

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078959.D
 Acq On : 6 May 2015 14:39
 Operator : TP/IZ
 Sample : G2116-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47D

Manual Integrations
 APPROVED

apatel
 5/7/2015 1:57:06 PM

Quant Time: May 07 01:42:17 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	77039	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	327928	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	154462	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	304011	20.00	ng	0.00
75) Chrysene-d12	16.27	240	316316	20.00	ng	-0.03
86) Perylene-d12	18.14	264	344281	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	426048	95.20	ng	0.01
7) Phenol-d6	6.90	99	574150	97.05	ng	0.01
23) Nitrobenzene-d5	8.03	82	302061	52.94	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	145371	87.00	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	547359	49.37	ng	0.00
78) Terphenyl-d14	14.95	244	602930	45.63	ng	0.00
Target Compounds						
10) Phenol	6.91	94	17271	2.52	ng	Qvalue 98
49) Dimethylphthalate	10.78	163	41951	3.70	ng	99
74) Fluoranthene	14.46	202	75144	4.24	ng	94
77) Pyrene	14.73	202	70685	3.88	ng	# 92
80) Benzo(a)anthracene	16.26	228	44524	2.57	ng	97
82) Chrysene	16.31	228	36248	2.18	ng	97
87) Benzo(b)fluoranthene	17.66	252	57660	3.06	ng	99
89) Benzo(a)pyrene	18.07	252	40433	2.33	ng	# 95

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

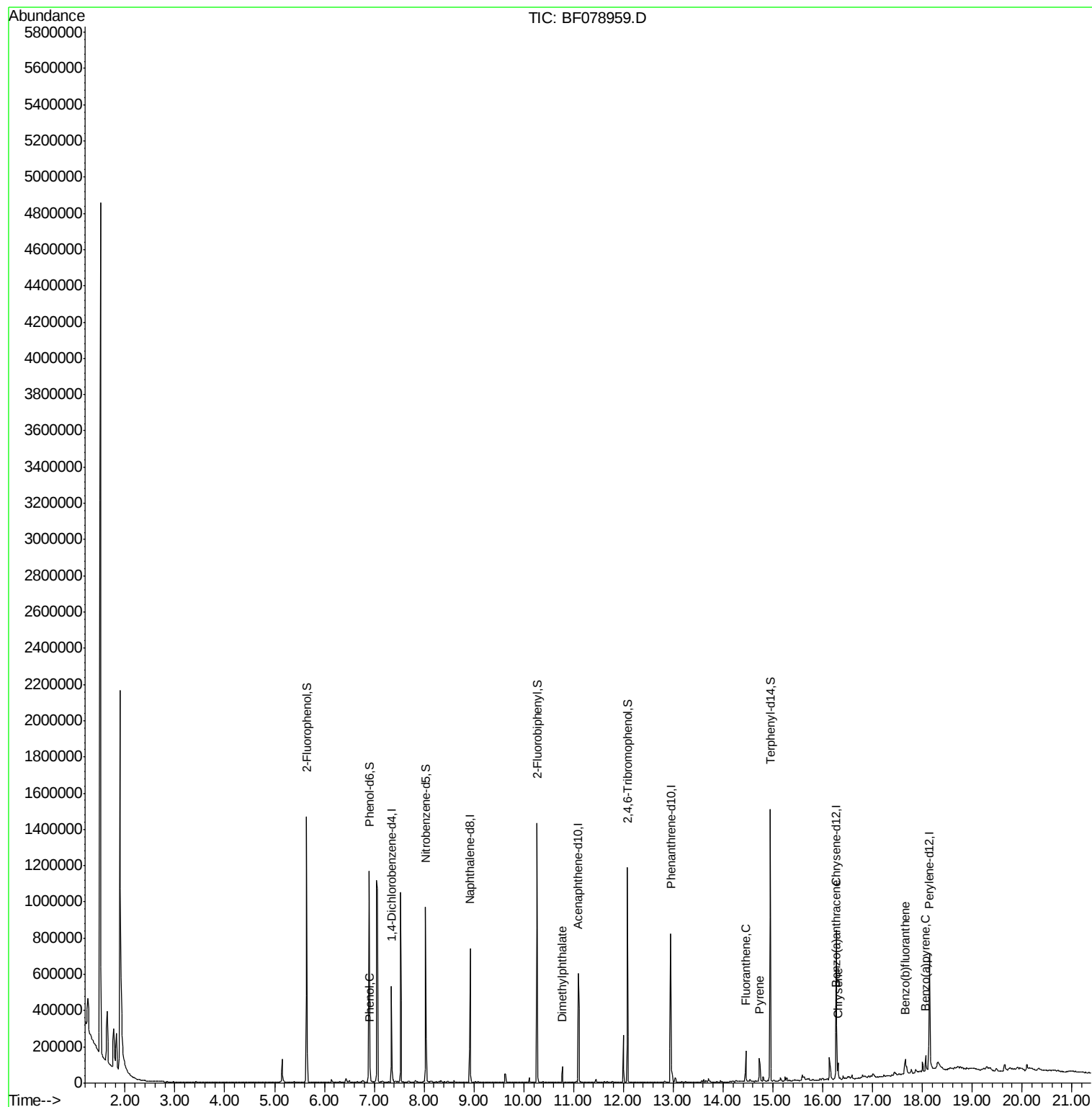
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078959.D
Acq On : 6 May 2015 14:39
Operator : TP/IZ
Sample : G2116-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

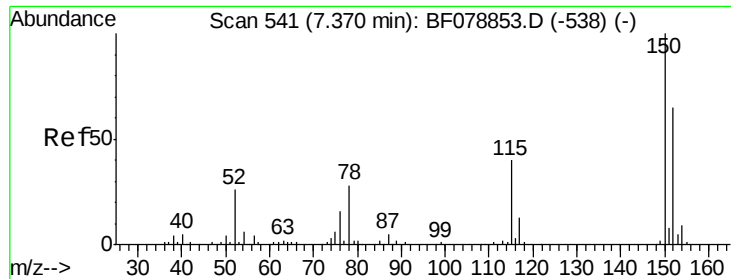
Instrument :
BNA_F
ClientSampleId :
SB-47D

Quant Time: May 07 01:42:17 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 07 00:45:56 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM





#1

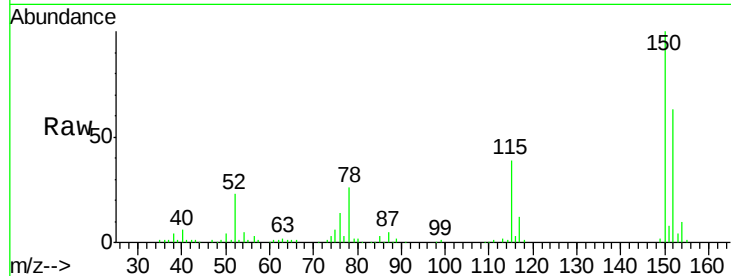
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Instrument :
BNA_F
ClientSampleId :
SB-47D

