

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083653.D
 Acq On : 9 Dec 2015 22:01
 Operator : UM/IZ
 Sample : G4585-02DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:10 PM

Quant Time: Dec 10 03:31:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	167980	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	656787	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	296960	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	477275	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	394605	20.00	ng	-0.02
86) Perylene-d12	18.61	264	327451	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	263072	23.75	ng	-0.01
7) Phenol-d6	5.25	99	370363	25.03	ng	-0.02
23) Nitrobenzene-d5	6.51	82	237459	16.87	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	45444	17.18	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	395407	18.74	ng	-0.02
78) Terphenyl-d14	15.38	244	271156	16.17	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	10.14	152	71639	2.23	ng	99
49) Dimethylphthalate	10.01	163	92693	3.92	ng	98
70) Phenanthrene	12.80	178	306243	11.17	ng	99
74) Fluoranthene	14.73	202	495973	17.68	ng	99
77) Pyrene	15.08	202	651128	22.92	ng	99
80) Benzo(a)anthracene	16.96	228	240014	10.39	ng	97
82) Chrysene	17.01	228	244472	10.56	ng	99
85) Indeno(1,2,3-cd)pyrene	19.87	276	117437	7.51	ng	# 100
87) Benzo(b)fluoranthene	18.24	252	265112m	14.22	ng	
88) Benzo(k)fluoranthene	18.27	252	89687m	4.37	ng	
89) Benzo(a)pyrene	18.57	252	148348m	8.15	ng	
90) Dibenzo(a,h)anthracene	19.87	278	32222m	2.32	ng	
91) Benzo(a,h,i)perylene	20.23	276	120768	8.90	ng	# 95

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

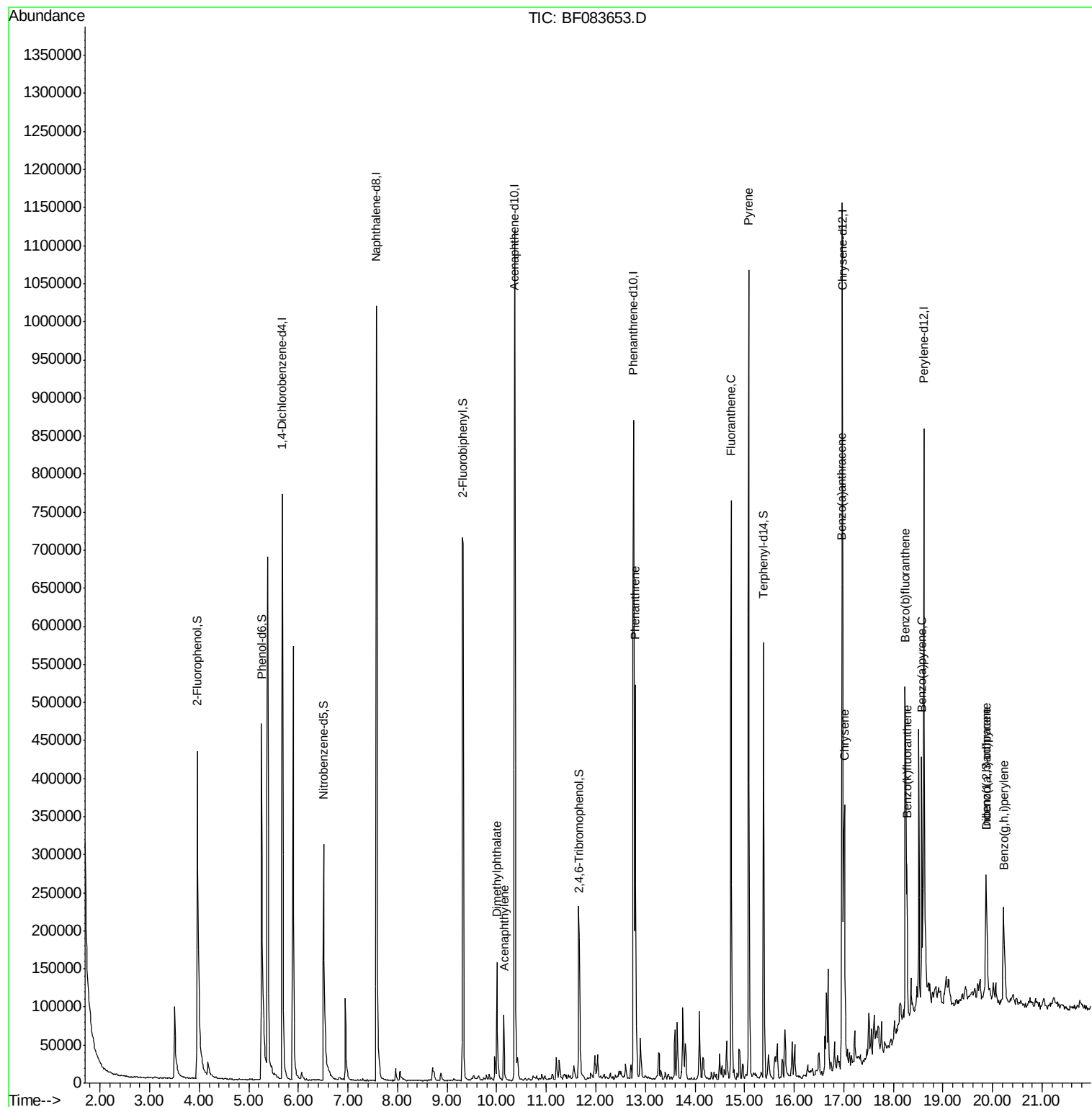
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083653.D
Acq On : 9 Dec 2015 22:01
Operator : UM/IZ
Sample : G4585-02DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

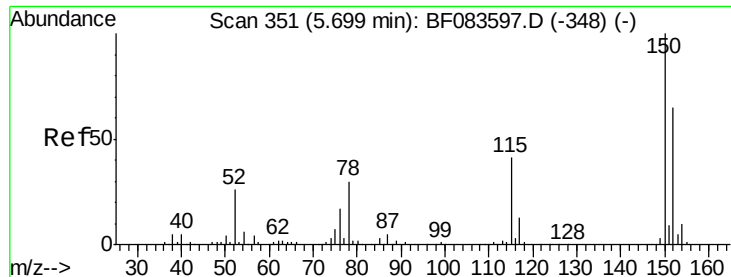
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:10 PM

Quant Time: Dec 10 03:31:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration





#1

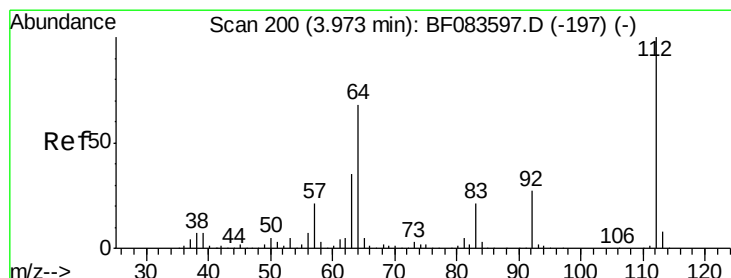
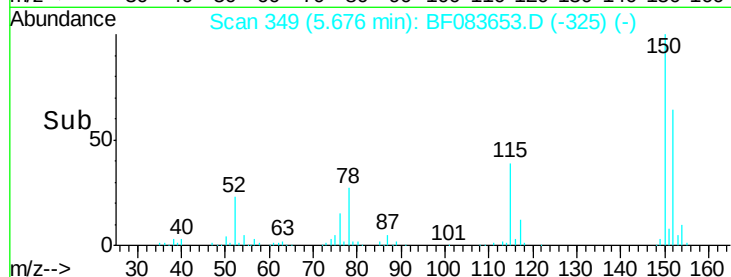
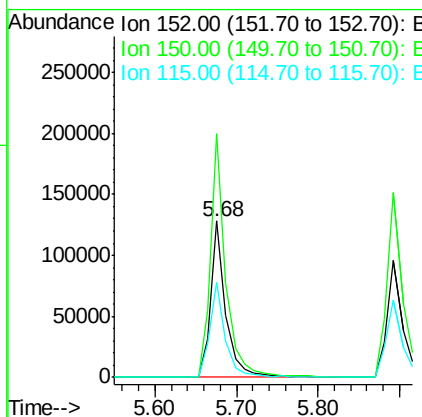
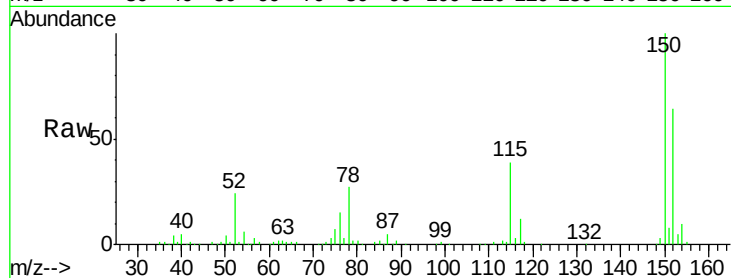
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.5	189.7
115	60.7	52.3	78.5

