

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079006.D
 Acq On : 7 May 2015 20:07
 Operator : TP/IZ
 Sample : G2084-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Manual Integrations
 APPROVED

apatel
 5/8/2015 3:50:53 PM

Quant Time: May 08 01:51:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	60360	20.00	ng	0.01
21) Naphthalene-d8	8.91	136	246204	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	128808	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	250905	20.00	ng	0.01
75) Chrysene-d12	16.27	240	268038	20.00	ng	0.00
86) Perylene-d12	18.14	264	276777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	77438	22.08	ng	0.01
7) Phenol-d6	6.90	99	105286	22.72	ng	0.01
23) Nitrobenzene-d5	8.03	82	56292	13.14	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	27504	19.74	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	98078	10.61	ng	0.00
78) Terphenyl-d14	14.95	244	118046	10.54	ng	0.01
Target Compounds						
74) Fluoranthene	14.46	202	46364	3.17	ng	Qvalue 97
77) Pyrene	14.74	202	43653	2.83	ng	96
80) Benzo(a)anthracene	16.26	228	31553	2.15	ng	# 81
87) Benzo(b)fluoranthene	17.66	252	43602m	2.88	ng	
89) Benzo(a)pyrene	18.07	252	29096	2.09	ng	# 64

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

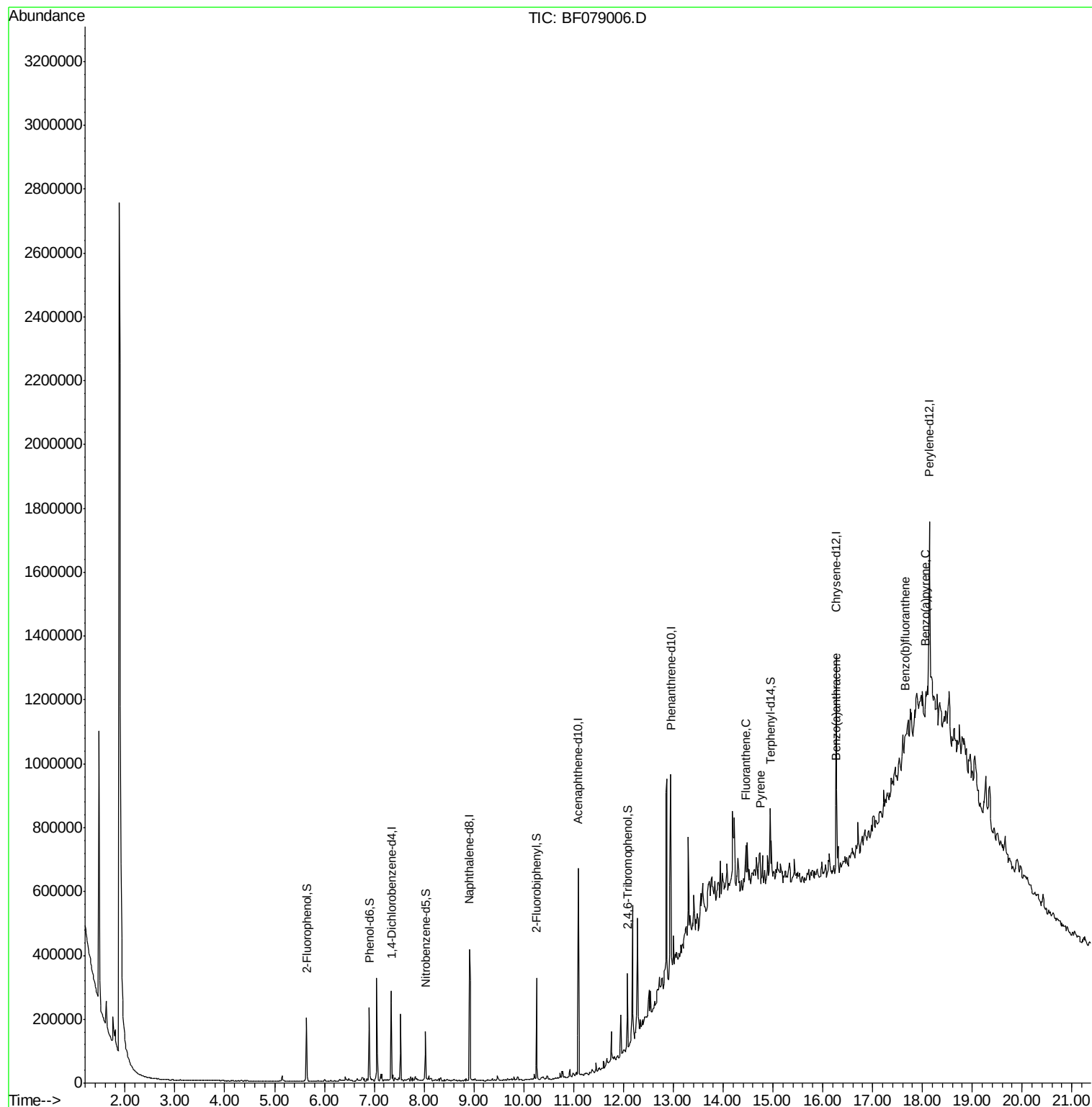
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF079006.D
Acq On : 7 May 2015 20:07
Operator : TP/IZ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

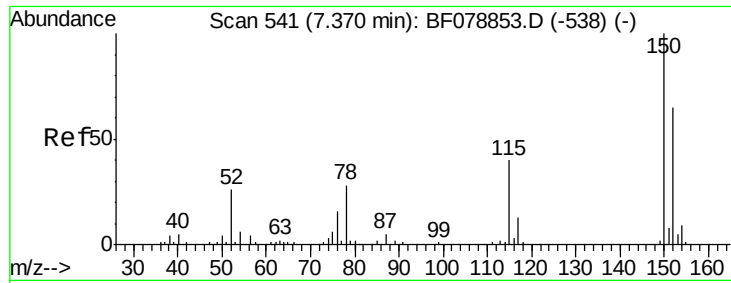
Instrument :
BNA_F
ClientSampleId :
1

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Quant Time: May 08 01:51:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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#1