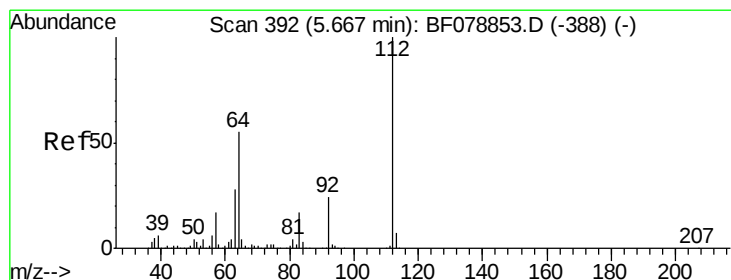
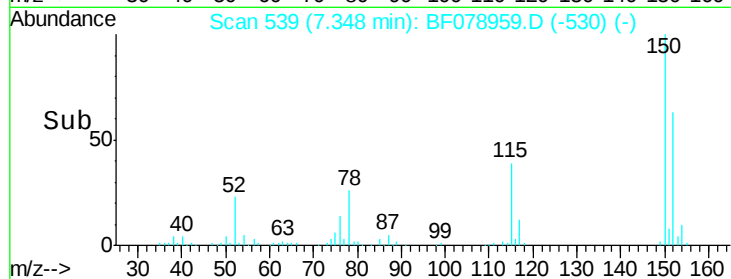
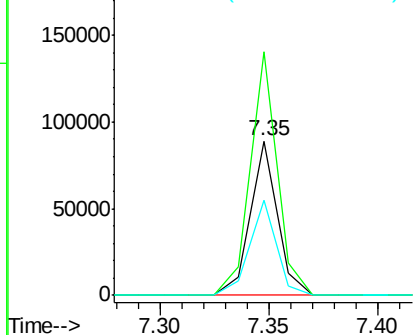
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.0	183.0
115	62.1	46.3	69.5

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM



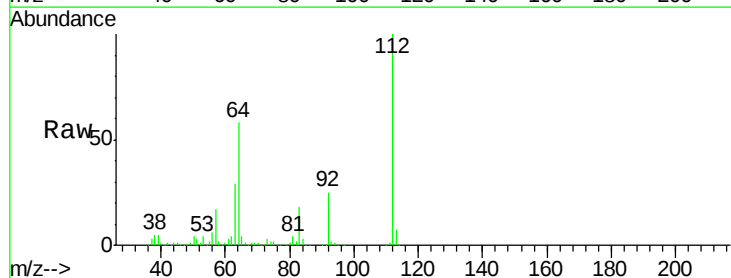
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



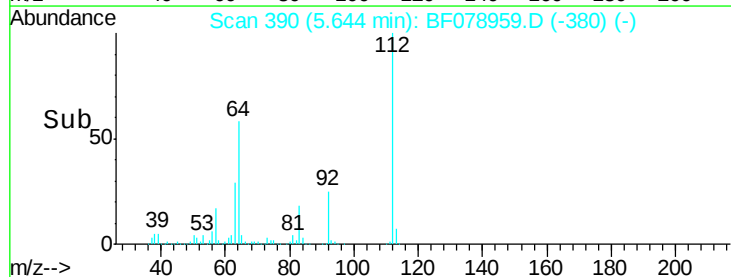
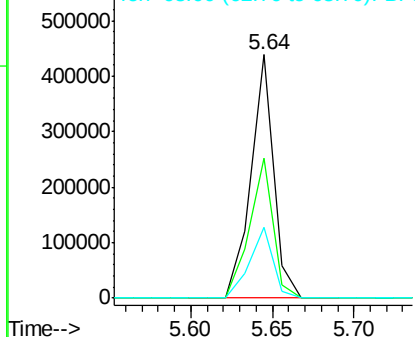
#5

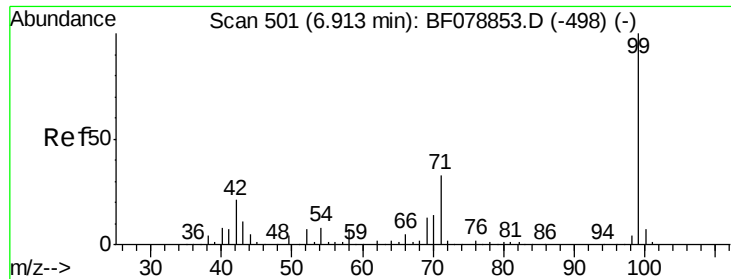
2-Fluorophenol
Concen: 95.20 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	53.5	80.3
63	29.1	27.5	41.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.05 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078959.D

Acq: 6 May 2015 14:39

Instrument :

BNA_F

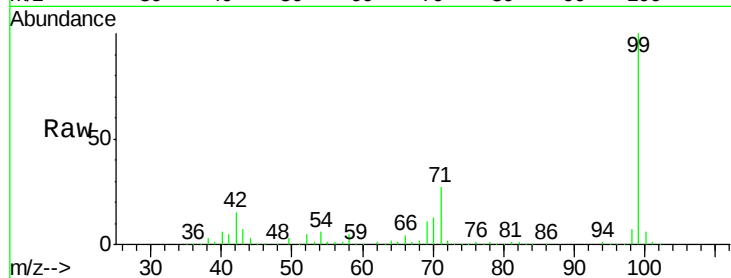
ClientSampled :

SB-47D

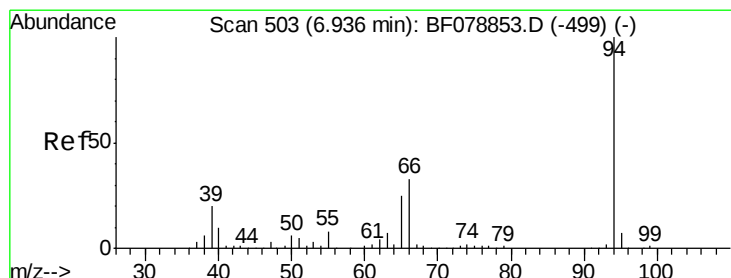
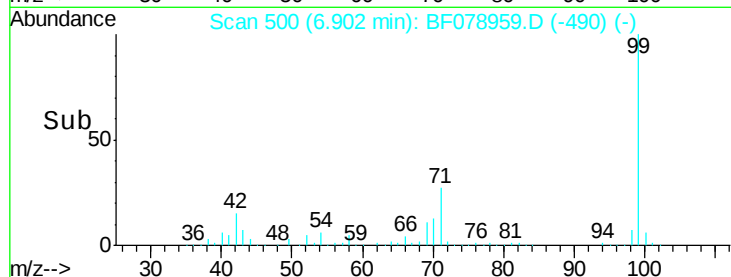
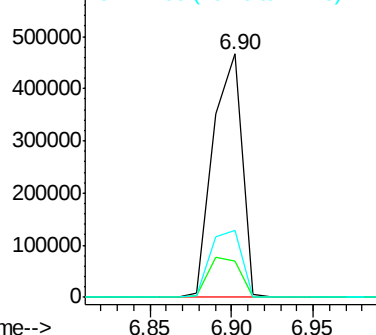
Tot Ion:	99	Resp:	574150
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.8	19.2
71	27.4	23.4	35.2

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.52 ng

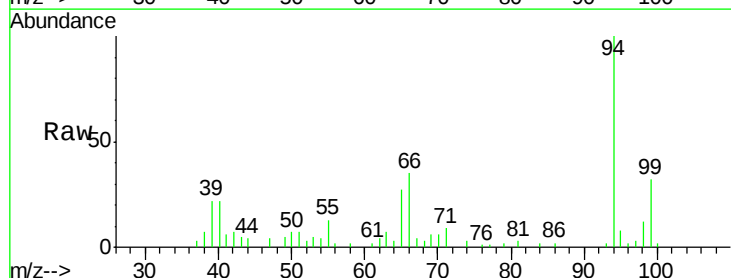
RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