Manual Integrations
APPROVED

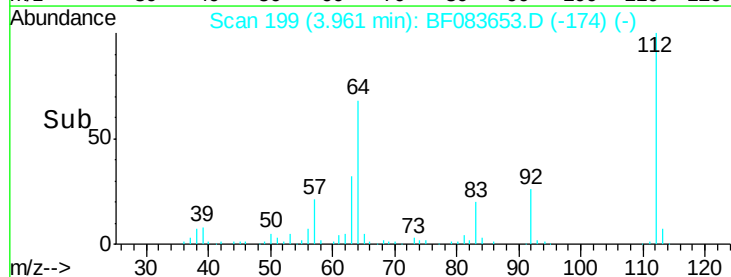
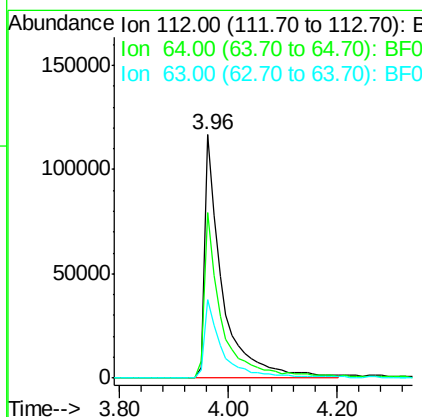
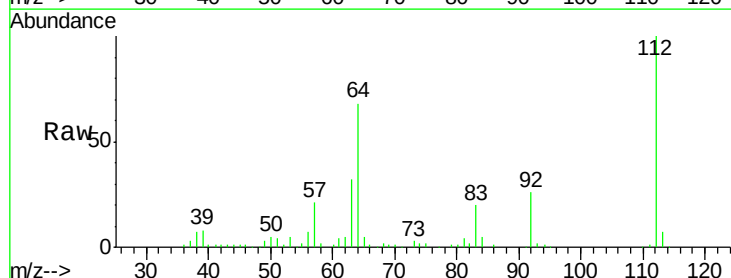
MMdadoda
12/10/2015 5:50:10 PM

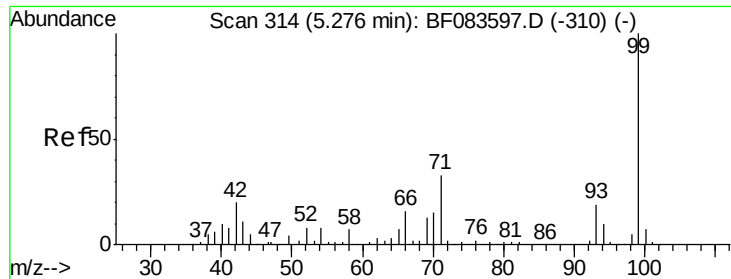


#5

2-Fluorophenol
Concen: 23.75 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	50.5	75.7
63	32.0	25.8	38.6





#7

Phenol-d6

Concen: 25.03 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

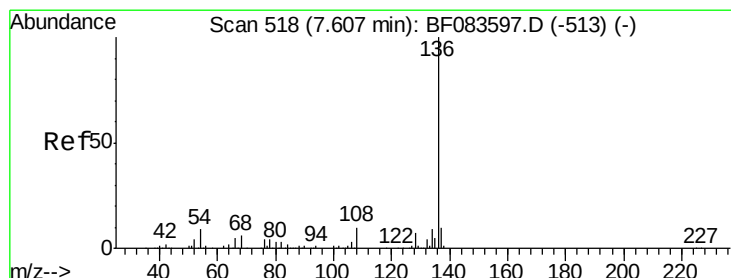
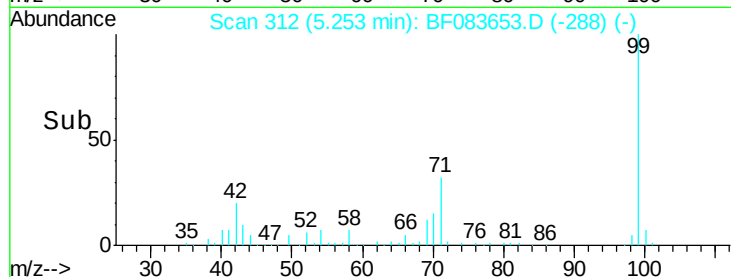
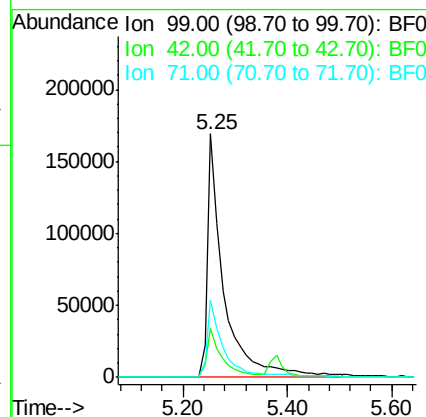
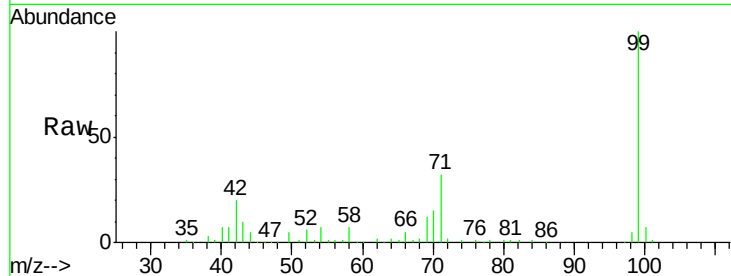
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion:	99	Resp:	370363
Ion Ratio	Lower	Upper	
99	100		
42	19.9	17.3	25.9
71	31.9	26.6	40.0

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:10 PM



#21

Naphthalene-d8

Concen: 20.00 ng

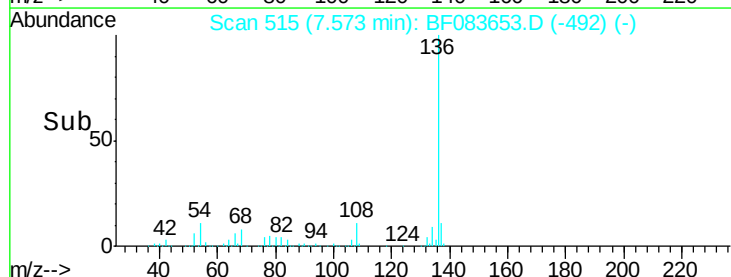
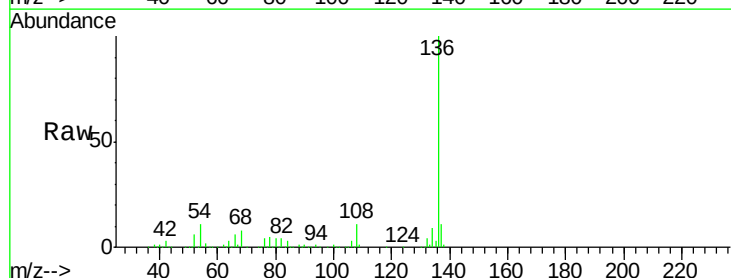
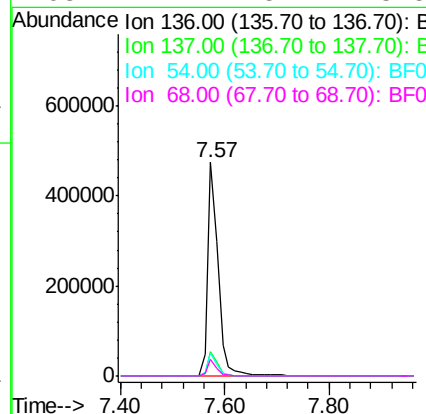
RT: 7.57 min Scan# 515

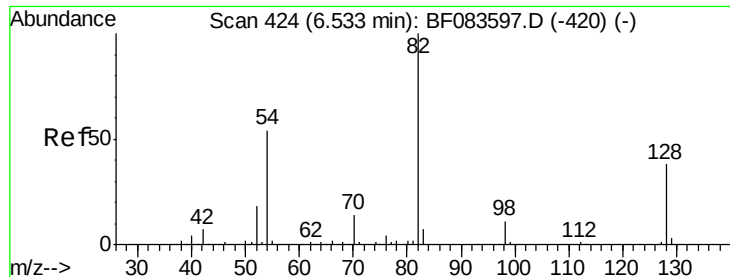
Delta R.T. -0.03 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Tgt Ion:	136	Resp:	656787
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	10.6	7.8	11.6
68	7.7	5.7	8.5





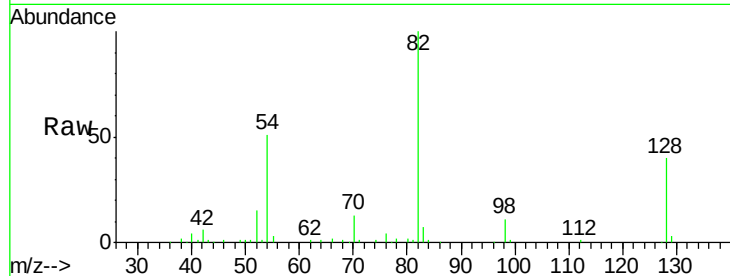
#23
 Nitrobenzene-d5
 Concen: 16.87 ng
 RT: 6.51 min Scan# 422
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

