

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
 Data File : BF077280.D
 Acq On : 12 Feb 2015 10:10
 Operator : TP/IZ
 Sample : G1254-05RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

Manual Integrations
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Quant Time: Feb 12 12:14:46 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	7.55	152	48674	20.00	ng	-0.05
21) Naphthalene-d8	10.45	136	205077	20.00	ng	-0.05
38) Acenaphthene-d10	14.58	164	108011	20.00	ng	-0.05
63) Phenanthrene-d10	17.47	188	180189	20.00	ng	-0.03
75) Chrysene-d12	20.99	240	187049	20.00	ng	-0.02
86) Perylene-d12	22.64	264	162684	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.57	112	126523	42.74	ng	-0.02
7) Phenol-d6	6.99	99	176734	47.32	ng	-0.02
23) Nitrobenzene-d5	8.85	82	88707	23.96	ng	-0.05
41) 2,4,6-Tribromophenol	16.34	330	20757	23.67	ng	-0.03
44) 2-Fluorobiphenyl	13.12	172	226138	31.86	ng	-0.05
78) Terphenyl-d14	19.72	244	224192	27.59	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	17.51	178	30949	2.75	ng	98
74) Fluoranthene	19.16	202	51072	4.44	ng	97
77) Pyrene	19.45	202	54521	4.25	ng	# 94
80) Benzo(a)anthracene	20.98	228	31350m	2.67	ng	
82) Chrysene	21.01	228	32721m	3.06	ng	
85) Indeno(1,2,3-cd)pyrene	23.71	276	23697	2.09	ng	# 80
87) Benzo(b)fluoranthene	22.23	252	44363m	4.05	ng	
89) Benzo(a)pyrene	22.57	252	28700	2.97	ng	# 81
91) Benzo(g,h,i)perylene	23.97	276	29341	3.33	ng	# 87

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

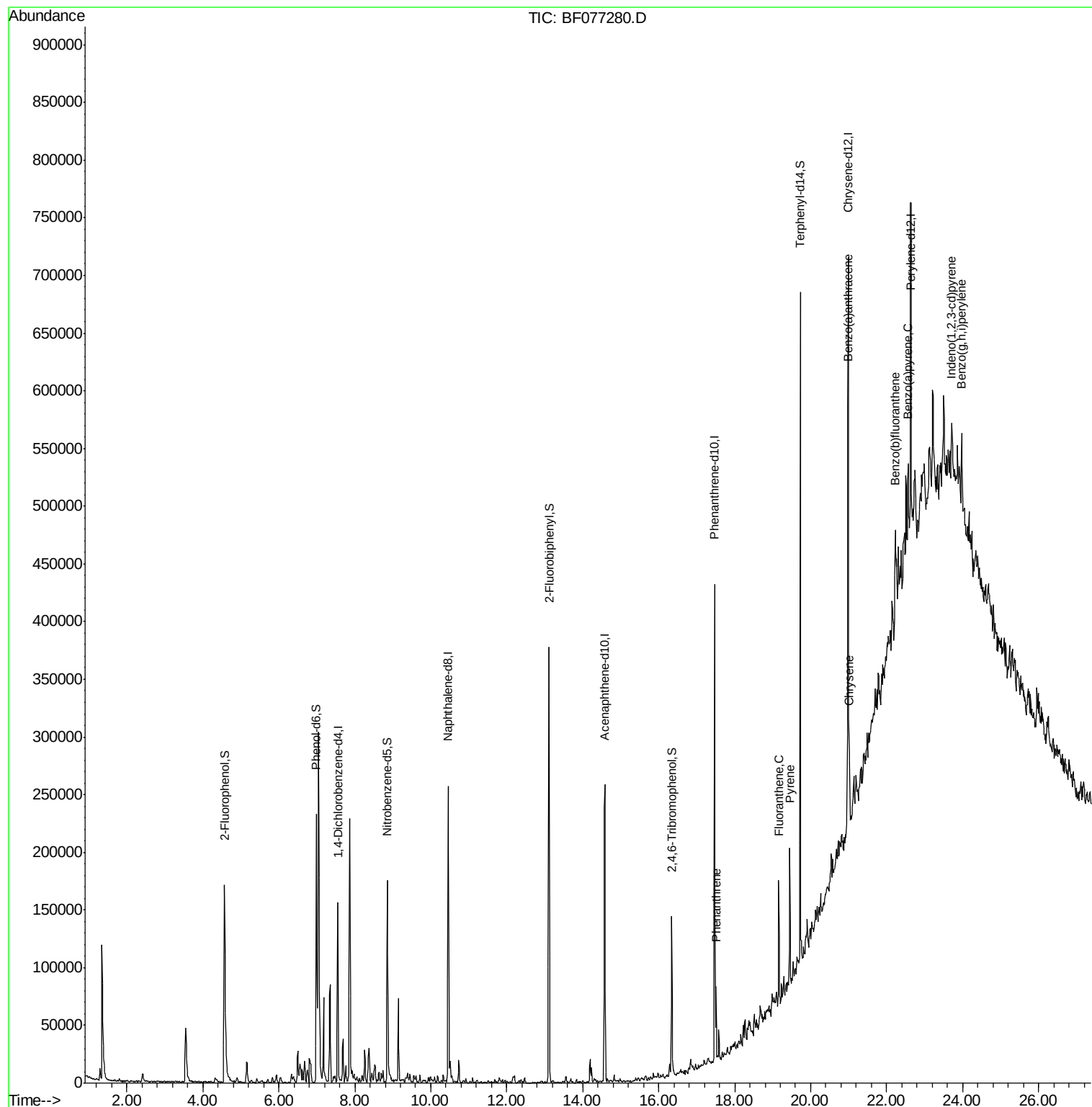
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077280.D
Acq On : 12 Feb 2015 10:10
Operator : TP/IZ
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Misc :
ALS Vial : 29 Sample Multiplier: 1

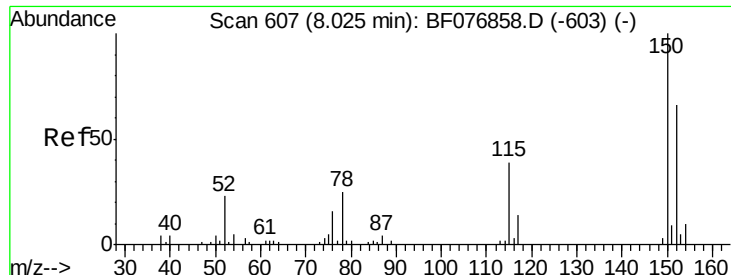
Instrument :
BNA_F
ClientSampleId :
UB11ARE

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Quant Time: Feb 12 12:14:46 2015
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#1

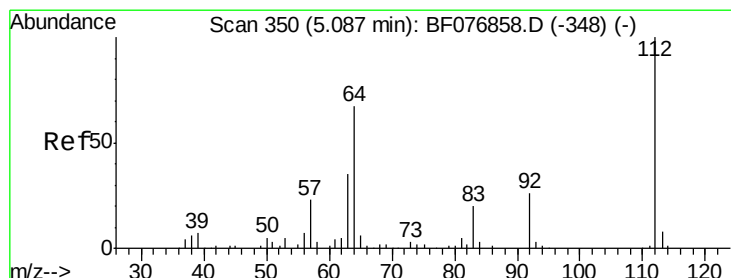
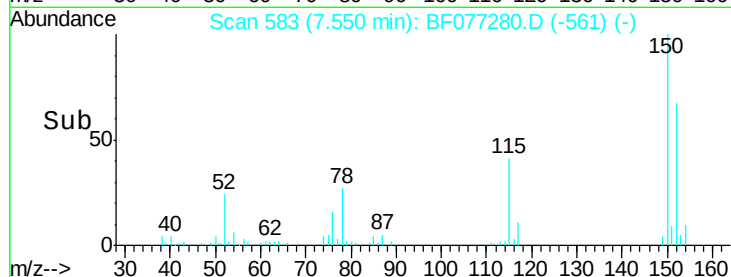
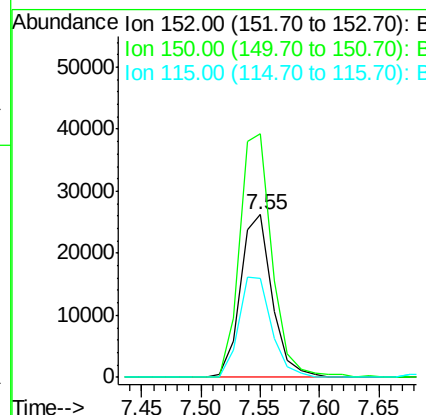
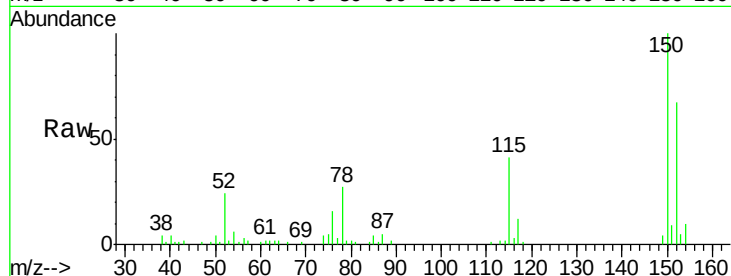
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 583
Delta R.T. -0.05 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.7	121.7	182.5
115	61.0	47.0	70.6

