

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
 Data File : BF078877.D
 Acq On : 1 May 2015 5:24
 Operator : TP/IZ
 Sample : G2032-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B5(0-2)

Manual Integrations
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 5/1/2015 4:45:24 PM

Quant Time: May 01 06:42:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 00:31:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	90346	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	376007	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	176582	20.00	ng	0.00
63) Phenanthrene-d10	12.97	188	340157	20.00	ng	0.00
75) Chrysene-d12	16.26	240	360414	20.00	ng	-0.01
86) Perylene-d12	17.99	264	380261	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	413237	78.73	ng	0.00
7) Phenol-d6	6.92	99	560846	80.84	ng	0.01
23) Nitrobenzene-d5	8.06	82	311555	47.62	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	144673	75.73	ng	0.01
44) 2-Fluorobiphenyl	10.30	172	598401	47.21	ng	0.00
78) Terphenyl-d14	14.97	244	667886	44.37	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.80	163	72454	5.59	ng	100
70) Phenanthrene	13.01	178	64228	3.38	ng	98
74) Fluoranthene	14.48	202	87647	4.42	ng	98
77) Pyrene	14.77	202	85182	4.10	ng	98
80) Benzo(a)anthracene	16.25	228	63290m	3.21	ng	
82) Chrysene	16.30	228	49347	2.60	ng	96
85) Indeno(1,2,3-cd)pyrene	19.50	276	75822	3.13	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	106187m	5.10	ng	
89) Benzo(a)pyrene	17.92	252	78006	4.07	ng	# 89
91) Benzo(g,h,i)perylene	19.94	276	81359	3.99	ng	99

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

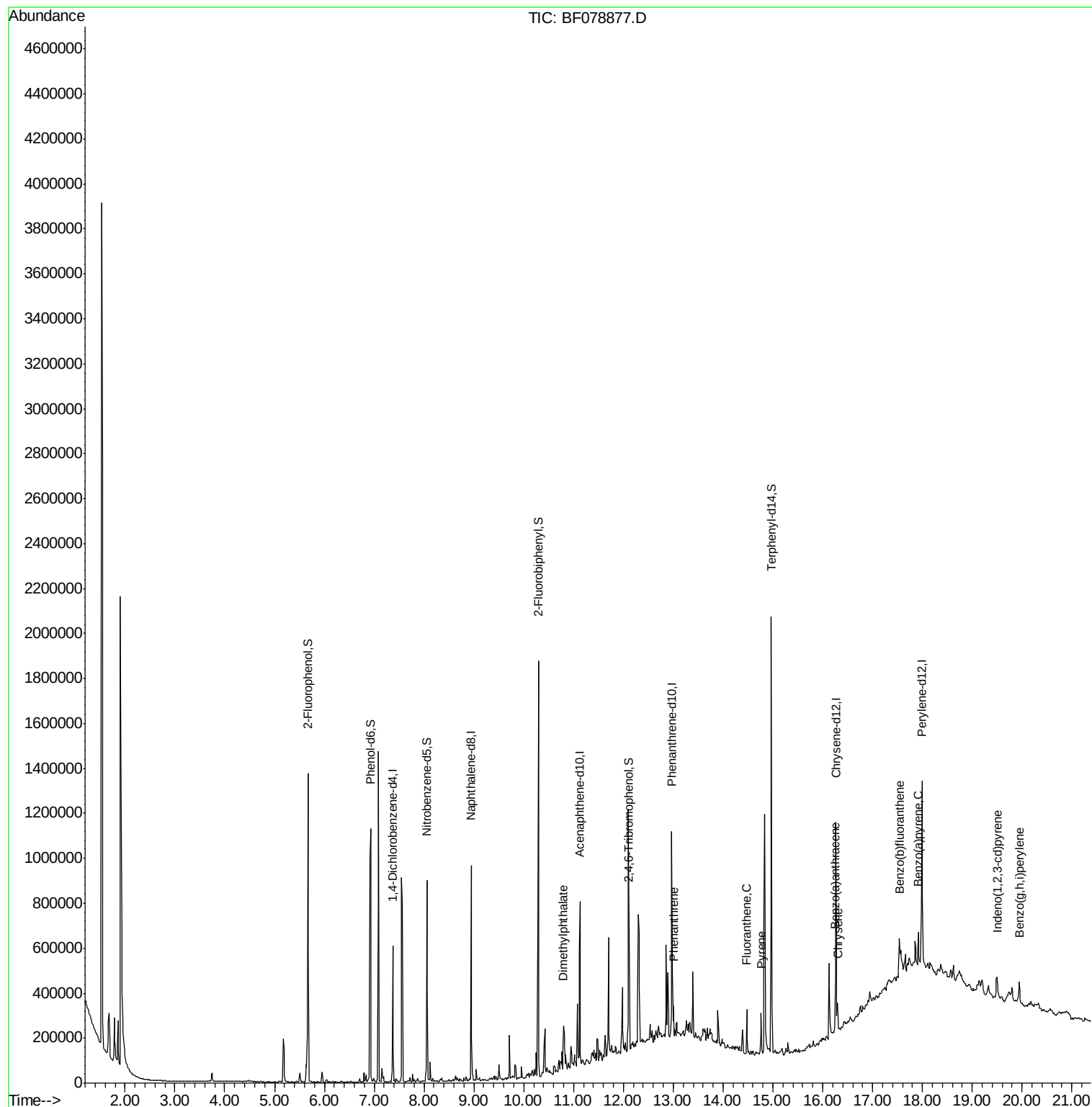
Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
Data File : BF078877.D
Acq On : 1 May 2015 5:24
Operator : TP/IZ
Sample : G2032-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

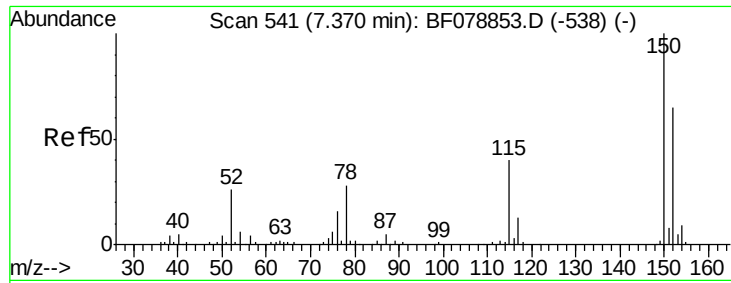
Instrument :
BNA_F
ClientSampleId :
B5(0-2)

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#1

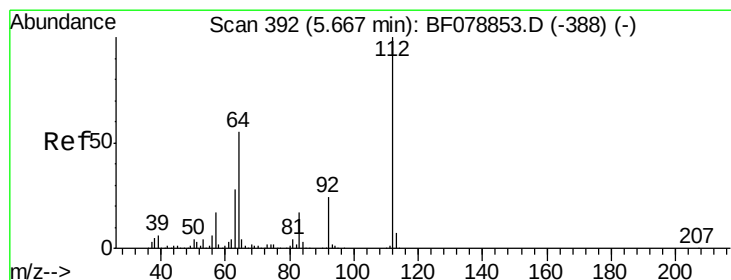
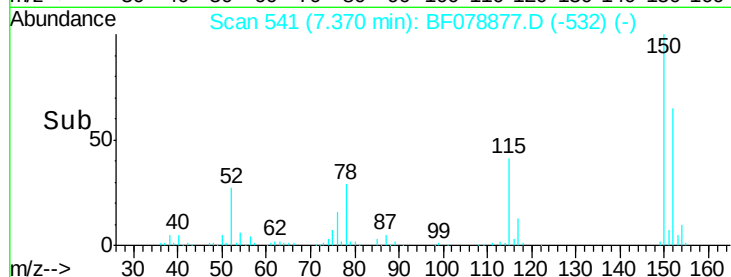
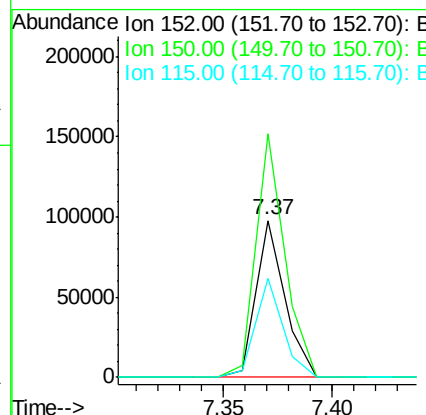
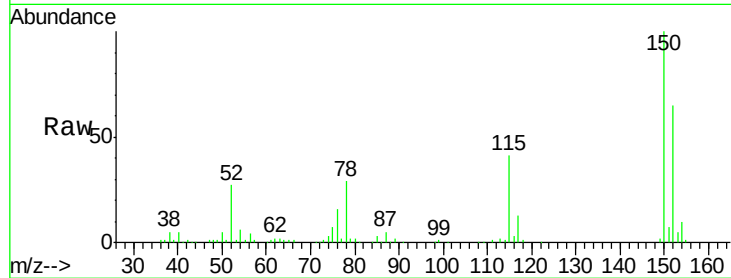
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Instrument :
BNA_F
ClientSampleId :
B5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	122.0	183.0
115	62.9	46.3	69.5