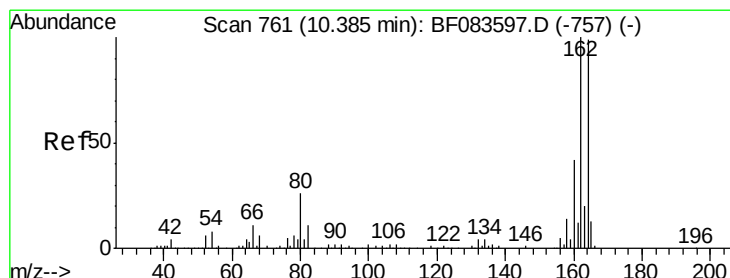
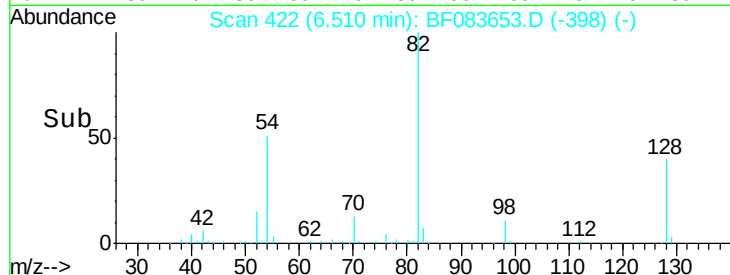
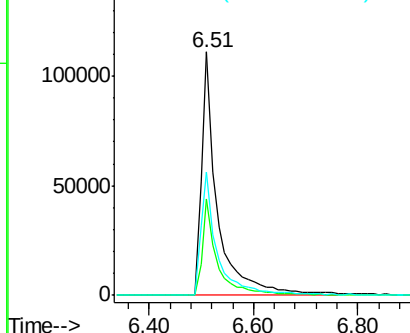
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.7	46.1
54	50.6	42.5	63.7

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:10 PM

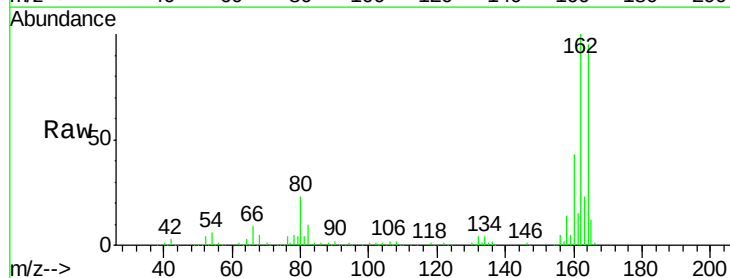


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

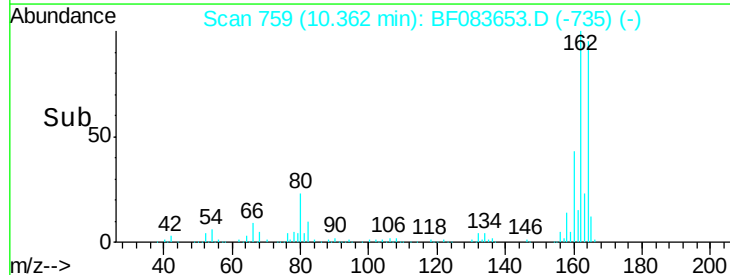
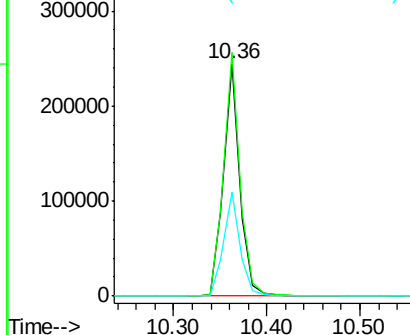


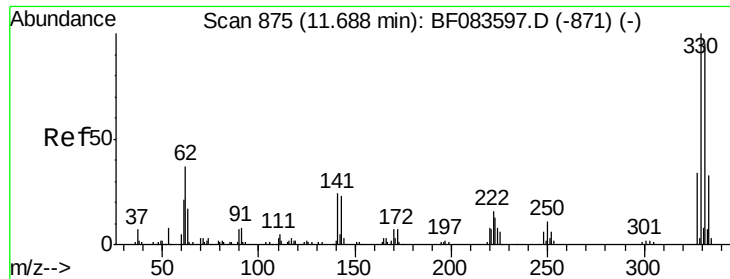
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	78.8	118.2
160	44.6	33.4	50.2



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





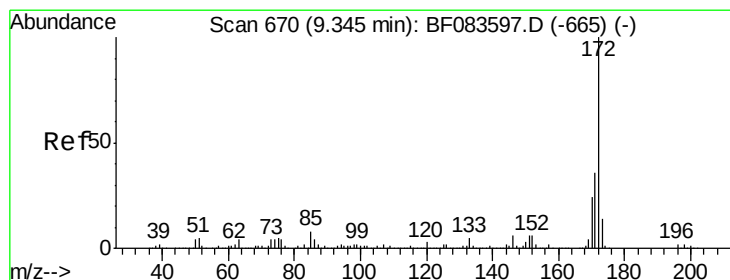
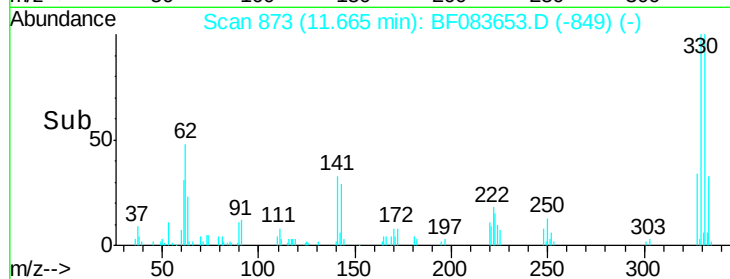
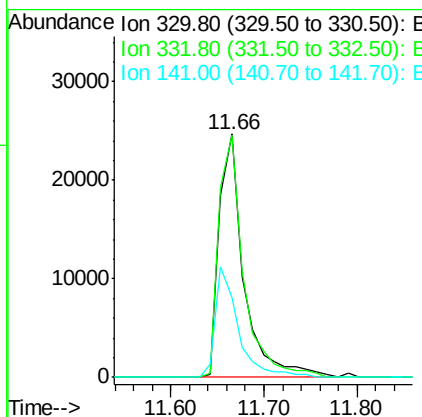
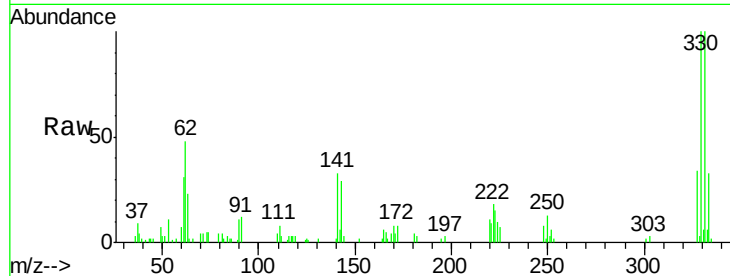
#41
 2,4,6-Tribromophenol
 Concen: 17.18 ng
 RT: 11.66 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	0.0	0.0#
141	42.0	0.0	0.0#

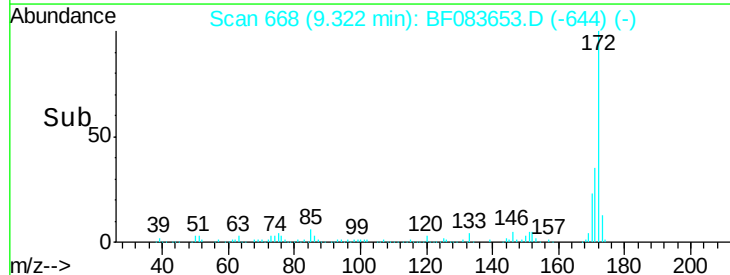
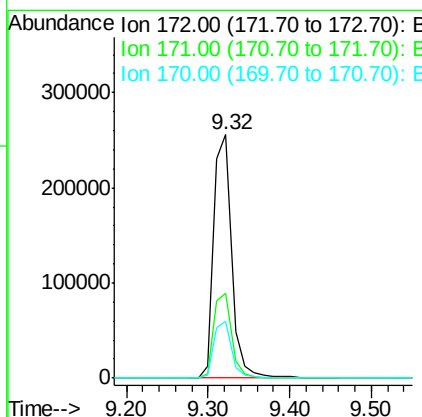
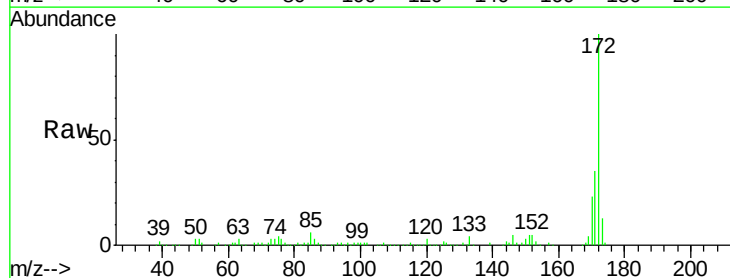
Manual Integrations
 APPROVED