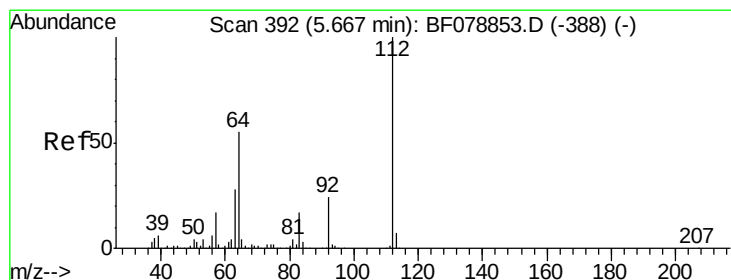
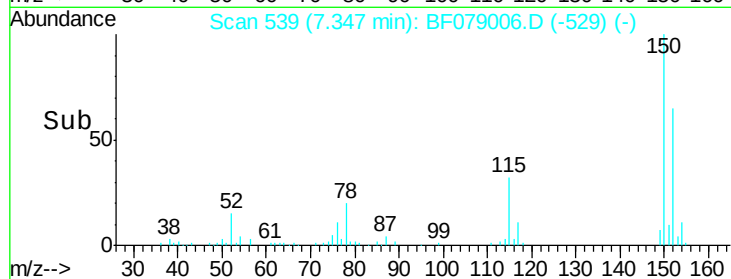
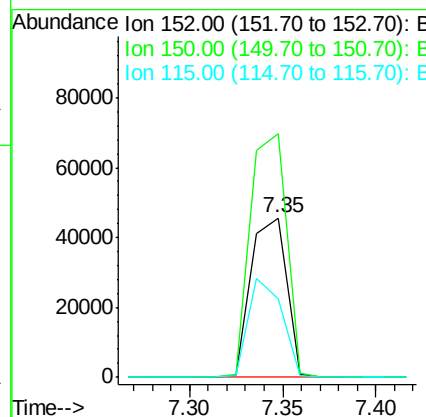
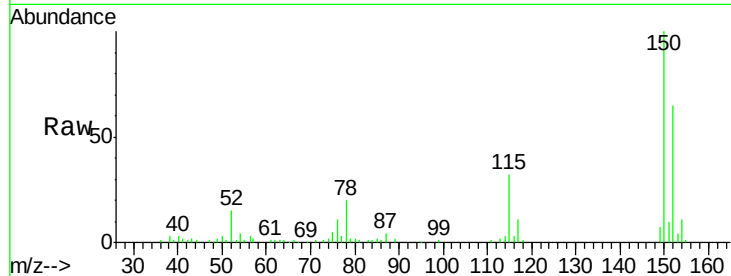
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.0	183.0
115	49.2	46.3	69.5

Manual Integrations
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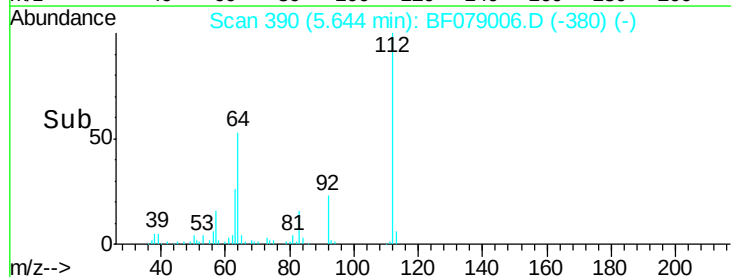
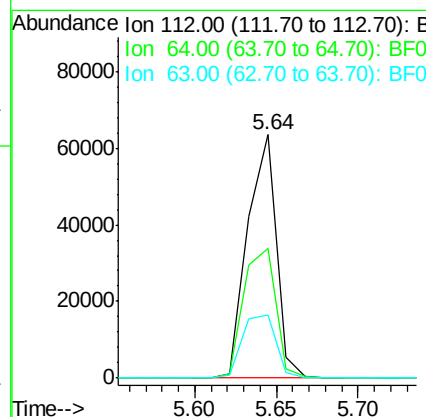
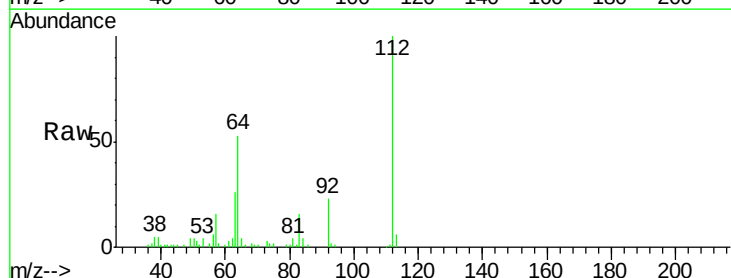
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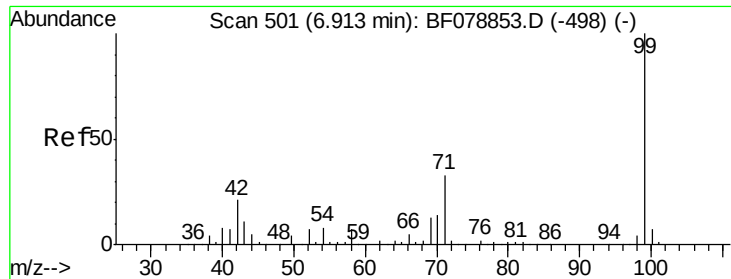


#5

2-Fluorophenol
Concen: 22.08 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	53.5	80.3#
63	25.8	27.5	41.3#





#7

Phenol-d6

Concen: 22.72 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Instrument :