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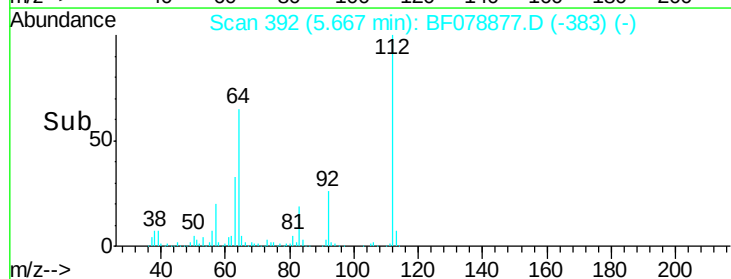
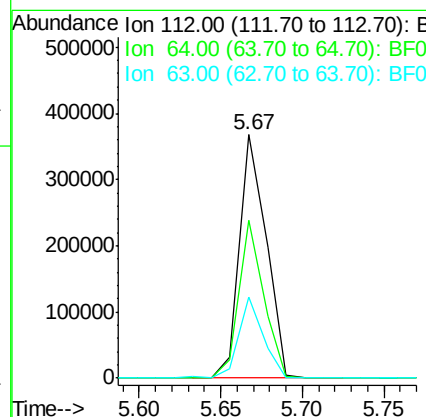
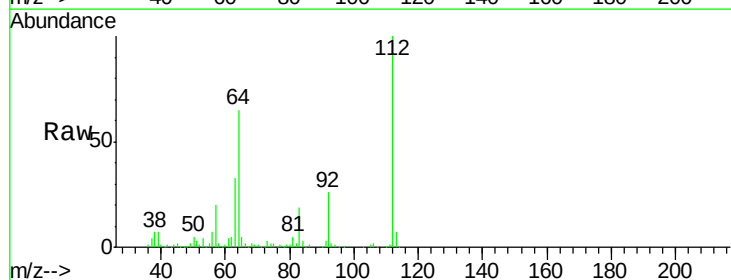
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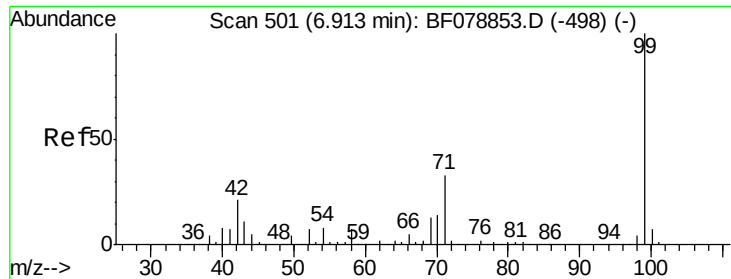


#5

2-Fluorophenol
Concen: 78.73 ng
RT: 5.67 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.5	80.3
63	33.3	27.5	41.3





#7

Phenol-d6

Concen: 80.84 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.01 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Instrument :

BNA_F

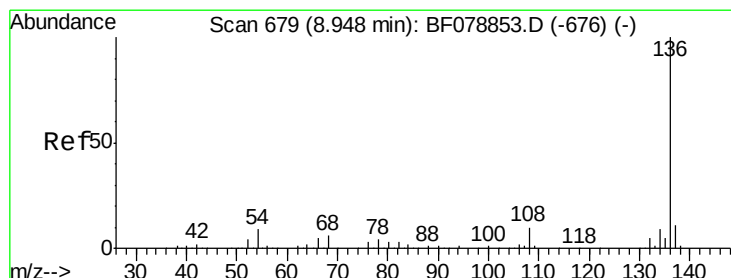
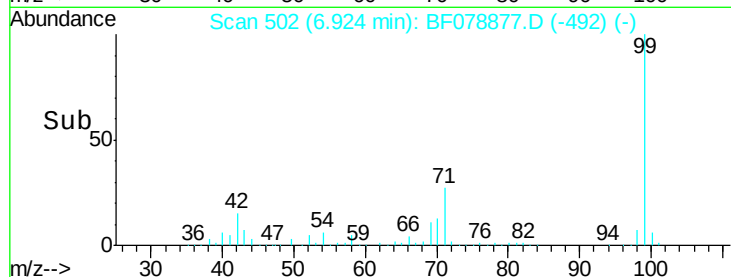
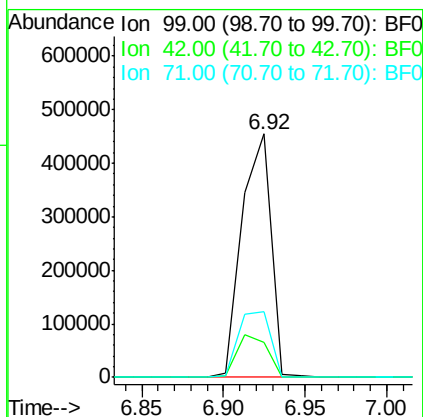
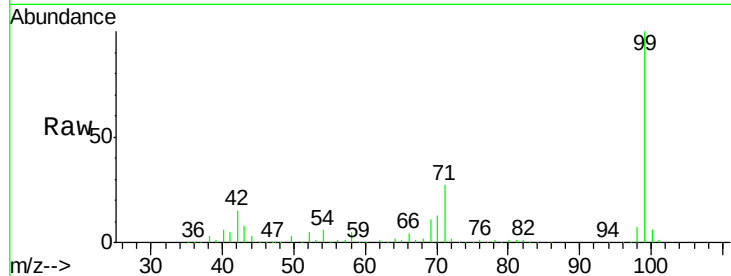
ClientSampleId :

B5(0-2)

Tot Ion:	99	Resp:	560846
Ion Ratio	Lower	Upper	
99	100		
42	14.6	12.8	19.2
71	27.1	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

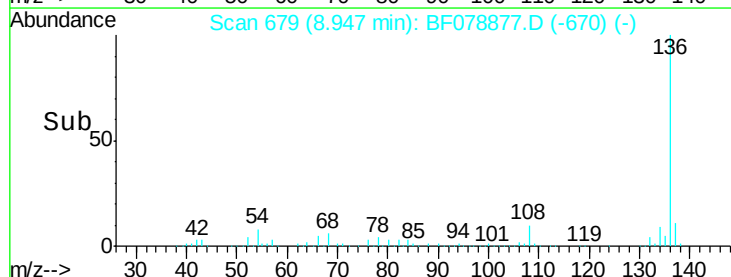
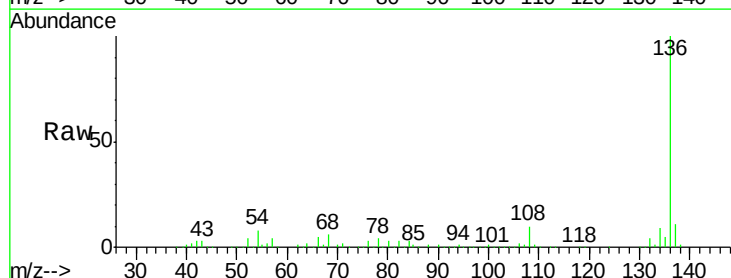
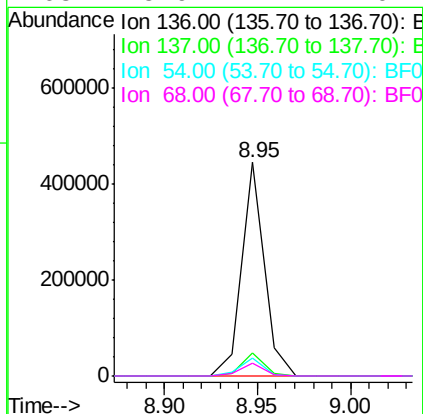
RT: 8.95 min Scan# 679

