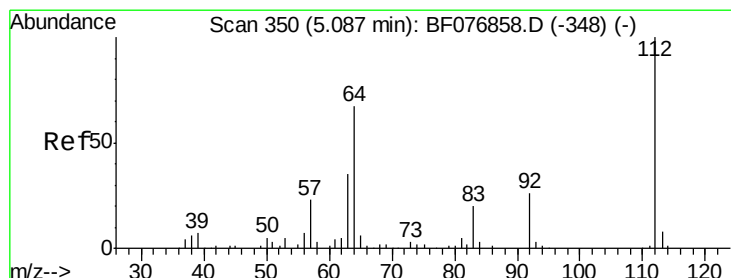
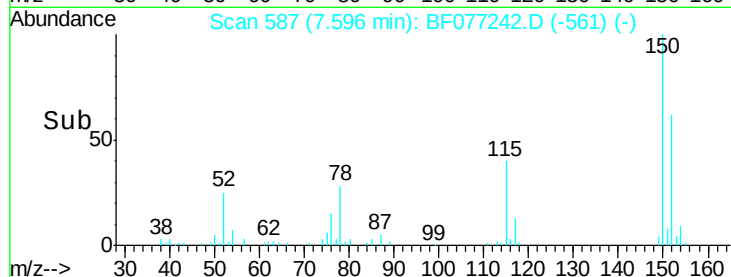
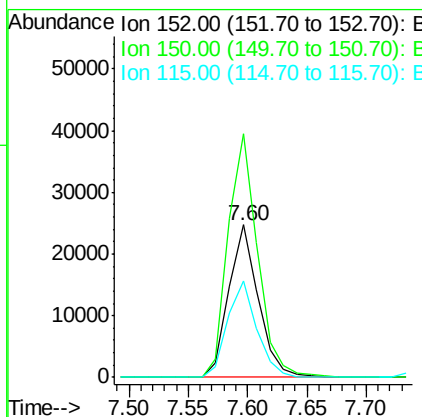
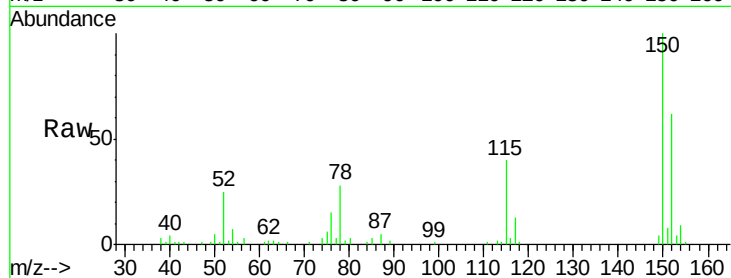
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Instrument :
BNA_F
ClientSampleId :
UB11A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	121.7	182.5
115	63.7	47.0	70.6

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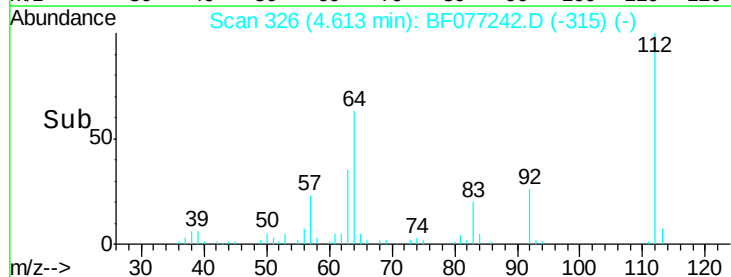
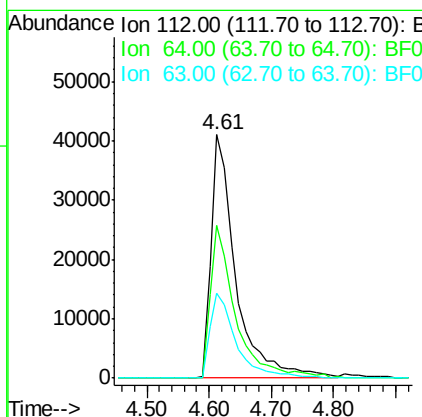
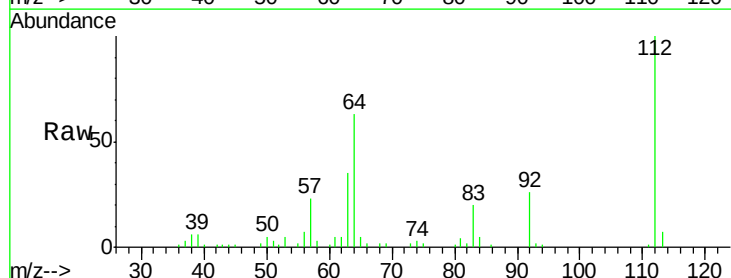
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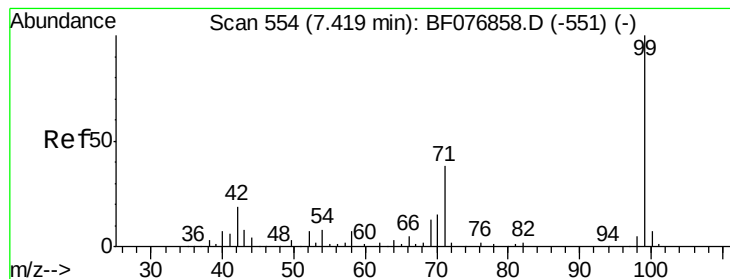


#5

2-Fluorophenol
Concen: 43.05 ng
RT: 4.61 min Scan# 326
Delta R.T. 0.02 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	54.2	81.4
63	34.7	28.4	42.6





#7

Phenol-d6

Concen: 47.53 ng

RT: 7.02 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

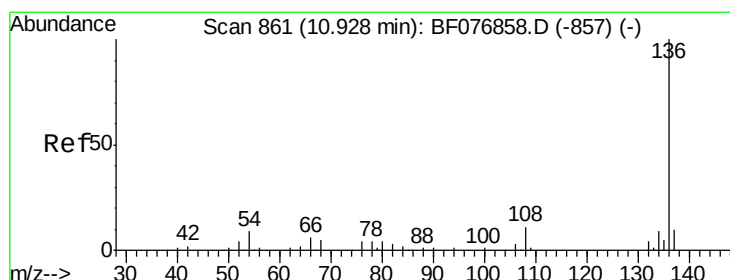
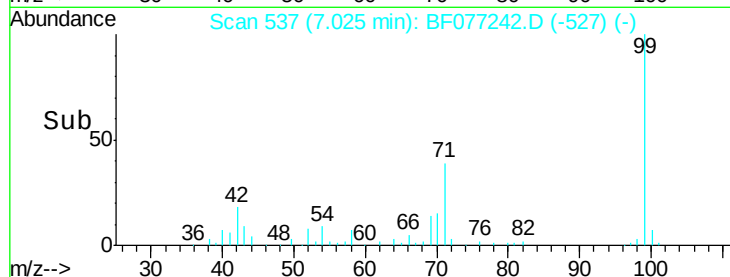
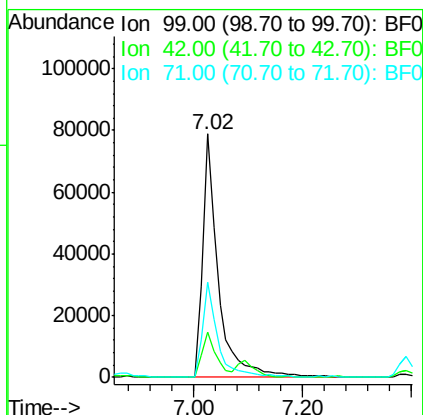
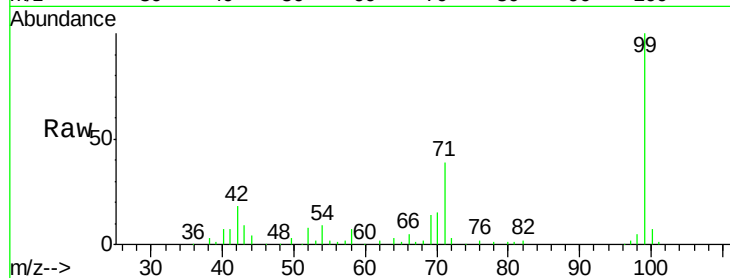
ClientSampleId :