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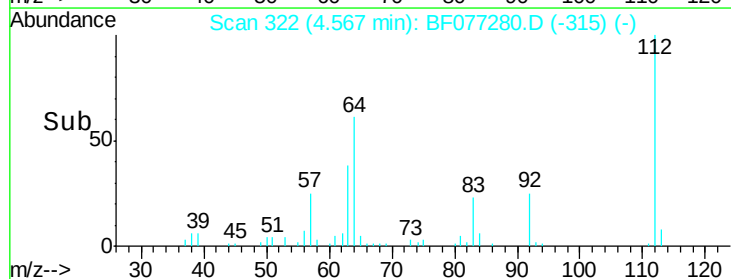
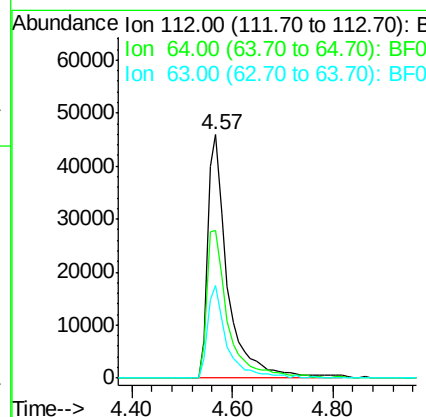
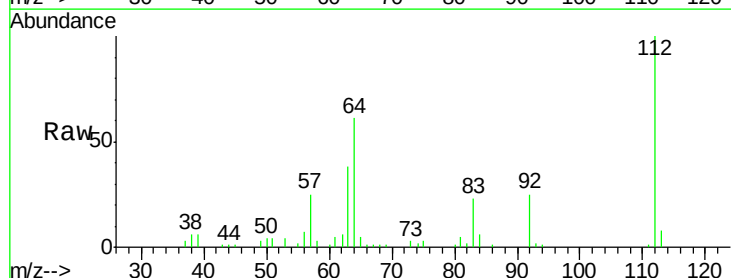
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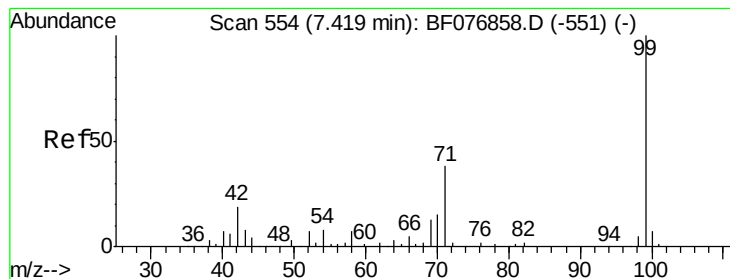


#5

2-Fluorophenol
Concen: 42.74 ng
RT: 4.57 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	54.2	81.4
63	38.0	28.4	42.6





#7

Phenol-d6

Concen: 47.32 ng

RT: 6.99 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

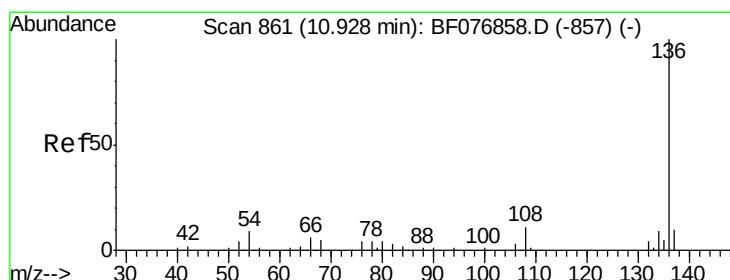
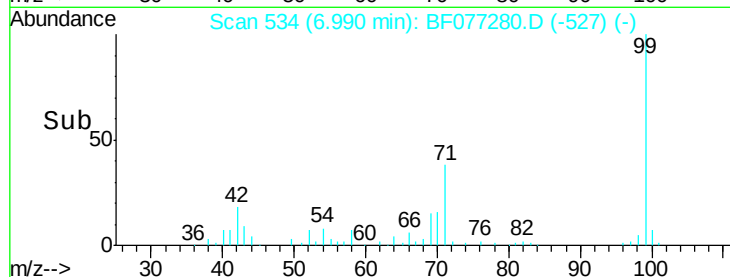
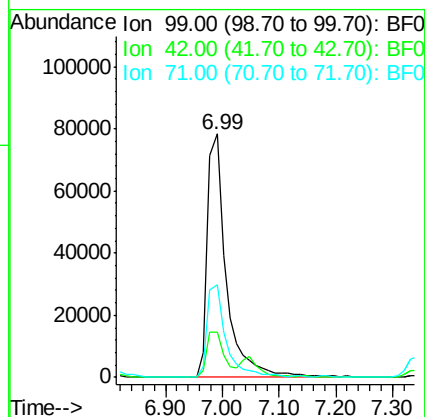
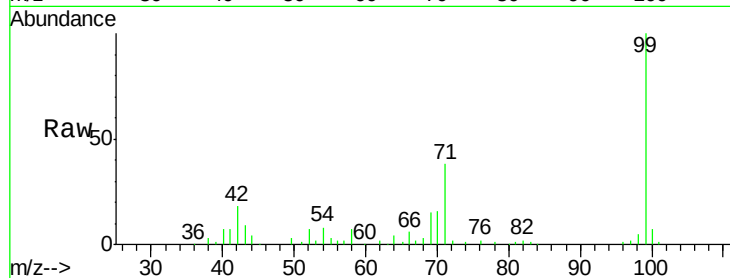
ClientSampled :

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Tgt Ion:	99	Resp:	176734
Ion Ratio	Lower	Upper	
99	100		
42	18.3	15.0	22.4
71	38.0	30.5	45.7

