

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
 Data File : BF083577.D
 Acq On : 8 Dec 2015 1:28
 Operator : UM/IZ
 Sample : G4634-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

Manual Integrations
 APPROVED

Mmdadoda
 12/8/2015 6:15:44 PM

Quant Time: Dec 08 04:24:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	148687	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	558008	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	243781	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	377689	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	339365	20.00	ng	-0.03
86) Perylene-d12	18.65	264	255560	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.01	112	1054901	107.64	ng	-0.02
7) Phenol-d6	5.30	99	1426561	105.65	ng	-0.02
23) Nitrobenzene-d5	6.56	82	901658	75.53	ng	-0.05
41) 2,4,6-Tribromophenol	11.71	330	217545	96.74	ng	-0.05
44) 2-Fluorobiphenyl	9.37	172	1116734	62.13	ng	-0.06
78) Terphenyl-d14	15.44	244	683680	44.83	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	10.18	152	108606	4.06	ng	99
49) Dimethylphthalate	10.05	163	252266	13.15	ng	100
70) Phenanthrene	12.84	178	133330	6.06	ng	98
71) Anthracene	12.93	178	54245m	2.42	ng	
74) Fluoranthene	14.77	202	236273	10.84	ng	99
77) Pyrene	15.13	202	264700	10.43	ng	97
80) Benzo(a)anthracene	17.00	228	153894m	7.75	ng	
82) Chrysene	17.05	228	129019	6.52	ng	99
85) Indeno(1,2,3-cd)pyrene	19.91	276	96999	5.72	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	191129m	13.32	ng	
88) Benzo(k)fluoranthene	18.29	252	37553m	2.55	ng	
89) Benzo(a)pyrene	18.60	252	114158	8.18	ng	95
91) Benzo(a,h,i)perylene	20.27	276	109881	8.12	ng	96

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

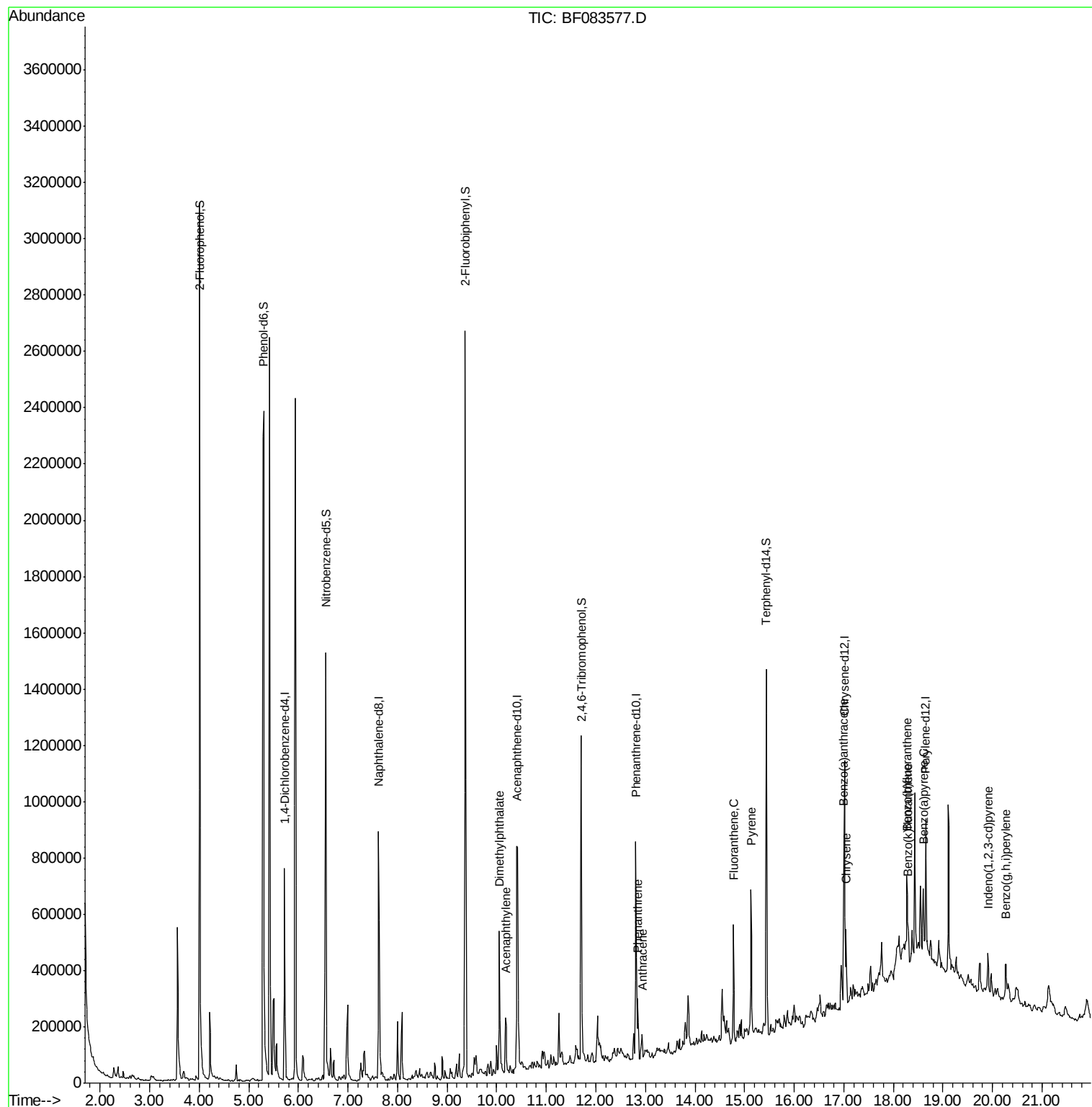
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083577.D
Acq On : 8 Dec 2015 1:28
Operator : UM/IZ
Sample : G4634-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