BNA_F

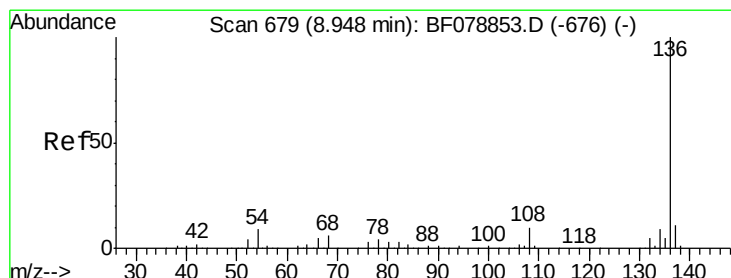
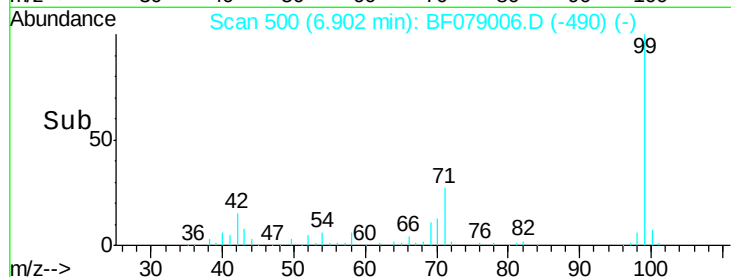
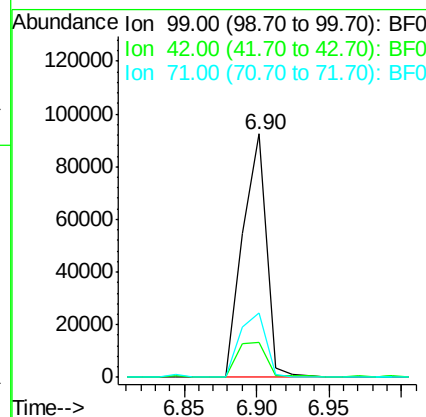
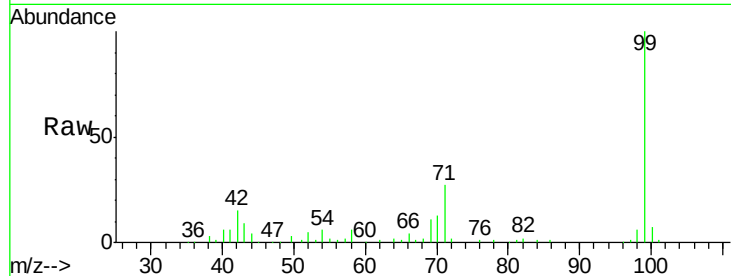
ClientSampled :

1

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Tot Ion:	99	Resp:	105286
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.8	19.2
71	26.7	23.4	35.2



#21

Naphthalene-d8

Concen: 20.00 ng

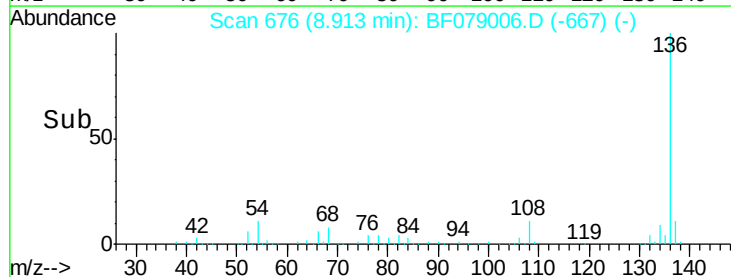
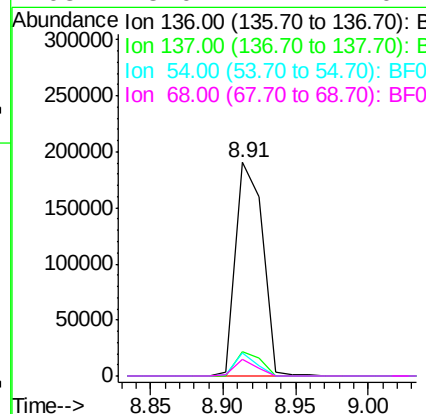
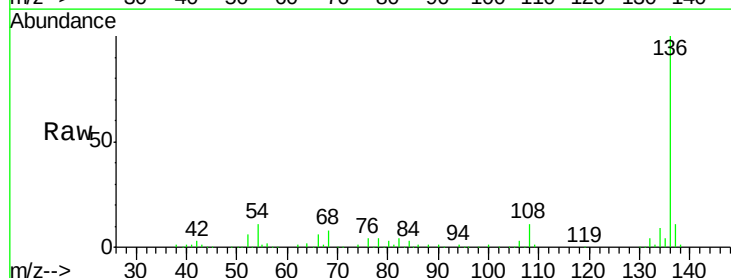
RT: 8.91 min Scan# 676

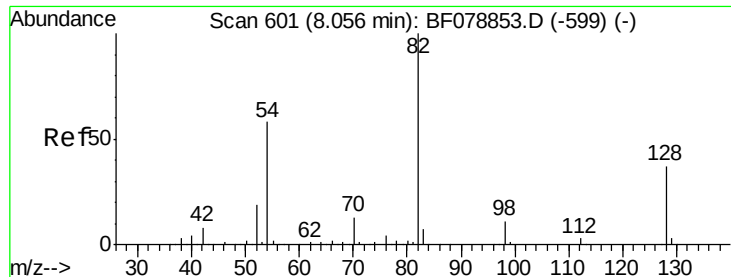
Delta R.T. 0.00 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Tgt Ion:	136	Resp:	246204
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	10.7	5.8	8.8#
68	8.0	4.2	6.4#





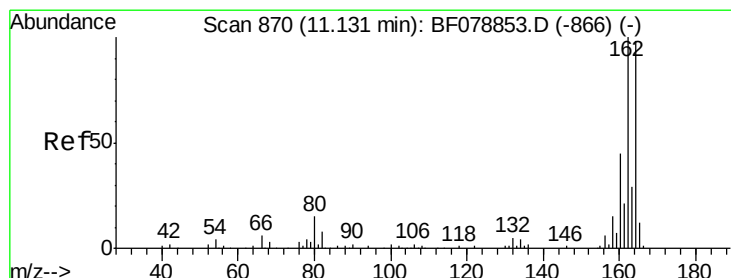
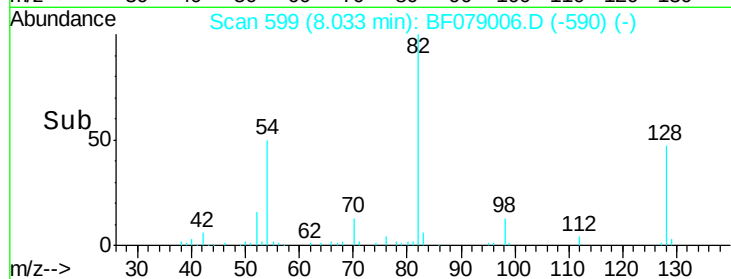
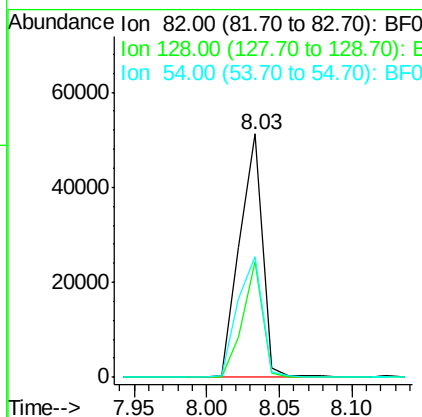
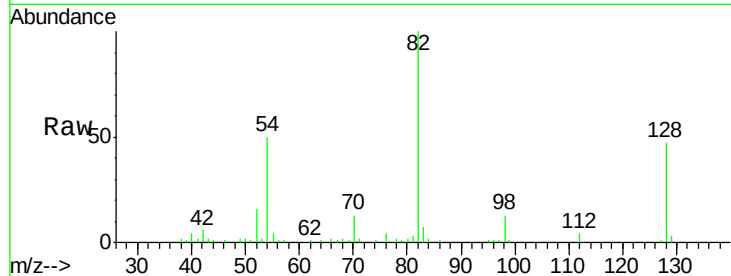
#23
 Nitrobenzene-d5
 Concen: 13.14 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Instrument :
 BNA_F
 ClientSampled :
 1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	56292		
128	47.4	30.0	45.0#	
54	49.7	46.4	69.6	

