

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
 Data File : BF079096.D
 Acq On : 9 May 2015 22:47
 Operator : TP/IZ
 Sample : G2087-01
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1-0-2

Manual Integrations
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Quant Time: May 11 03:30:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 01:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	84659	20.00	ng	0.00
21) Naphthalene-d8	8.89	136	351926	20.00	ng	0.00
38) Acenaphthene-d10	11.07	164	169854	20.00	ng	0.00
63) Phenanthrene-d10	12.91	188	312425	20.00	ng	0.00
75) Chrysene-d12	16.22	240	299966	20.00	ng	0.01
86) Perylene-d12	17.97	264	308769	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	569837	115.86	ng	0.00
7) Phenol-d6	6.88	99	743212	114.32	ng	0.00
23) Nitrobenzene-d5	8.01	82	441796	72.15	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	197205	107.32	ng	0.00
44) 2-Fluorobiphenyl	10.24	172	831146	68.17	ng	0.00
78) Terphenyl-d14	14.91	244	855769	68.30	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.74	163	63055	5.06	ng	99
70) Phenanthrene	12.95	178	39892	2.28	ng	97
74) Fluoranthene	14.42	202	112307	6.17	ng	96
77) Pyrene	14.71	202	113903	6.59	ng	99
80) Benzo(a)anthracene	16.19	228	63044m	3.84	ng	
82) Chrysene	16.24	228	65807	4.17	ng	98
85) Indeno(1,2,3-cd)pyrene	19.44	276	47584	2.36	ng	# 100
87) Benzo(b)fluoranthene	17.51	252	98045m	5.80	ng	
89) Benzo(a)pyrene	17.90	252	58679	3.77	ng	# 92
91) Benzo(g,h,i)perylene	19.89	276	46261	2.79	ng	98

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

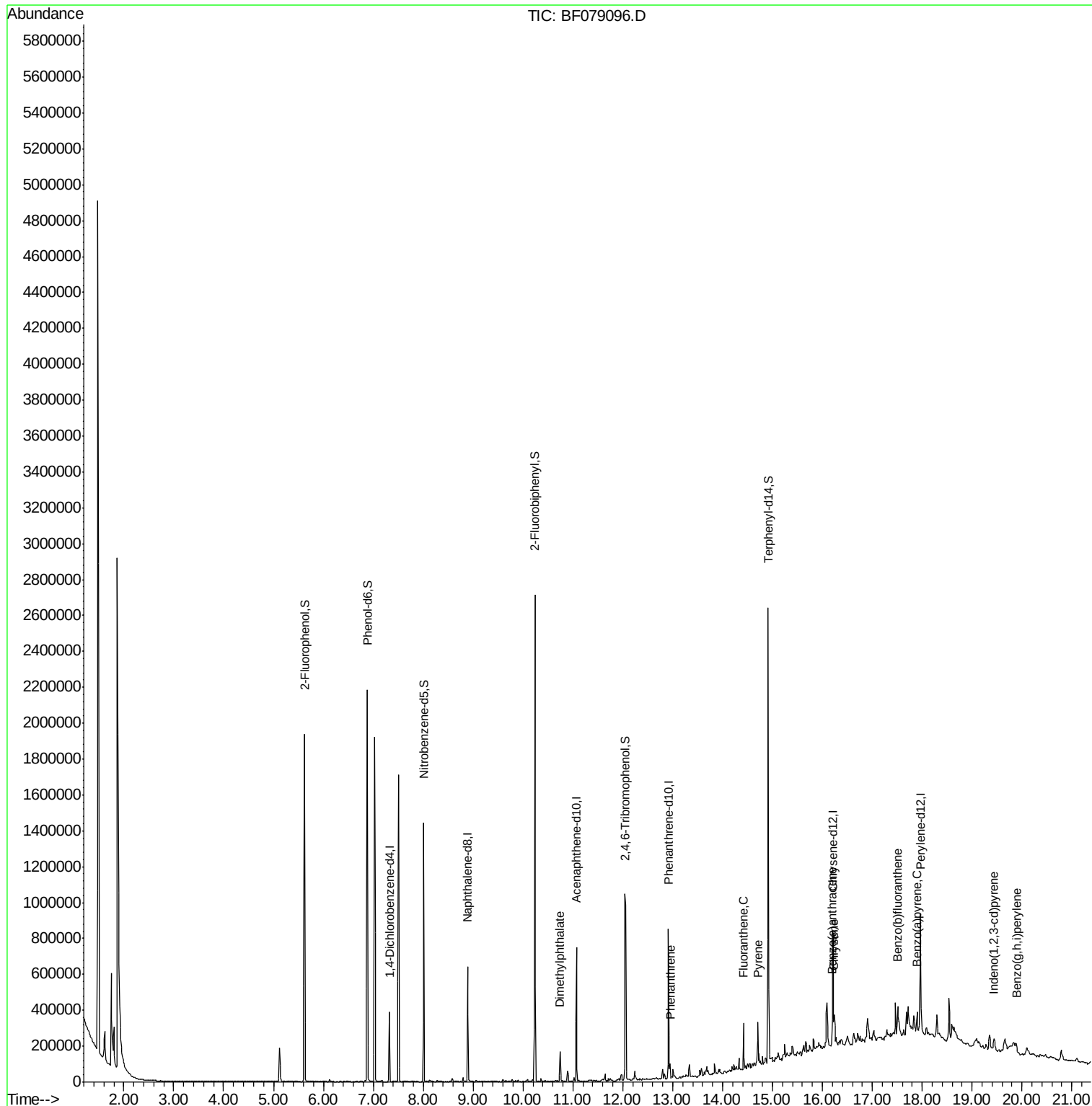
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079096.D
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Misc :
ALS Vial : 55 Sample Multiplier: 1

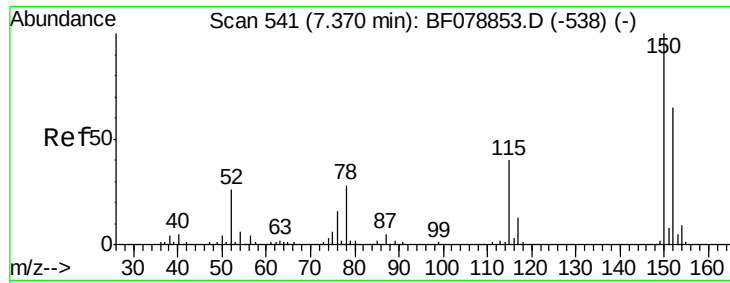
Instrument :
BNA_F
ClientSampleId :
B1-0-2

Manual Integrations
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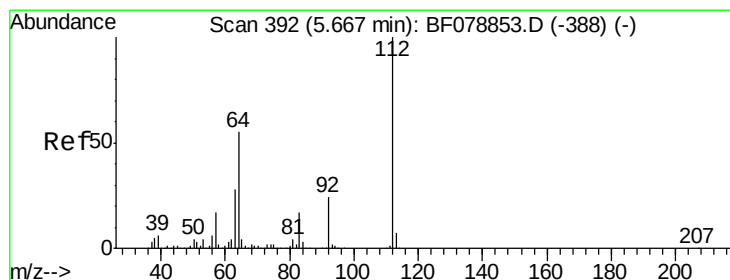
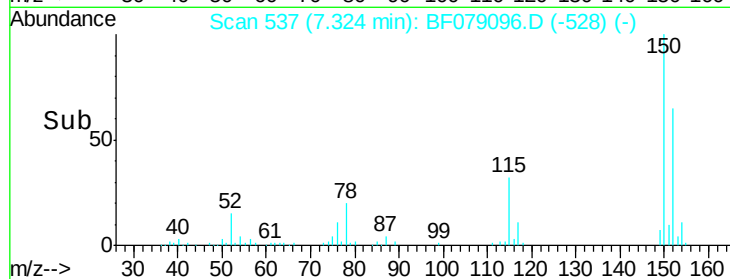
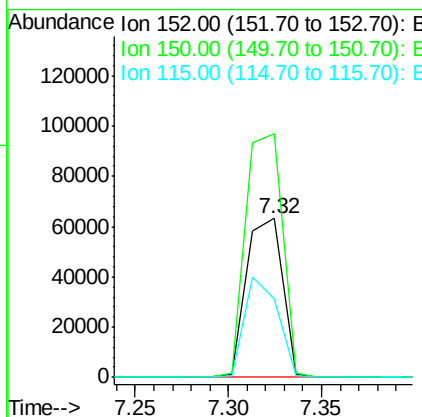
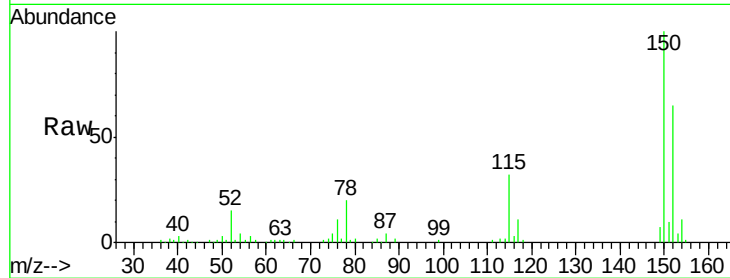
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.32 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: BF079096.D
 Acq: 9 May 2015 22:47