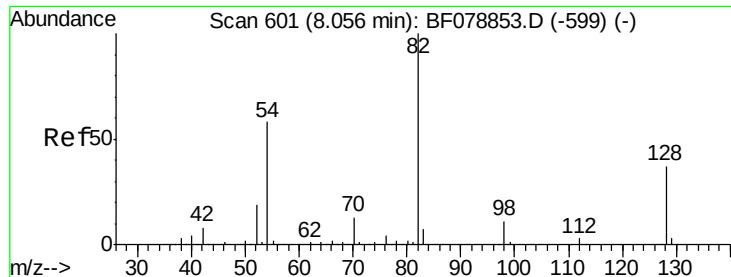
Delta R.T. -0.00 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Tgt Ion:	136	Resp:	376007
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	8.2	5.8	8.8
68	5.9	4.2	6.4





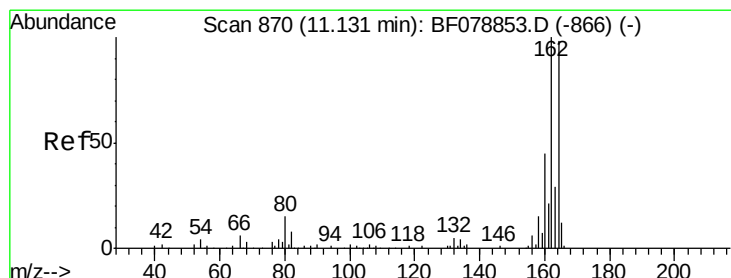
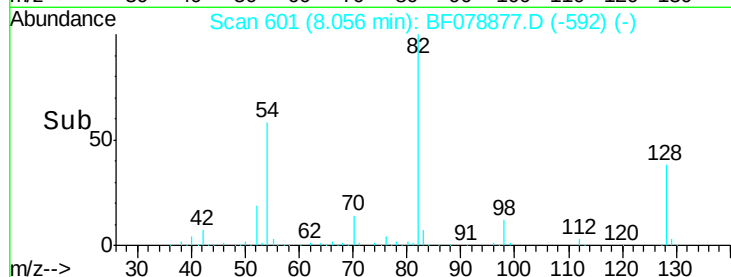
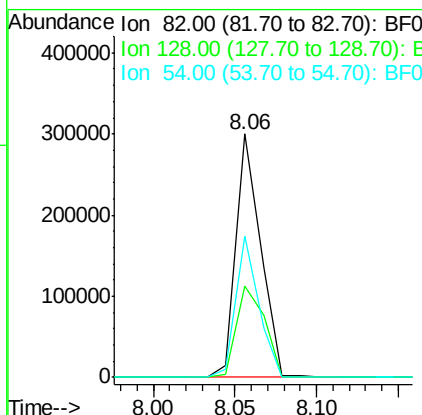
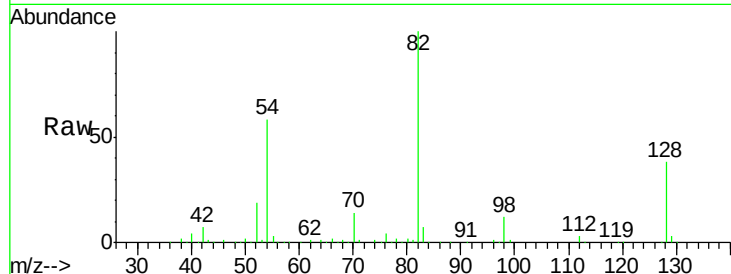
#23
 Nitrobenzene-d5
 Concen: 47.62 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF078877.D
 Acq: 1 May 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 B5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.6	30.0	45.0	
54	58.1	46.4	69.6	

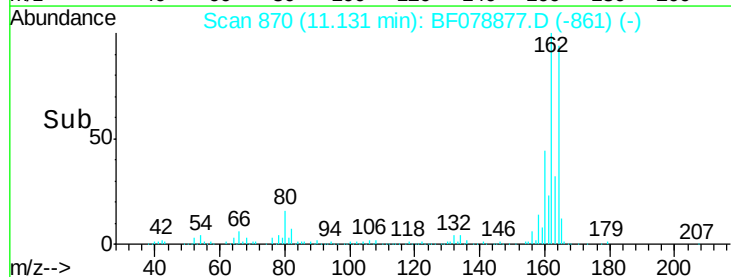
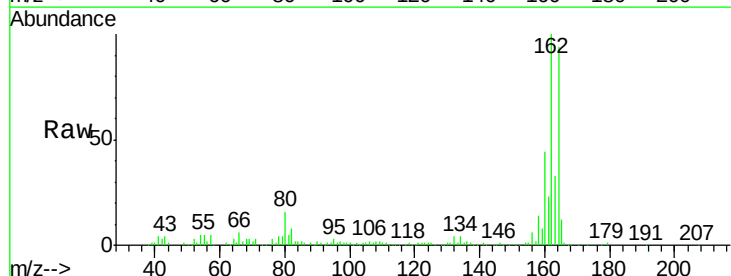
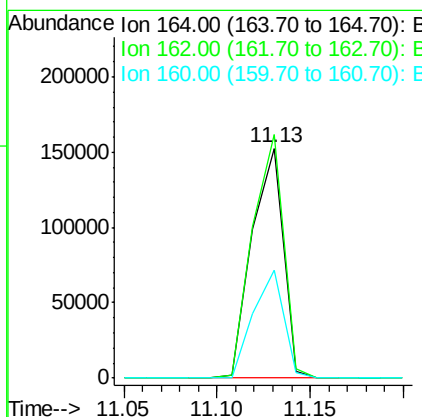
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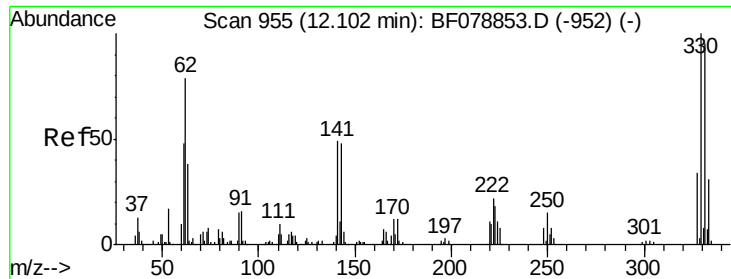
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: BF078877.D
 Acq: 1 May 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.0	82.7	124.1	
160	46.7	35.8	53.8	





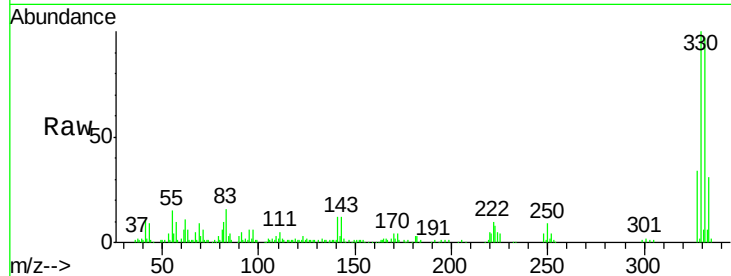
#41
 2,4,6-Tribromophenol
 Concen: 75.73 ng
 RT: 12.11 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: BF078877.D
 Acq: 1 May 2015 5:24