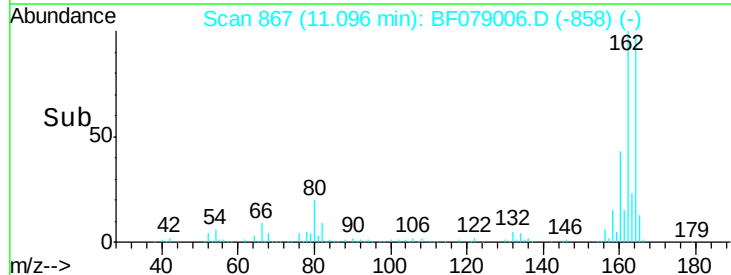
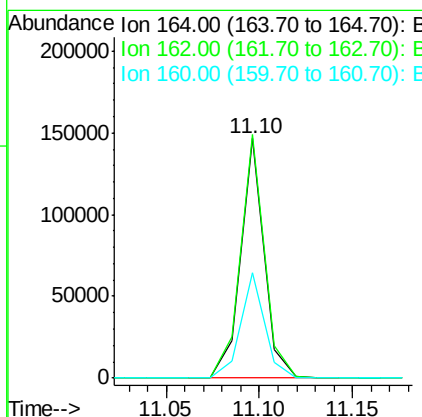
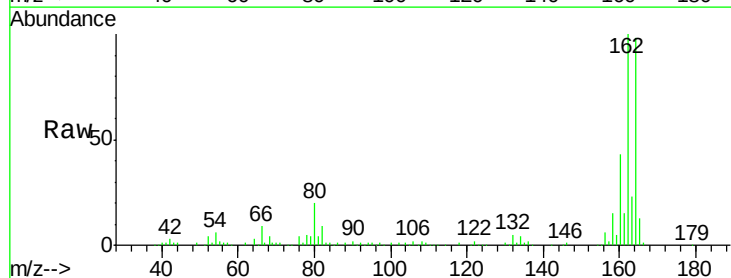
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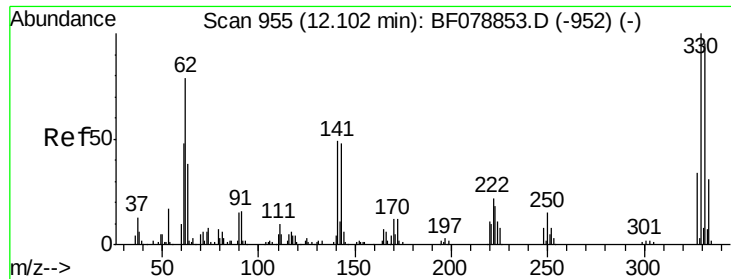
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	128808		
162	101.8	82.7	124.1	
160	43.8	35.8	53.8	





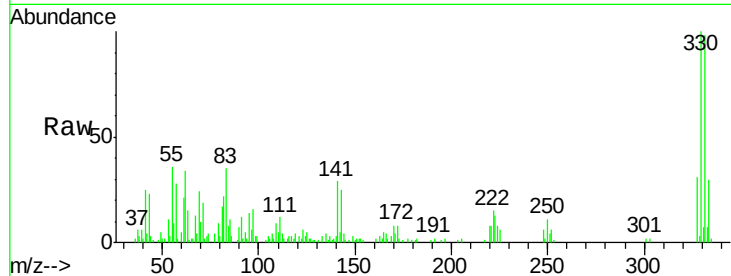
#41
 2,4,6-Tribromophenol
 Concen: 19.74 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	27504		
332	99.0	0.0	0.0	0.0
141	42.3	0.0	0.0	0.0

Manual Integrations
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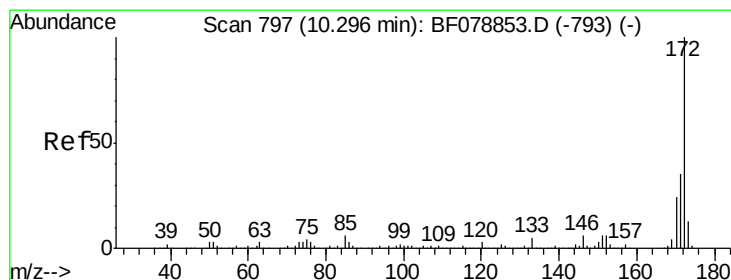
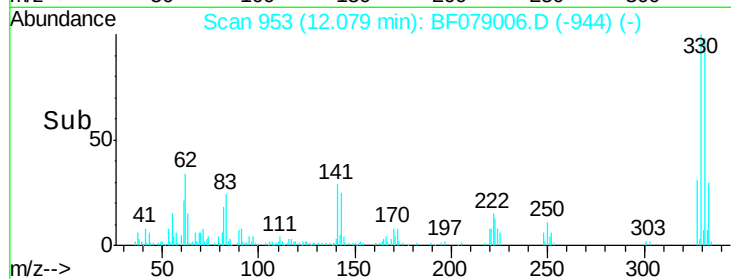
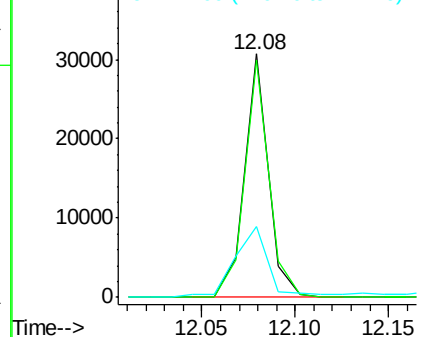