Instrument :
 BNA_F
 ClientSampleId :
 B1-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.0	183.0
115	49.4	46.3	69.5

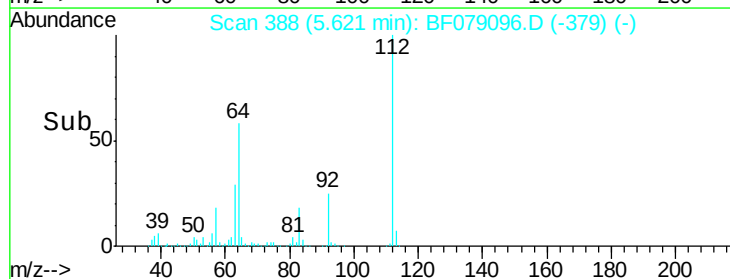
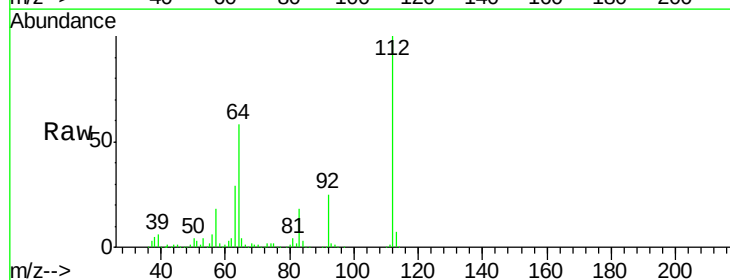
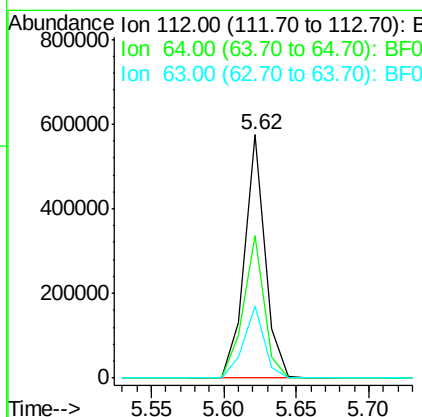
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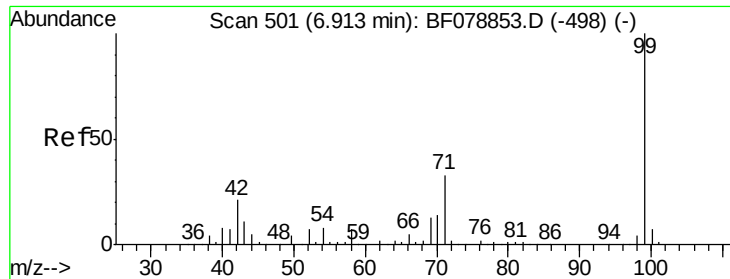
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#5
 2-Fluorophenol
 Concen: 115.86 ng
 RT: 5.62 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: BF079096.D
 Acq: 9 May 2015 22:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	53.5	80.3
63	29.4	27.5	41.3





#7

Phenol-d6

Concen: 114.32 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Instrument :

BNA_F

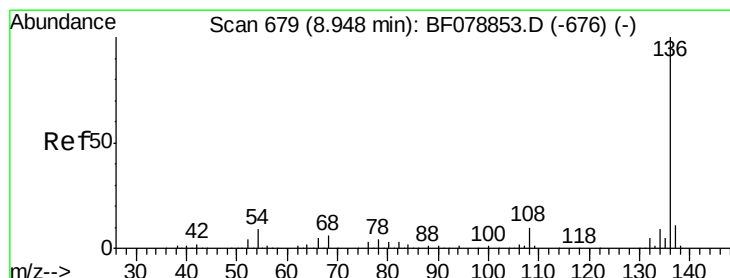
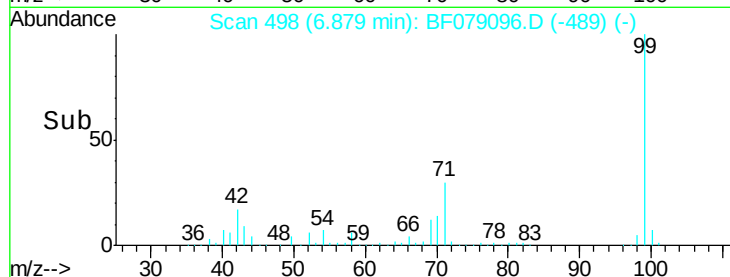
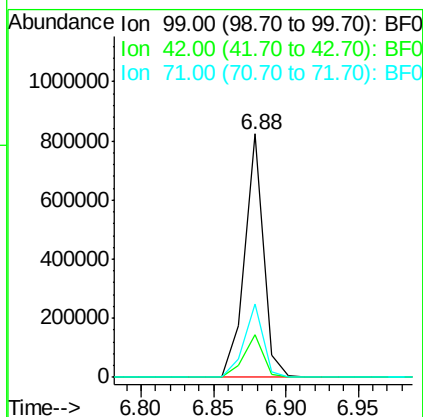
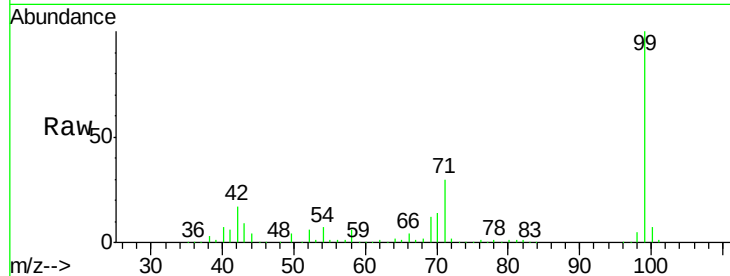
ClientSampled :

B1-0-2

Tot Ion:	99	Resp:	743212
Ion Ratio	Lower	Upper	
99	100		
42	17.5	12.8	19.2
71	30.4	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

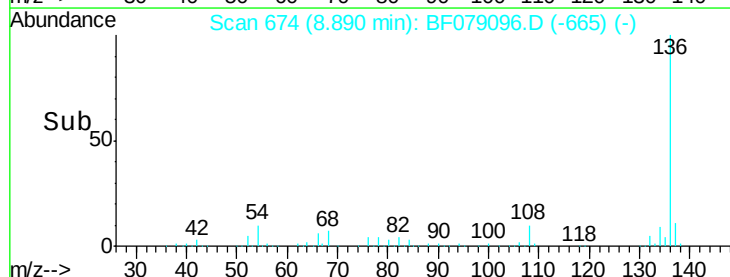
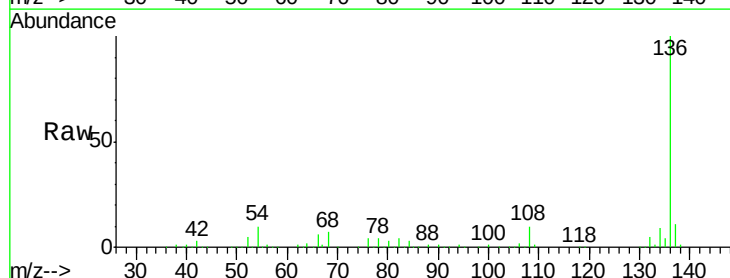
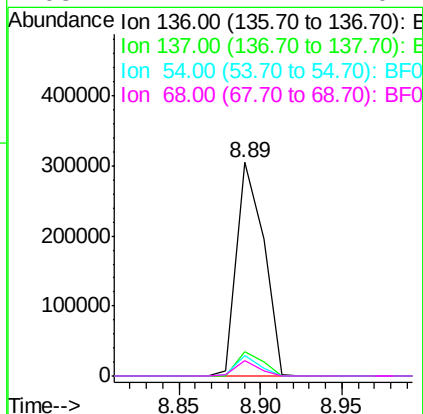
RT: 8.89 min Scan# 674