Instrument :
 BNA_F
 ClientSampled :
 B5(0-2)

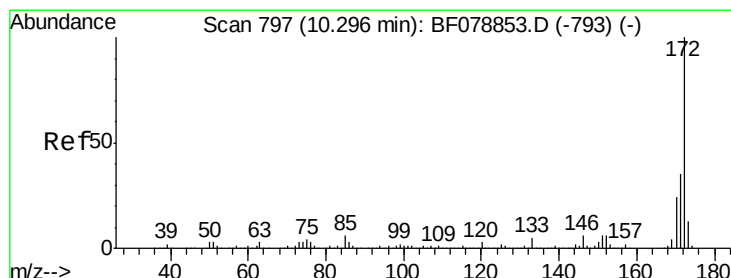
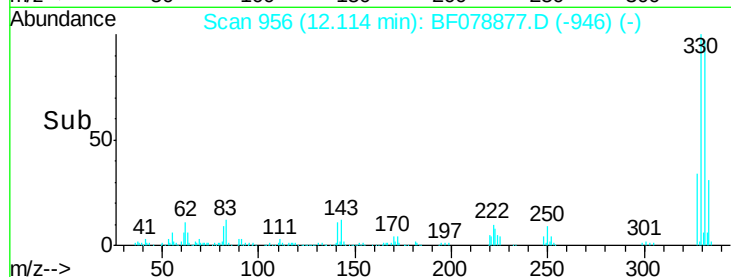
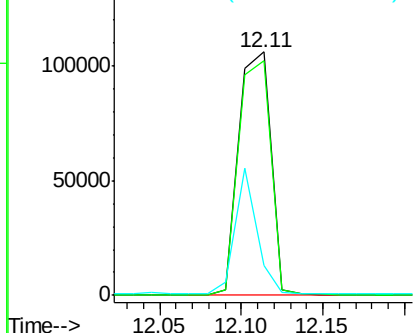
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	34.5	0.0	0.0#

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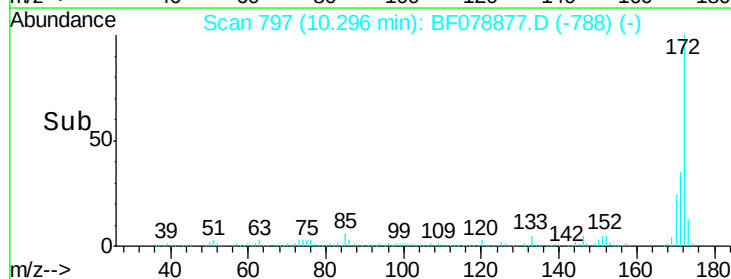
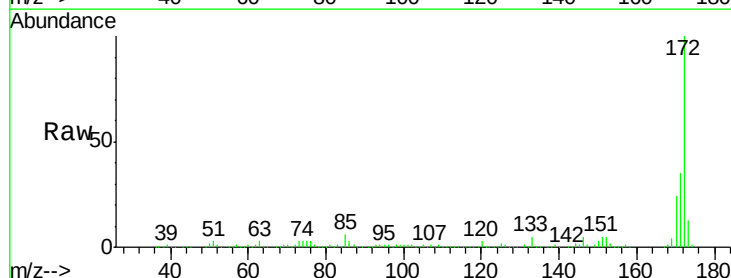
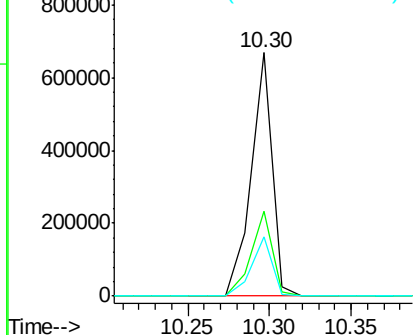
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

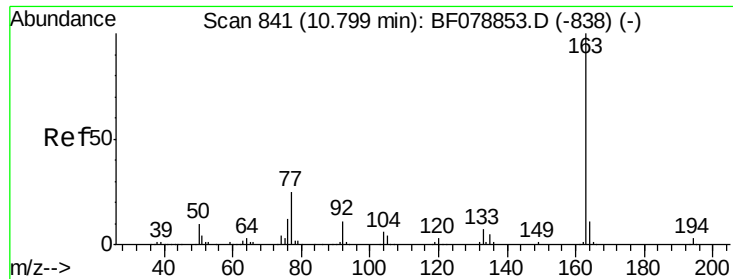


#44
 2-Fluorobiphenyl
 Concen: 47.21 ng
 RT: 10.30 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078877.D
 Acq: 1 May 2015 5:24

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.8	27.9	41.9
170	24.1	19.4	29.0

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





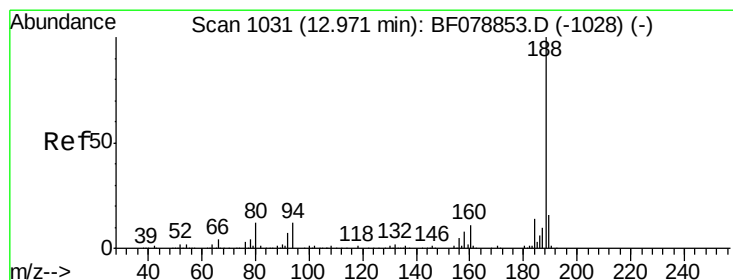
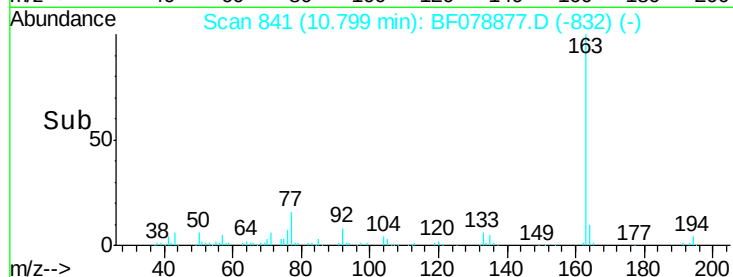
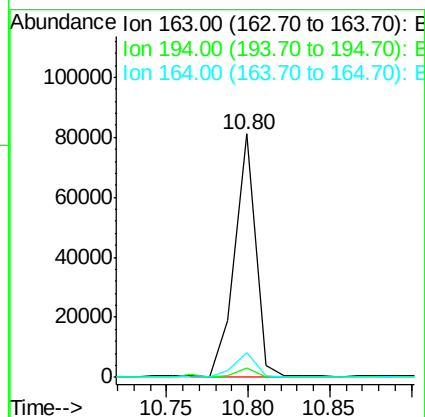
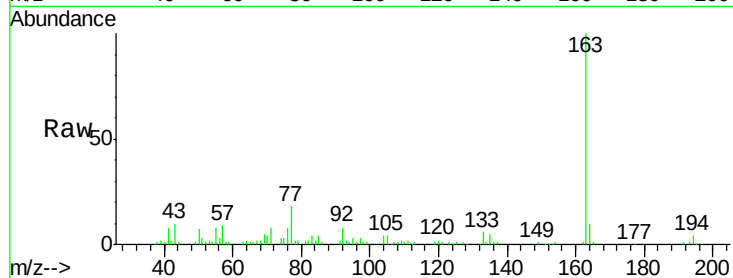
#49
Dimethylphthalate
Concen: 5.59 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Instrument :
BNA_F
ClientSampled :
B5(0-2)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.0	8.1	12.1