Abundance

Ion 329.80 (329.50 to 330.50): E

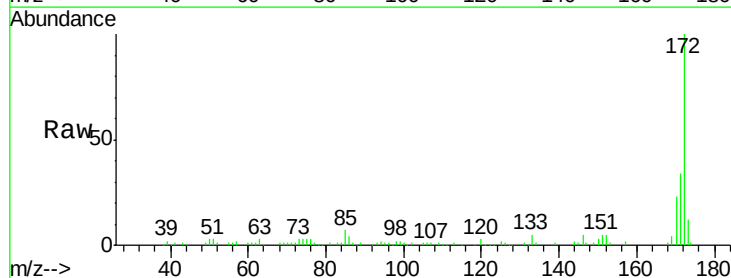
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 10.61 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	98078		
171	33.9	27.9	41.9	
170	22.7	19.4	29.0	

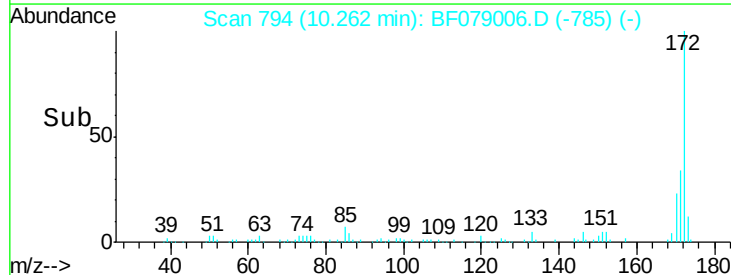
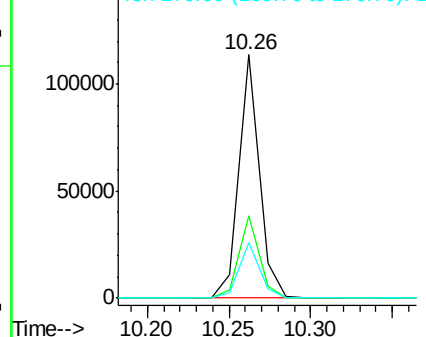


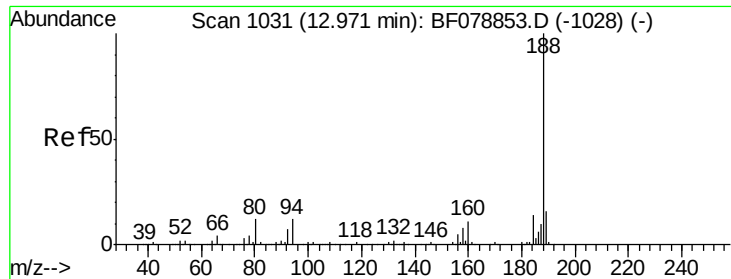
Abundance

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





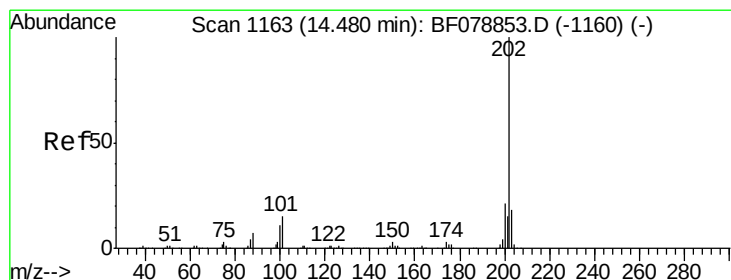
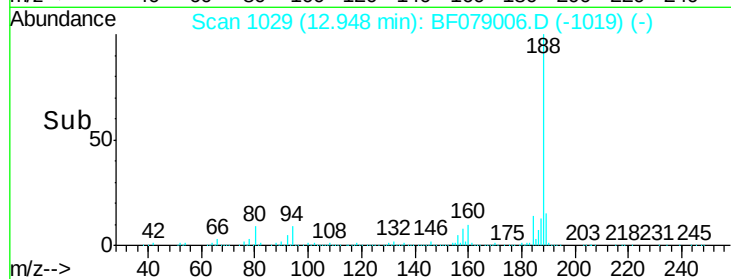
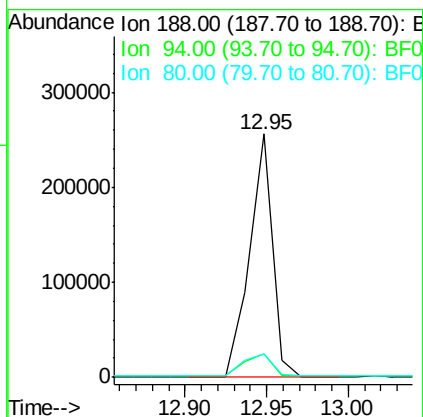
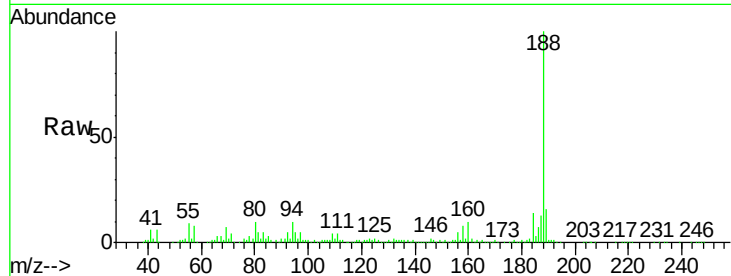
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampled :
1

Tot Ion:	188	Resp:	250905
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.2	12.2
80	9.7	8.9	13.3