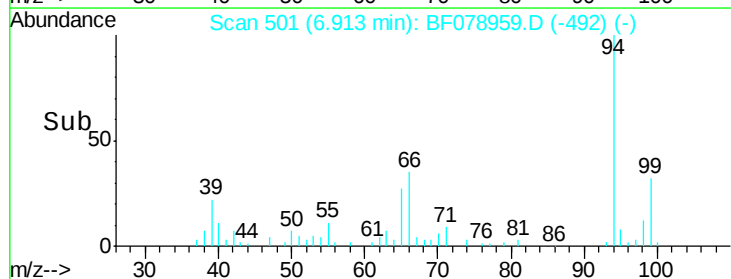
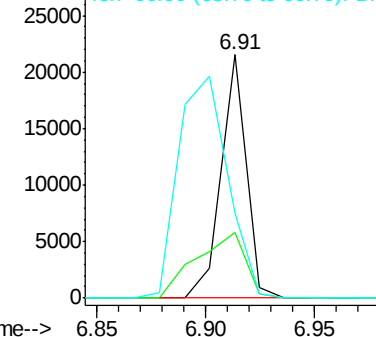
Lab File: BF078959.D

Acq: 6 May 2015 14:39

Tgt Ion:	94	Resp:	17271
Ion	Ratio	Lower	Upper
94	100		
65	27.0	8.5	48.5
66	34.7	16.0	56.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





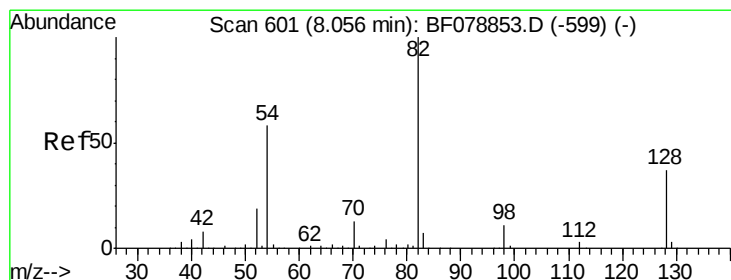
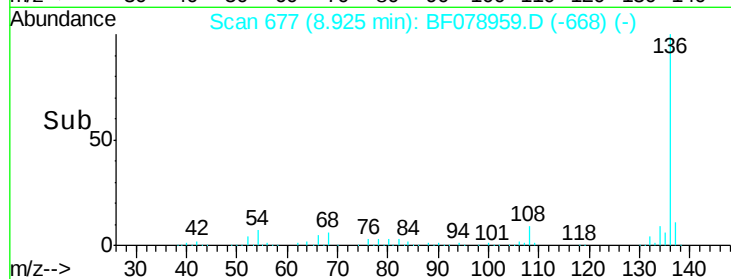
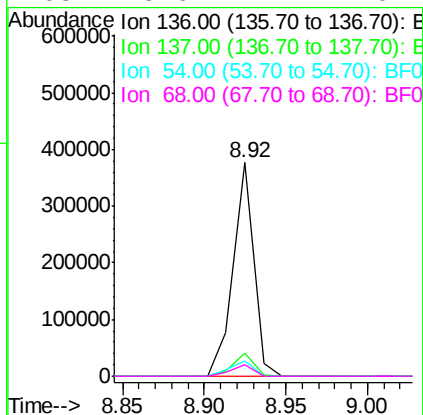
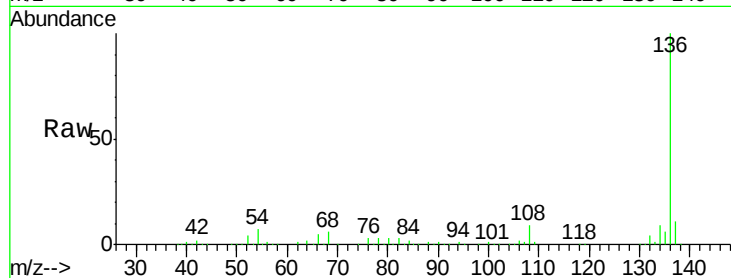
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Instrument :
BNA_F
ClientSampled :
SB-47D

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.7	13.1	
54	7.4	5.8	8.8	
68	5.6	4.2	6.4	

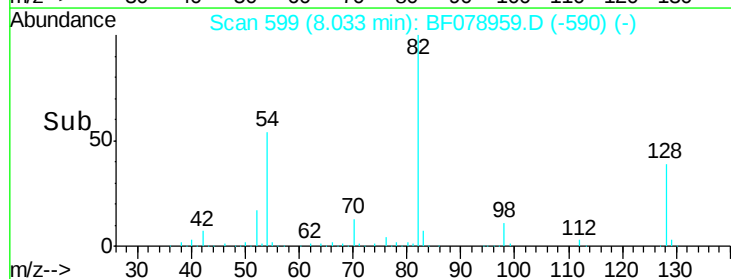
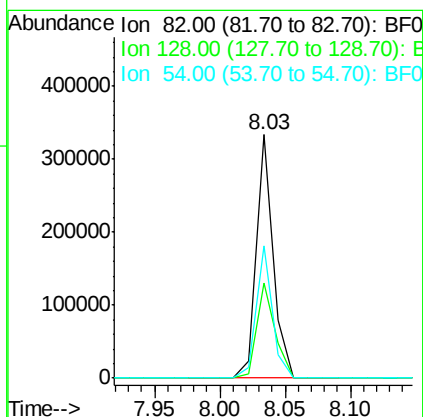
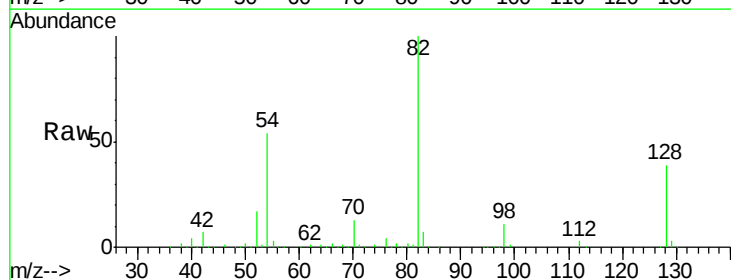
Manual Integrations
APPROVED

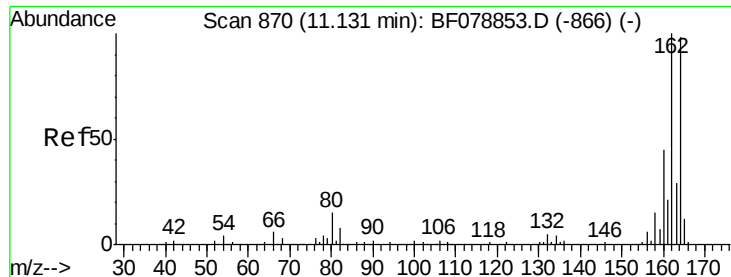
apatel
5/7/2015 1:57:06 PM



#23
Nitrobenzene-d5
Concen: 52.94 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.2	30.0	45.0	
54	54.1	46.4	69.6	