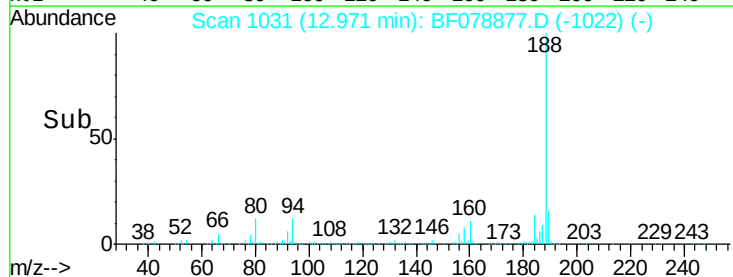
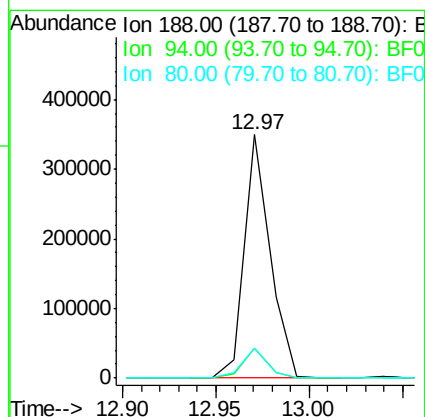
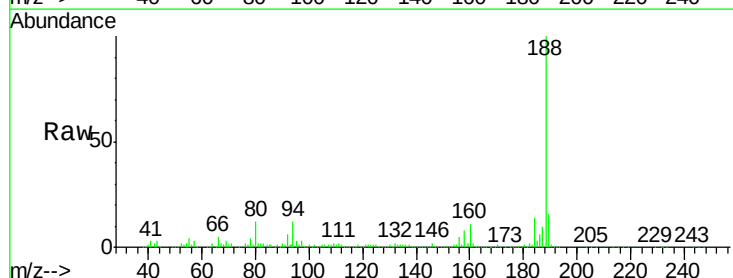
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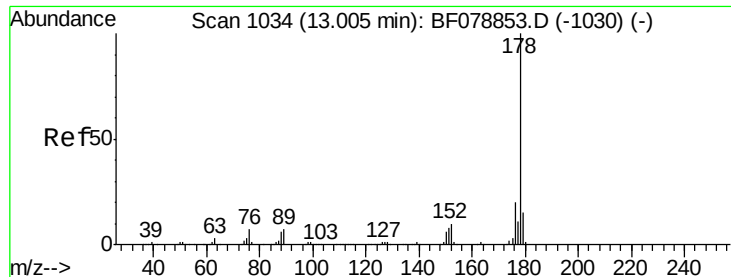
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.2	8.2	12.2
80	12.4	8.9	13.3





#70

Phenanthrene

Concen: 3.38 ng

RT: 13.01 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Instrument :

BNA_F

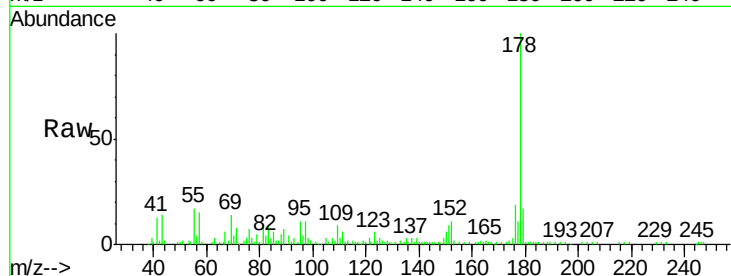
ClientSampleId :

B5(0-2)

Tot Ion:	178	Resp:	64228
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	16.5	12.5	18.7

Manual Integrations
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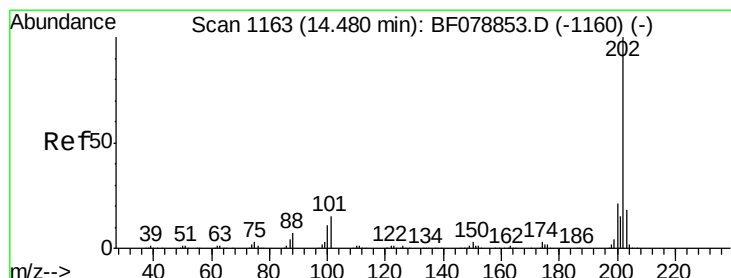
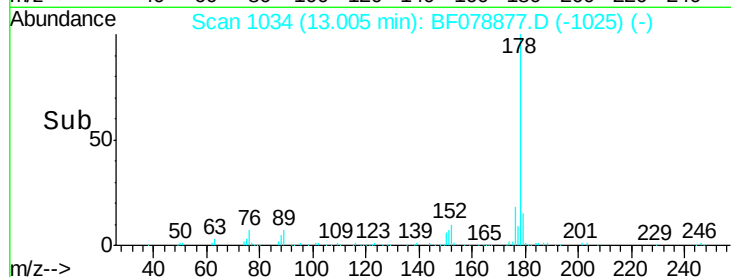
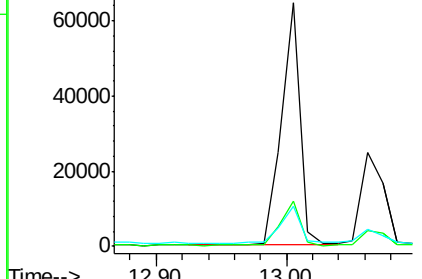
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.42 ng

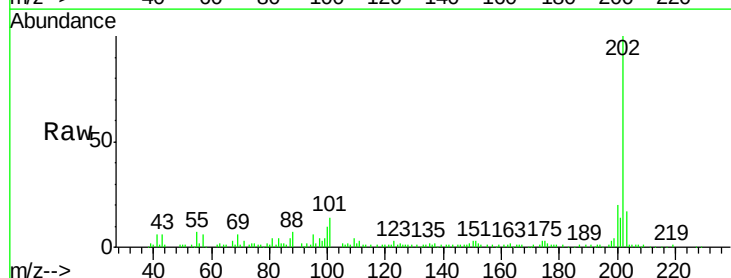
RT: 14.48 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

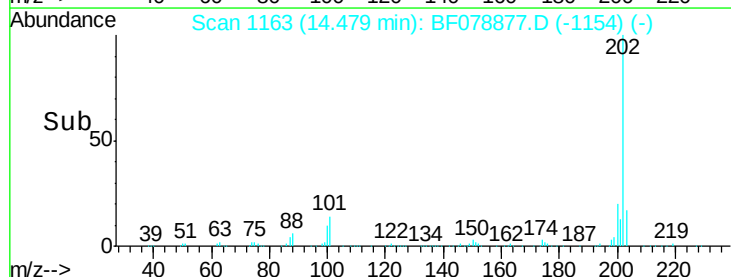
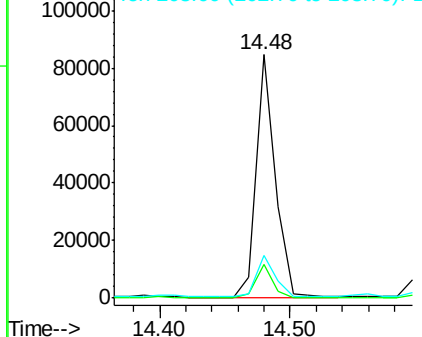
Tgt Ion:	202	Resp:	87647
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.6
203	17.3	0.0	38.4

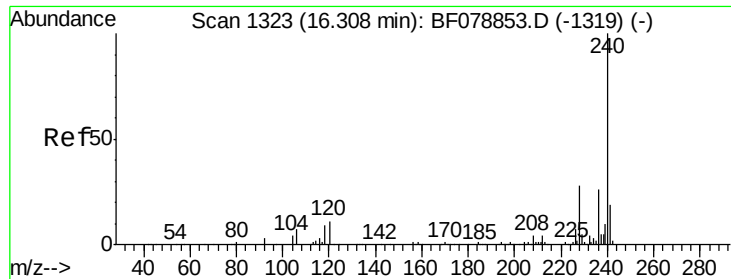


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Instrument :