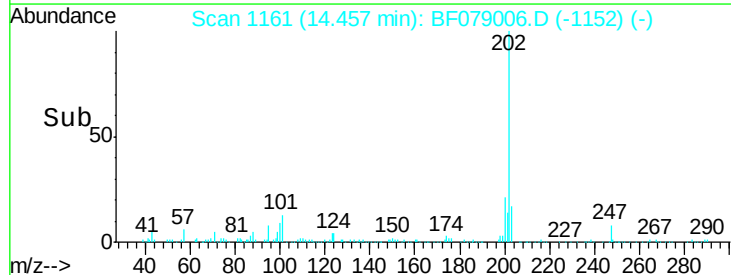
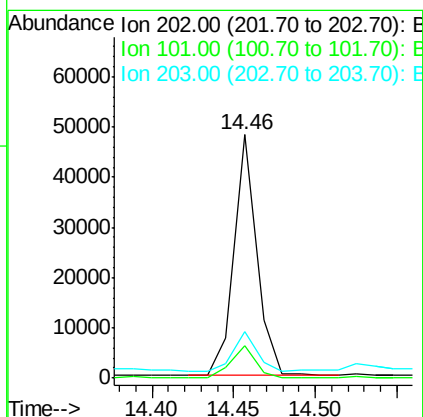
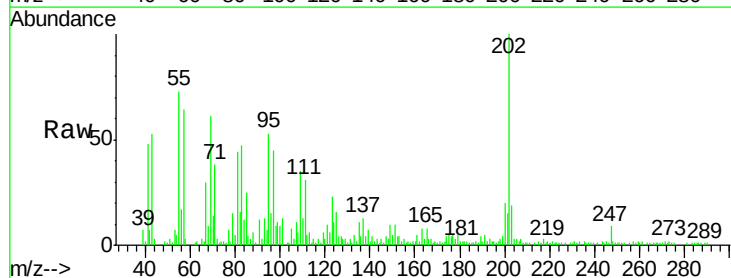
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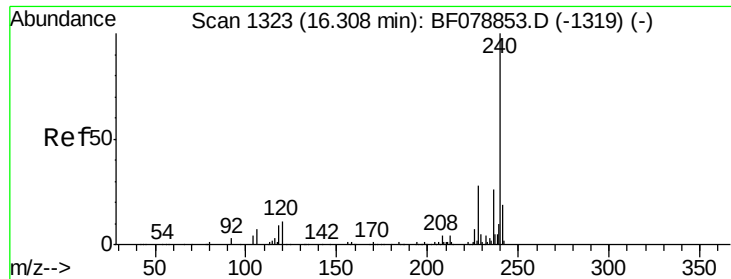
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#74
Fluoranthene
Concen: 3.17 ng
RT: 14.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion:	202	Resp:	46364
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.6
203	19.3	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.27 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Instrument :

BNA_F

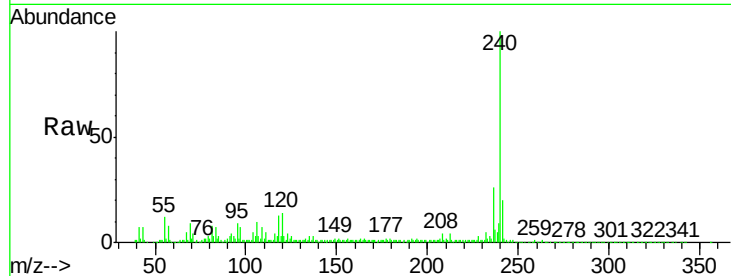
ClientSampled :

1

Tot Ion:	240	Resp:	268038
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.7	14.5
236	26.0	20.2	30.4

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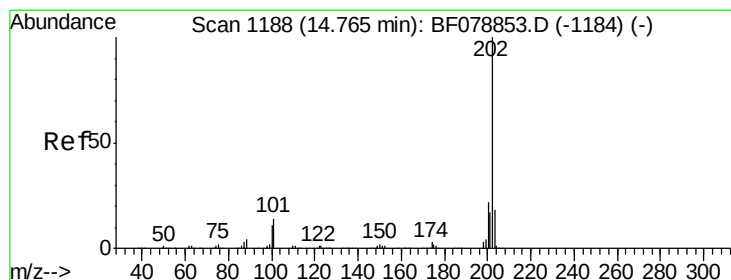
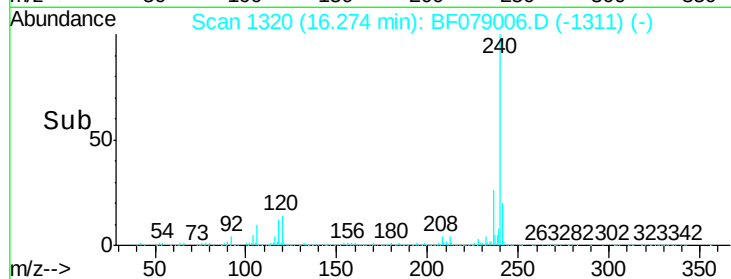
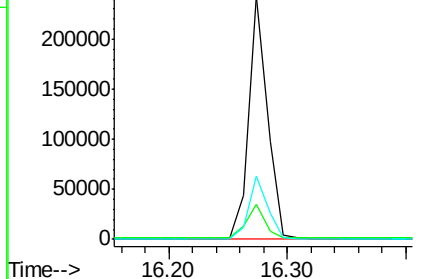
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.83 ng

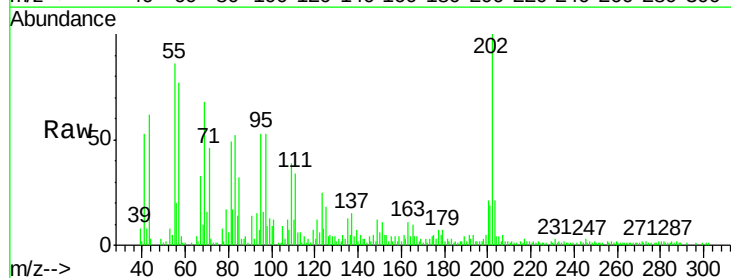
RT: 14.74 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

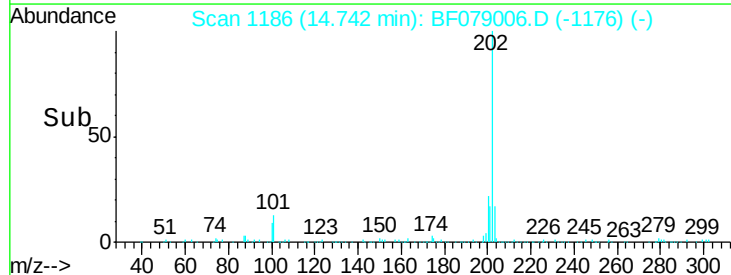
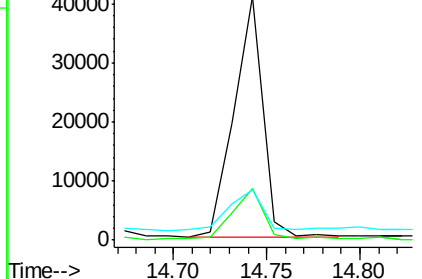
Tgt Ion:	202	Resp:	43653
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.5	26.3
203	20.6	13.9	20.9