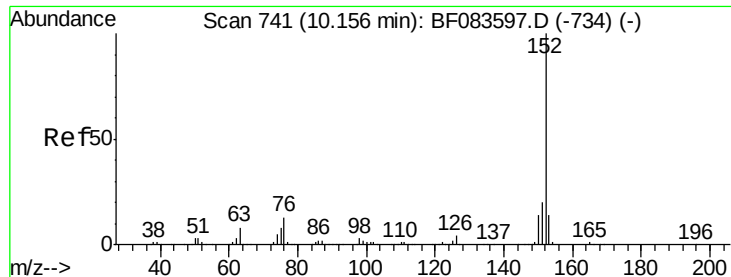
MMdadoda
 12/10/2015 5:50:10 PM



#44
 2-Fluorobiphenyl
 Concen: 18.74 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.1	19.4	29.0





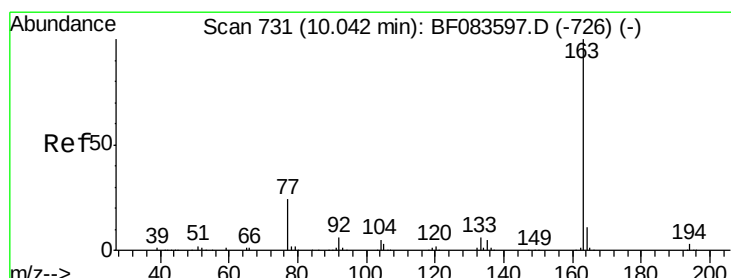
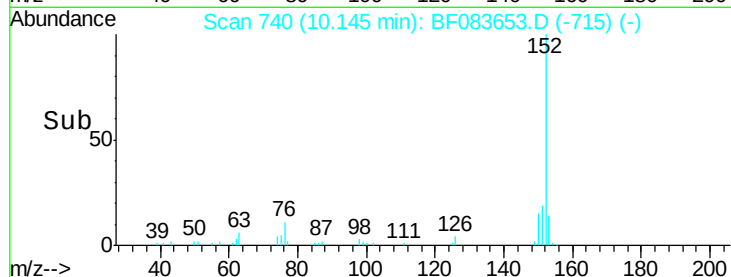
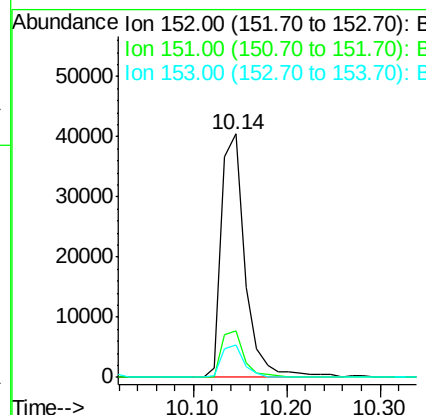
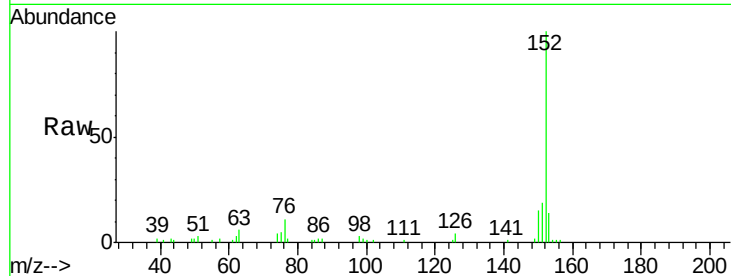
#48
Acenaphthylene
Concen: 2.23 ng
RT: 10.14 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	13.5	10.8	16.2

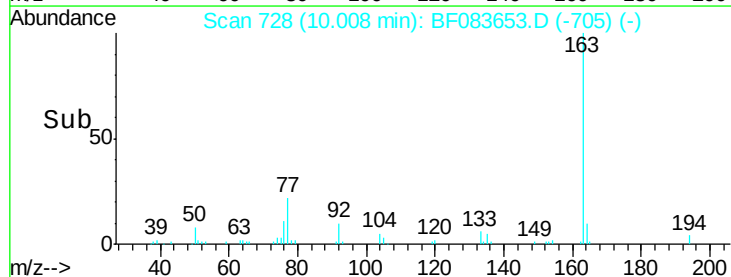
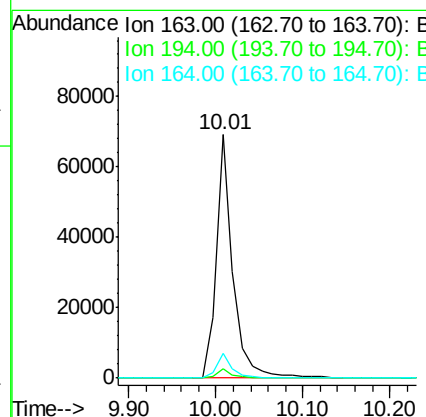
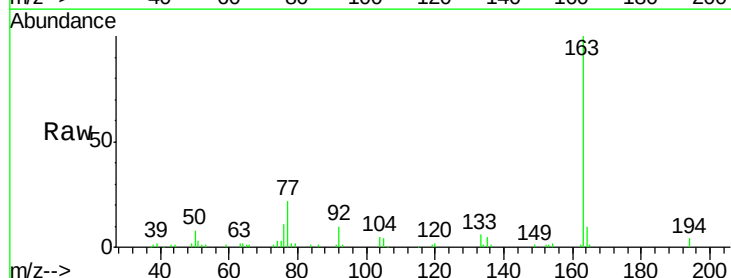
Manual Integrations
APPROVED

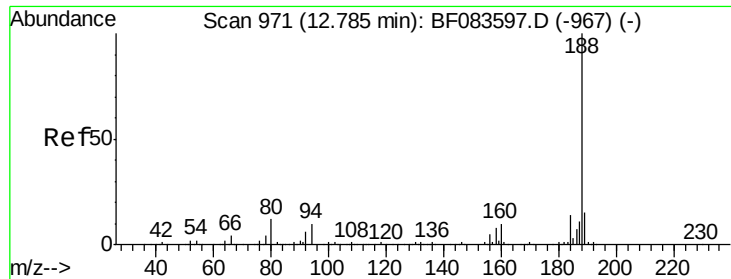
MMdadoda
12/10/2015 5:50:10 PM



#49
Dimethylphthalate
Concen: 3.92 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	10.0	8.6	13.0





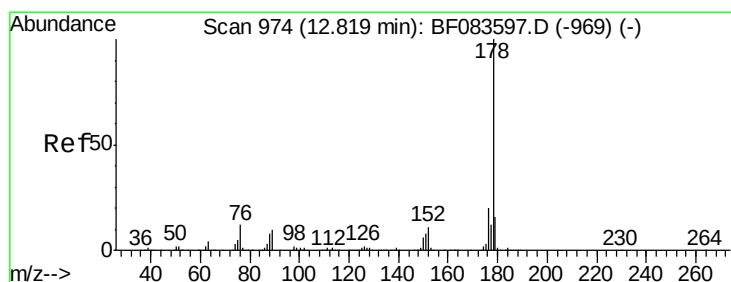
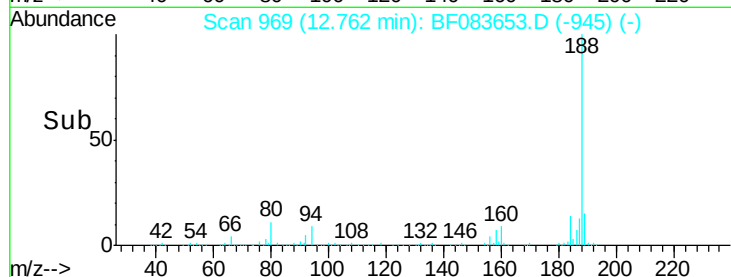
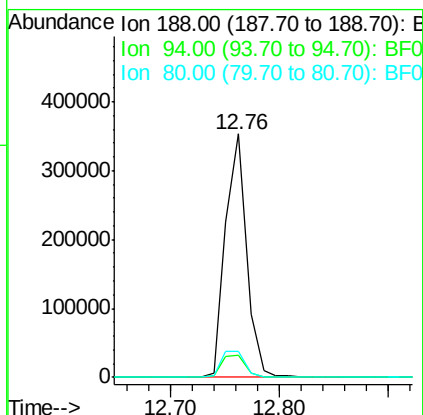
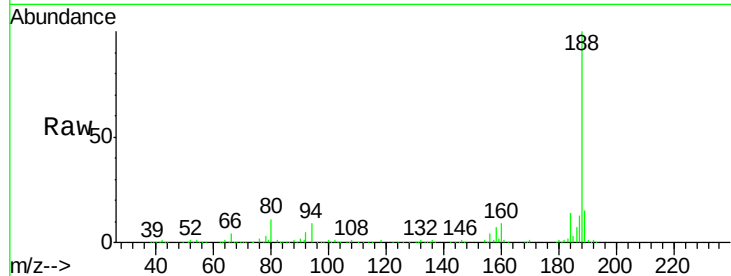
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	477275		
94	9.3		9.4	14.2#
80	10.5		10.6	16.0#