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#21

Naphthalene-d8

Concen: 20.00 ng

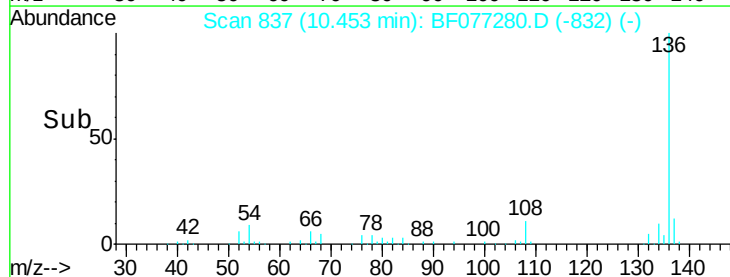
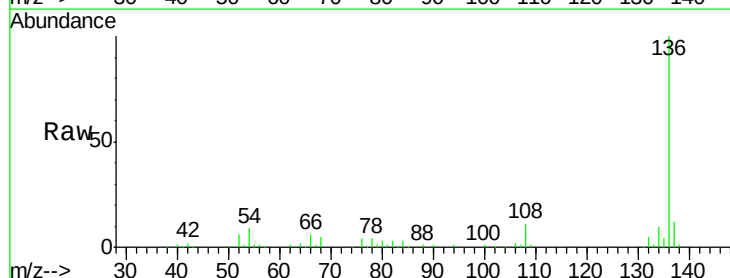
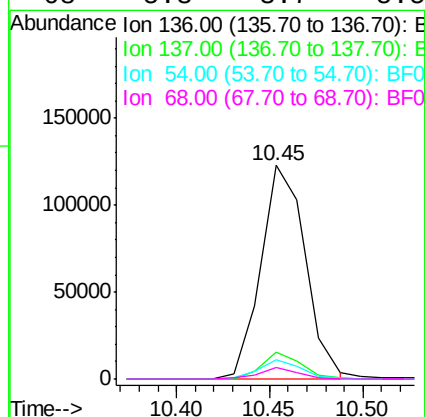
RT: 10.45 min Scan# 837

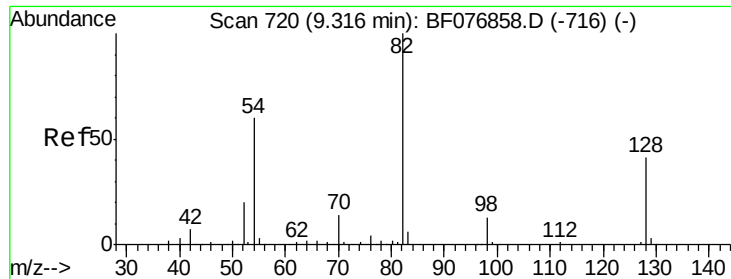
Delta R.T. -0.05 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Tgt Ion:	136	Resp:	205077
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.1	12.1#
54	9.1	7.0	10.4
68	5.3	3.7	5.5





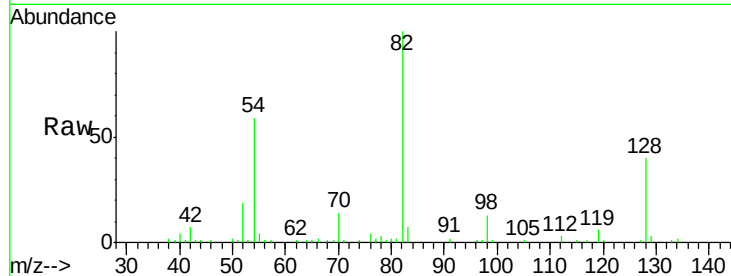
#23
 Nitrobenzene-d5
 Concen: 23.96 ng
 RT: 8.85 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
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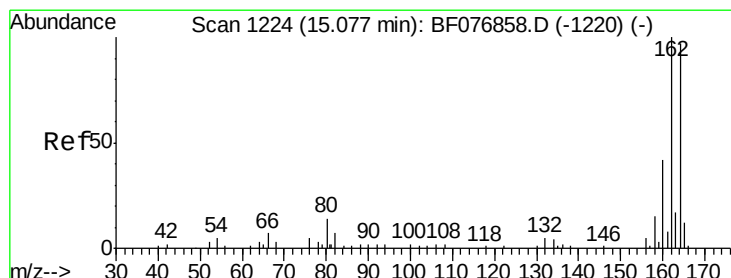
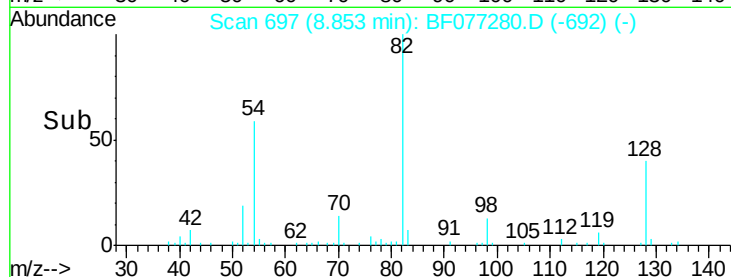
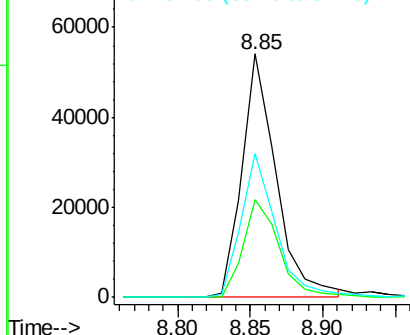
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	40.1	33.1	49.7
54	59.2	48.3	72.5

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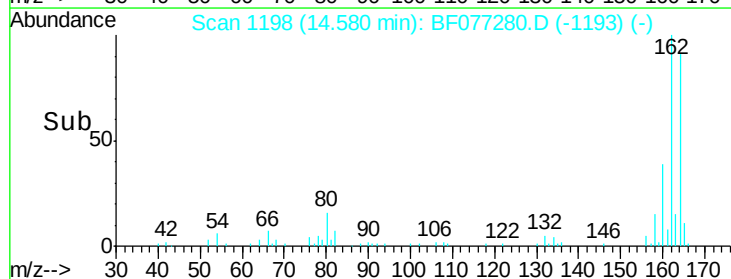
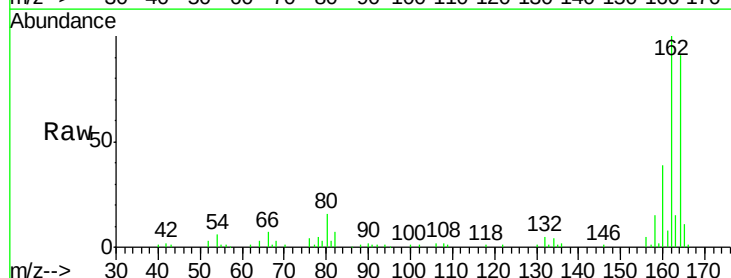
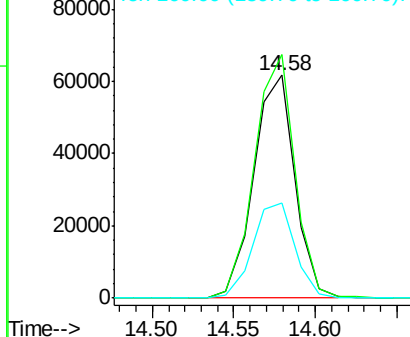
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

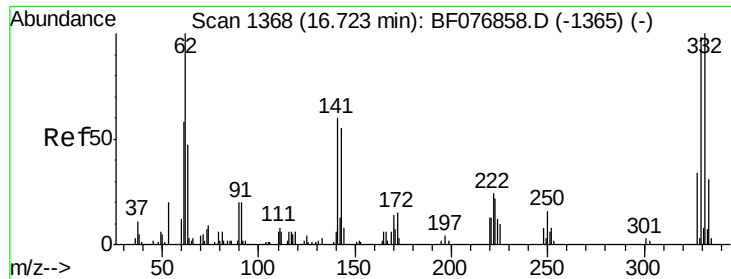


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.58 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	109.4	82.4	123.6
160	42.6	34.8	52.2

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: 23.67 ng

RT: 16.34 min Scan# 1352

Delta R.T. -0.03 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

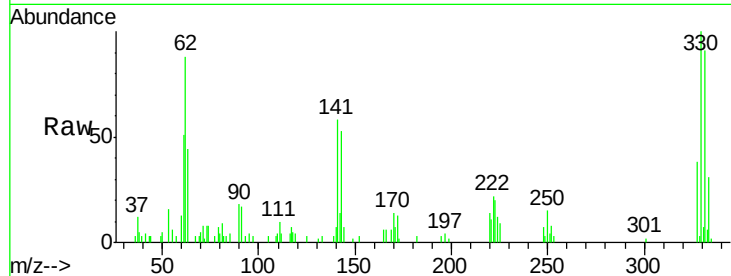
ClientSampleId :