UB11A

Tot Ion:	99	Resp:	156025
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.0	22.4
71	39.3	30.5	45.7

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#21

Naphthalene-d8

Concen: 20.00 ng

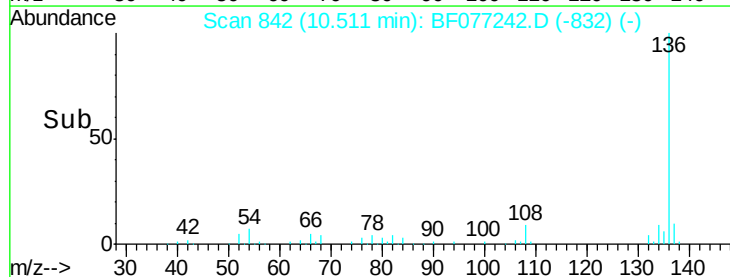
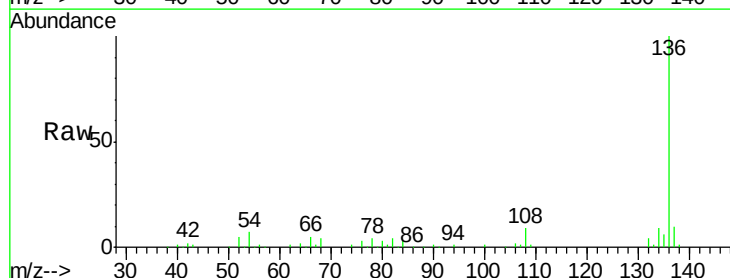
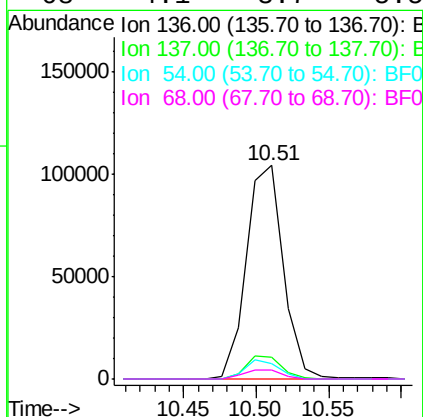
RT: 10.51 min Scan# 842

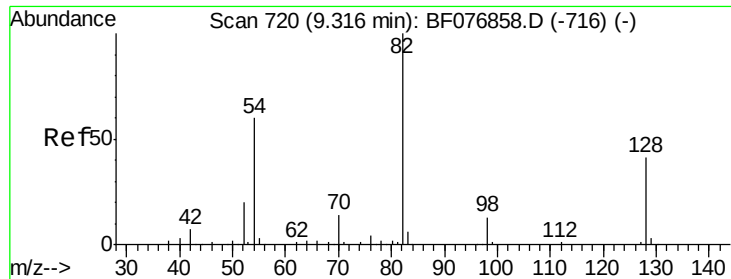
Delta R.T. 0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Tgt Ion:	136	Resp:	184221
Ion Ratio	Lower	Upper	
136	100		
137	9.9	8.1	12.1
54	7.3	7.0	10.4
68	4.1	3.7	5.5





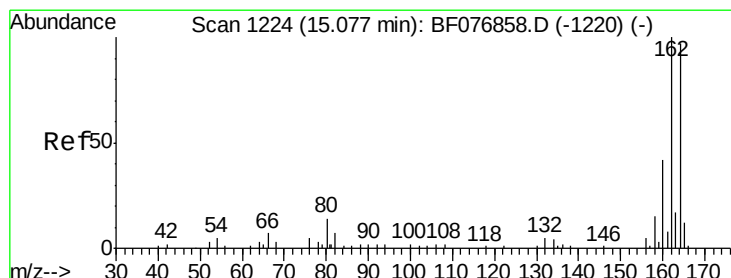
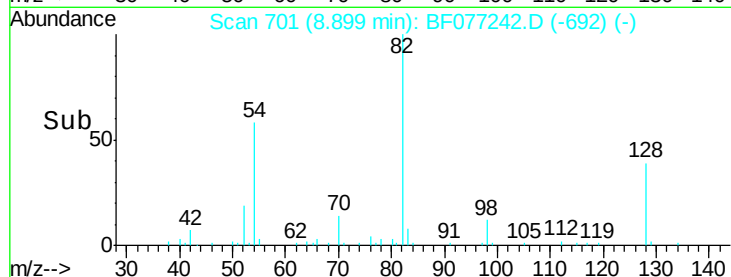
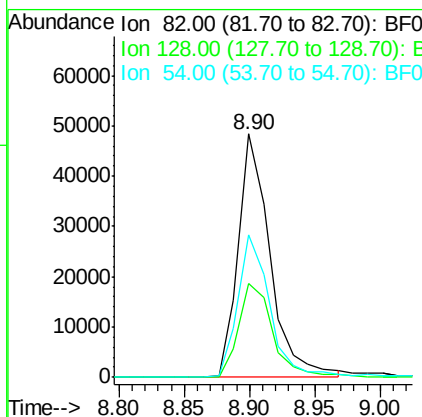
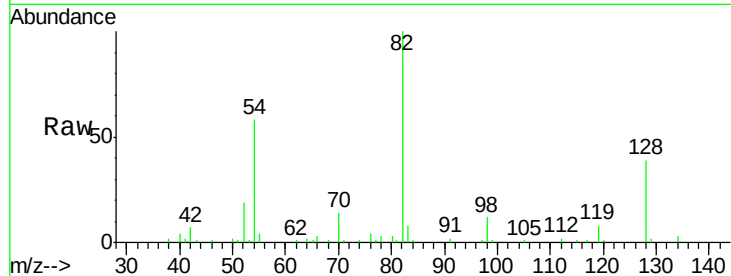
#23
 Nitrobenzene-d5
 Concen: 24.70 ng
 RT: 8.90 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF077242.D
 Acq: 10 Feb 2015 19:15

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	82	Resp	82130
Ion Ratio	100	Lower	Upper
82	100		
128	38.8	33.1	49.7
54	58.4	48.3	72.5