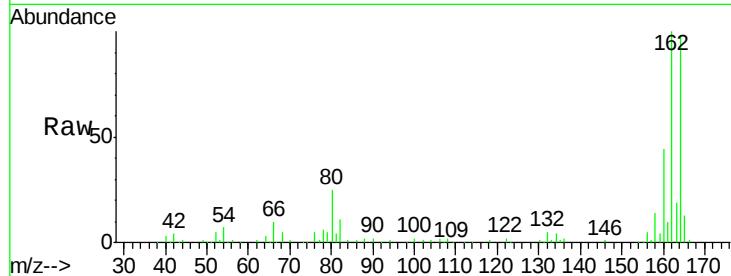
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Instrument :
BNA_F
ClientSampleId :
SB-47D

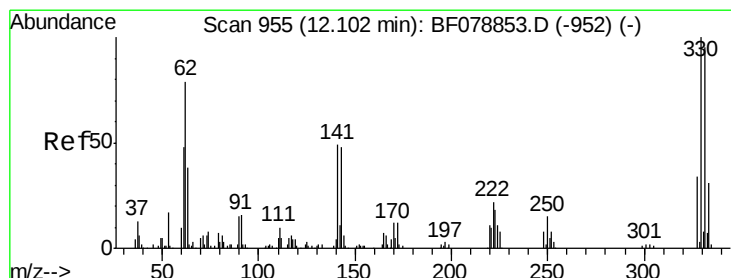
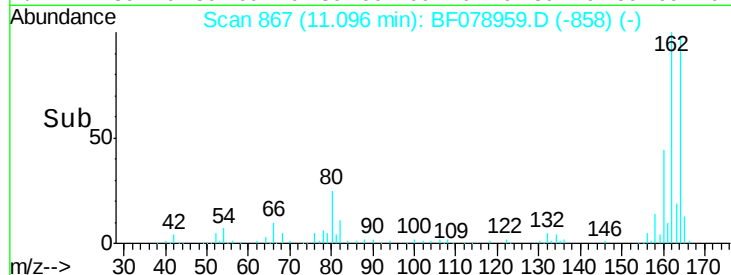
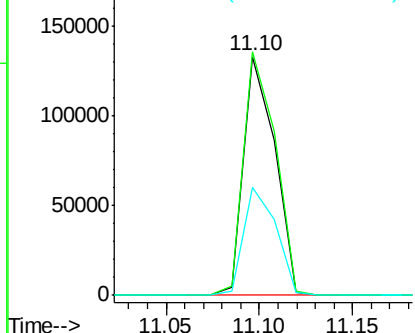
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.7	124.1	
160	45.3	35.8	53.8	

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM

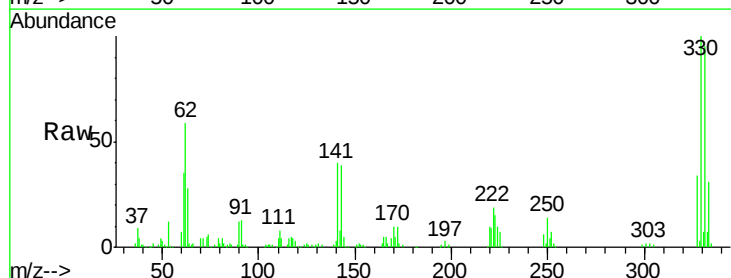


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

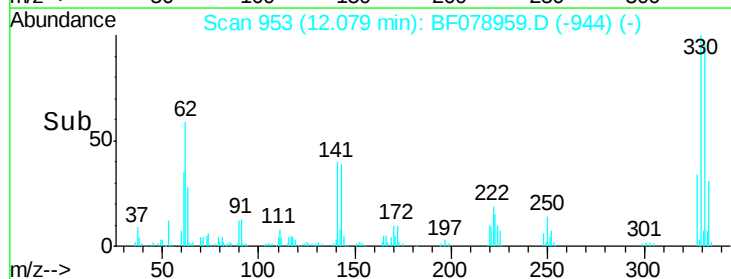
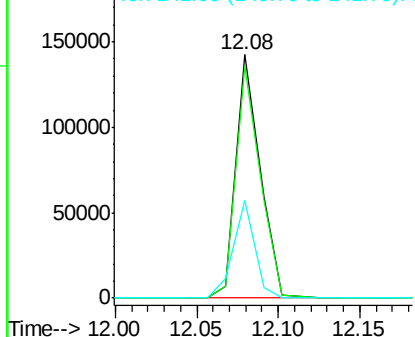


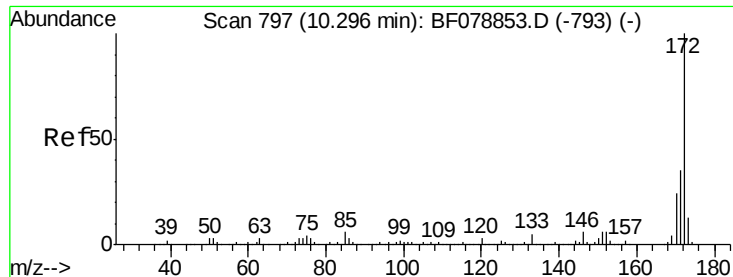
#41
2,4,6-Tribromophenol
Concen: 87.00 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	0.0	0.0#	
141	35.4	0.0	0.0#	



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





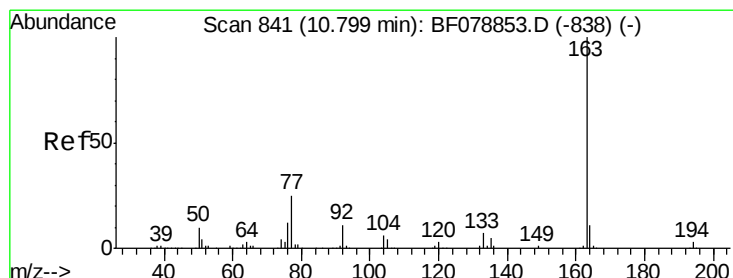
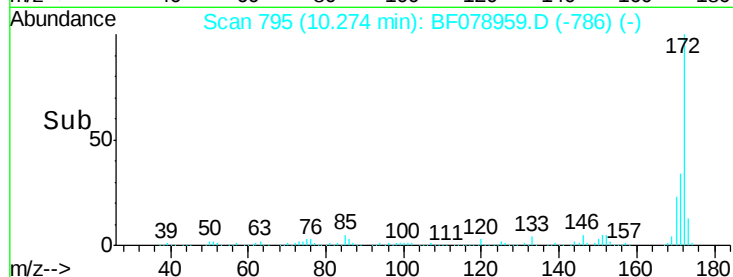
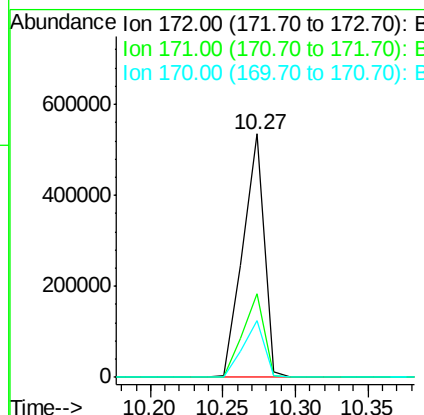
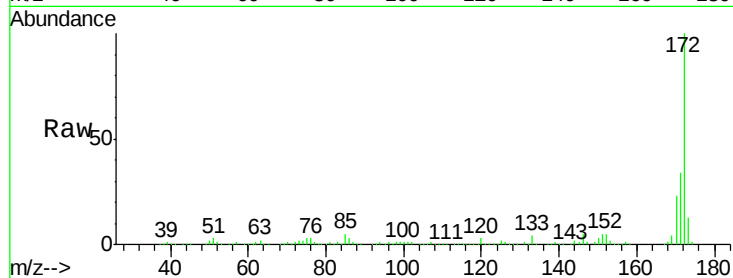
#44
2-Fluorobiphenyl
Concen: 49.37 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Instrument :
BNA_F
ClientSampleId :
SB-47D