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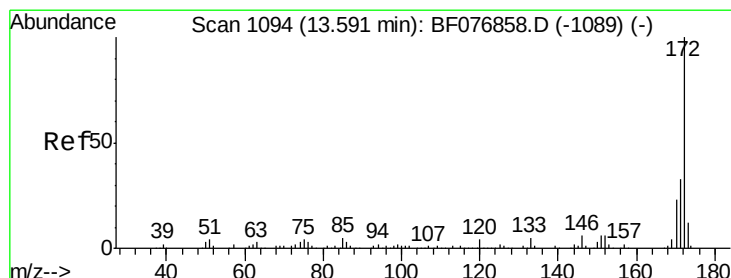
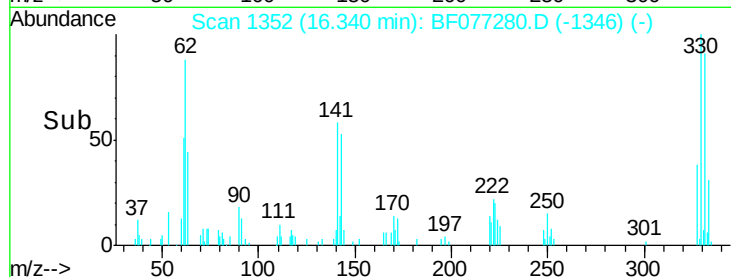
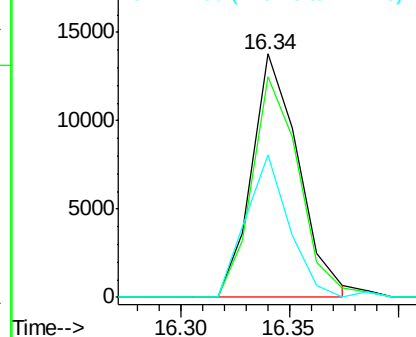
Tgt Ion:	330	Resp:	20757
Ion Ratio	Lower	Upper	
330	100		
332	90.1	77.8	116.6
141	53.5	38.5	57.7

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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: 31.86 ng

RT: 13.12 min Scan# 1070

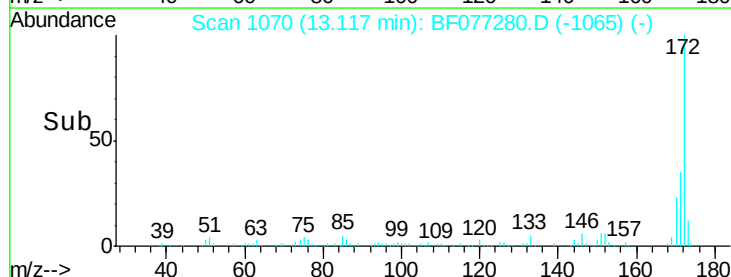
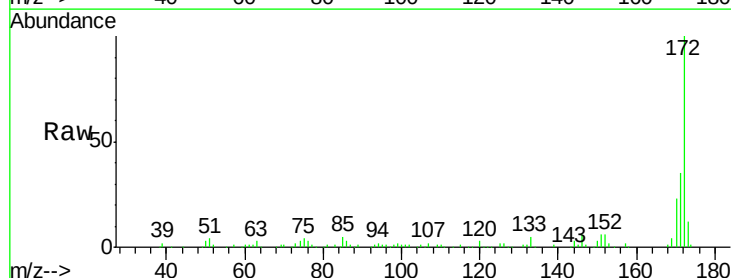
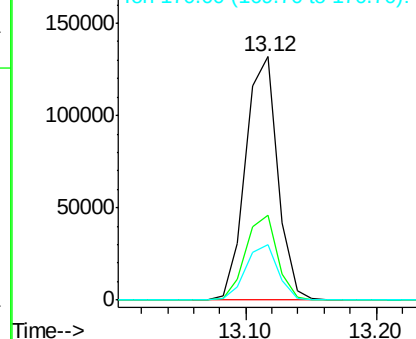
Delta R.T. -0.05 min

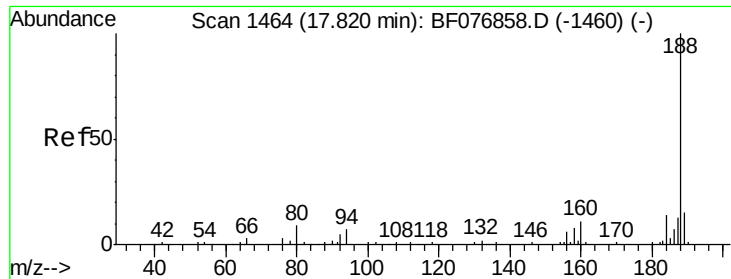
Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Tgt Ion:	172	Resp:	226138
Ion Ratio	Lower	Upper	
172	100		
171	34.9	26.6	40.0
170	22.9	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





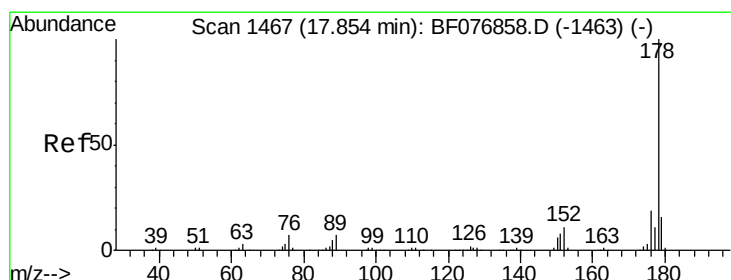
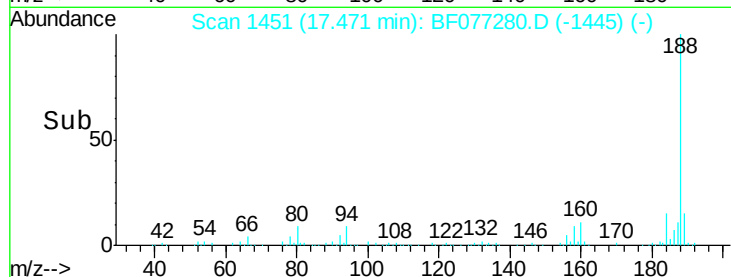
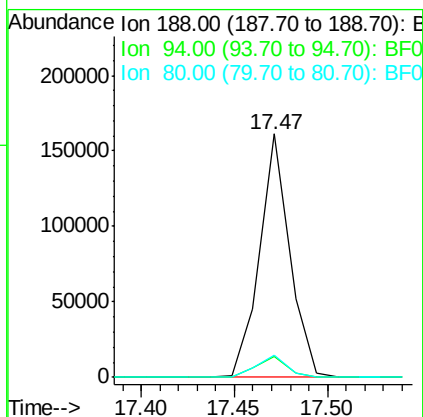
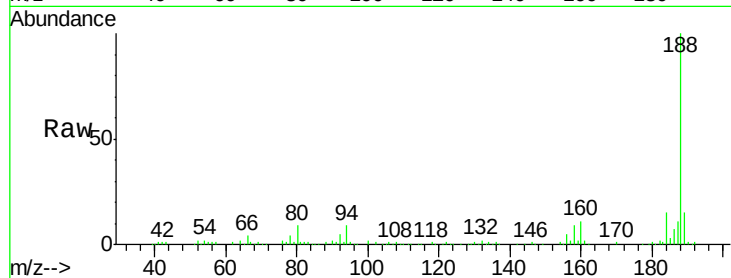
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 1451
Delta R.T. -0.03 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	6.0	9.0
80	9.3	6.9	10.3