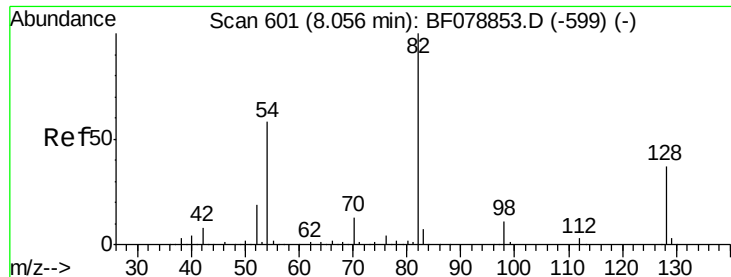
Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Tgt Ion:	136	Resp:	351926
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	9.9	5.8	8.8#
68	7.2	4.2	6.4#





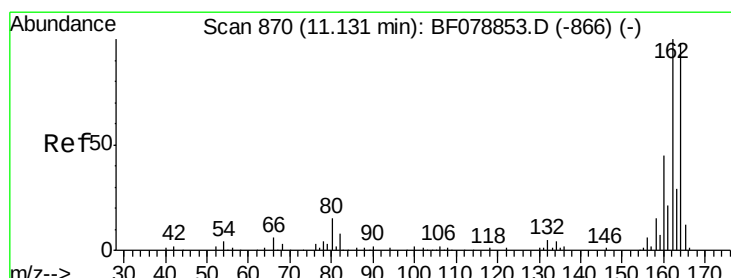
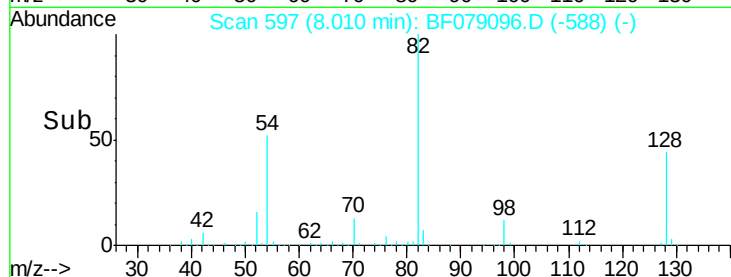
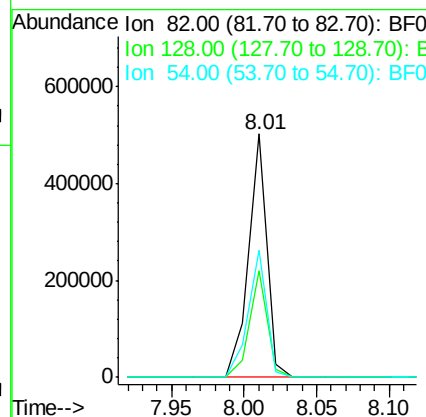
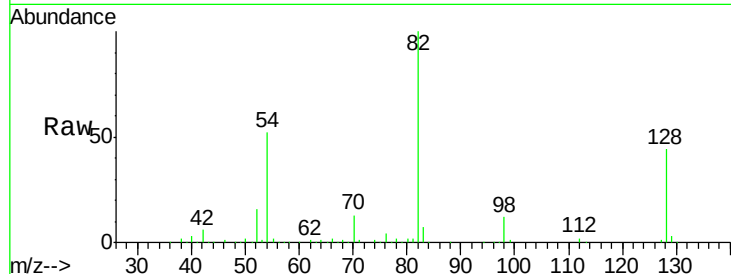
#23
Nitrobenzene-d5
Concen: 72.15 ng
RT: 8.01 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Instrument :
BNA_F
ClientSampleId :
B1-0-2

Tot Ion	82	Resp	441796
Ion Ratio	100	Lower	Upper
128	43.9	30.0	45.0
54	52.0	46.4	69.6

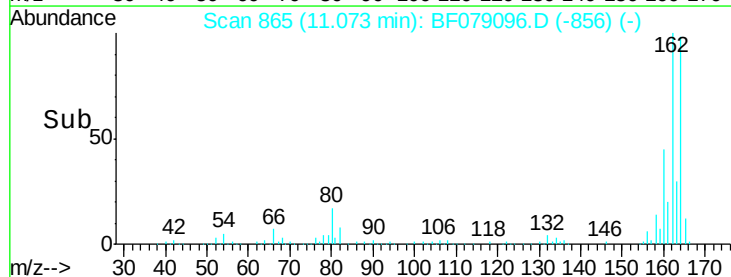
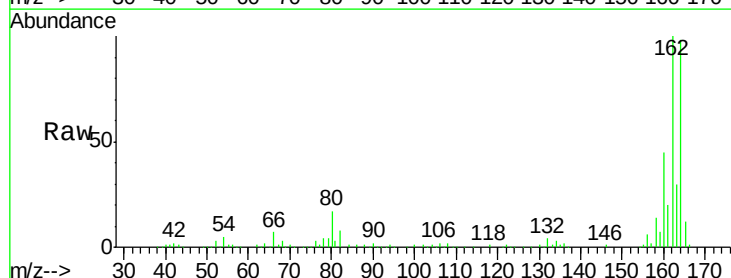
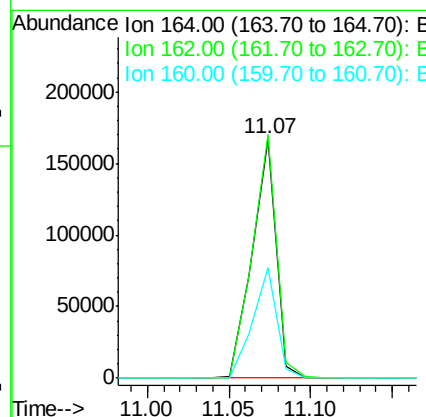
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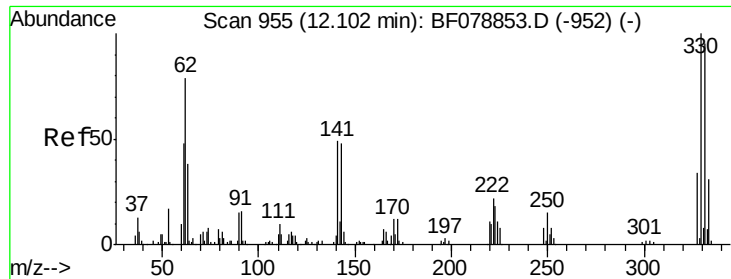
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.00 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Tgt Ion	164	Resp	169854
Ion Ratio	100	Lower	Upper
162	102.0	82.7	124.1
160	46.1	35.8	53.8