BNA_F

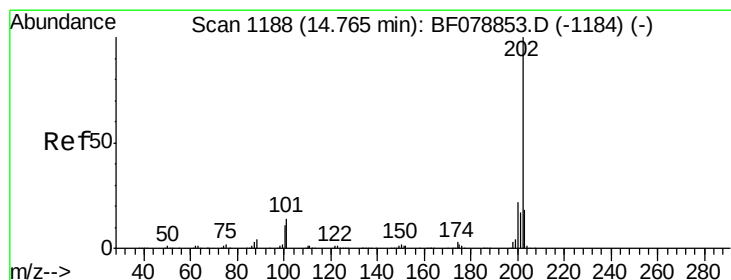
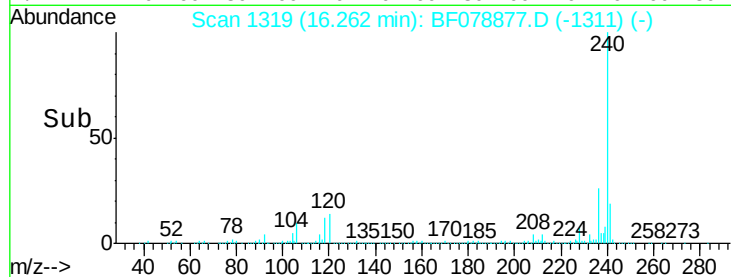
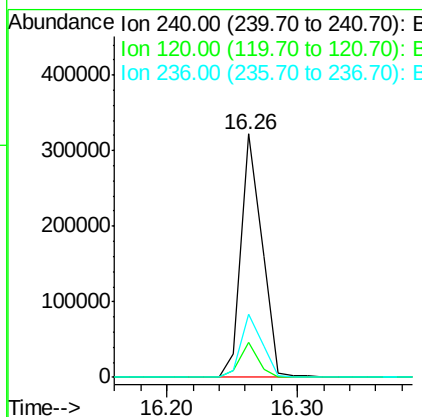
ClientSampleId :

B5(0-2)

Tot Ion:	240	Resp:	360414
Ion Ratio	Lower	Upper	
240	100		
120	14.5	9.7	14.5#
236	25.8	20.2	30.4

Manual Integrations
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#77

Pyrene

Concen: 4.10 ng

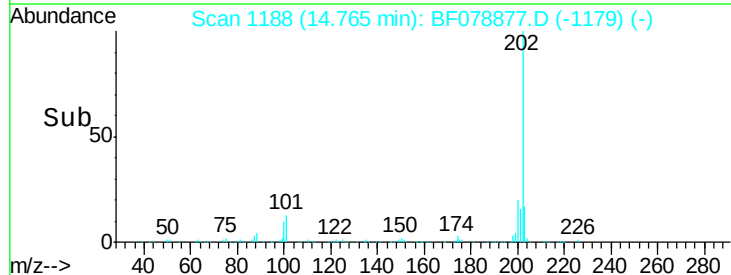
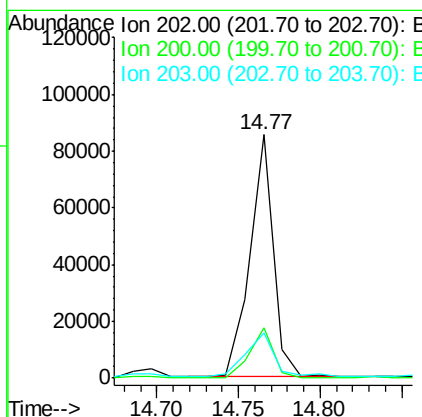
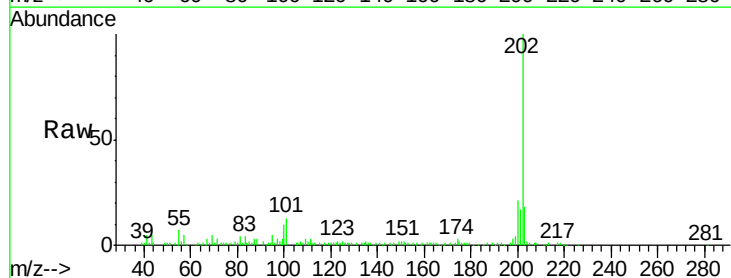
RT: 14.77 min Scan# 1188

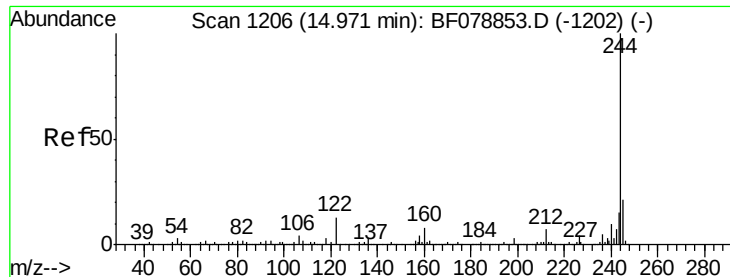
Delta R.T. -0.00 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Tgt Ion:	202	Resp:	85182
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.5	26.3
203	18.4	13.9	20.9





#78

Terphenyl-d14

Concen: 44.37 ng

RT: 14.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Instrument :

BNA_F

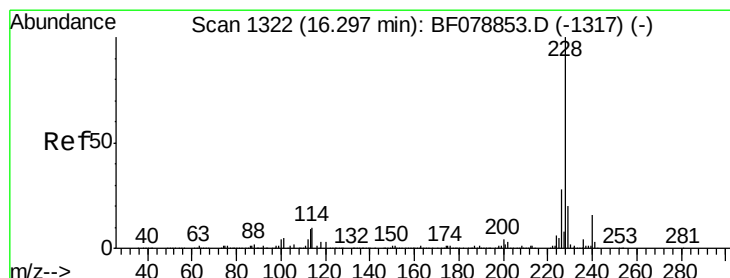
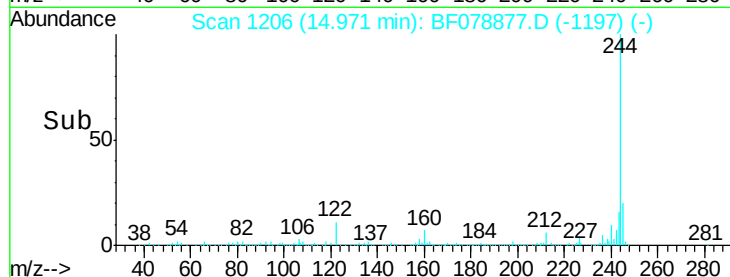
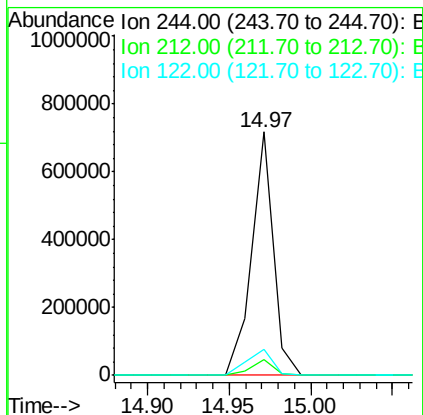
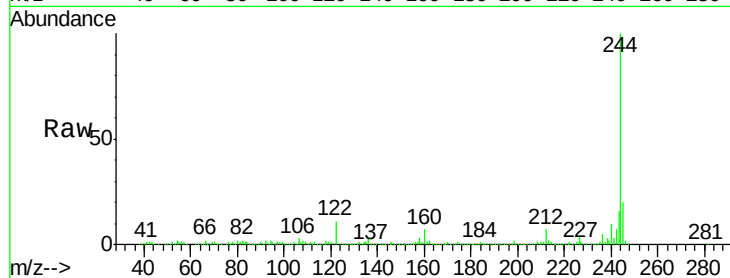
ClientSampleId :

B5(0-2)

Tot Ion:	244	Resp:	667886
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.9	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.21 ng m