Tot Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.5	27.9	41.9
170	23.4	19.4	29.0

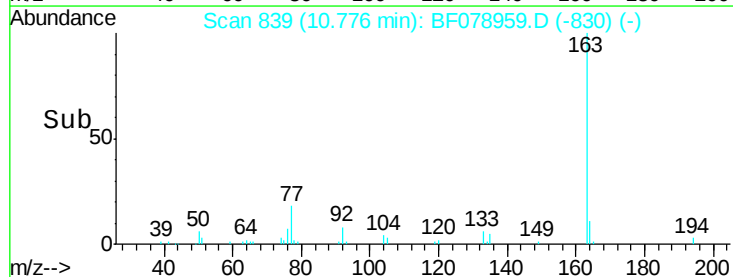
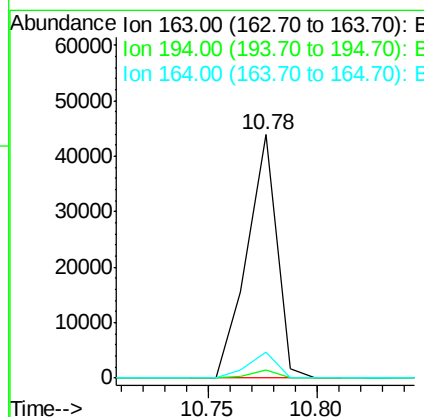
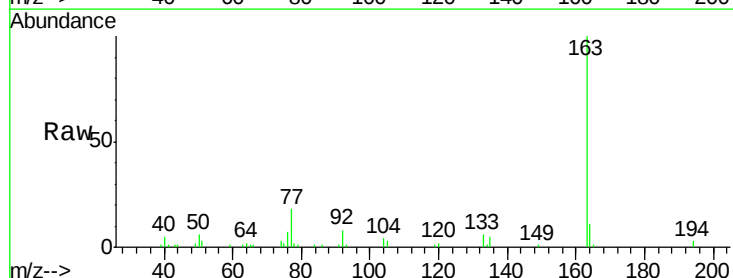
Manual Integrations
APPROVED

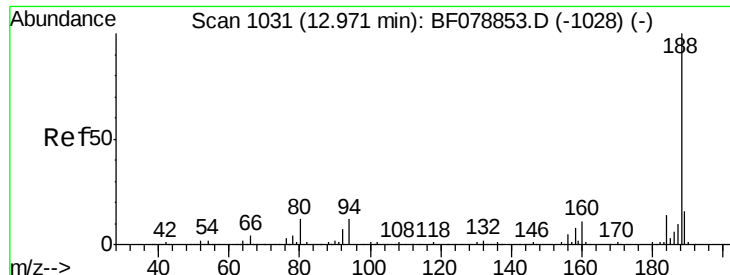
apatel
5/7/2015 1:57:06 PM



#49
Dimethylphthalate
Concen: 3.70 ng
RT: 10.78 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	2.6	4.0
164	10.6	8.1	12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF078959.D

Acq: 6 May 2015 14:39

Instrument :

BNA_F

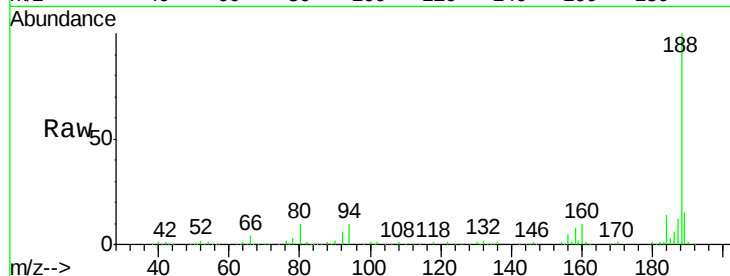
ClientSampleId :

SB-47D

Tot Ion:	188	Resp:	304011
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.2	12.2
80	10.3	8.9	13.3

Manual Integrations
APPROVED

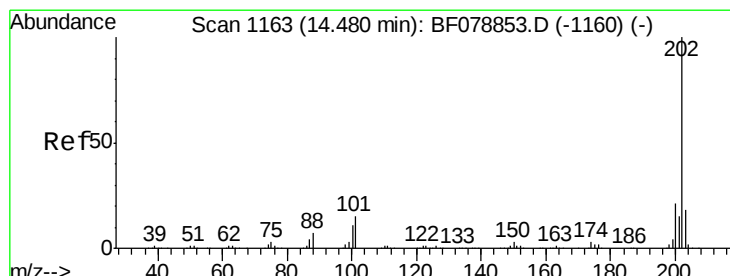
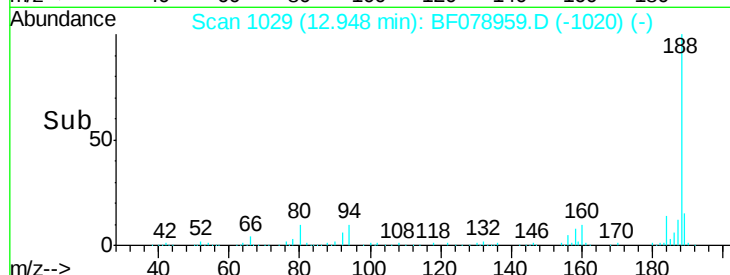
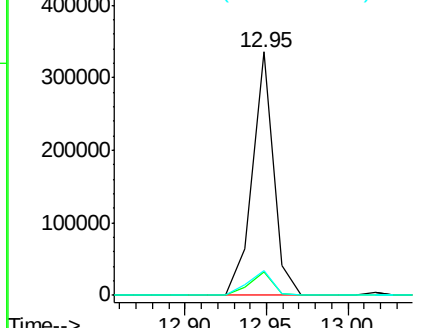
apatel
5/7/2015 1:57:06 PM



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



#74

Fluoranthene

Concen: 4.24 ng

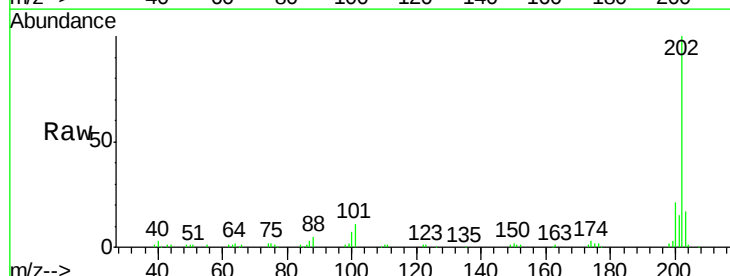
RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078959.D