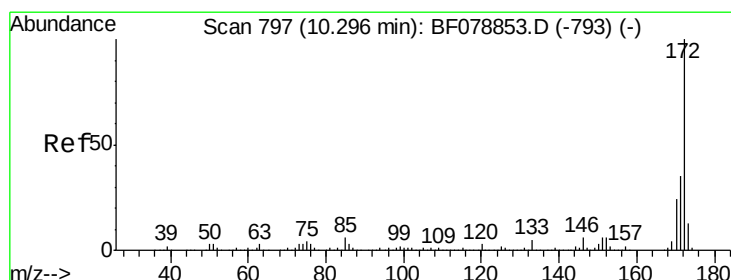
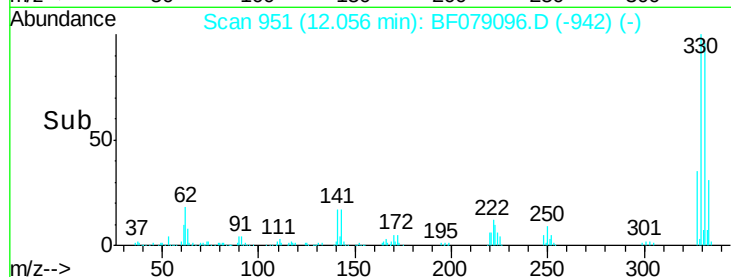
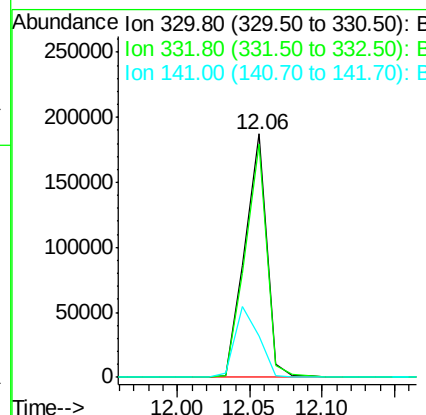
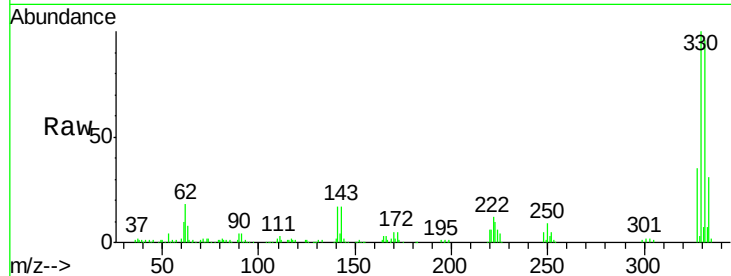
#41
 2,4,6-Tribromophenol
 Concen: 107.32 ng
 RT: 12.06 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF079096.D
 Acq: 9 May 2015 22:47

Instrument :
 BNA_F
 ClientSampled :
 B1-0-2

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	32.4	0.0	0.0#

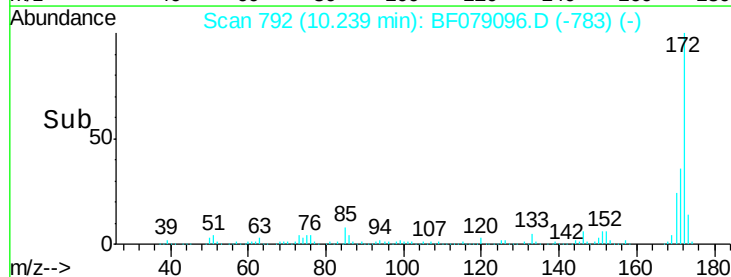
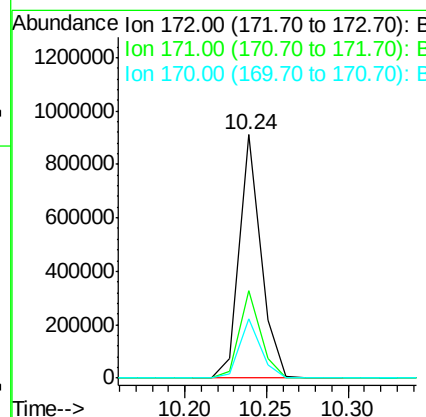
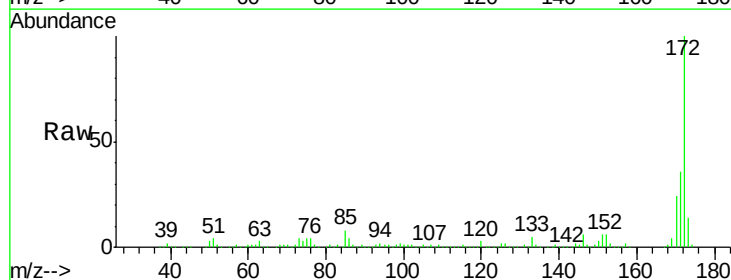
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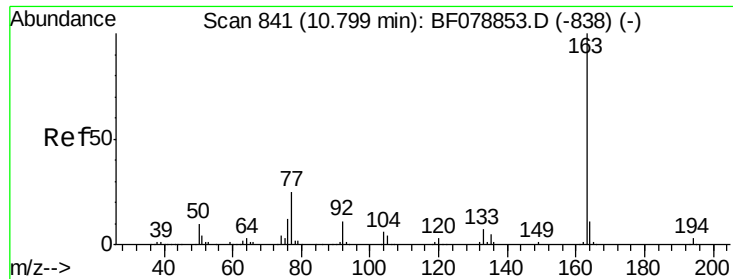
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#44
 2-Fluorobiphenyl
 Concen: 68.17 ng
 RT: 10.24 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF079096.D
 Acq: 9 May 2015 22:47

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	27.9	41.9
170	24.4	19.4	29.0





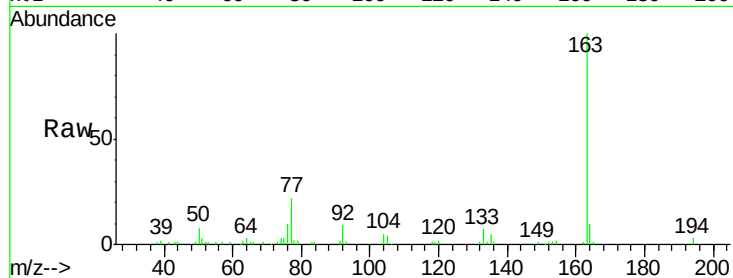
#49
Dimethylphthalate
Concen: 5.06 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Instrument :
BNA_F
ClientSampled :
B1-0-2

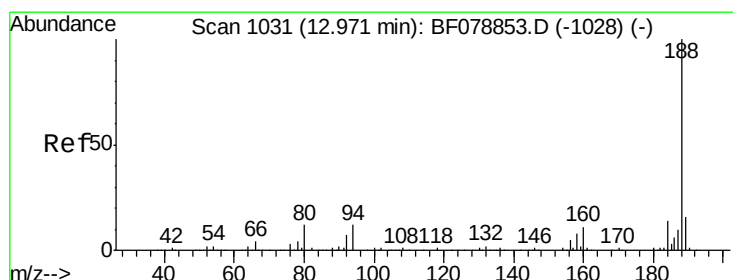
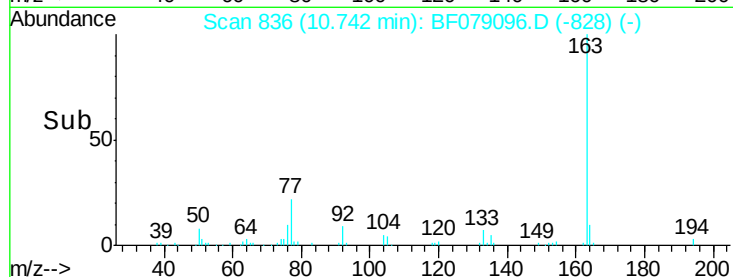
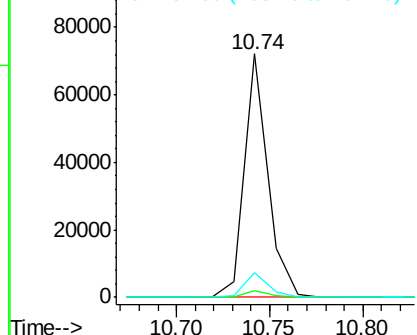
Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.3	8.1	12.1

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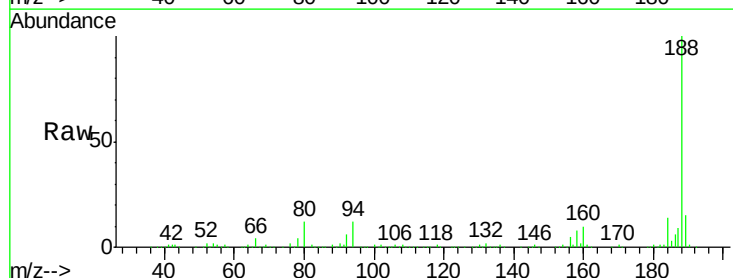