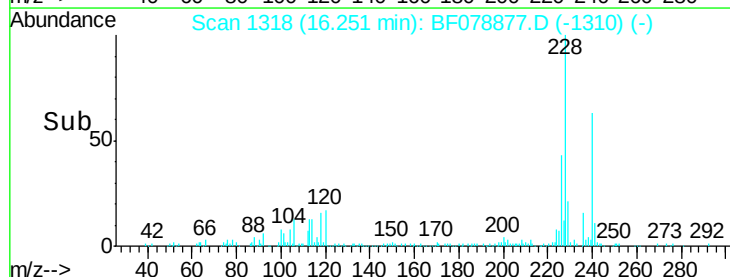
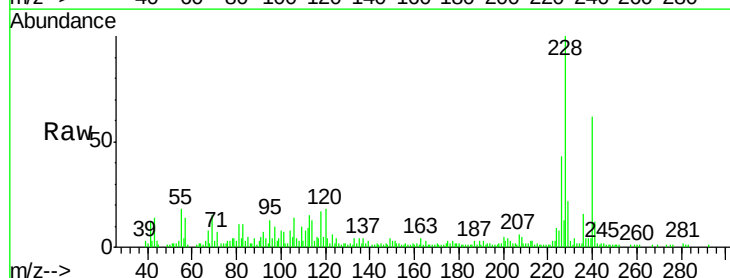
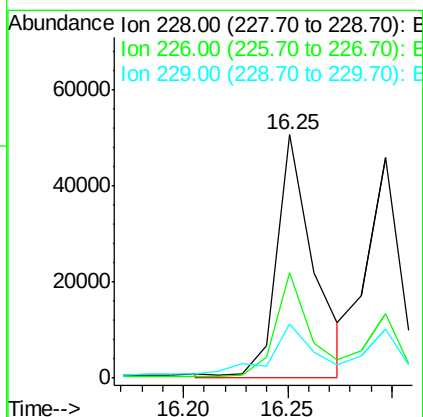
RT: 16.25 min Scan# 1318

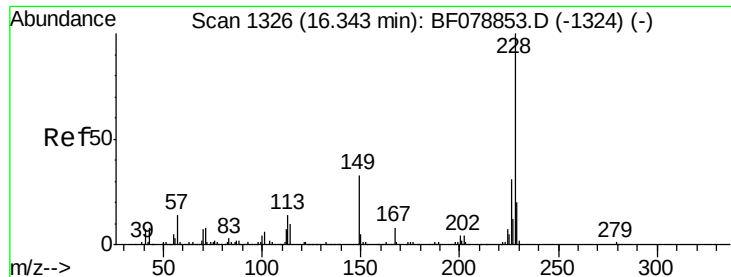
Delta R.T. -0.01 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Tgt Ion:	228	Resp:	63290
Ion Ratio		Lower	Upper
228	100		
226	43.1	22.6	33.8#
229	22.2	15.9	23.9





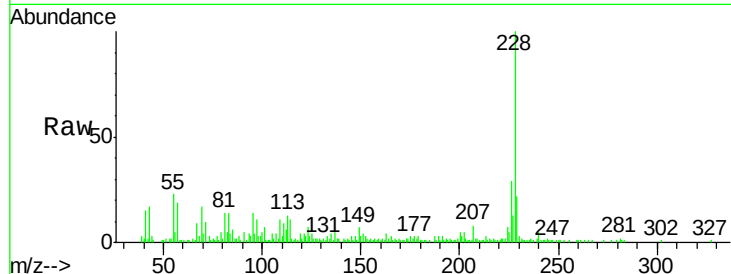
#82
Chrysene
Concen: 2.60 ng
RT: 16.30 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Instrument :
BNA_F
ClientSampleId :
B5(0-2)

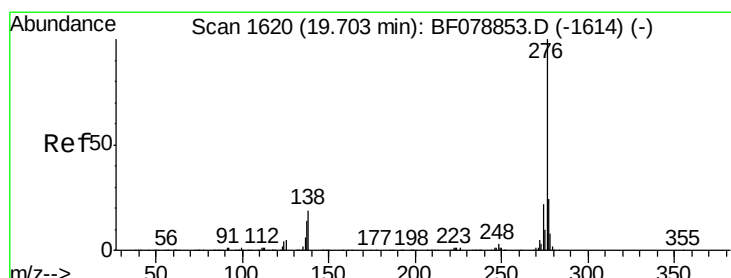
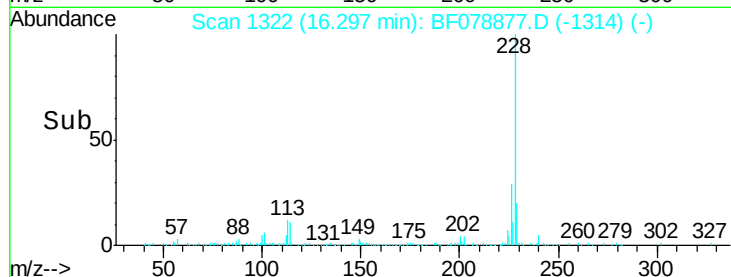
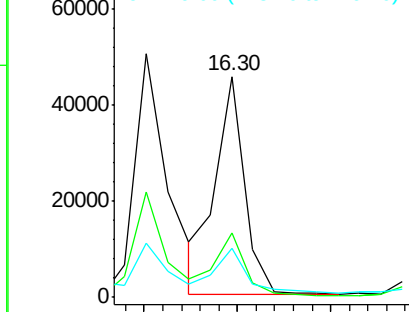
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	22.1	16.0	24.0

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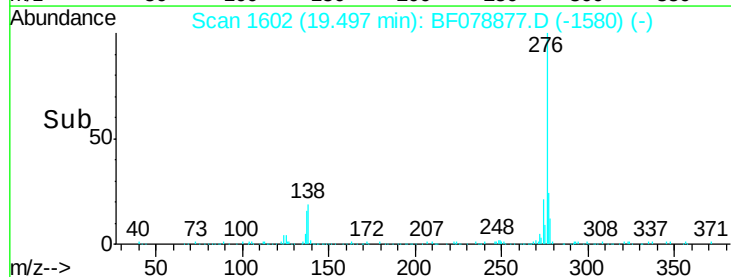
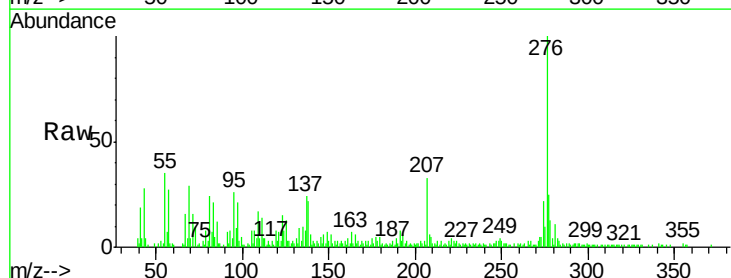
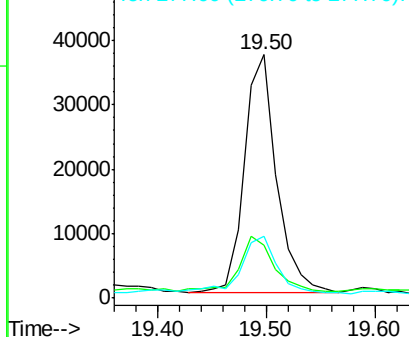
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

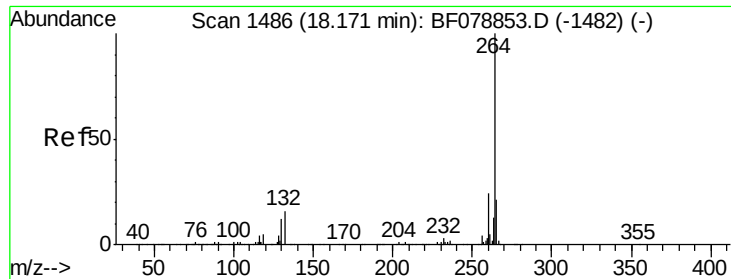


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.13 ng
RT: 19.50 min Scan# 1602
Delta R.T. -0.05 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	0.0	0.0#
277	27.1	0.0	0.0#

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

Pervlene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1470

Delta R.T. -0.05 min

Lab File: BF078877.D

Acq: 1 May 2015 5:24

Instrument :

BNA_F

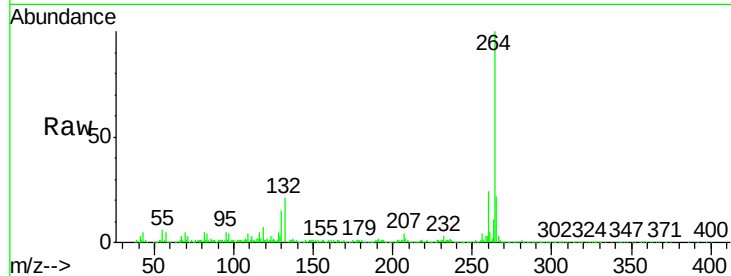
ClientSampled :