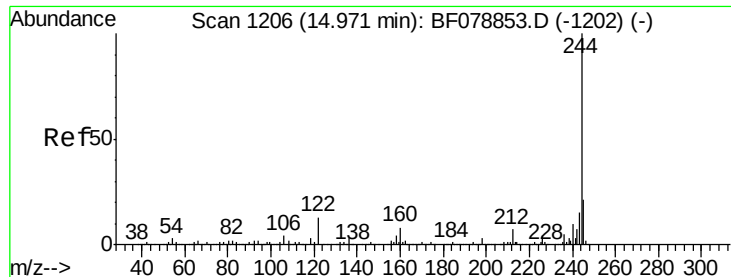


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.54 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Instrument :

BNA_F

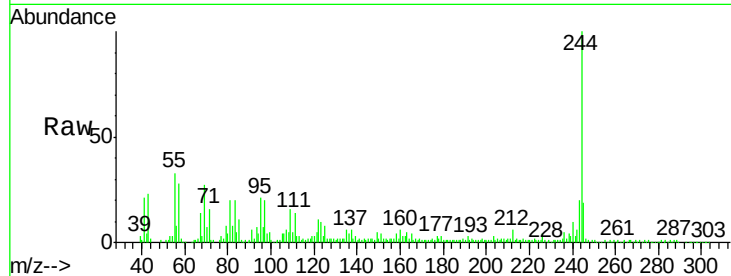
ClientSampled :

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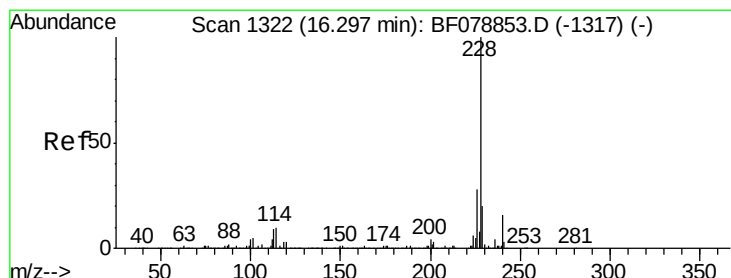
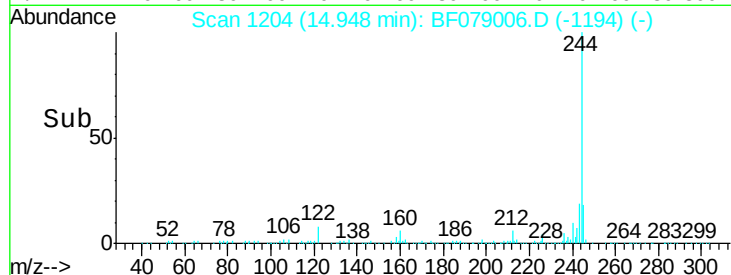
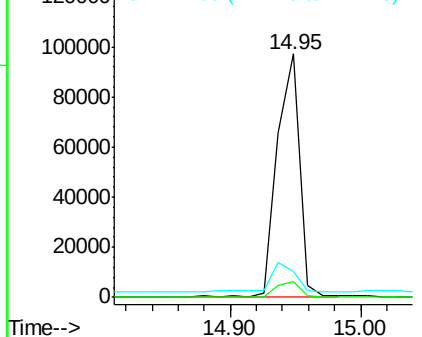
Tot Ion:	244	Resp:	118046
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.6	8.4
122	10.8	10.3	15.5

Manual Integrations
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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



#80

Benzo(a)anthracene

Concen: 2.15 ng

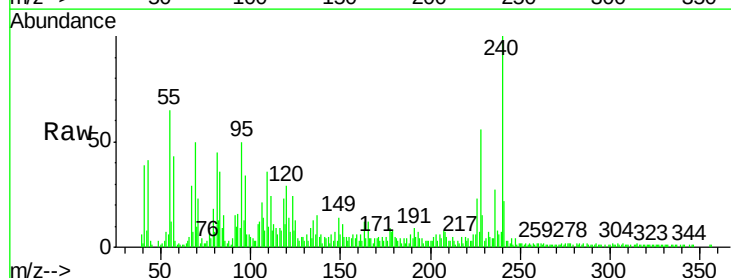
RT: 16.26 min Scan# 1319

Delta R.T. 0.00 min

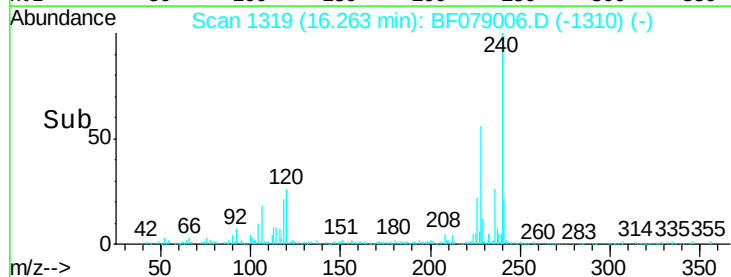
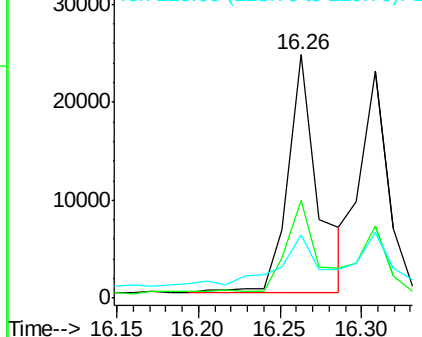
Lab File: BF079006.D