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

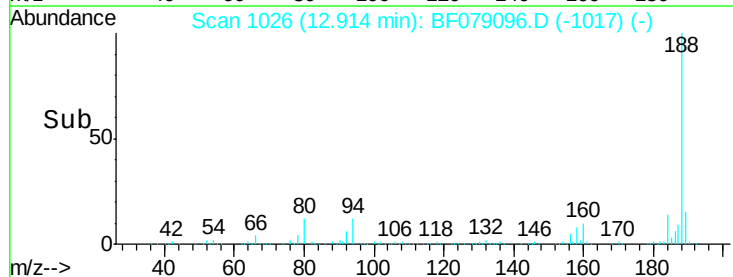
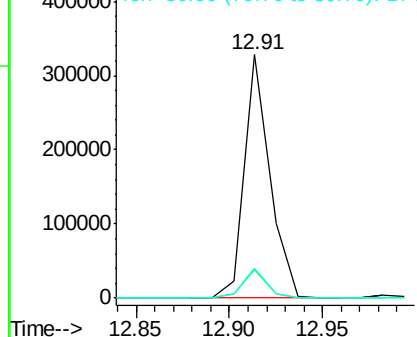


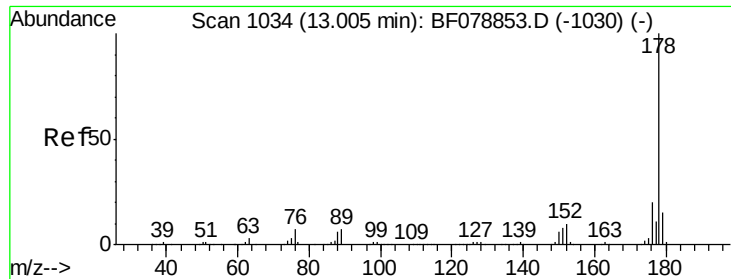
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.91 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.2	12.2
80	12.4	8.9	13.3



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: 2.28 ng

RT: 12.95 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Instrument :

BNA_F

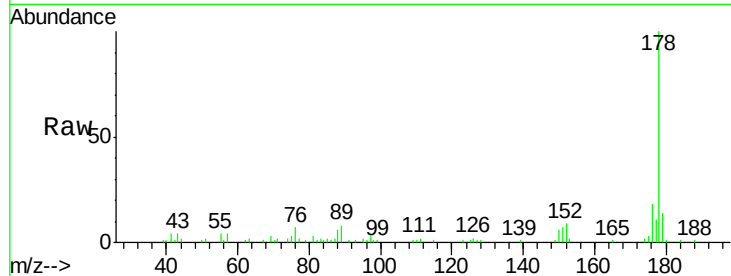
ClientSampled :

B1-0-2

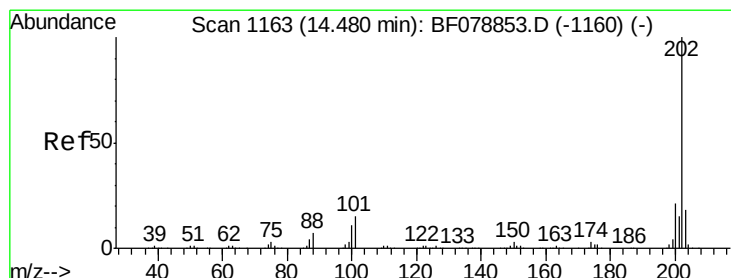
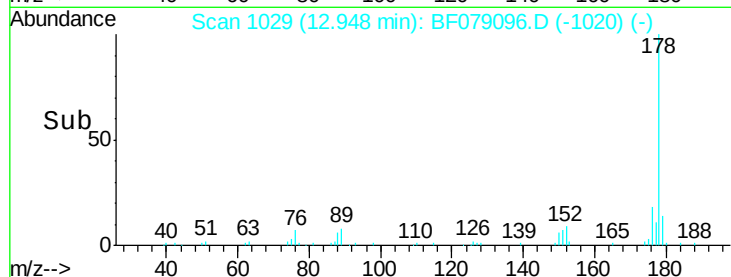
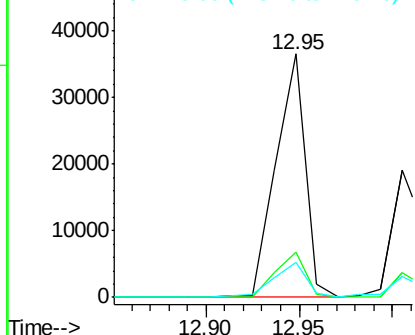
Tot Ion:	178	Resp:	39892
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.8	23.8
179	14.5	12.5	18.7

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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: 6.17 ng

RT: 14.42 min Scan# 1158

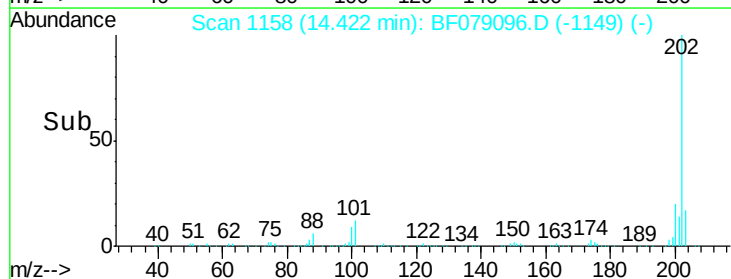
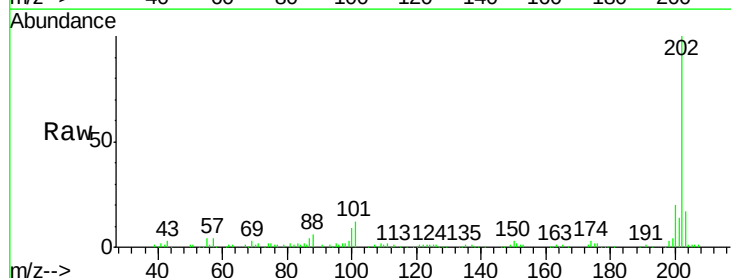
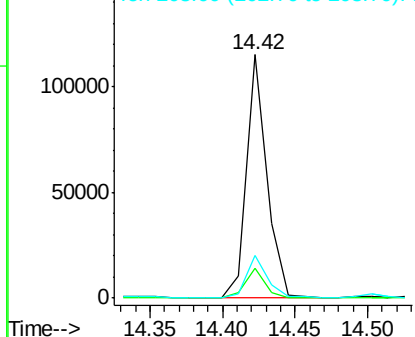
Delta R.T. -0.00 min

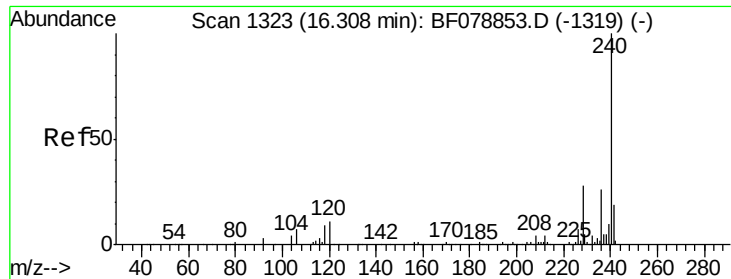
Lab File: BF079096.D

Acq: 9 May 2015 22:47

Tgt Ion:	202	Resp:	112307
Ion Ratio	Lower	Upper	
202	100		
101	12.0	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: 16.22 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Instrument :

BNA_F

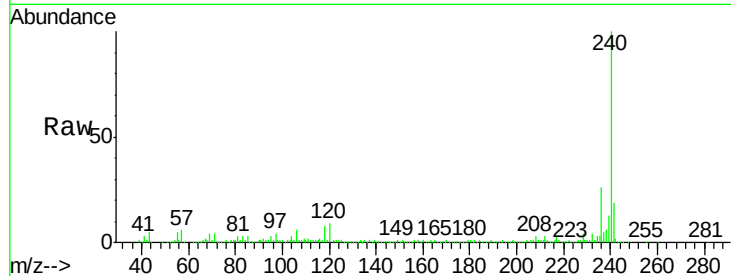
ClientSampleId :

B1-0-2

Tot Ion:	240	Resp:	299966
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.7	14.5#
236	25.9	20.2	30.4