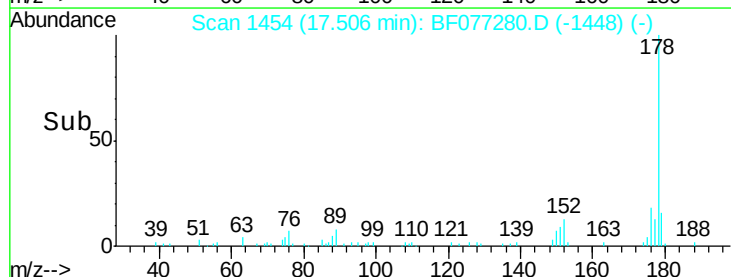
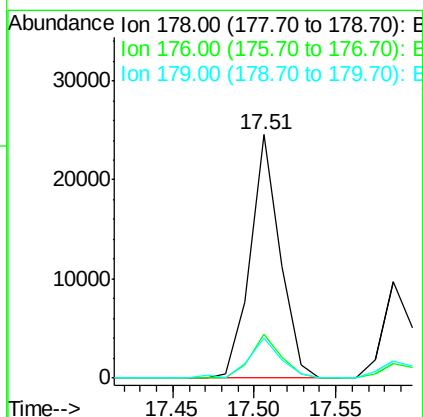
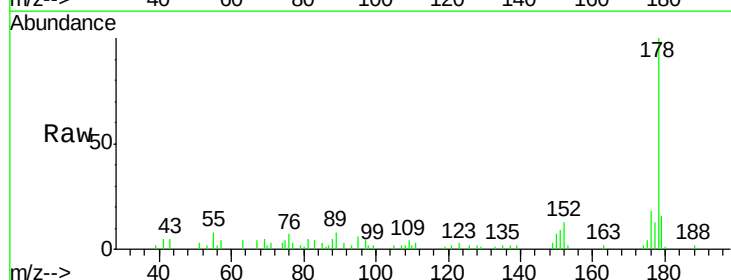
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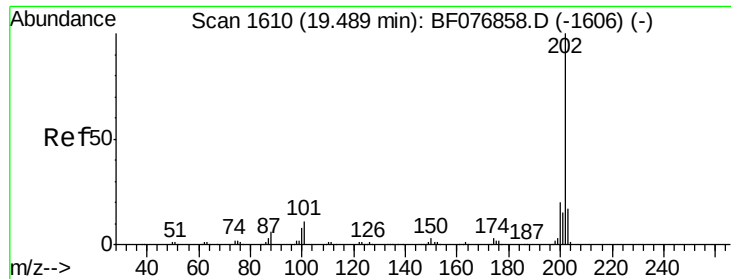
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#70
Phenanthrene
Concen: 2.75 ng
RT: 17.51 min Scan# 1454
Delta R.T. -0.03 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.8	15.1	22.7
179	16.4	12.7	19.1





#74

Fluoranthene

Concen: 4.44 ng

RT: 19.16 min Scan# 1599

Delta R.T. -0.03 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

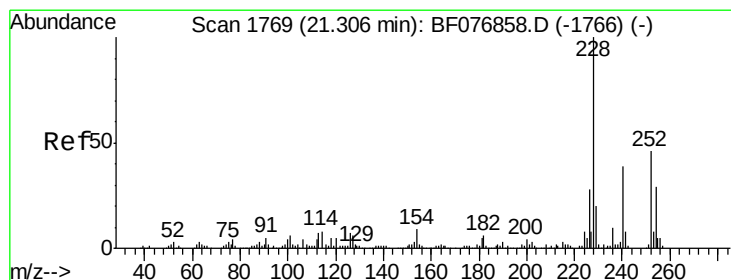
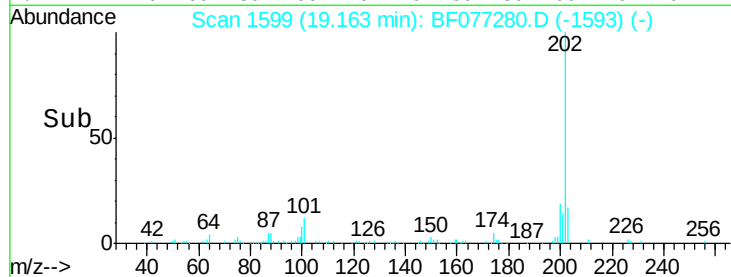
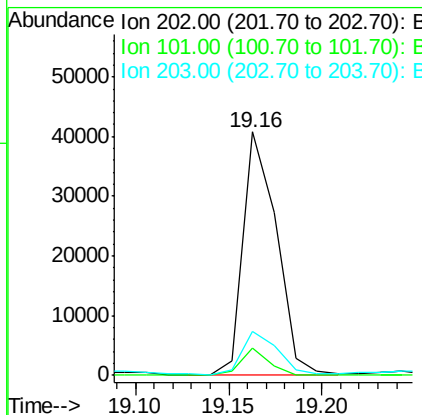
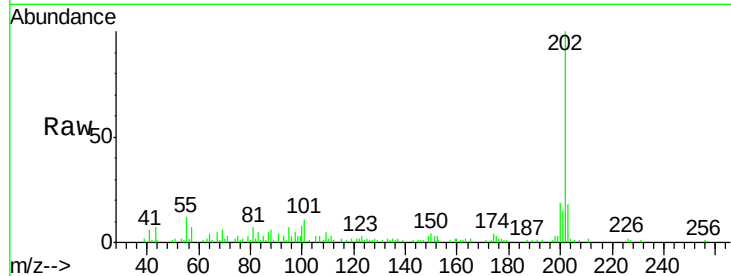
ClientSampled :

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Tgt Ion:	202	Resp:	51072
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	30.7
203	18.2	0.0	36.9

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#75

Chrysene-d12

Concen: 20.00 ng

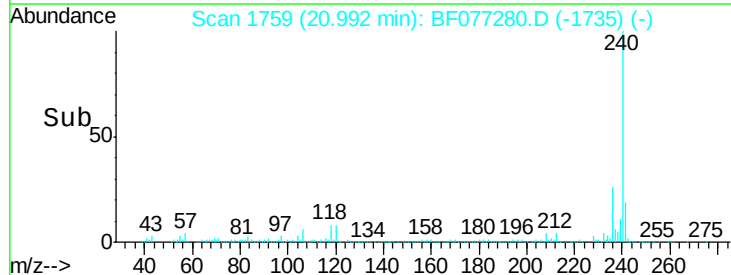
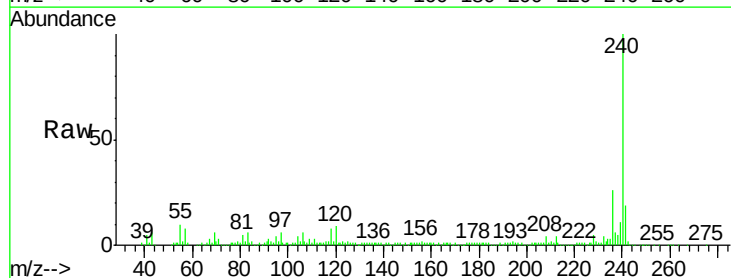
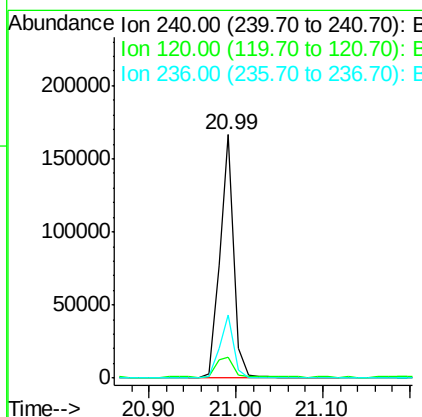
RT: 20.99 min Scan# 1759

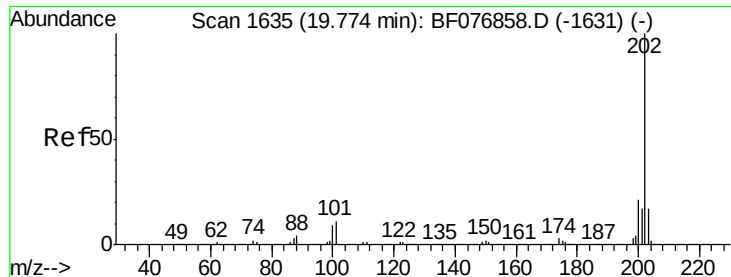
Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Tgt Ion:	240	Resp:	187049
Ion Ratio	Lower	Upper	
240	100		
120	8.5	10.4	15.6#
236	26.1	20.2	30.2