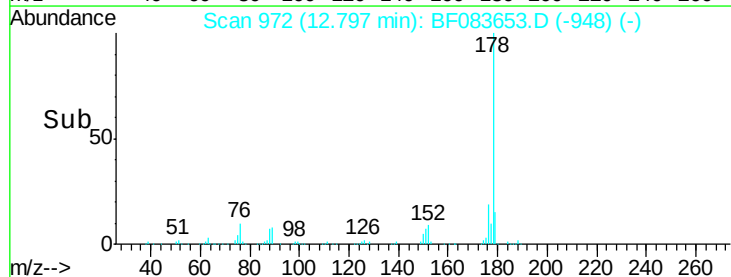
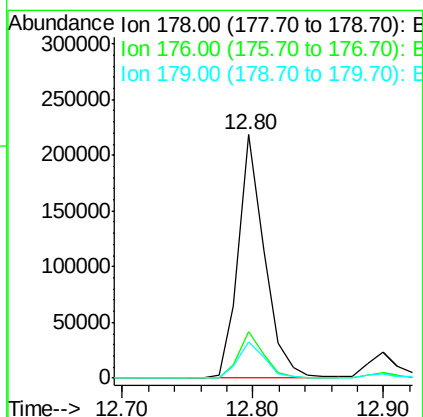
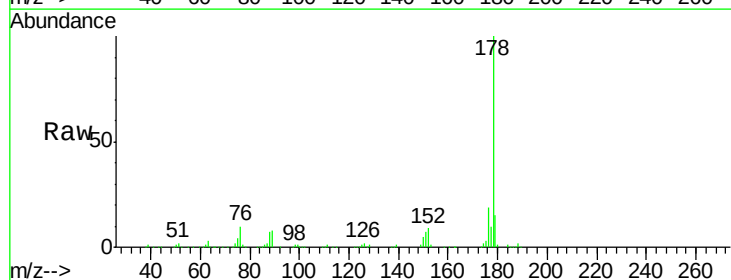
Manual Integrations
APPROVED

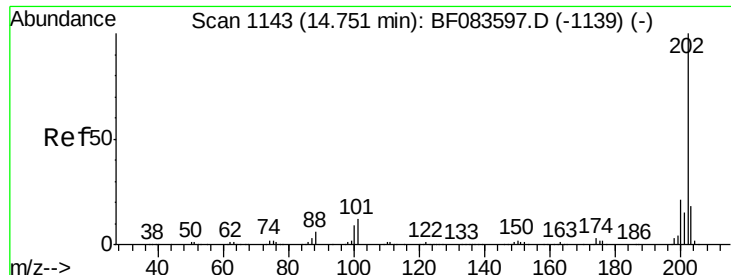
MMdadoda
12/10/2015 5:50:10 PM



#70
Phenanthrene
Concen: 11.17 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	306243		
176	19.0		15.7	23.5
179	15.1		12.2	18.4





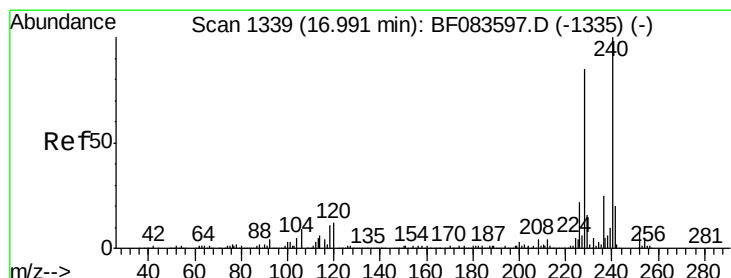
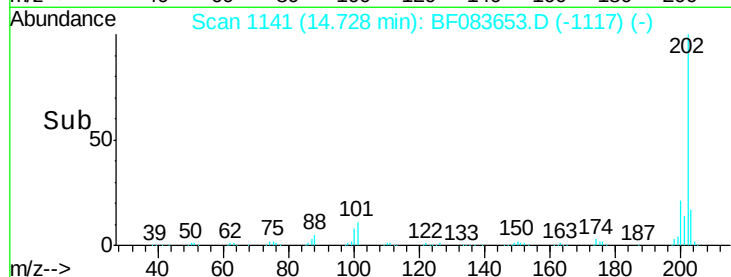
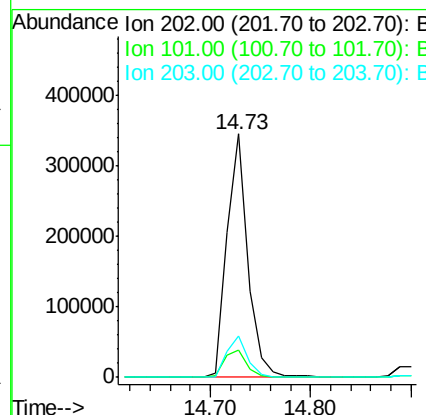
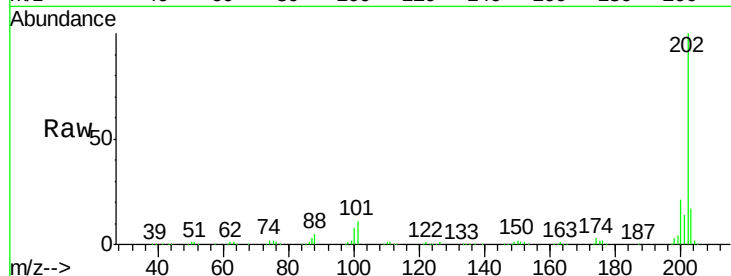
#74
 Fluoranthene
 Concen: 17.68 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.0	0.0	37.6

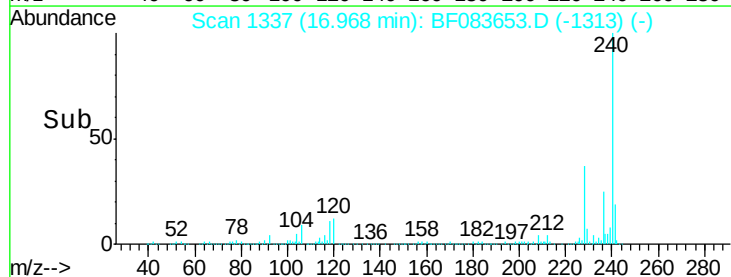
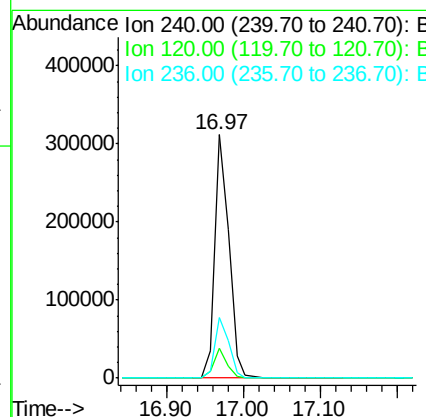
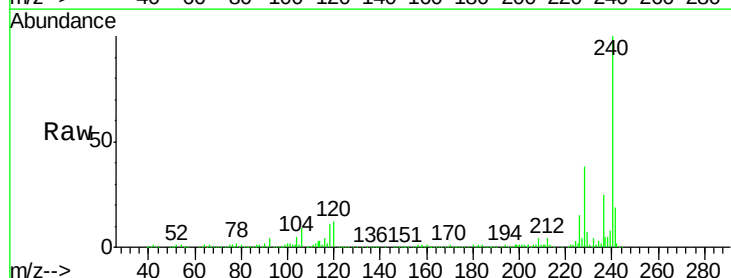
Manual Integrations
 APPROVED

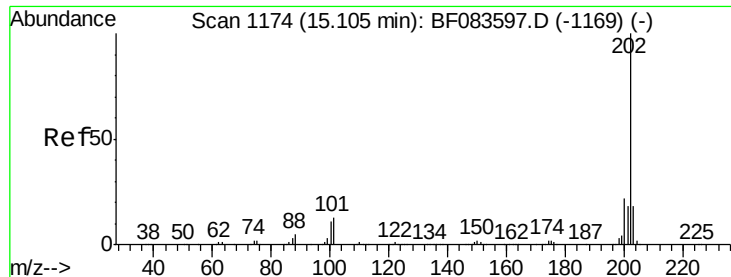
MMdadoda
 12/10/2015 5:50:10 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	8.1	12.1#
236	25.1	20.8	31.2