Acq: 6 May 2015 14:39

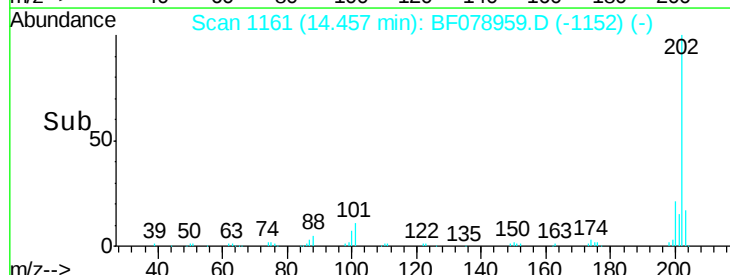
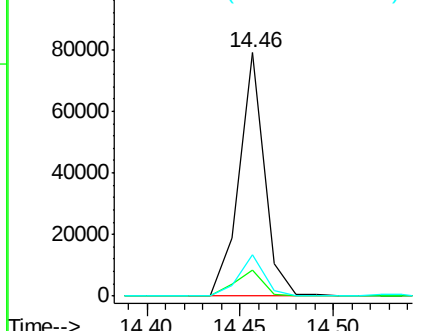
Tgt Ion:	202	Resp:	75144
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	34.6
203	16.9	0.0	38.4

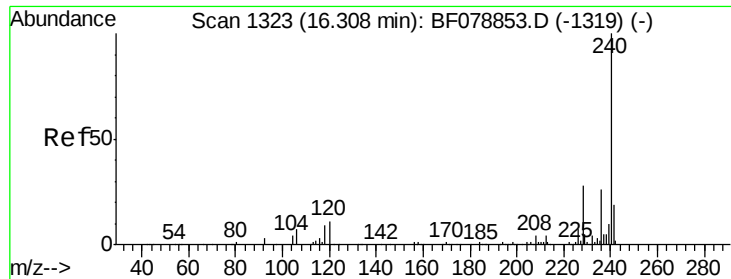


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.27 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BF078959.D

Acq: 6 May 2015 14:39

Instrument :

BNA_F

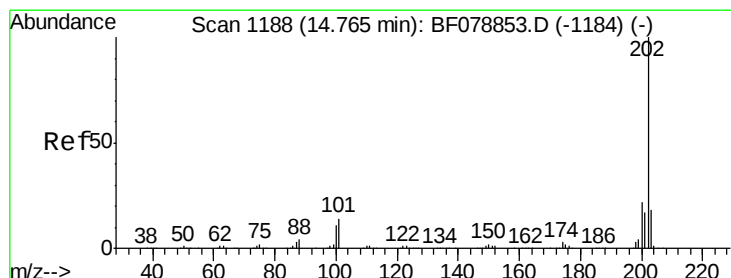
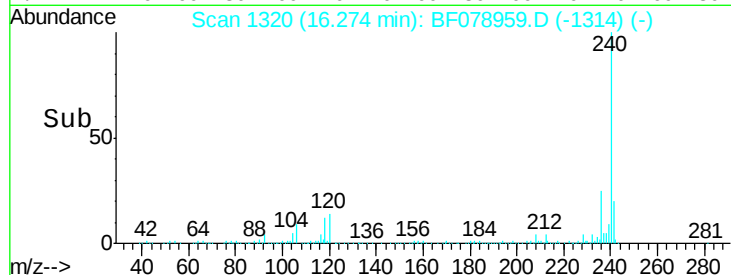
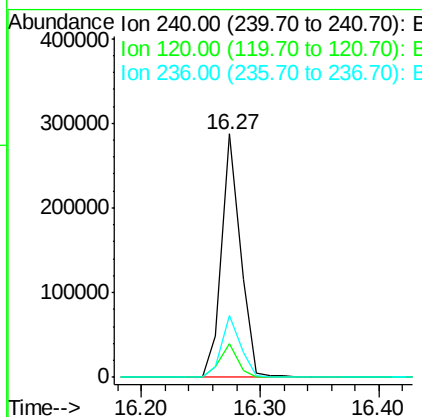
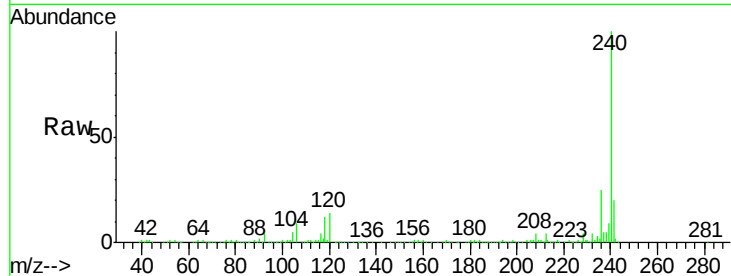
ClientSampled :

SB-47D

Tot Ion:	240	Resp:	316316
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.7	14.5
236	25.4	20.2	30.4

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM



#77

Pyrene

Concen: 3.88 ng

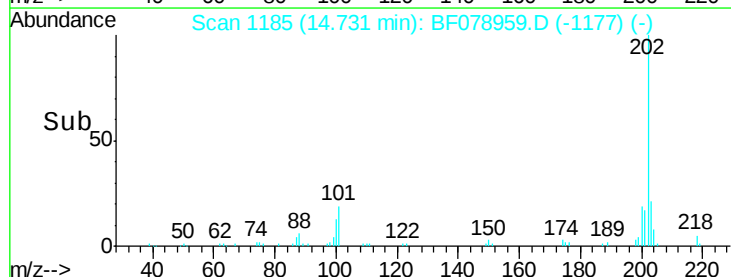
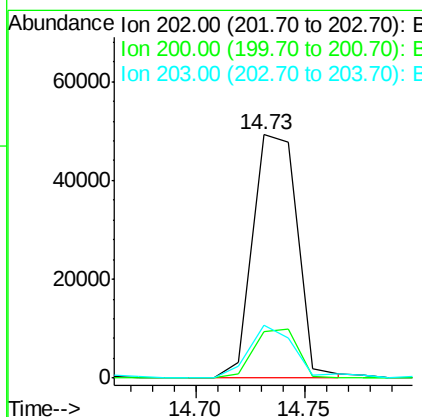
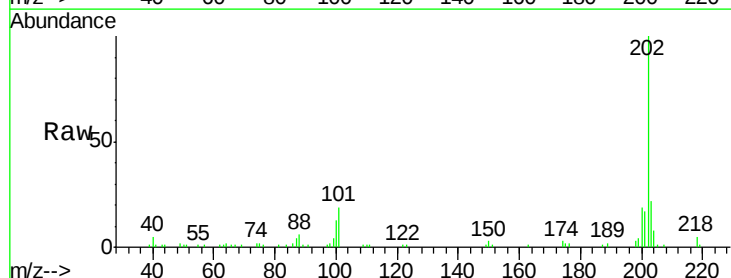
RT: 14.73 min Scan# 1185

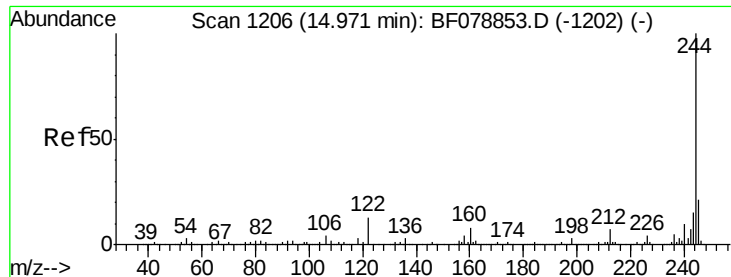
Delta R.T. -0.01 min

Lab File: BF078959.D

Acq: 6 May 2015 14:39

Tgt Ion:	202	Resp:	70685
Ion Ratio	Lower	Upper	
202	100		
200	19.2	17.5	26.3
203	22.0	13.9	20.9#