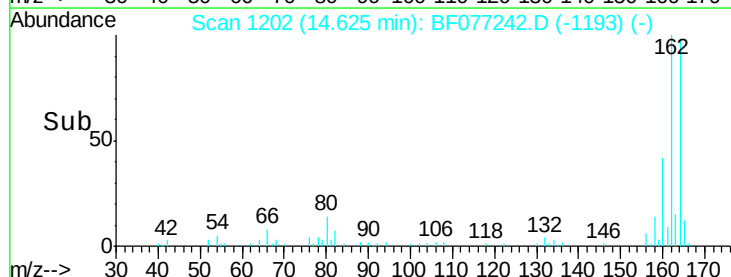
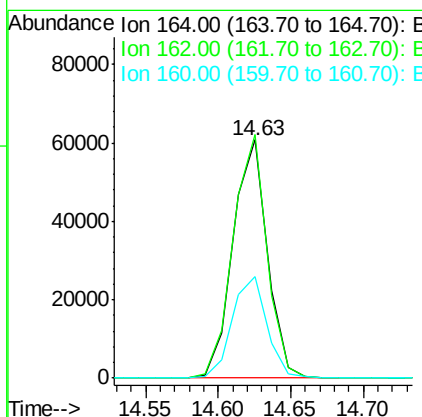
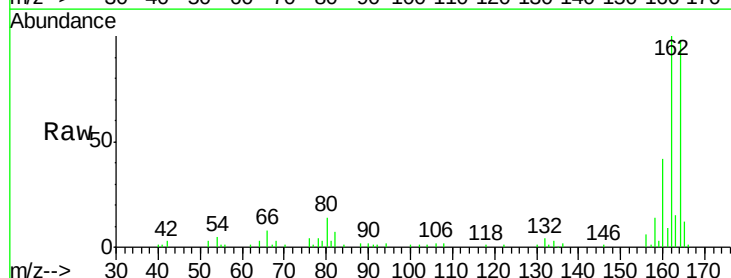
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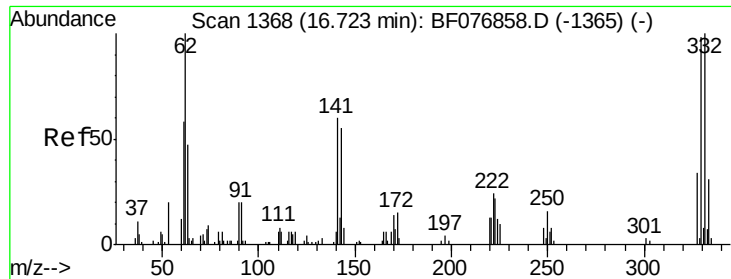
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF077242.D
 Acq: 10 Feb 2015 19:15

Tgt Ion	164	Resp	99940
Ion Ratio	100	Lower	Upper
164	100		
162	102.2	82.4	123.6
160	42.8	34.8	52.2





#41

2,4,6-Tribromophenol

Concen: 22.67 ng

RT: 16.37 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

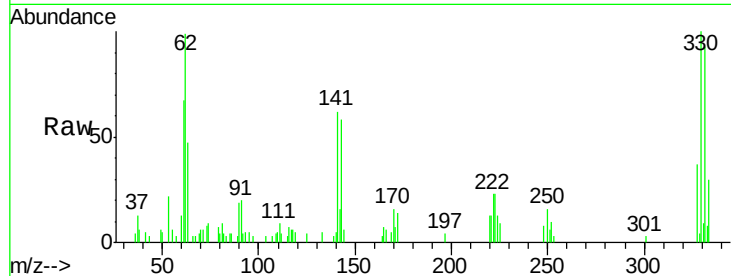
ClientSampleId :

UB11A

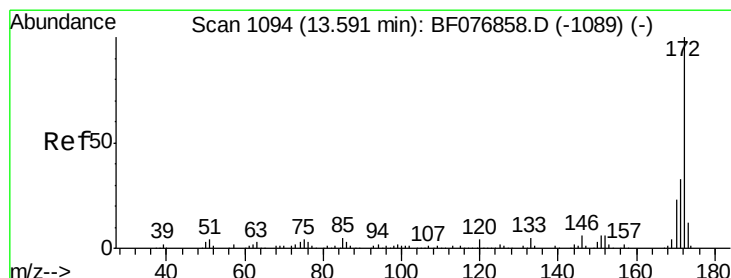
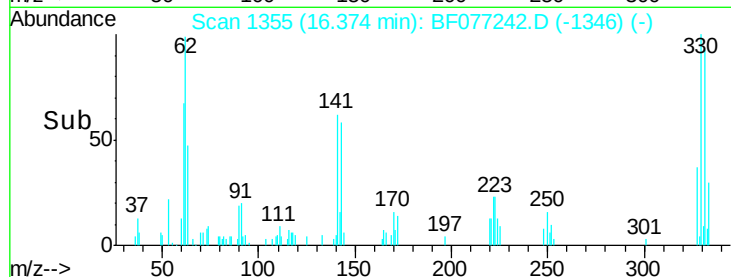
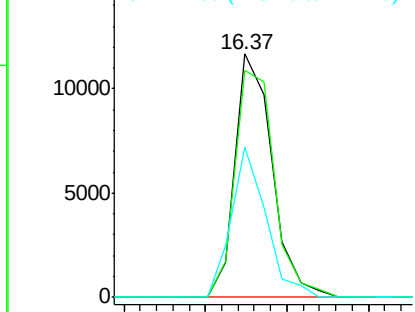
Tot Ion:	330	Resp:	18388
Ion Ratio	Lower	Upper	
330	100		
332	98.9	77.8	116.6
141	57.8	38.5	57.7#

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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: 30.20 ng

RT: 13.16 min Scan# 1074

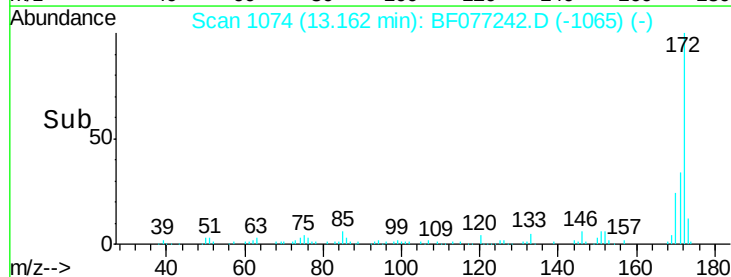
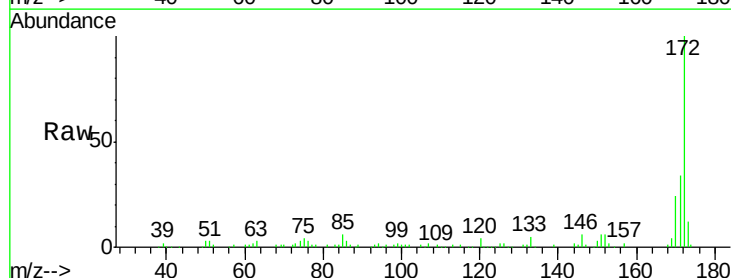
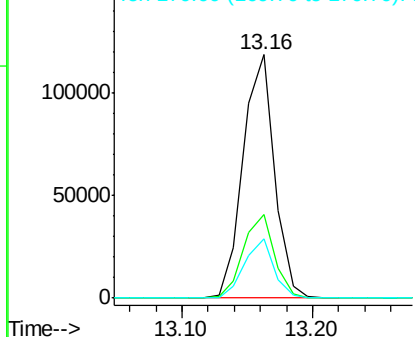
Delta R.T. 0.00 min