#77

Pvrene

Concen: 22.92 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

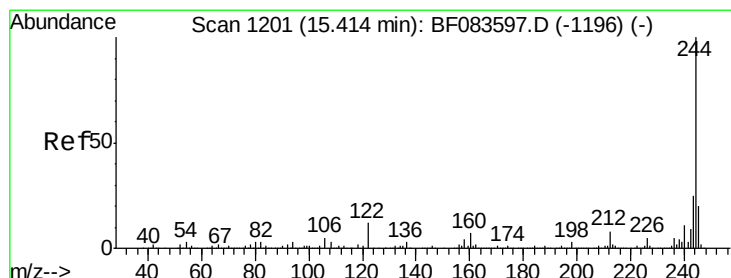
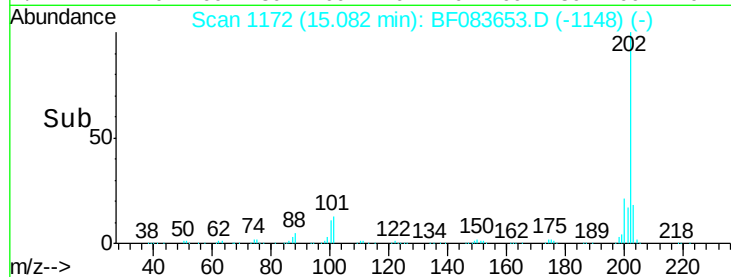
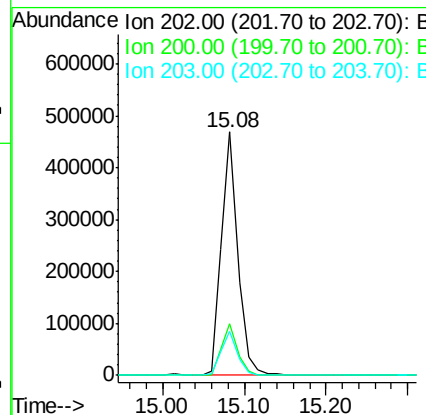
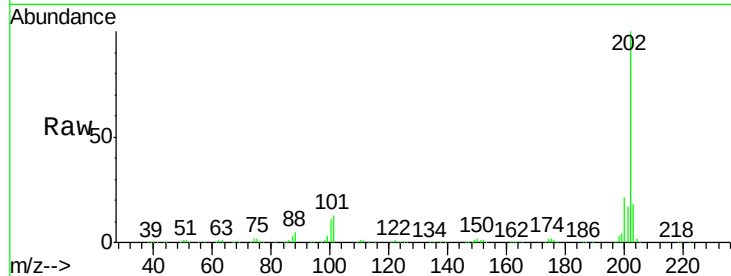
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	18.2	14.3	21.5

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:10 PM



#78

Terphenyl-d14

Concen: 16.17 ng

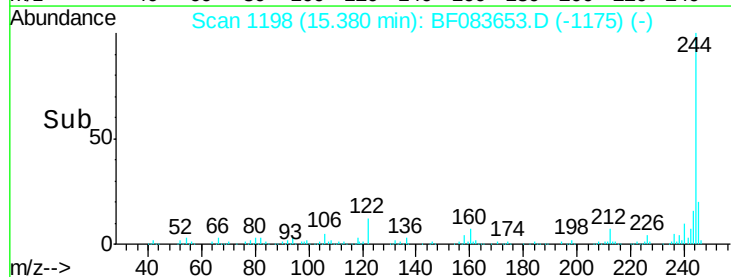
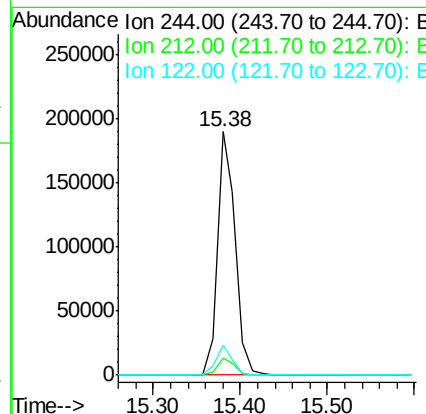
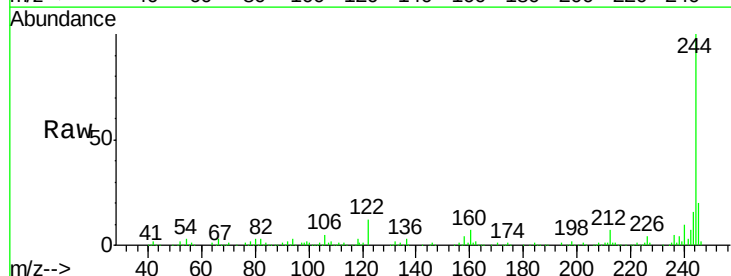
RT: 15.38 min Scan# 1198

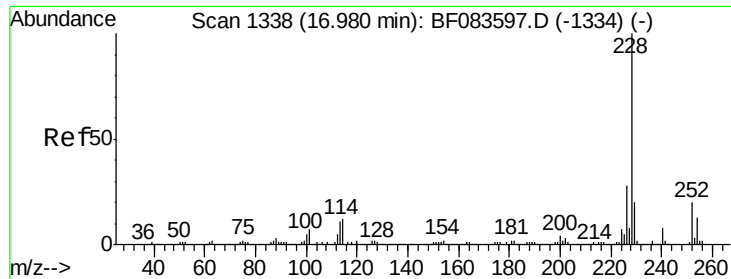
Delta R.T. -0.03 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.5	11.0	16.6





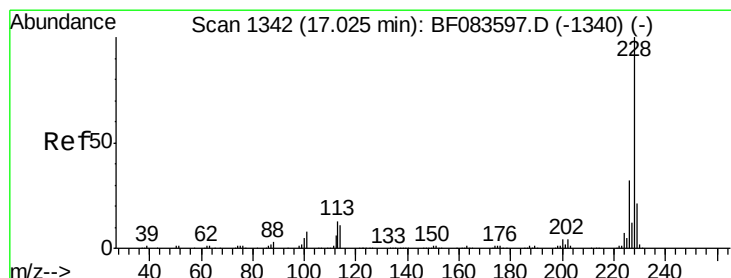
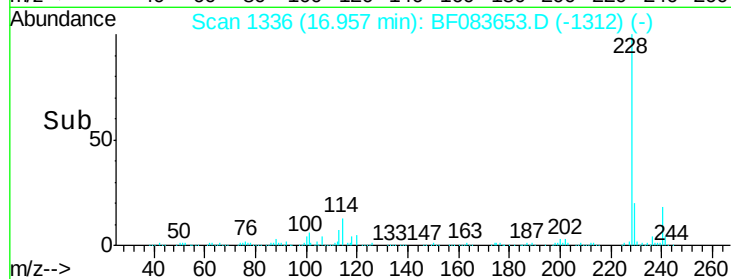
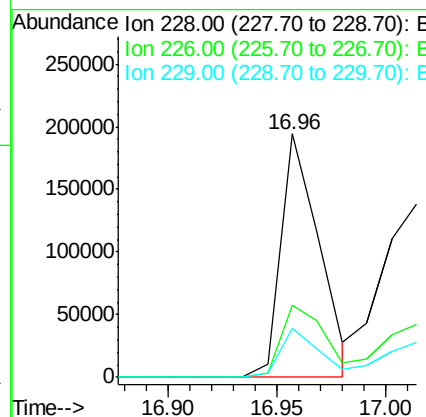
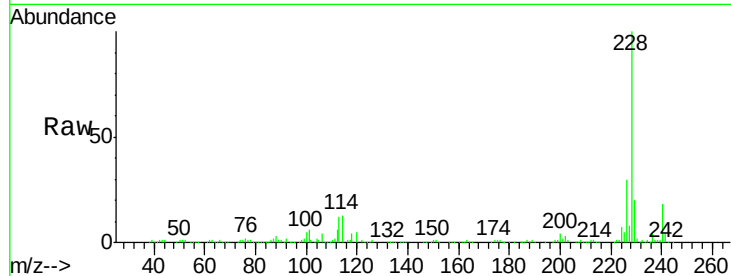
#80
Benzo(a)anthracene
Concen: 10.39 ng
RT: 16.96 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	20.1	15.7	23.5

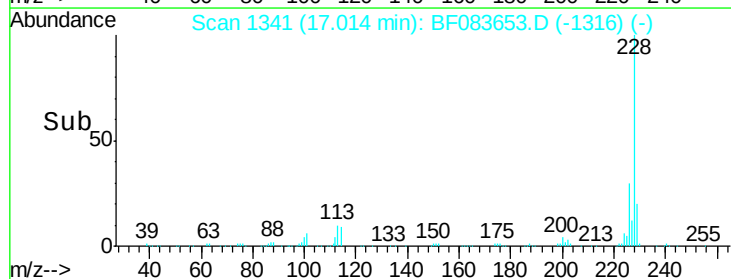
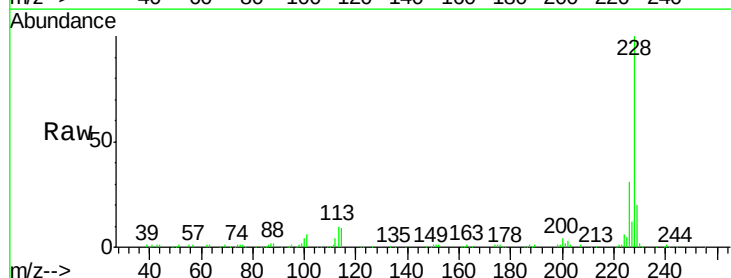
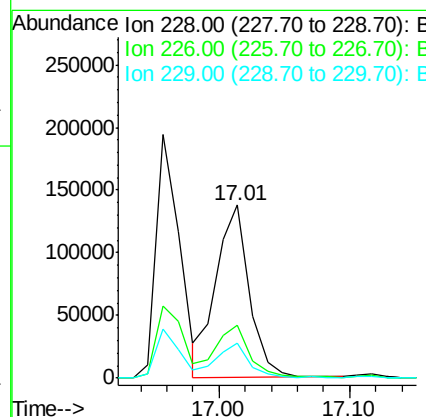
Manual Integrations
APPROVED