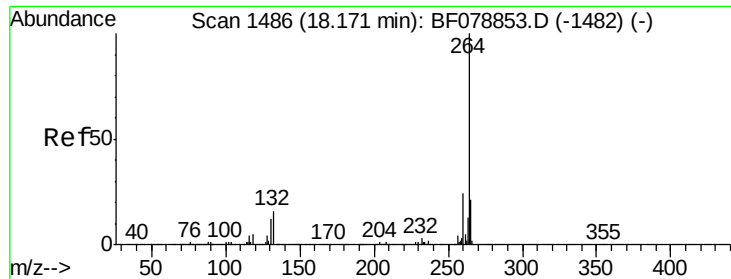
Acq: 7 May 2015 20:07

Tgt Ion:	228	Resp:	31553
Ion Ratio		Lower	Upper
228	100		
226	40.3	22.6	33.8#
229	25.8	15.9	23.9#



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





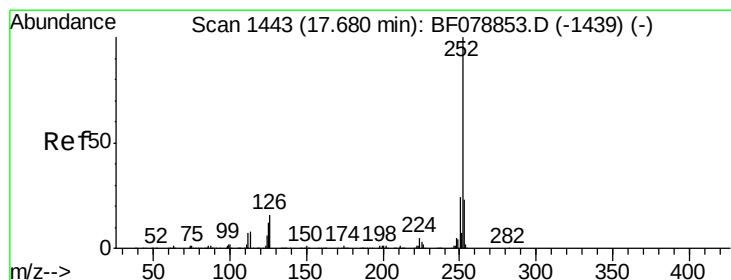
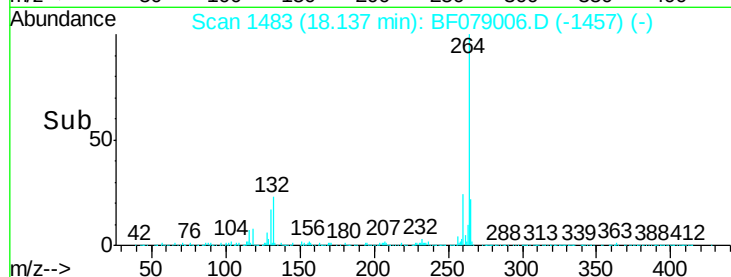
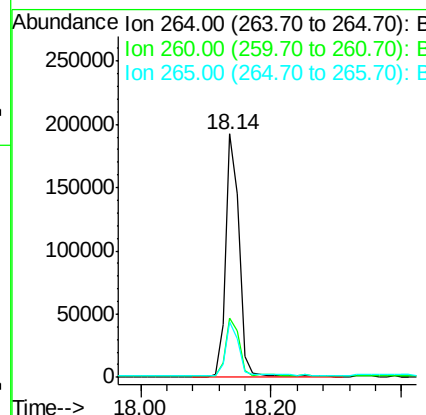
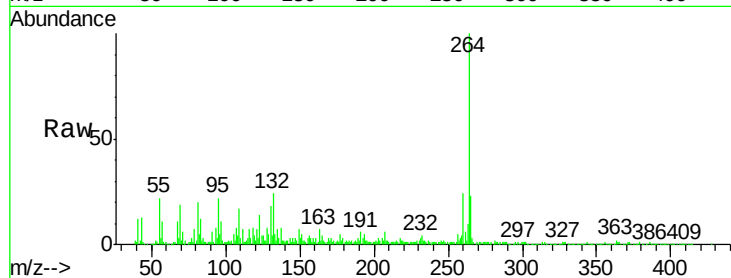
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.14 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.6	18.3	27.5

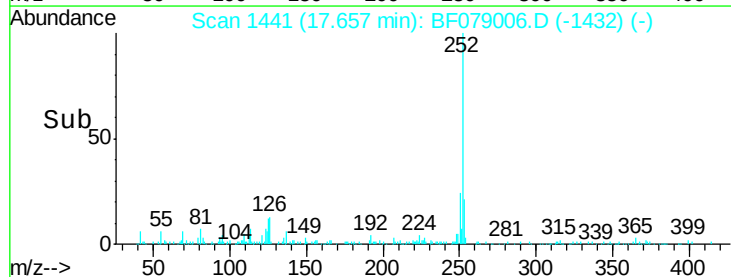
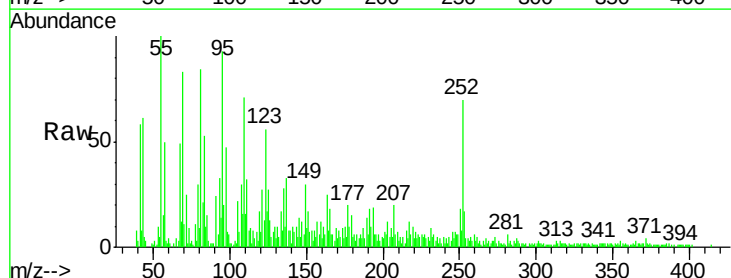
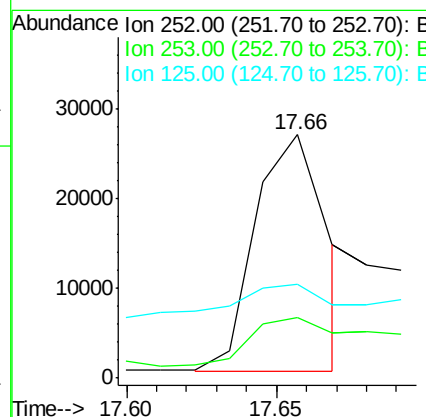
Manual Integrations
APPROVED

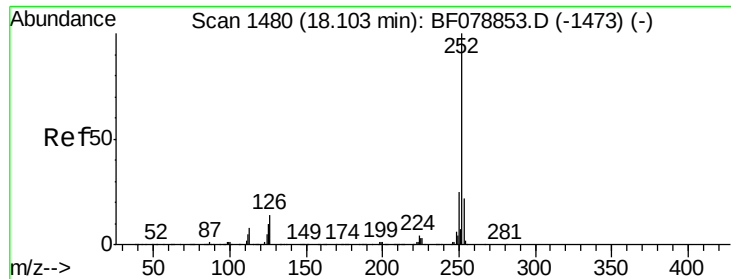
apatel
5/8/2015 3:50:53 PM



#87
Benzo(b)fluoranthene
Concen: 2.88 ng m
RT: 17.66 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	38.6	9.5	14.3#





#89
 Benzo(a)pyrene
 Concen: 2.09 ng
 RT: 18.07 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.3	25.9#
125	41.3	7.0	10.6#

Manual Integrations
 APPROVED

apatel
 5/8/2015 3:50:53 PM