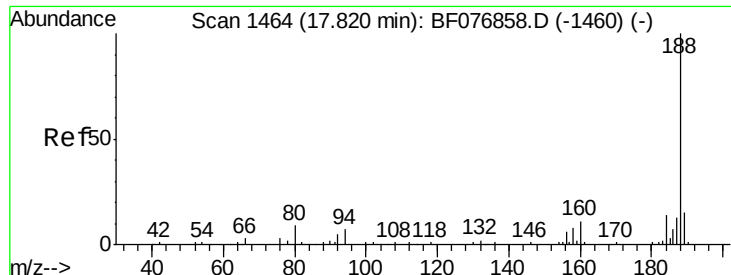
Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Tgt Ion:	172	Resp:	198337
Ion Ratio	Lower	Upper	
172	100		
171	34.3	26.6	40.0
170	24.4	18.0	27.0

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





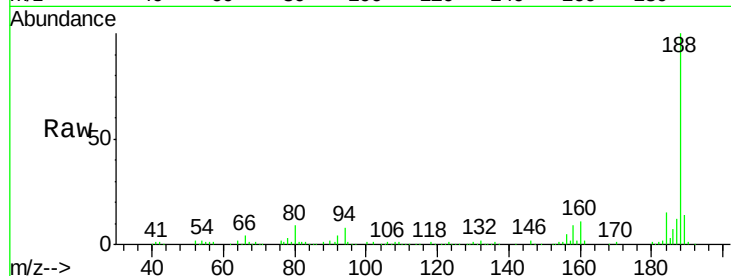
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.51 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Instrument :
BNA_F
ClientSampleId :
UB11A

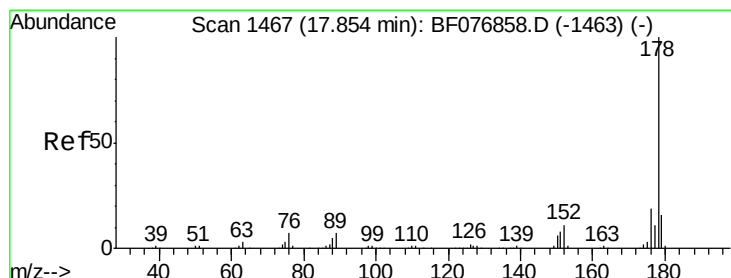
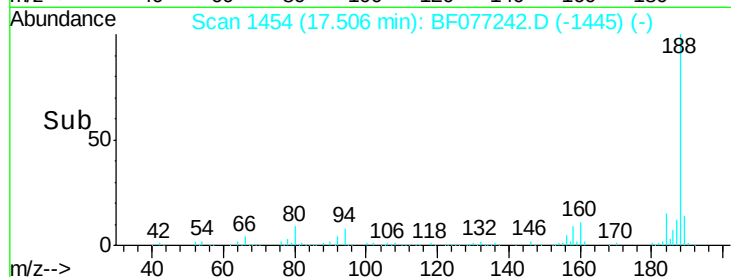
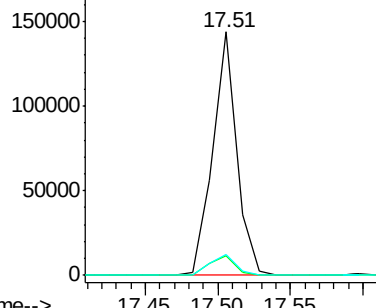
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	6.0	9.0
80	8.7	6.9	10.3

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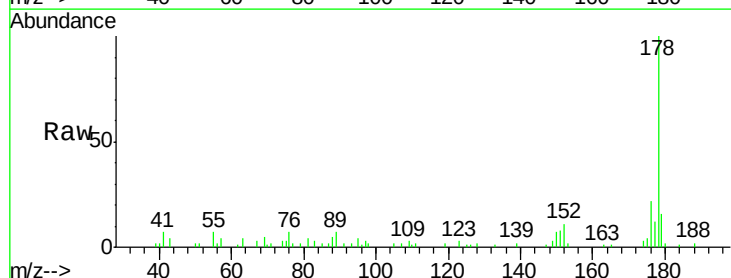


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

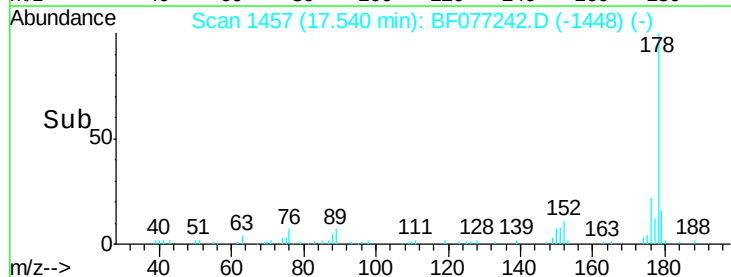
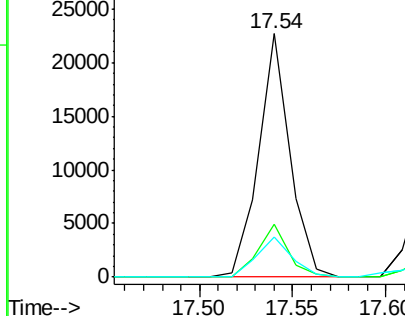


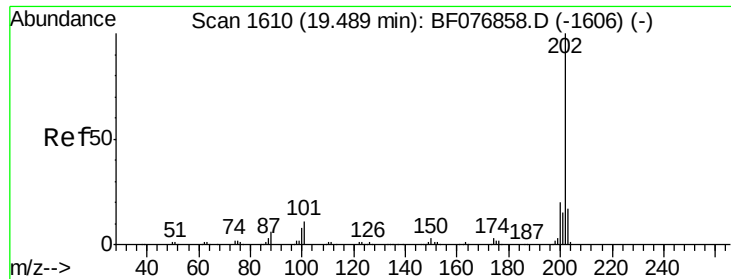
#70
Phenanthrene
Concen: 2.57 ng
RT: 17.54 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	21.6	15.1	22.7
179	16.5	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.25 ng