#77

Pyrene

Concen: 4.25 ng

RT: 19.45 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

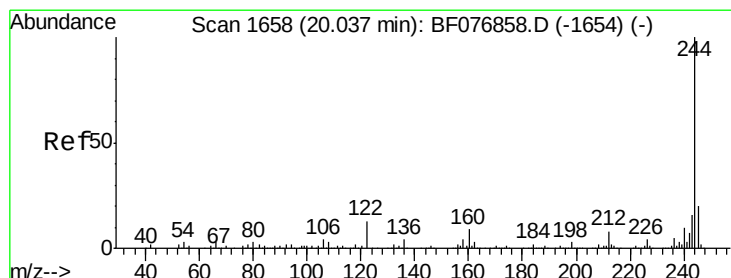
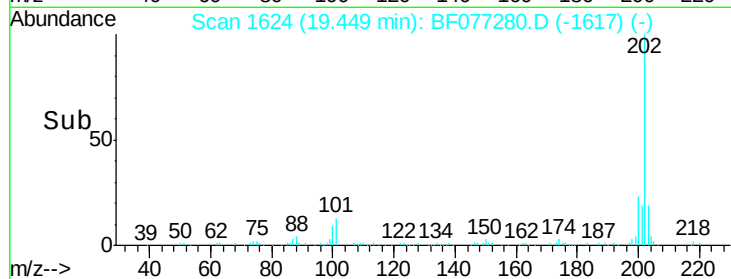
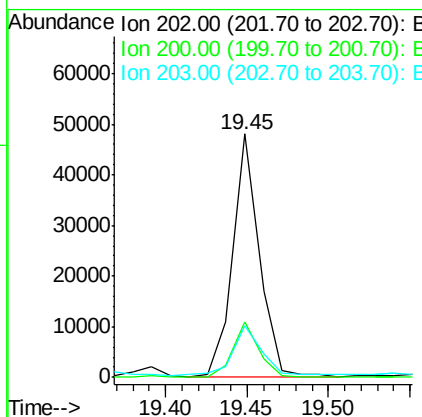
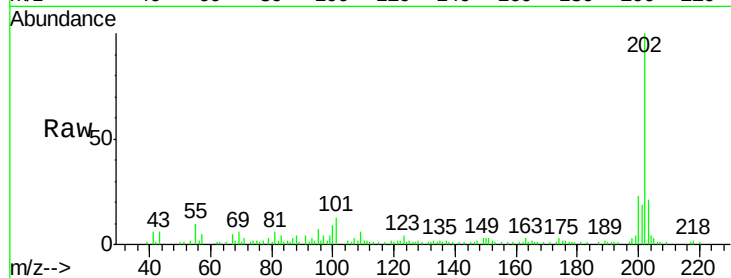
ClientSampleId :

UB11ARE

Tgt Ion:	202	Resp:	54521
Ion Ratio	Lower	Upper	
202	100		
200	22.5	16.7	25.1
203	21.5	14.0	21.0

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#78

Terphenyl-d14

Concen: 27.59 ng

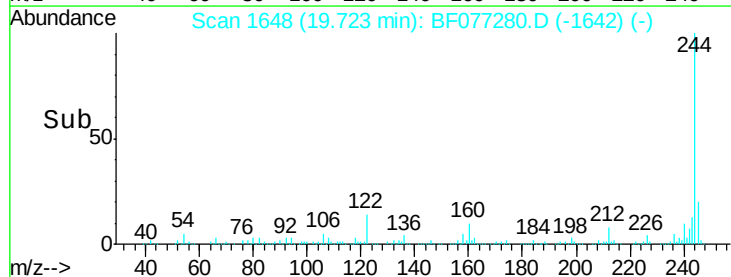
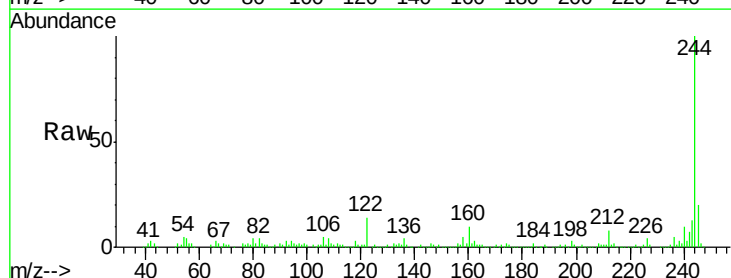
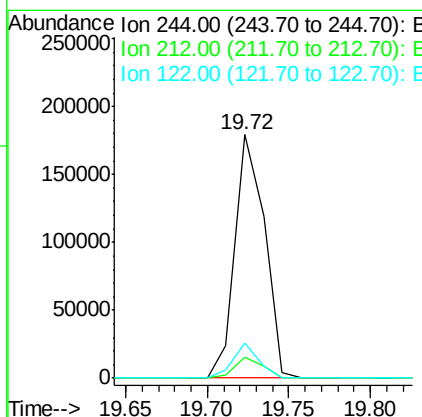
RT: 19.72 min Scan# 1648

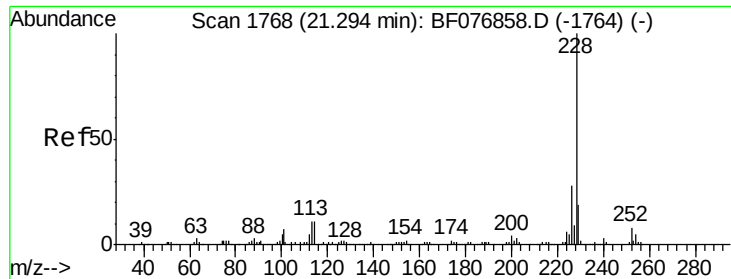
Delta R.T. -0.03 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Tgt Ion:	244	Resp:	224192
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.3	9.5
122	14.4	10.1	15.1





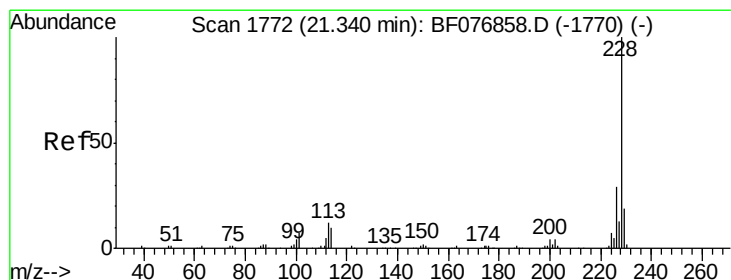
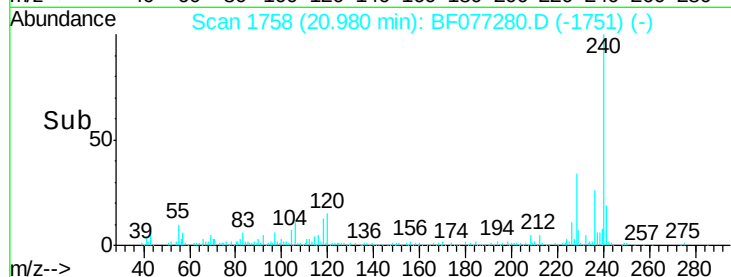
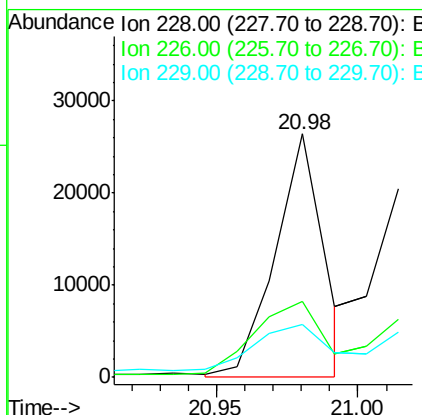
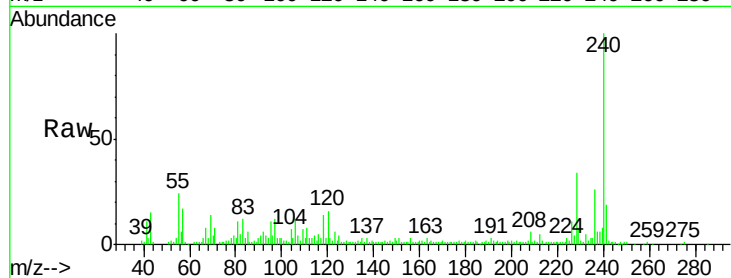
#80
Benzo(a)anthracene
Concen: 2.67 ng m
RT: 20.98 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Instrument :
BNA_F
ClientSampleId :
UB11ARE