Manual Integrations
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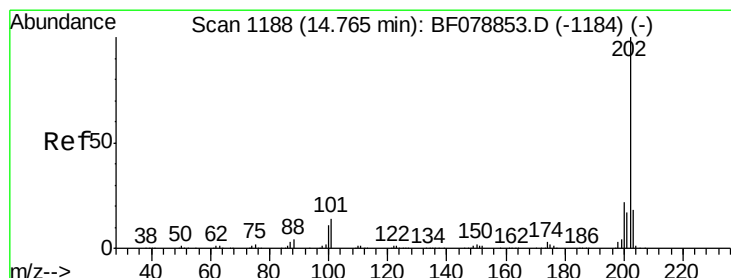
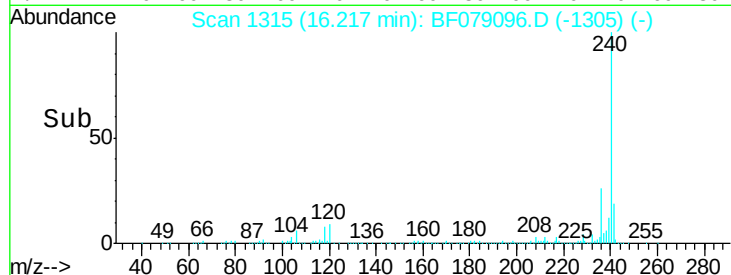
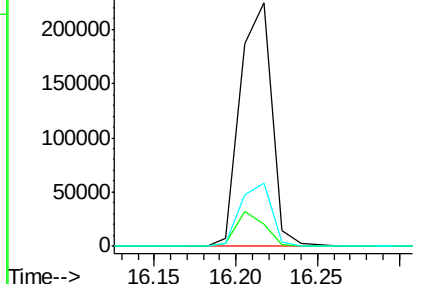
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.59 ng

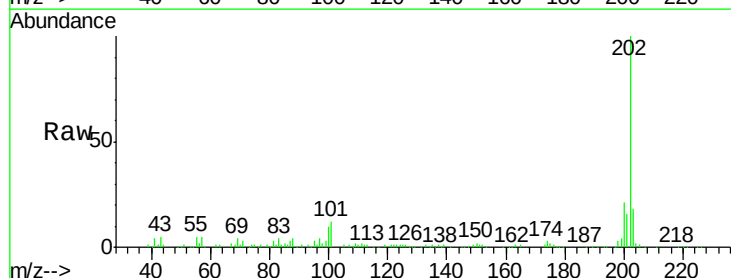
RT: 14.71 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

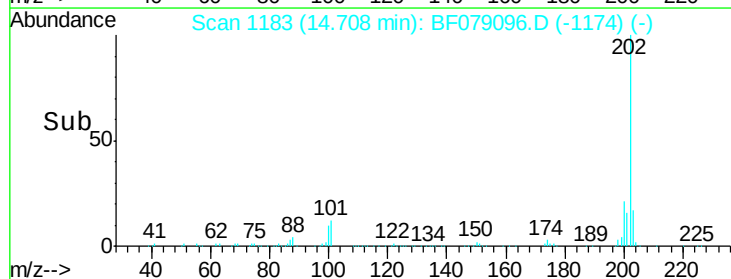
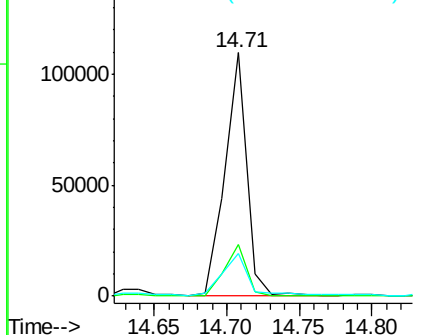
Tgt Ion:	202	Resp:	113903
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.5	26.3
203	17.7	13.9	20.9

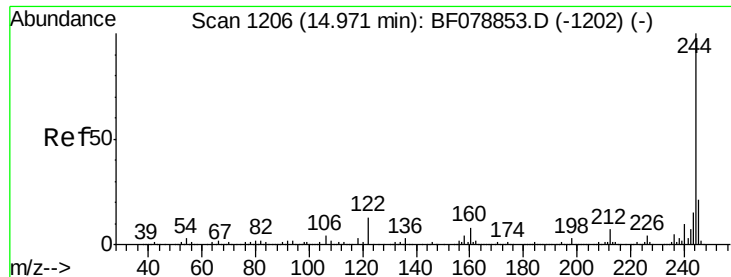


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.30 ng

RT: 14.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Instrument :

BNA_F

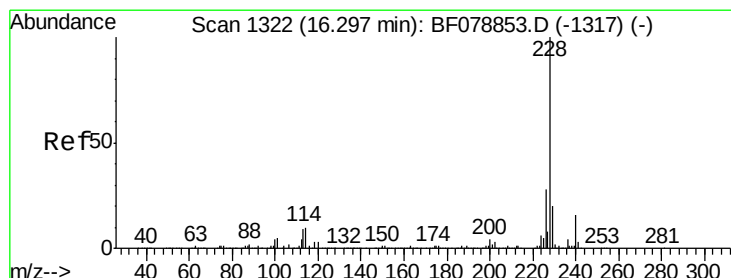
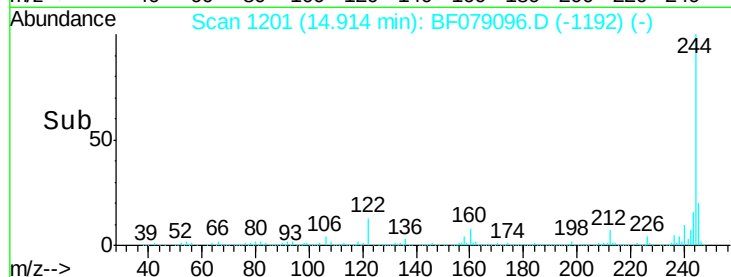
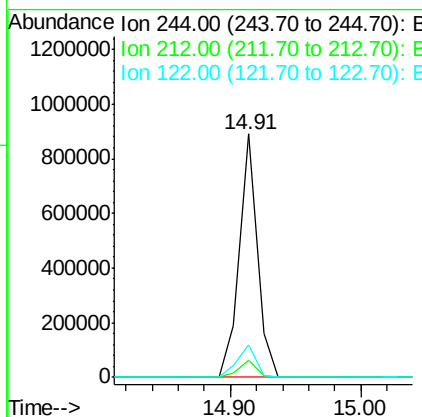
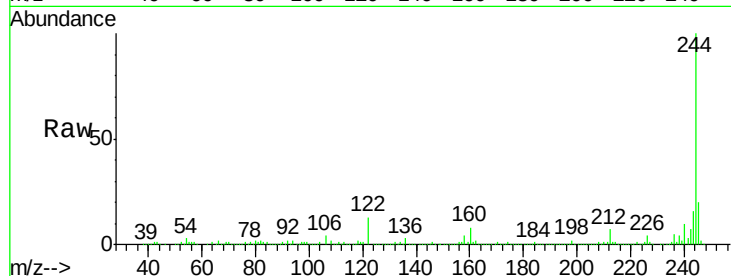
ClientSampled :

B1-0-2

Tot Ion:	244	Resp:	855769
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	13.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.84 ng m

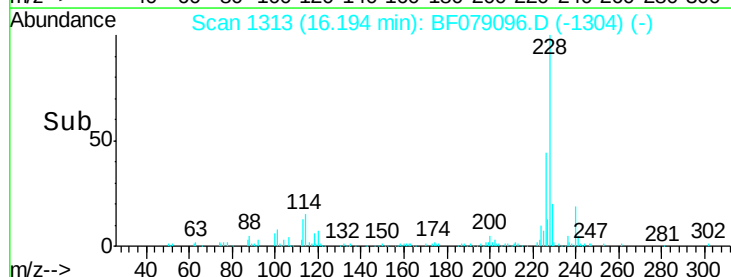
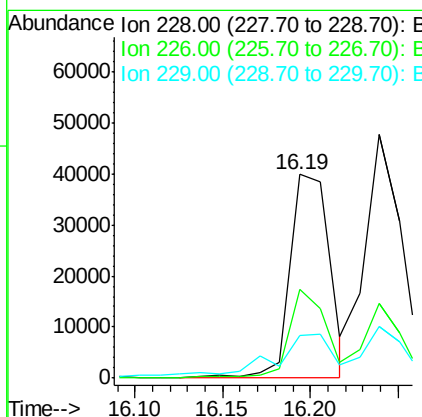
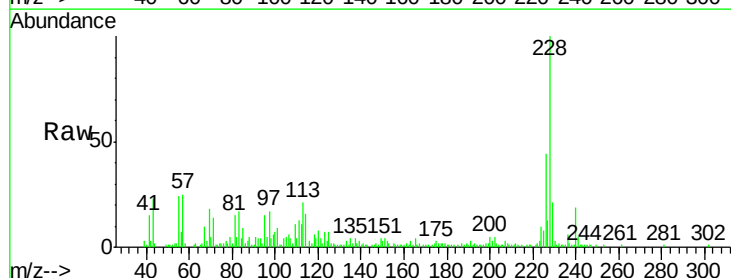
RT: 16.19 min Scan# 1313