RT: 19.20 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

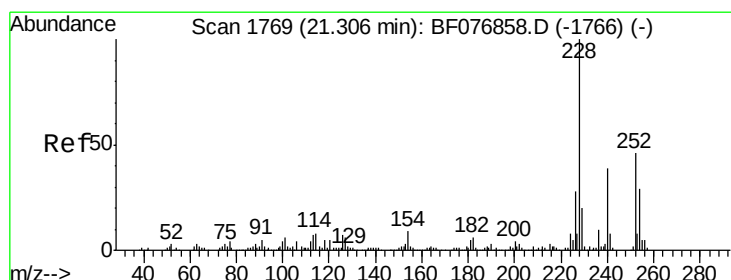
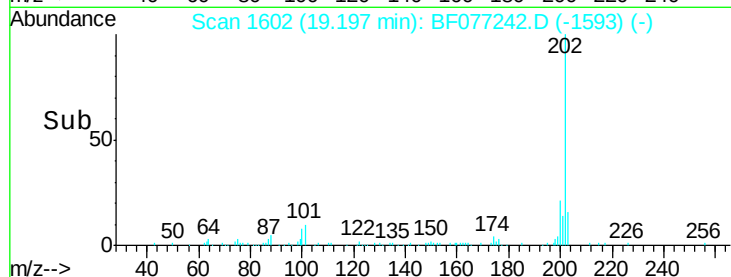
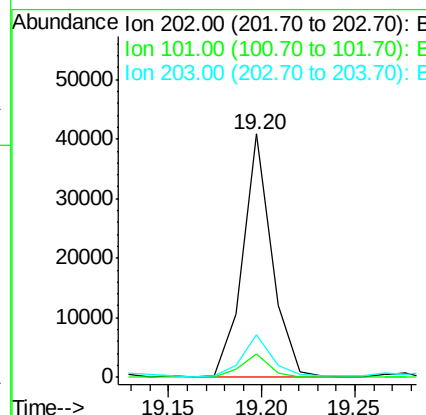
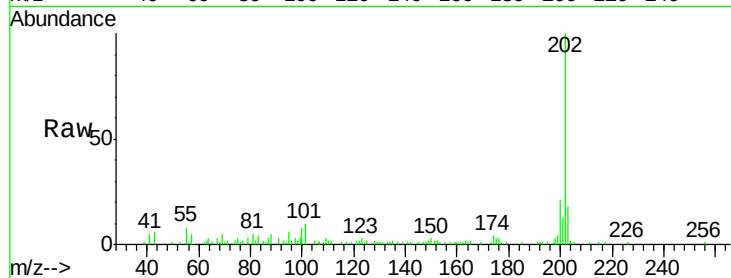
ClientSampled :

UB11A

Tot Ion:	202	Resp:	44702
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.7
203	17.7	0.0	36.9

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#75

Chrysene-d12

Concen: 20.00 ng

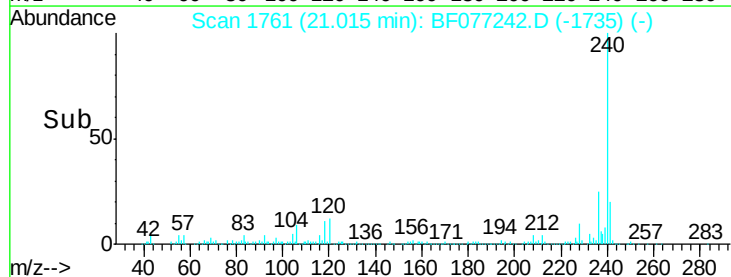
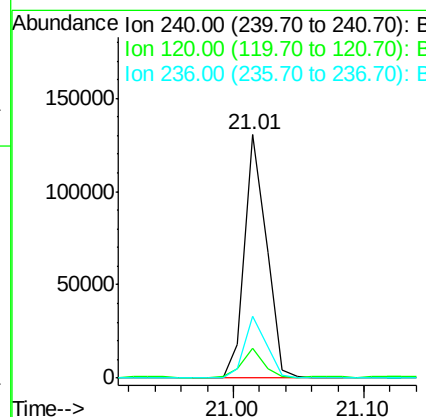
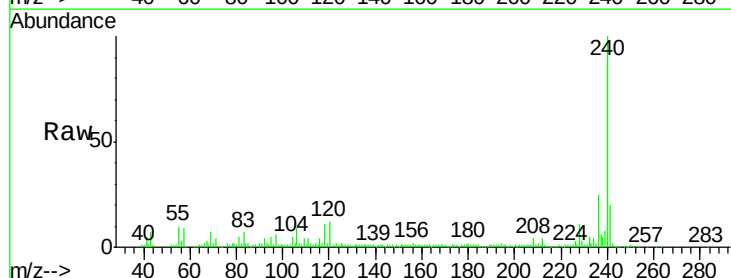
RT: 21.01 min Scan# 1761

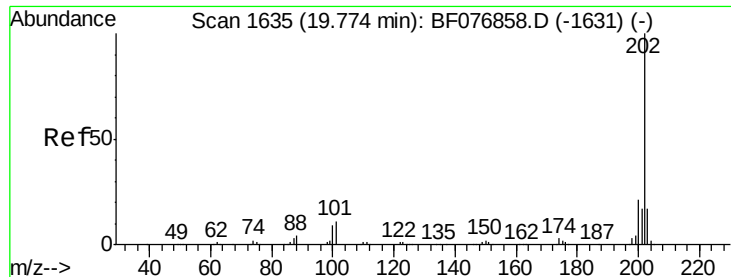
Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Tgt Ion:	240	Resp:	152656
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.4	15.6
236	25.2	20.2	30.2





#77

Pvrene

Concen: 4.40 ng

RT: 19.48 min Scan# 1627

Delta R.T. 0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

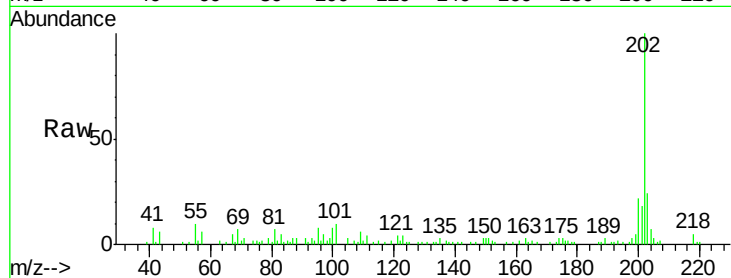
ClientSampleId :

UB11A

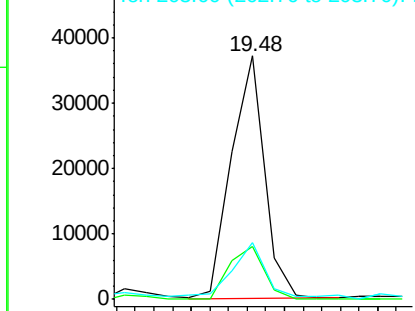
Tot Ion:	202	Resp:	46046
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.7	25.1
203	23.5	14.0	21.0

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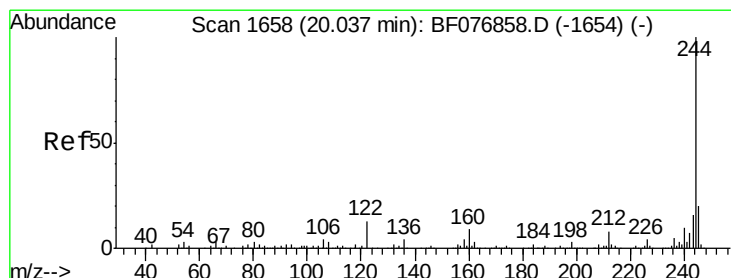
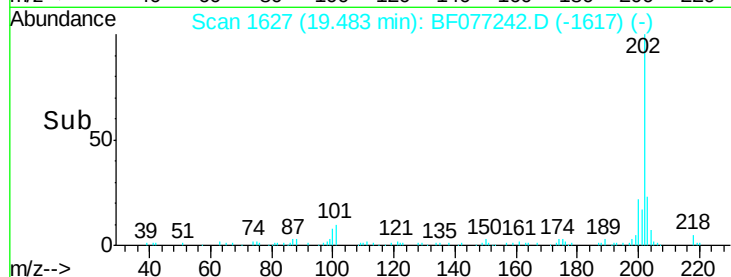
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 30.37 ng