Tgt Ion:	228	Resp:	31350
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.1	33.1
229	22.0	15.5	23.3

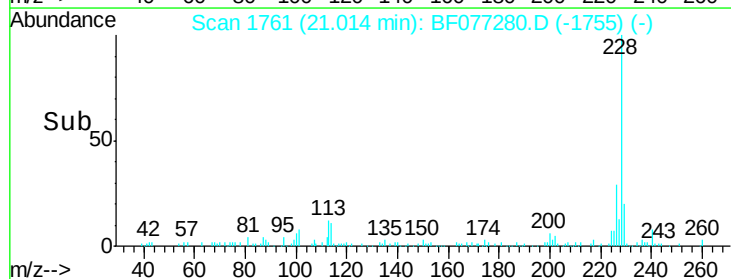
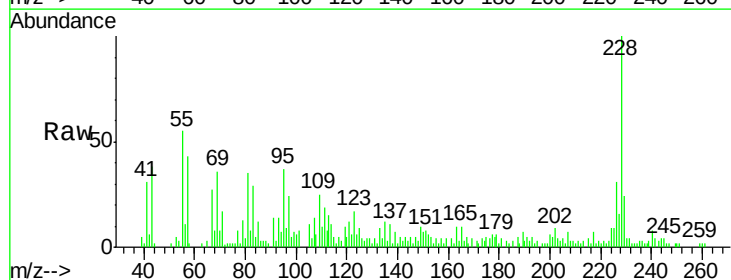
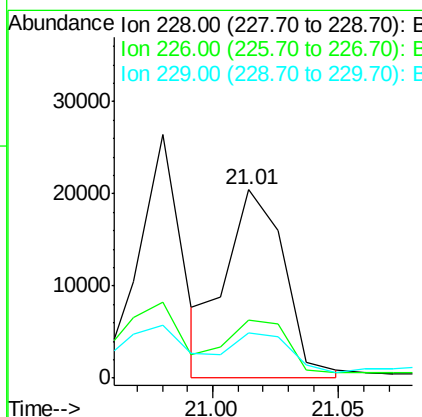
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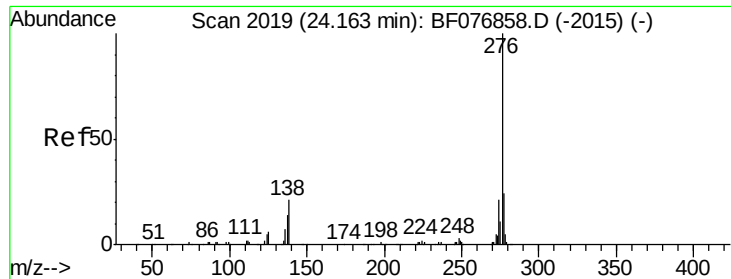
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#82
Chrysene
Concen: 3.06 ng m
RT: 21.01 min Scan# 1761
Delta R.T. -0.03 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Tgt Ion:	228	Resp:	32721
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.4	35.0
229	24.0	15.4	23.0





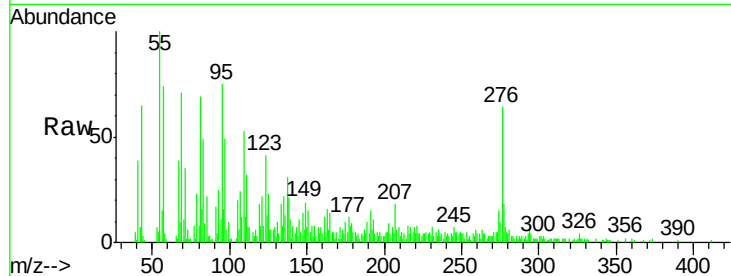
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.09 ng
 RT: 23.71 min Scan# 1997
 Delta R.T. -0.02 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	23697		
138	29.8	14.6	22.0#	
277	24.5	14.8	22.2#	

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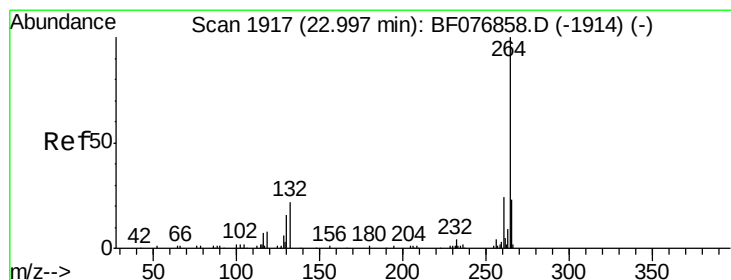
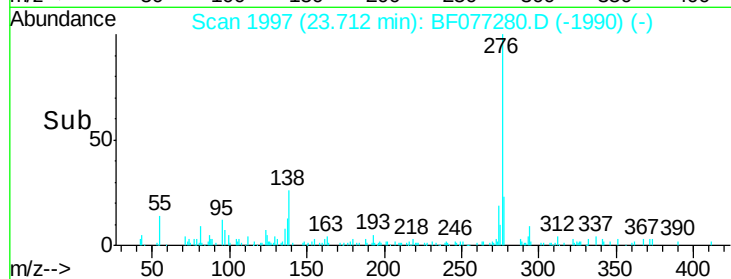
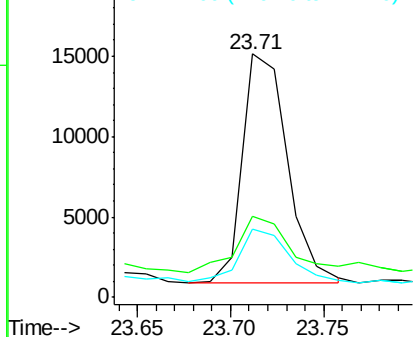


Abundance

Ion 276.00 (275.70 to 276.70): E

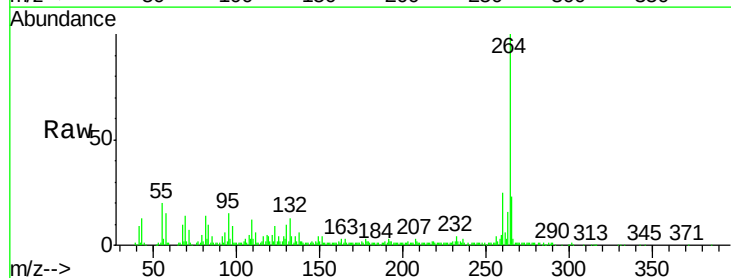
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.64 min Scan# 1903
 Delta R.T. -0.02 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	162684		
260	24.7	19.0	28.4	
265	22.6	18.1	27.1	

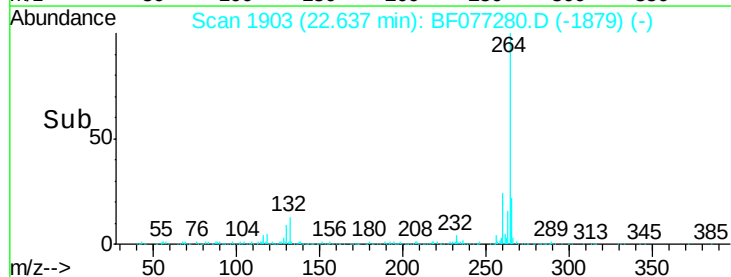
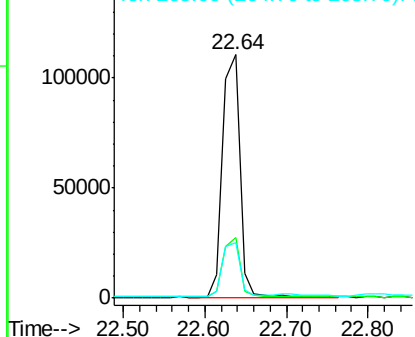