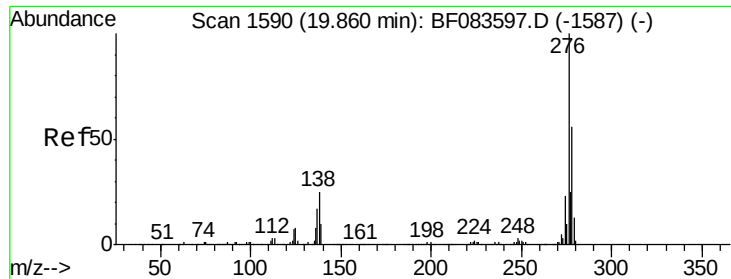
MMdadoda
12/10/2015 5:50:10 PM



#82
Chrysene
Concen: 10.56 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	20.0	16.3	24.5





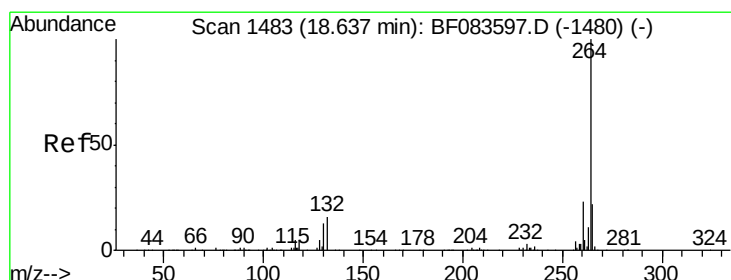
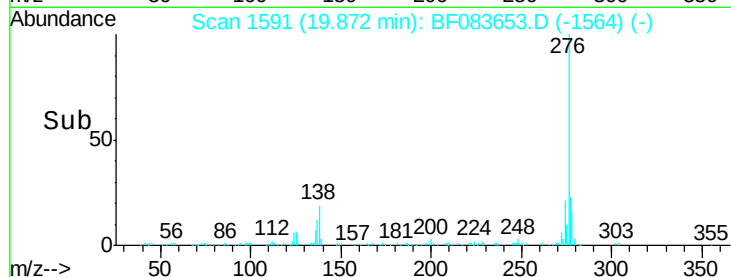
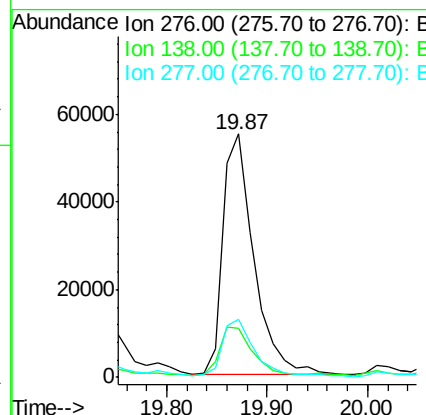
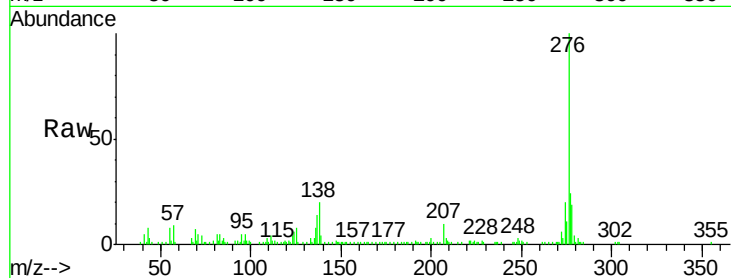
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.51 ng
RT: 19.87 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	0.0	0.0#
277	26.5	0.0	0.0#

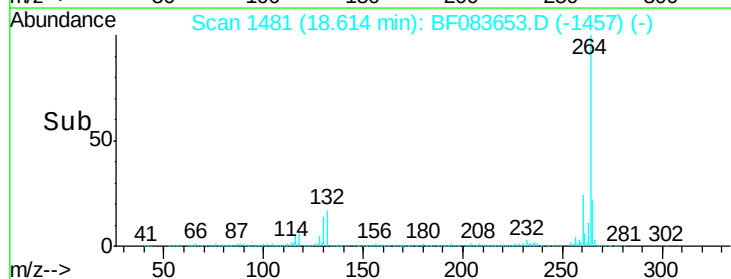
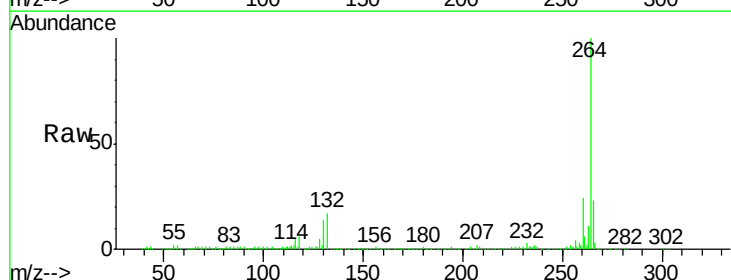
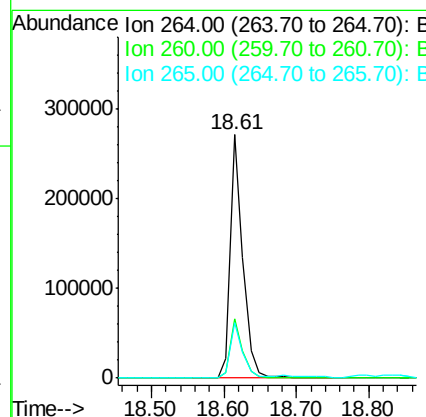
Manual Integrations
APPROVED

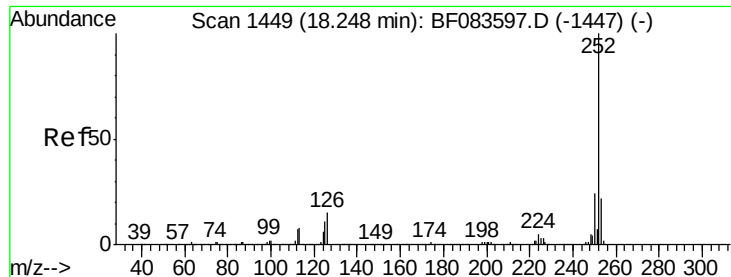
MMdadoda
12/10/2015 5:50:10 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 14.22 ng m

RT: 18.24 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

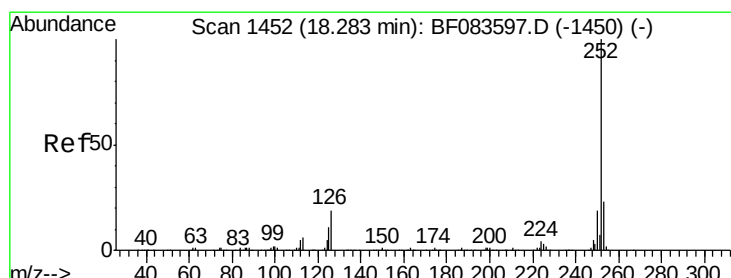
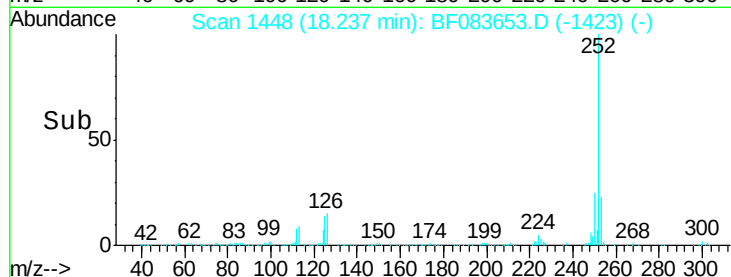
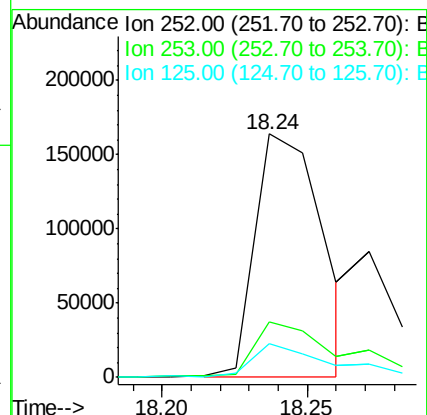
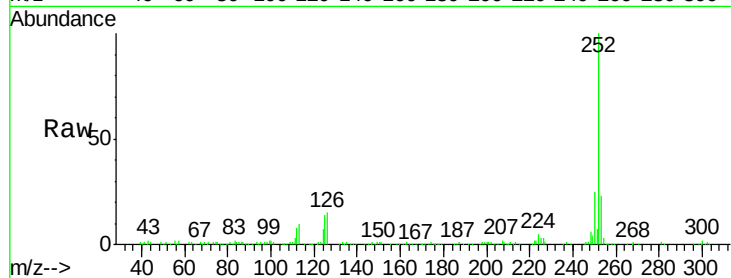
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion:	252	Resp:	265112
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.4
125	13.8	8.2	12.4#