RT: 19.76 min Scan# 1651

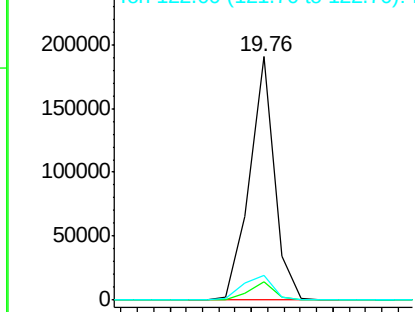
Delta R.T. 0.00 min

Lab File: BF077242.D

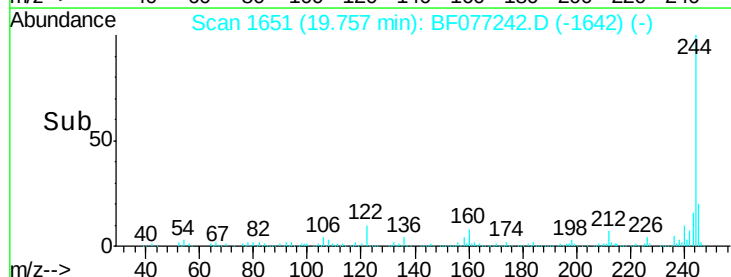
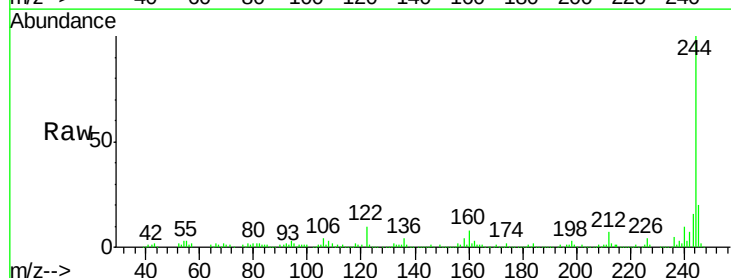
Acq: 10 Feb 2015 19:15

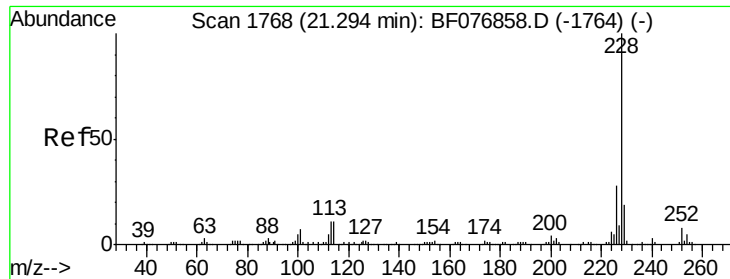
Tgt Ion:	244	Resp:	201372
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.3	9.5
122	10.2	10.1	15.1

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





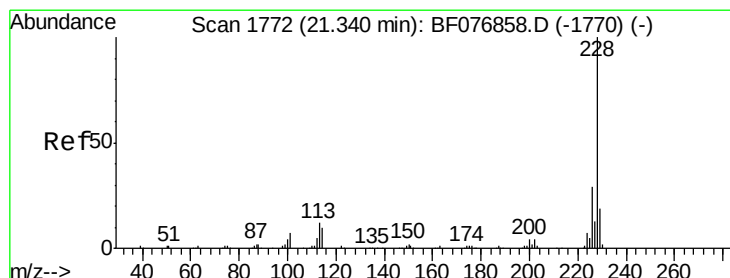
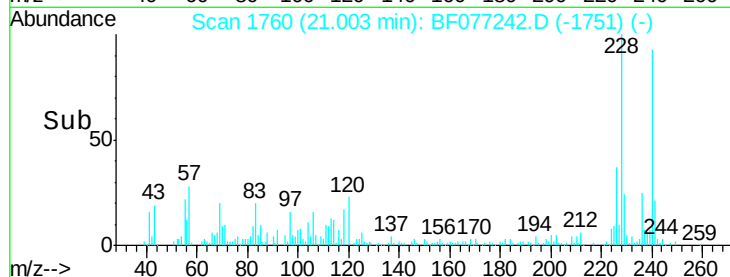
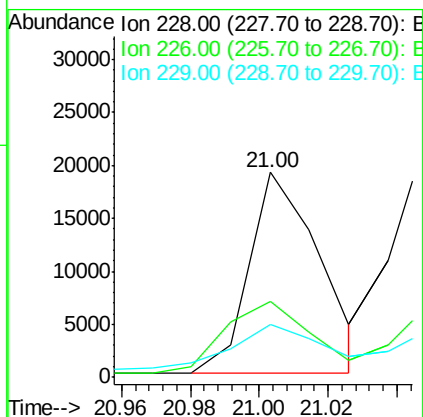
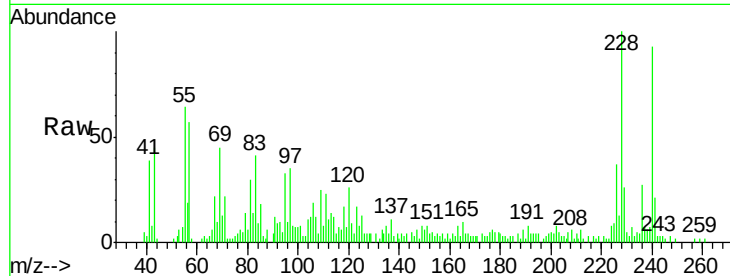
#80
Benzo(a)anthracene
Concen: 2.83 ng m
RT: 21.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Instrument :
BNA_F
ClientSampleId :
UB11A

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.8	22.1	33.1#
229	26.0	15.5	23.3#

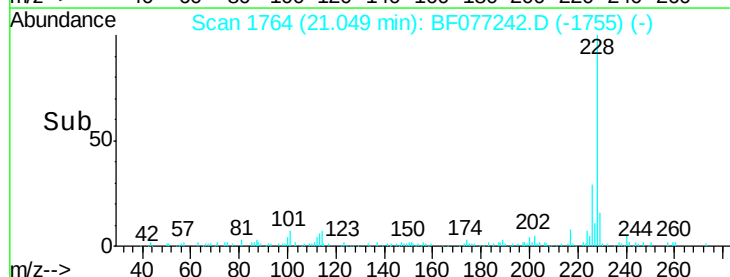
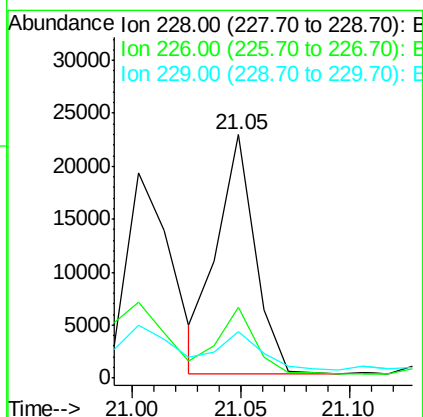
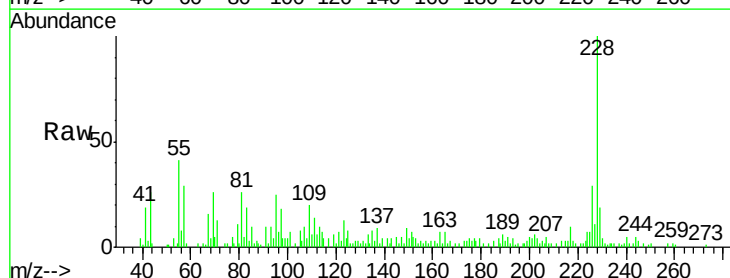
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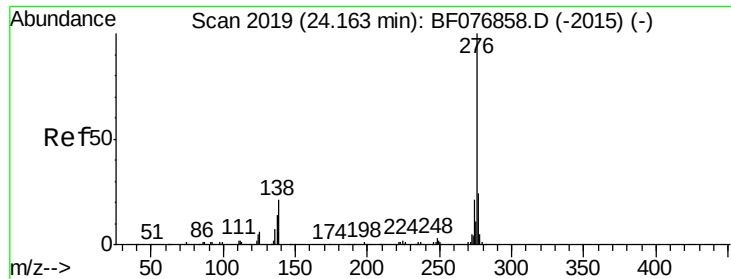
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#82
Chrysene
Concen: 3.11 ng
RT: 21.05 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.0
229	19.0	15.4	23.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.24 ng