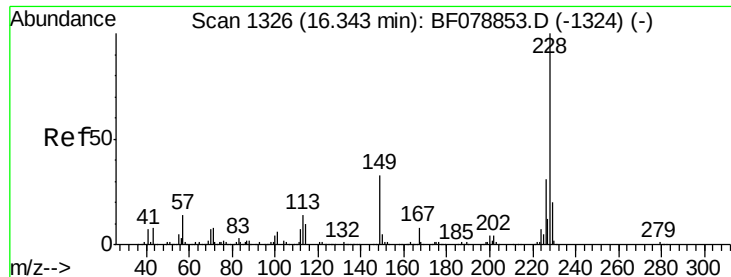
Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Tgt Ion:	228	Resp:	63044
Ion Ratio	Lower	Upper	
228	100		
226	43.9	22.6	33.8#
229	20.9	15.9	23.9





#82

Chrysene

Concen: 4.17 ng

RT: 16.24 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Instrument :

BNA_F

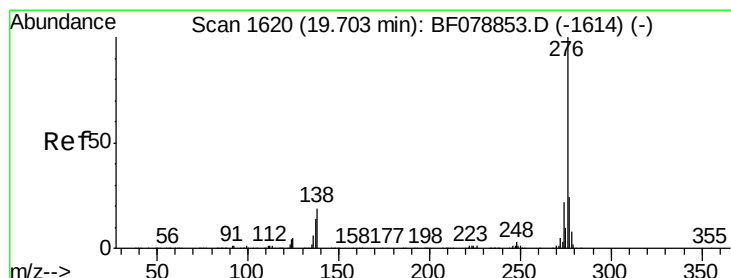
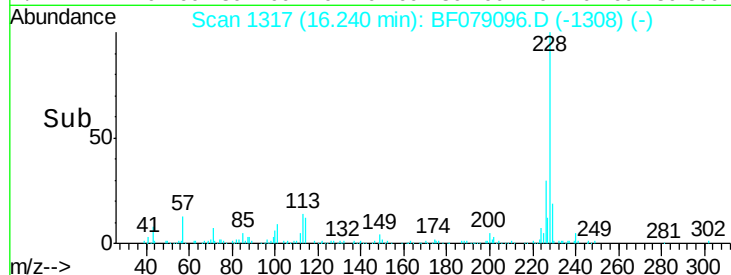
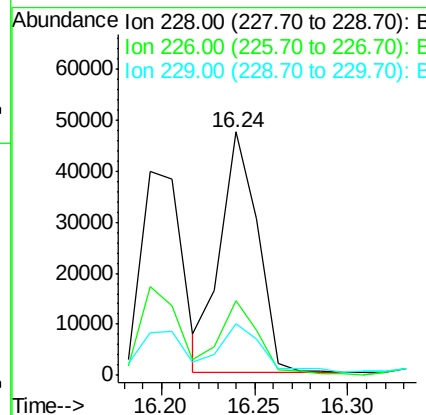
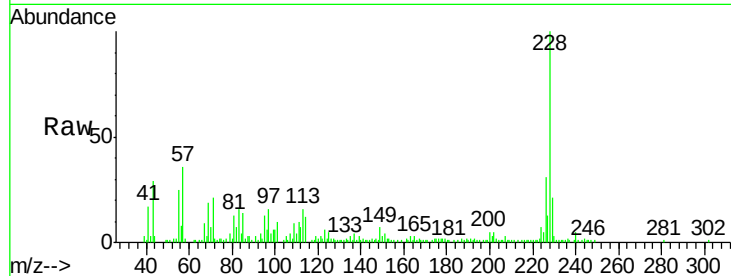
ClientSampled :

B1-0-2

Tot Ion:	228	Resp:	65807
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	21.4	16.0	24.0

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.36 ng

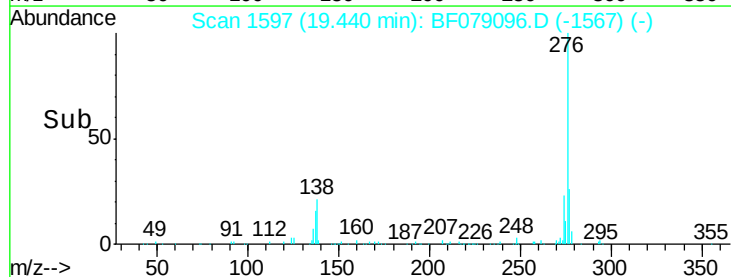
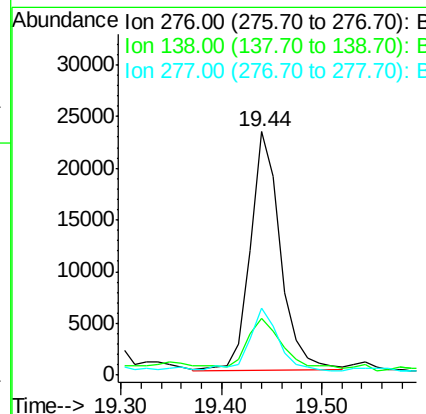
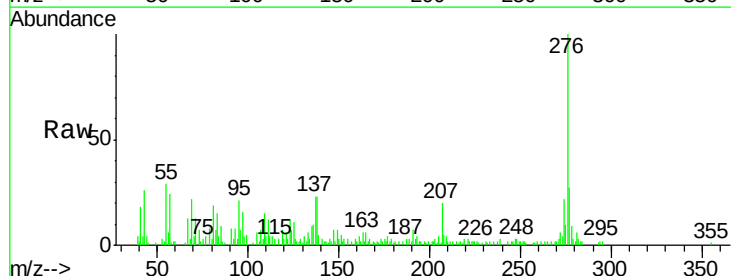
RT: 19.44 min Scan# 1597

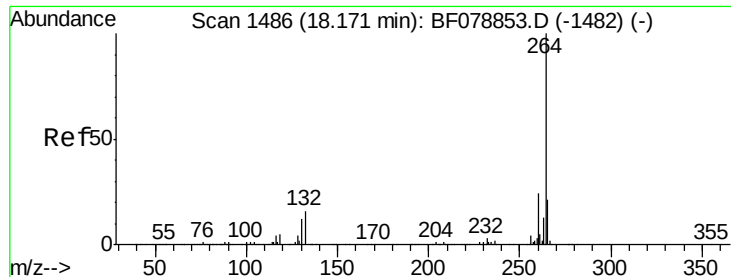
Delta R.T. 0.05 min

Lab File: BF079096.D

Acq: 9 May 2015 22:47

Tgt Ion:	276	Resp:	47584
Ion Ratio	Lower	Upper	
276	100		
138	24.4	0.0	0.0#
277	26.4	0.0	0.0#