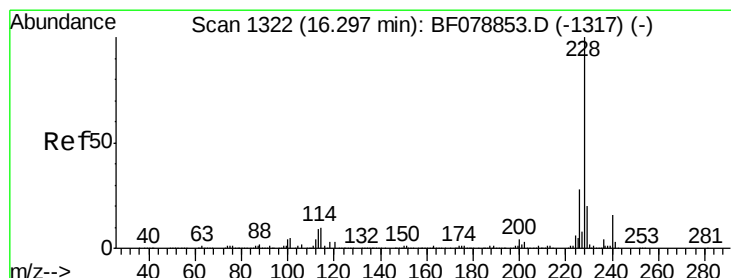
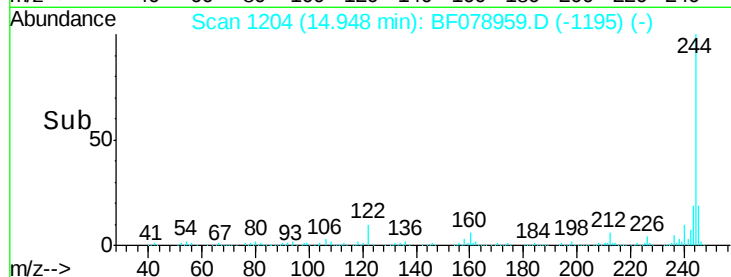
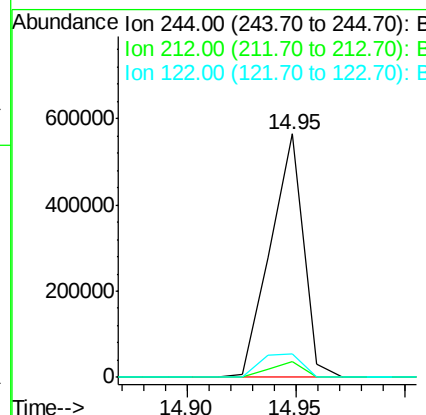
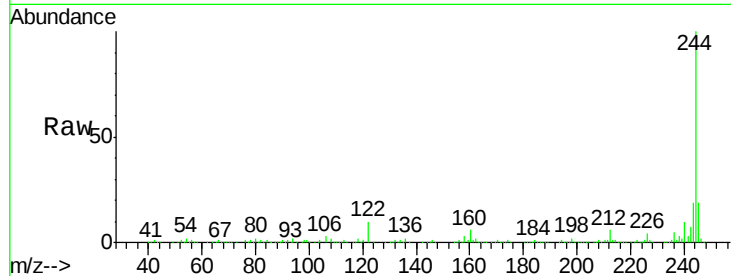
#78
 Terphenyl-d14
 Concen: 45.63 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF078959.D
 Acq: 6 May 2015 14:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-47D

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.6	8.4
122	9.5	10.3	15.5

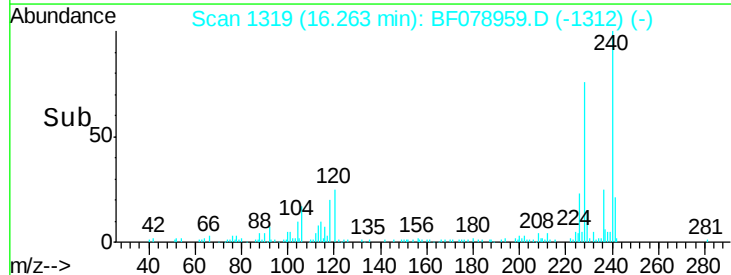
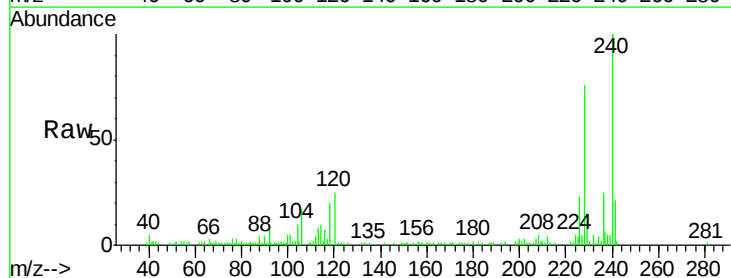
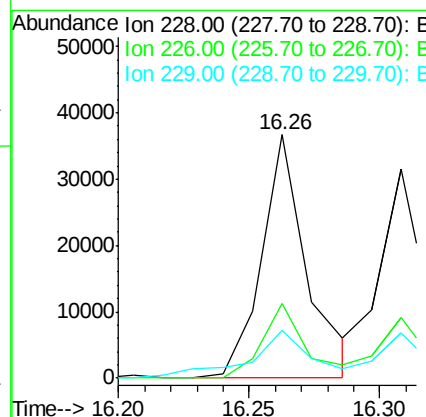
Manual Integrations
 APPROVED

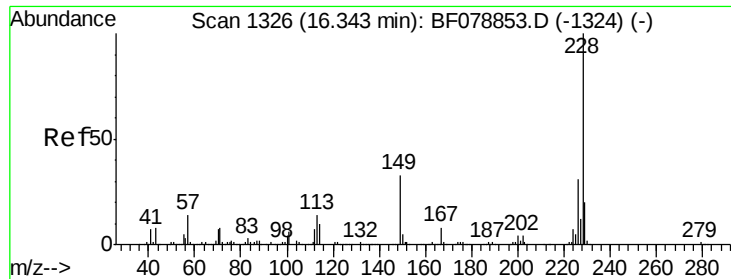
apatel
 5/7/2015 1:57:06 PM



#80
 Benzo(a)anthracene
 Concen: 2.57 ng
 RT: 16.26 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF078959.D
 Acq: 6 May 2015 14:39

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.5	22.6	33.8
229	19.7	15.9	23.9





#82

Chrysene

Concen: 2.18 ng

RT: 16.31 min Scan# 1323

Delta R.T. -0.03 min

Lab File: BF078959.D

Acq: 6 May 2015 14:39

Instrument :

BNA_F

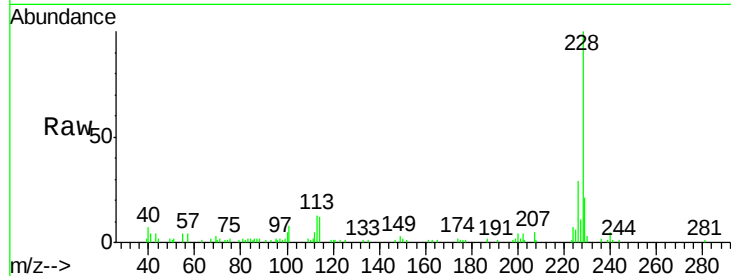
ClientSampled :