RT: 23.72 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

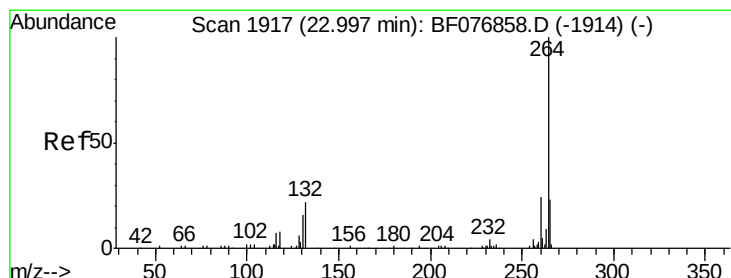
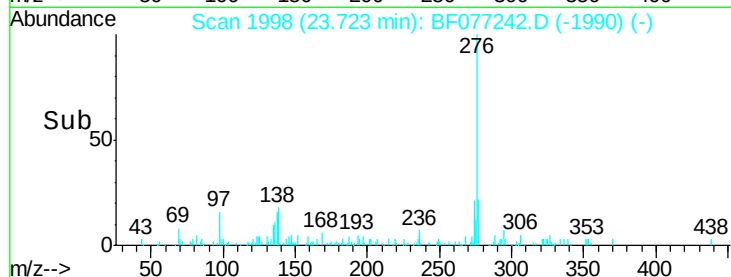
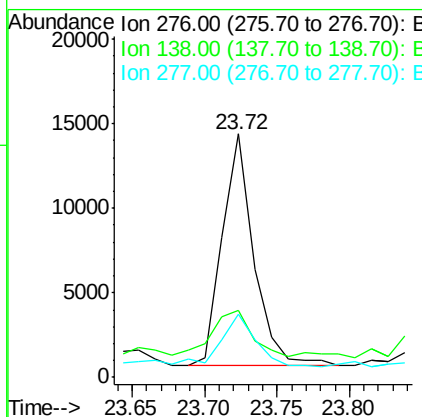
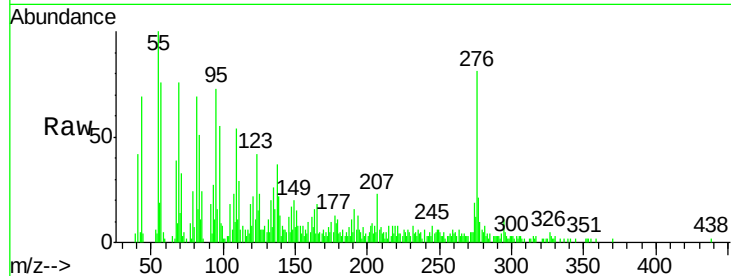
ClientSampleId :

UB11A

Tot Ion:	276	Resp:	20713
Ion Ratio	Lower	Upper	
276	100		
138	25.4	14.6	22.0#
277	25.6	14.8	22.2#

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#86

Perylene-d12

Concen: 20.00 ng

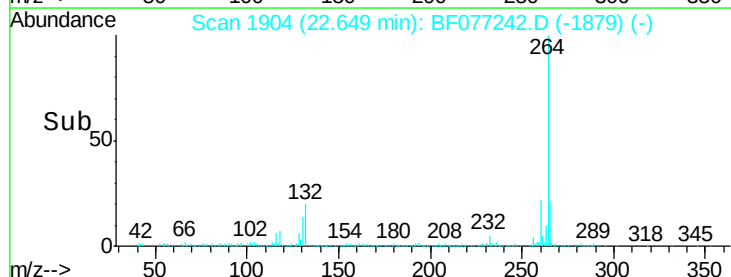
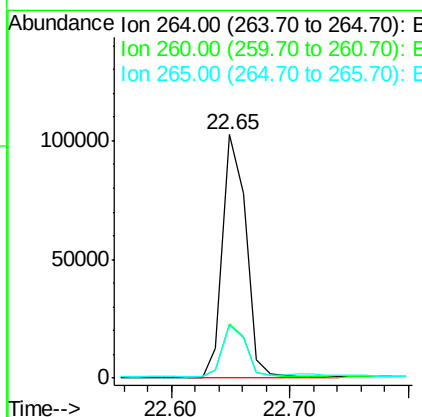
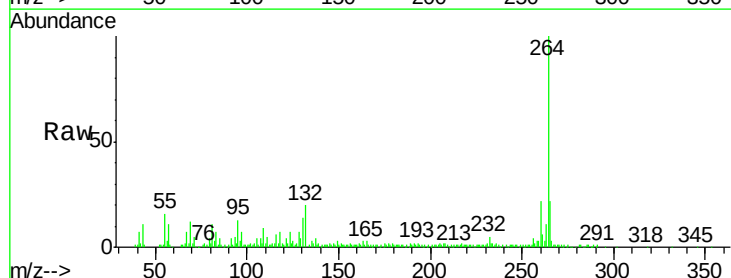
RT: 22.65 min Scan# 1904

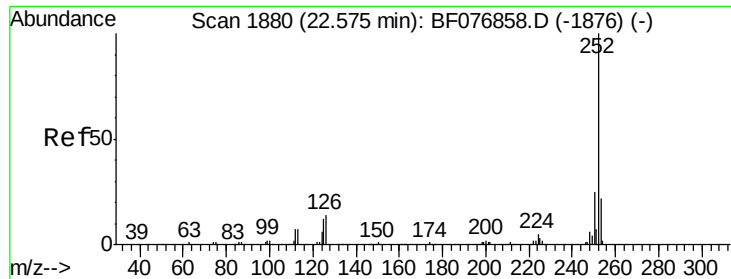
Delta R.T. -0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Tgt Ion:	264	Resp:	141987
Ion Ratio	Lower	Upper	
264	100		
260	22.2	19.0	28.4
265	22.0	18.1	27.1