B5(0-2)

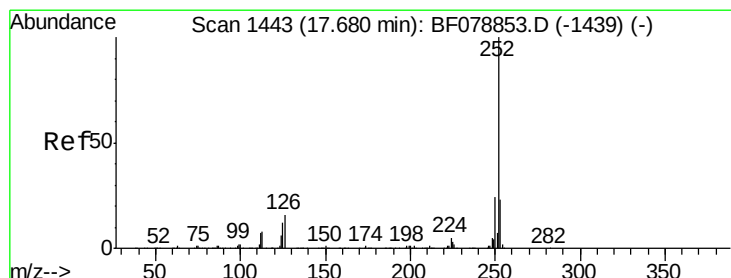
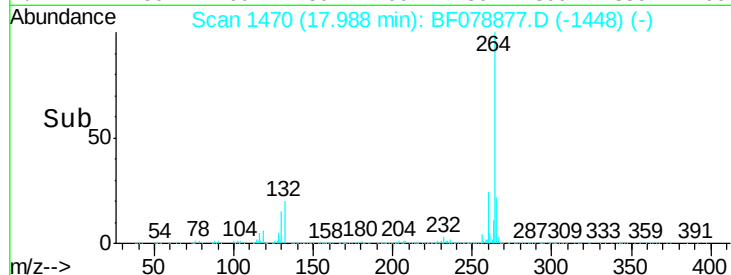
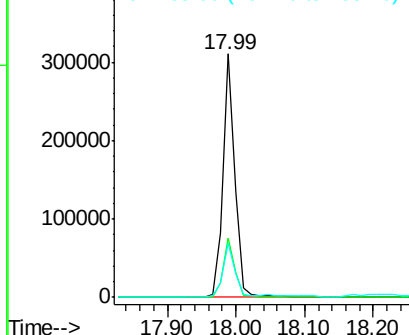
Tot Ion:	264	Resp:	380261
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.2
265	22.3	18.3	27.5

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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: 5.10 ng m

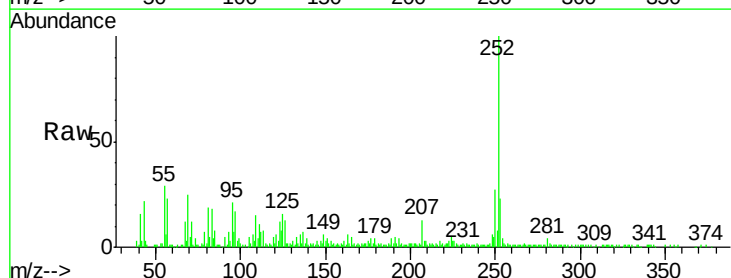
RT: 17.54 min Scan# 1431

Delta R.T. -0.03 min

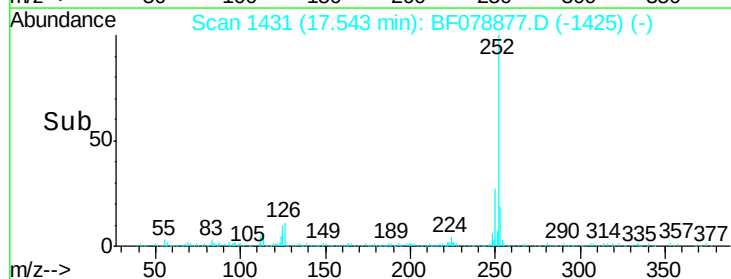
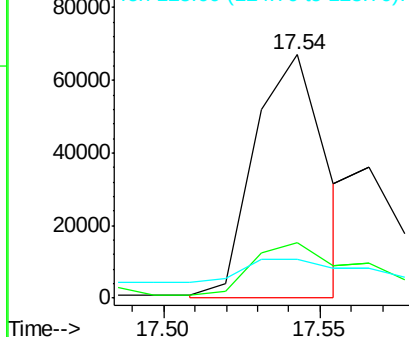
Lab File: BF078877.D

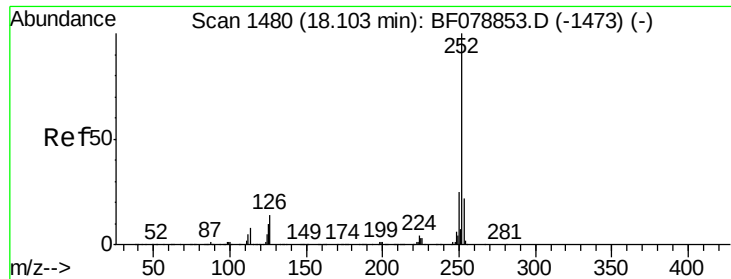
Acq: 1 May 2015 5:24

Tgt Ion:	252	Resp:	106187
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	16.1	9.5	14.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





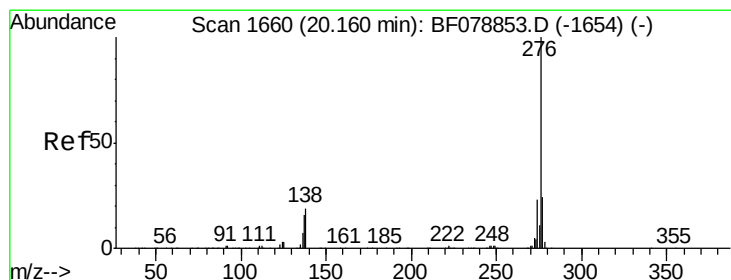
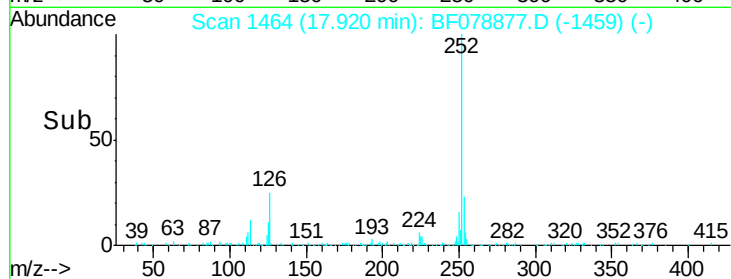
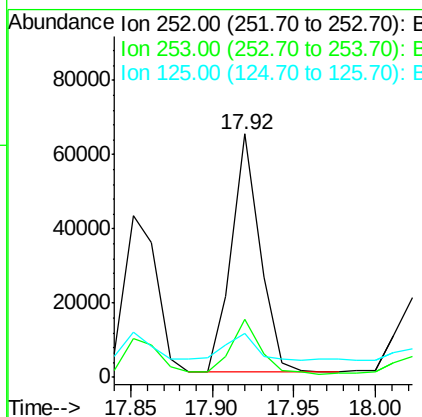
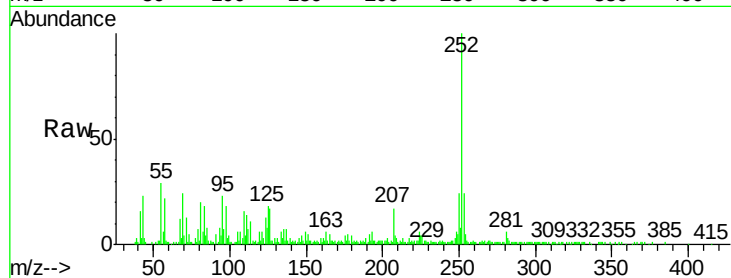
#89
Benzo(a)pyrene
Concen: 4.07 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.05 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Instrument :
BNA_F
ClientSampled :
B5(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	17.8	7.0	10.6

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#91
Benzo(g,h,i)perylene
Concen: 3.99 ng
RT: 19.94 min Scan# 1641
Delta R.T. -0.06 min
Lab File: BF078877.D
Acq: 1 May 2015 5:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	21.6	17.4	26.0