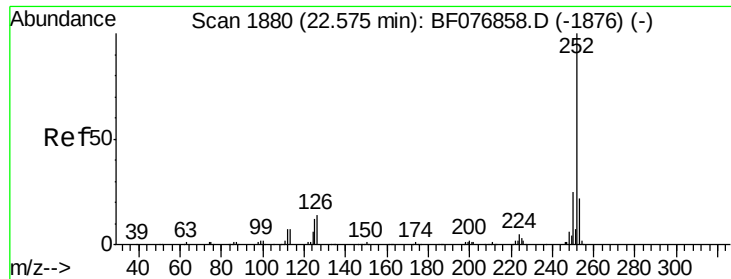
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.05 ng m

RT: 22.23 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

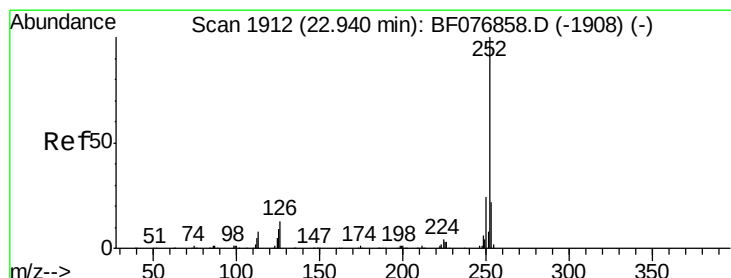
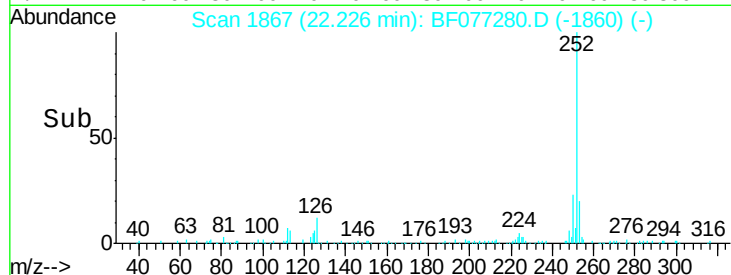
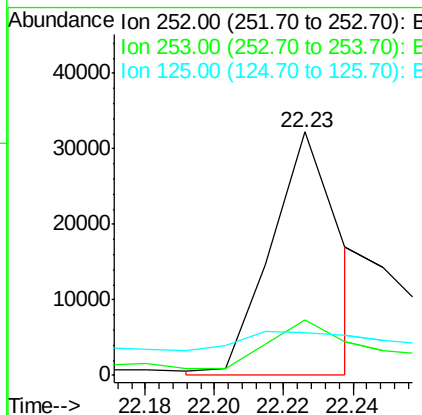
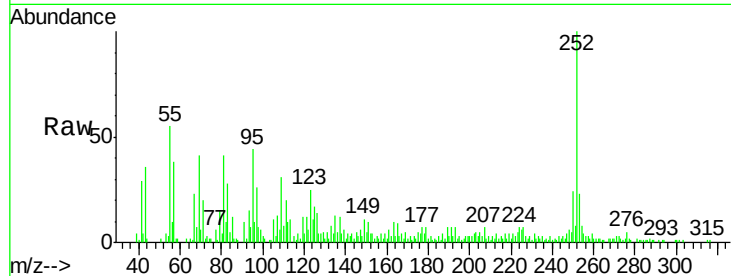
ClientSampleId :

UB11ARE

Tgt Ion:	252	Resp:	44363
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	17.4	9.4	14.0

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#89

Benzo(a)pyrene

Concen: 2.97 ng

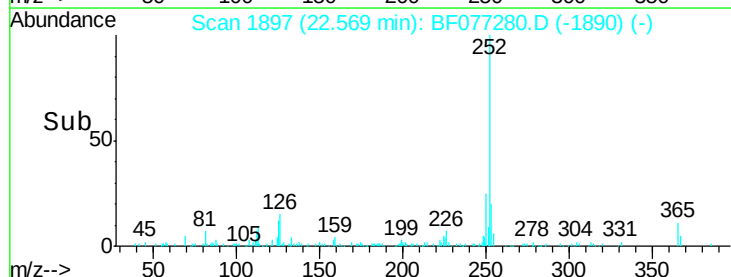
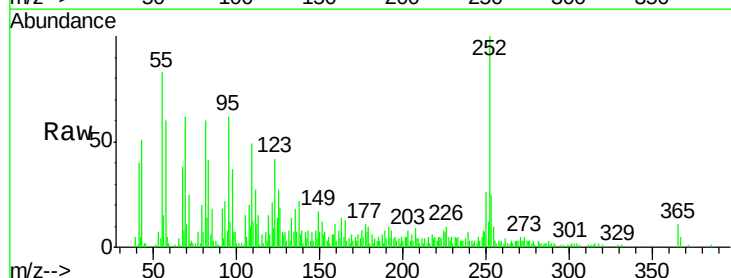
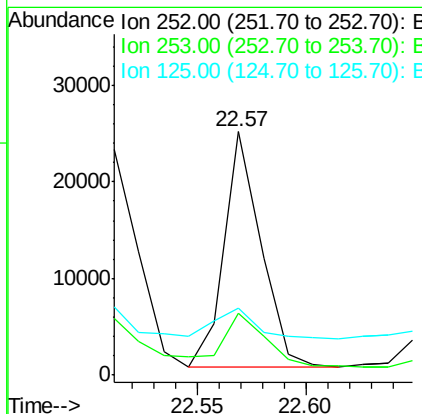
RT: 22.57 min Scan# 1897

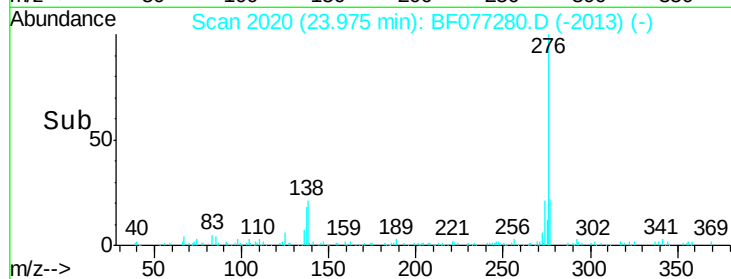
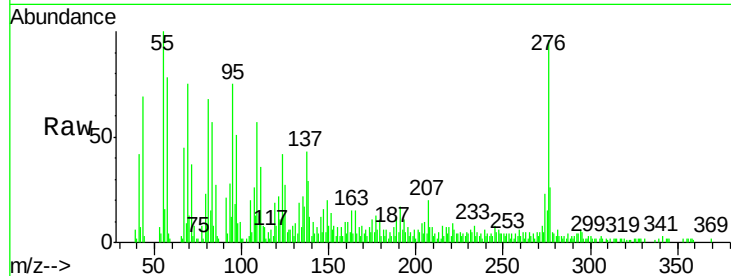
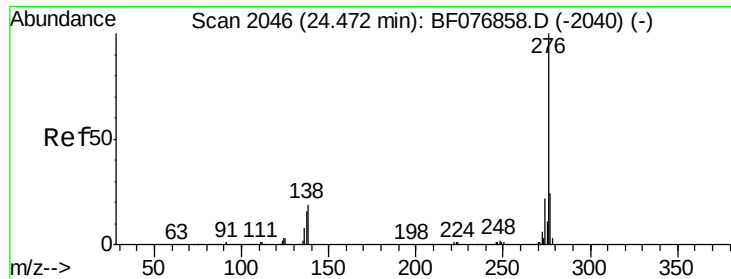
Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Tgt Ion:	252	Resp:	28700
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	27.5	7.2	10.8





#91
 Benzo(g,h,i)perylene
 Concen: 3.33 ng
 RT: 23.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	26.5	19.5	29.3
138	29.9	15.0	22.6

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