#87

Benzo(b)fluoranthene

Concen: 4.47 ng/mL

RT: 22.25 min Scan# 1869

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

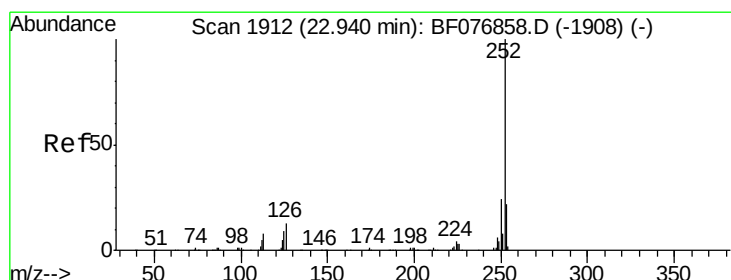
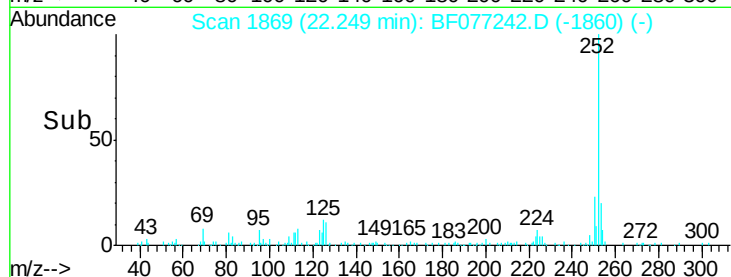
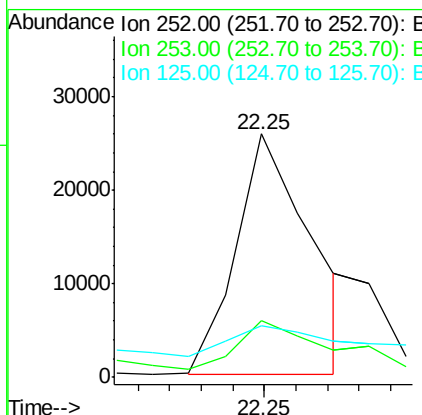
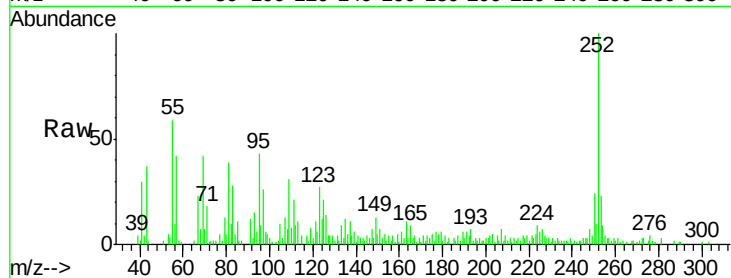
ClientSampleId :

UB11A

Tot Ion:	252	Resp:	42703
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	21.0	9.4	14.0

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#89

Benzo(a)pyrene

Concen: 2.71 ng/mL

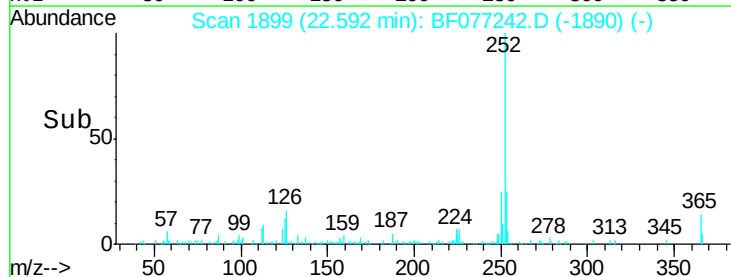
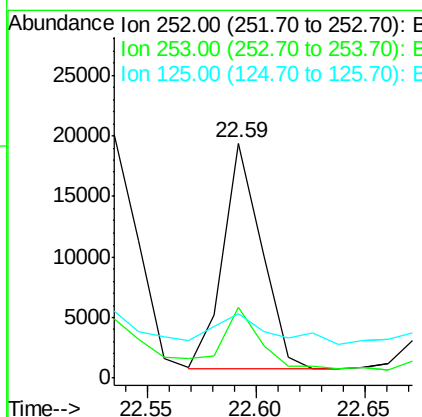
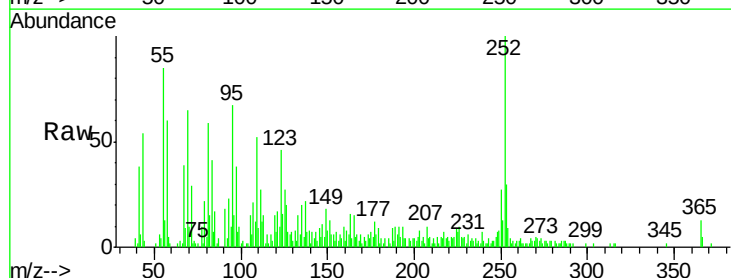
RT: 22.59 min Scan# 1899

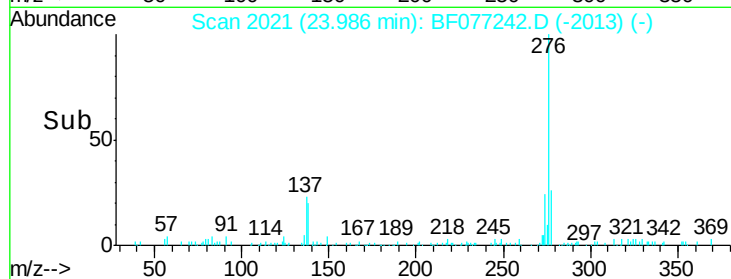
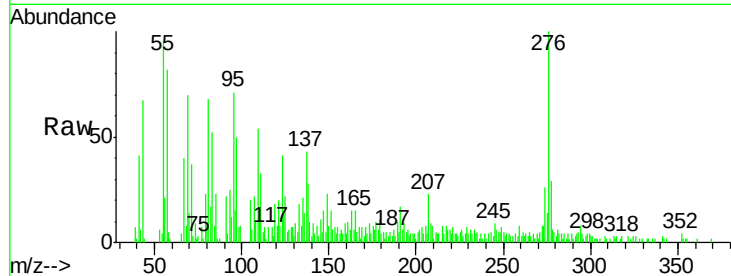
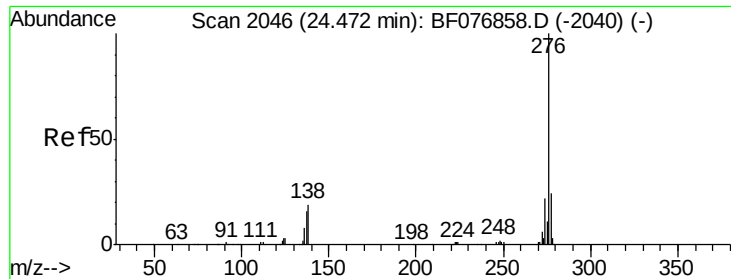
Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Tgt Ion:	252	Resp:	22868
Ion Ratio	Lower	Upper	
252	100		
253	30.3	17.9	26.9
125	27.2	7.2	10.8





#91
Benzo(a,h,i)perylene
Concen: 3.13 ng
RT: 23.99 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Instrument :
BNA_F
ClientSampleId :
UB11A

Tot Ion	Ratio	Resp	Lower	Upper
276	100	24107		
277	29.3		19.5	29.3
138	27.7		15.0	22.6

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