SB-47D

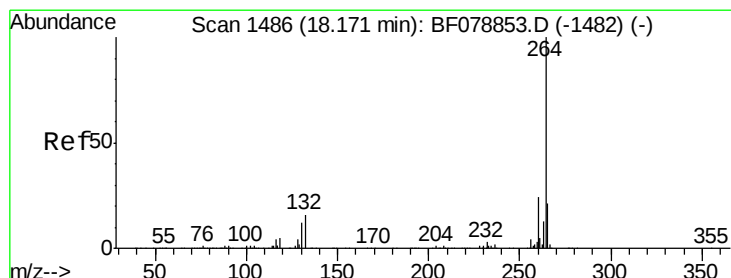
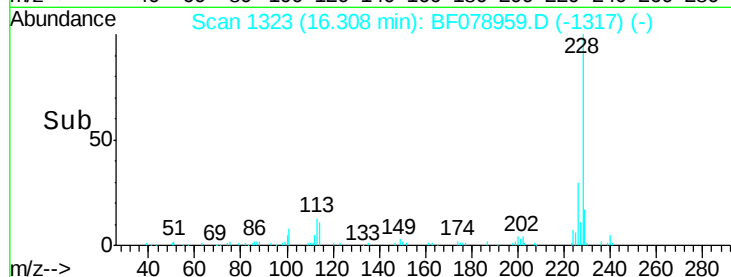
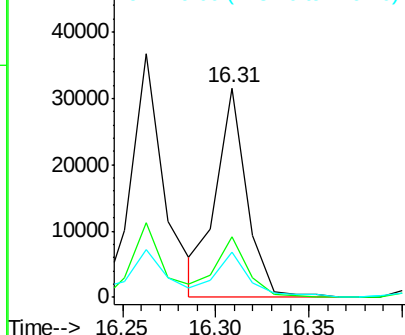
Tot Ion:	228	Resp:	36248
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.9	37.3
229	21.4	16.0	24.0

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM



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

Perylene-d12

Concen: 20.00 ng

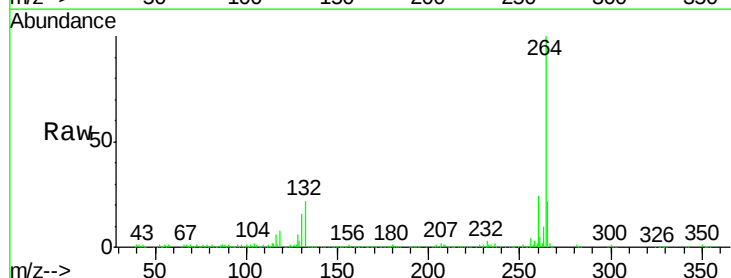
RT: 18.14 min Scan# 1483

Delta R.T. -0.09 min

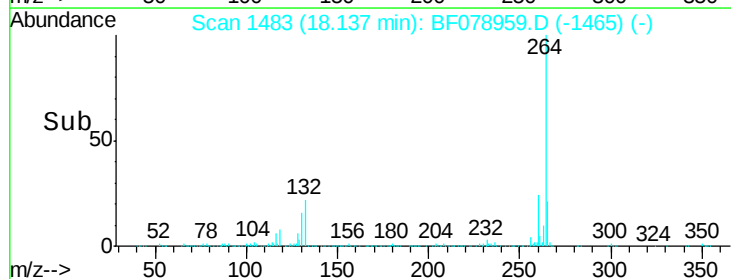
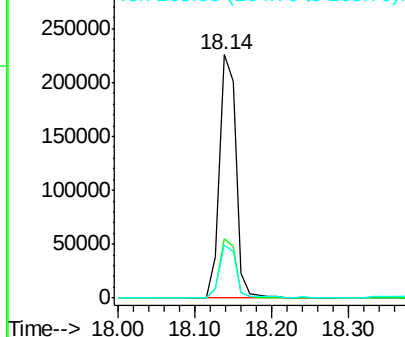
Lab File: BF078959.D

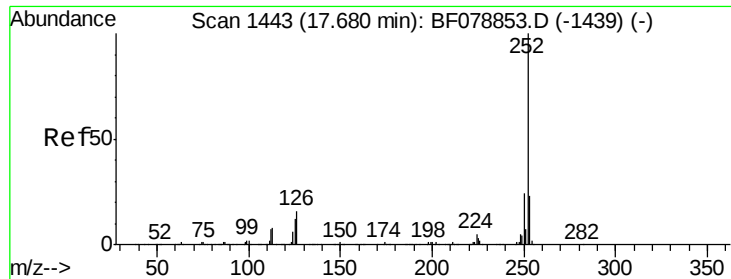
Acq: 6 May 2015 14:39

Tgt Ion:	264	Resp:	344281
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.2
265	21.6	18.3	27.5



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





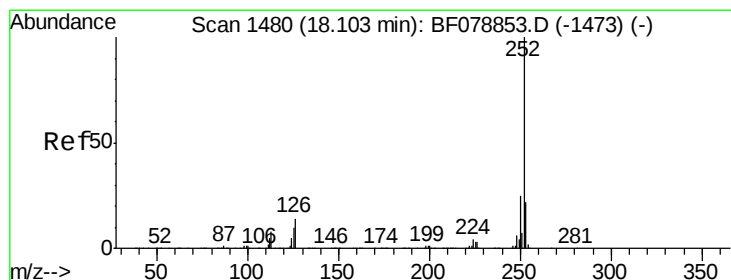
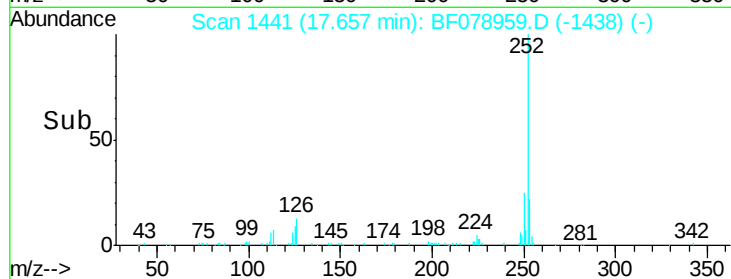
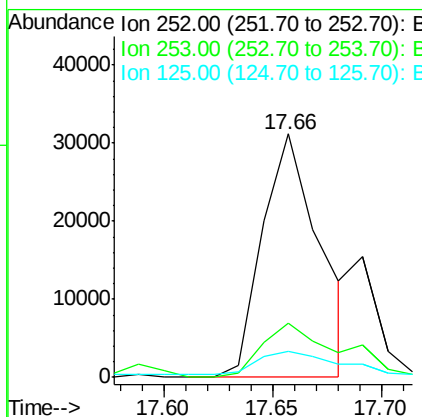
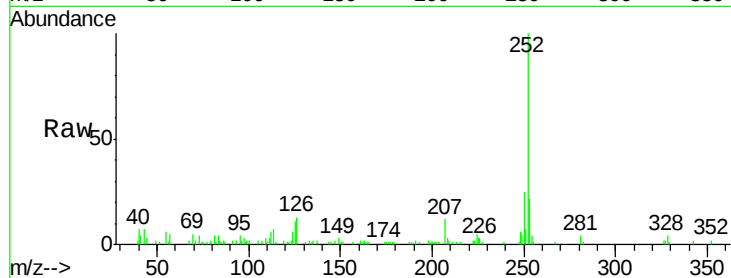
#87
Benzo(b)fluoranthene
Concen: 3.06 ng
RT: 17.66 min Scan# 1441
Delta R.T. -0.07 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Instrument :
BNA_F
ClientSampleId :
SB-47D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.6	9.5	14.3

Manual Integrations
APPROVED

apatel
5/7/2015 1:57:06 PM



#89
Benzo(a)pyrene
Concen: 2.33 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.08 min
Lab File: BF078959.D
Acq: 6 May 2015 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	13.0	7.0	10.6