Manual Integrations
APPROVED

MMdadoda
12/10/2015 5:50:10 PM



#88

Benzo(k)fluoranthene

Concen: 4.37 ng m

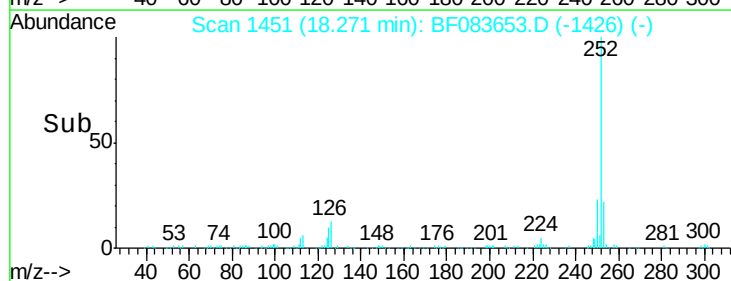
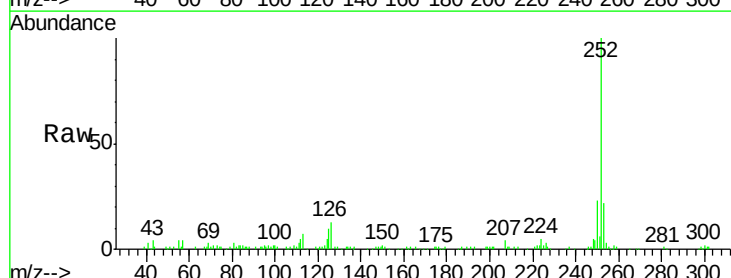
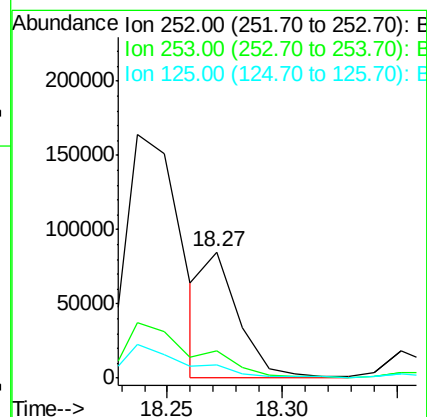
RT: 18.27 min Scan# 1451

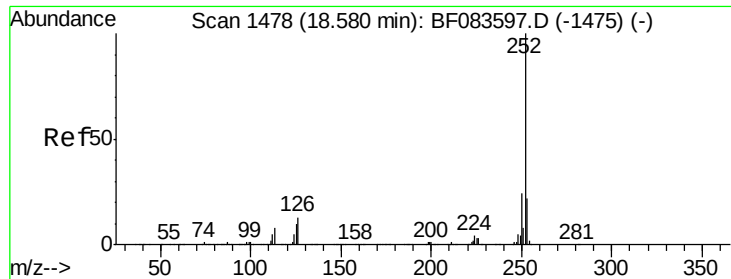
Delta R.T. -0.01 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Tgt Ion:	252	Resp:	89687
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.6	27.8
125	10.2	11.5	17.3#





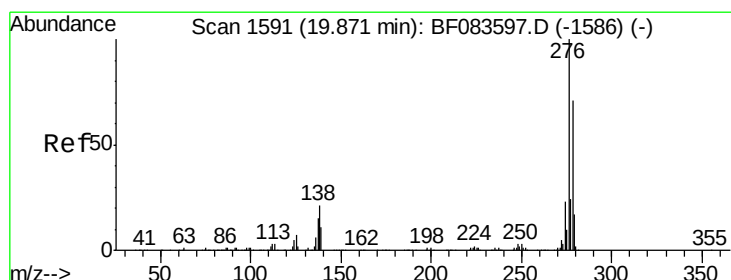
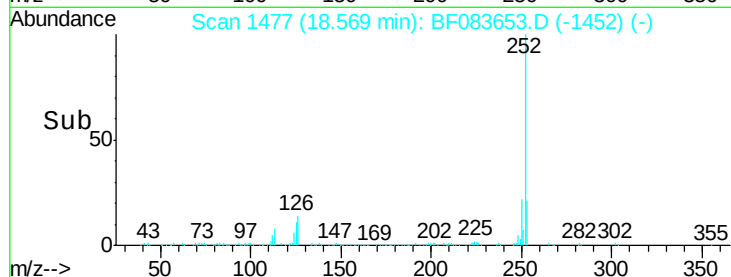
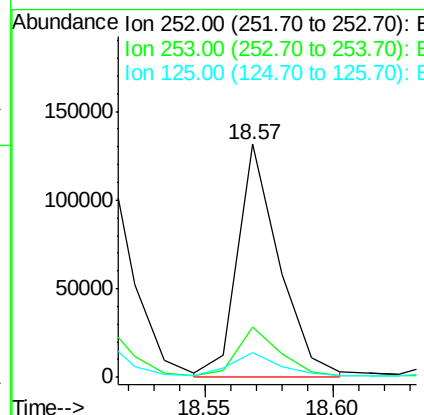
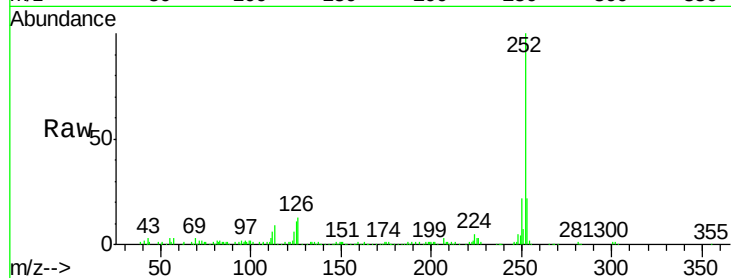
#89
Benzo(a)pyrene
Concen: 8.15 ng m
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.5	11.0	16.6

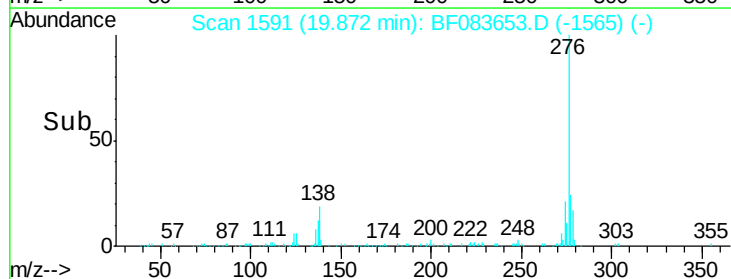
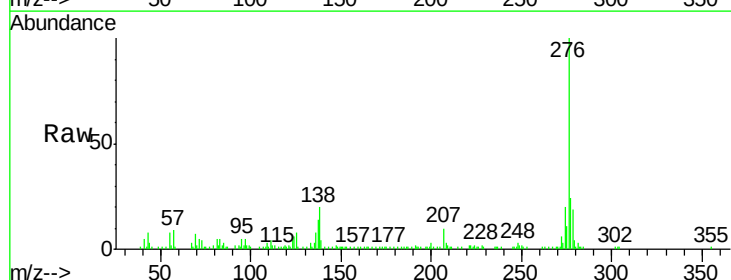
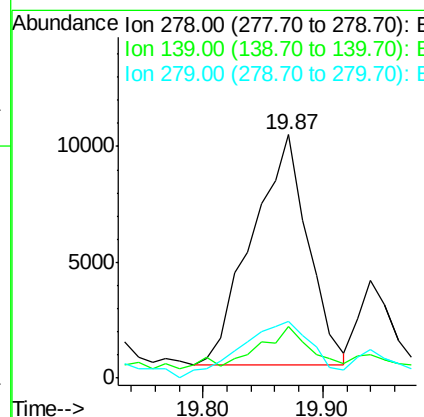
Manual Integrations
APPROVED

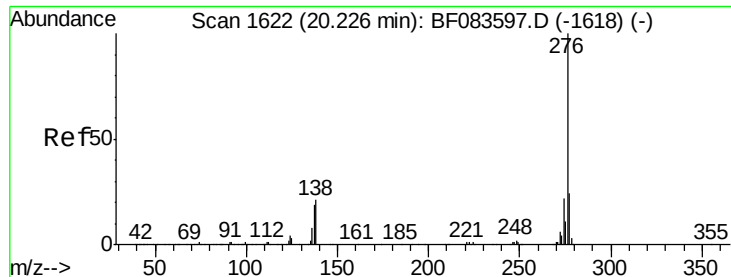
MMdadoda
12/10/2015 5:50:10 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.32 ng m
RT: 19.87 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	12.8	19.2
279	23.5	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 8.90 ng
 RT: 20.23 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	19.5	19.5	29.3

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:10 PM