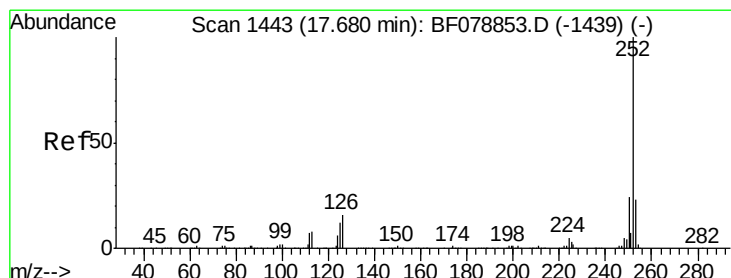
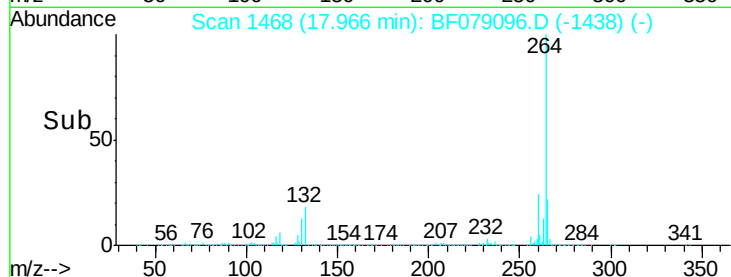
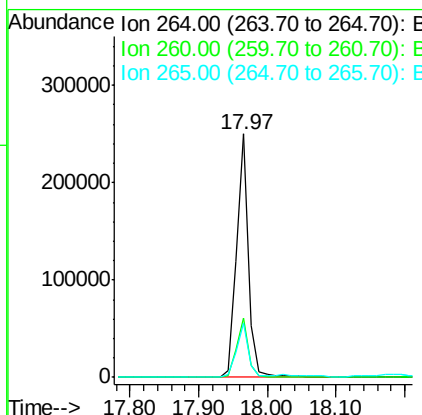
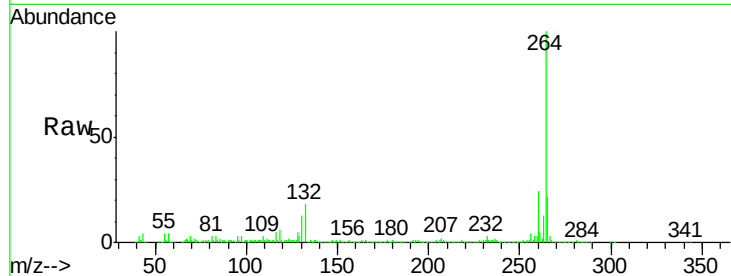
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.97 min Scan# 1468
Delta R.T. 0.05 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Instrument :
BNA_F
ClientSampleId :
B1-0-2

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.5	19.4	29.2	
265	22.1	18.3	27.5	

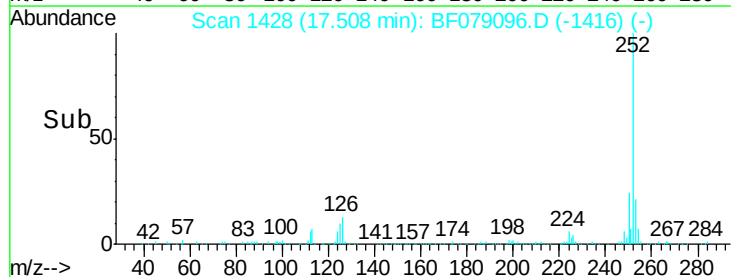
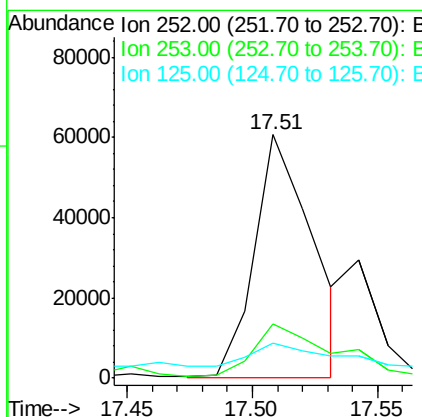
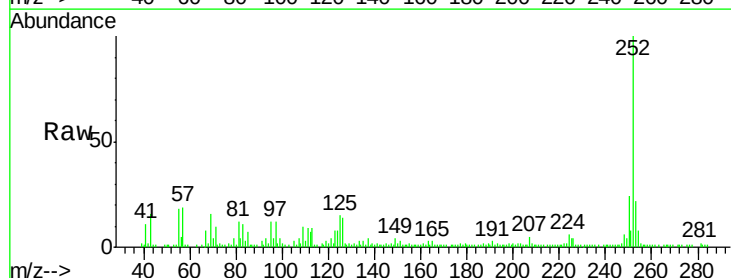
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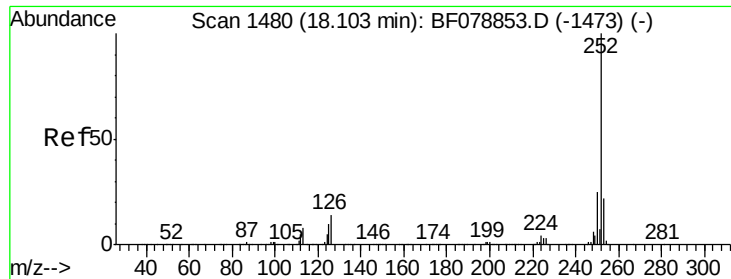
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#87
Benzo(b)fluoranthene
Concen: 5.80 ng m
RT: 17.51 min Scan# 1428
Delta R.T. 0.03 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.3	17.7	26.5	
125	14.6	9.5	14.3#	





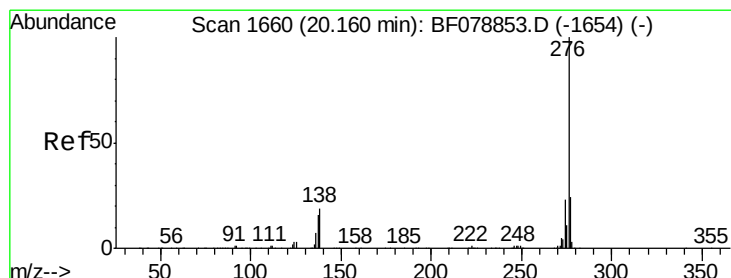
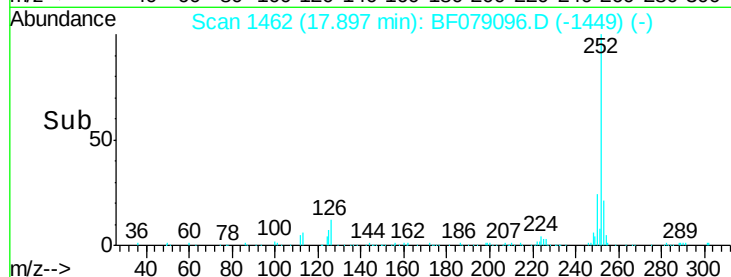
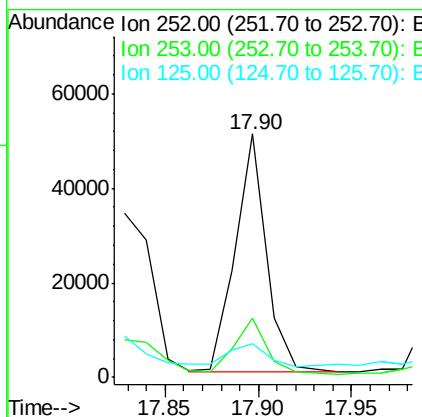
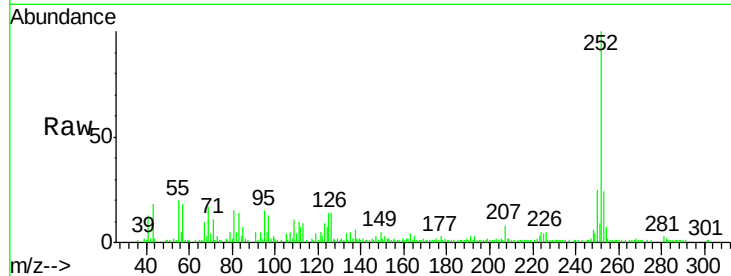
#89
Benzo(a)pyrene
Concen: 3.77 ng
RT: 17.90 min Scan# 1462
Delta R.T. 0.05 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Instrument :
BNA_F
ClientSampleId :
B1-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	13.6	7.0	10.6

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#91
Benzo(g,h,i)perylene
Concen: 2.79 ng
RT: 19.89 min Scan# 1636
Delta R.T. 0.05 min
Lab File: BF079096.D
Acq: 9 May 2015 22:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	22.9	17.4	26.0