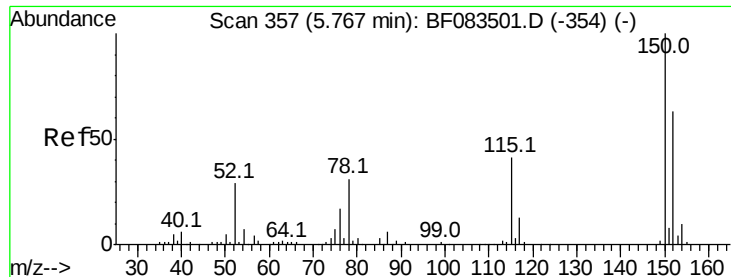
Instrument :
BNA_F
ClientSampled :
K203-0-2

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM

Quant Time: Dec 08 04:24:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration





#1

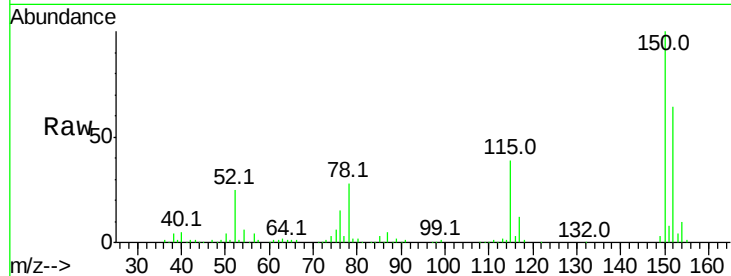
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.72 min Scan# 353
Delta R.T. -0.05 min
Lab File: BF083577.D
Acq: 8 Dec 2015 1:28

Instrument :
BNA_F
ClientSampleId :
K203-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.5	189.7
115	60.9	52.3	78.5

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM

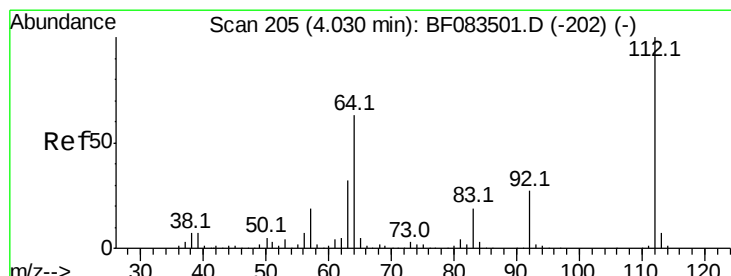
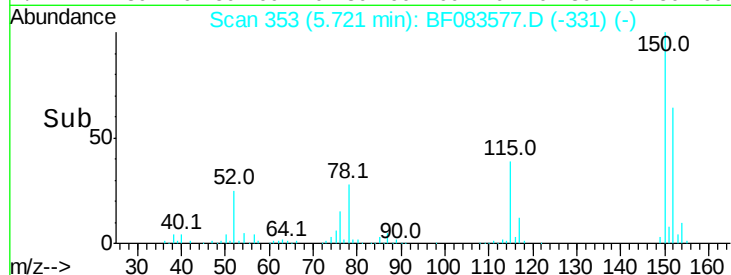
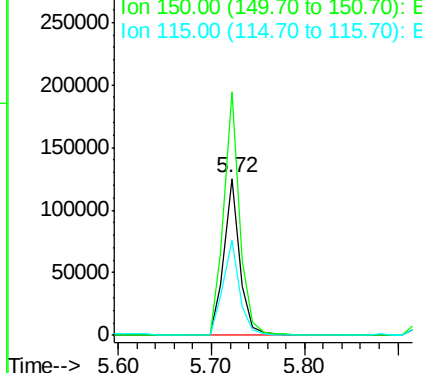


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

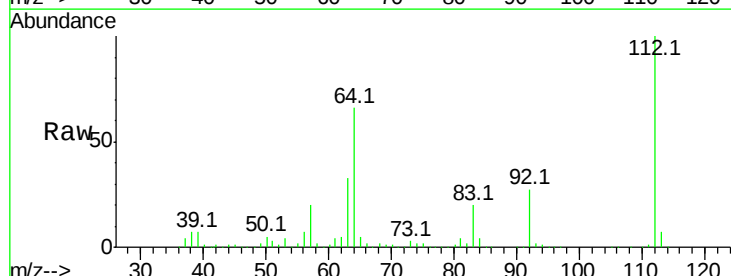
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.64 ng
RT: 4.01 min Scan# 203
Delta R.T. -0.02 min
Lab File: BF083577.D
Acq: 8 Dec 2015 1:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	50.5	75.7
63	33.3	25.8	38.6

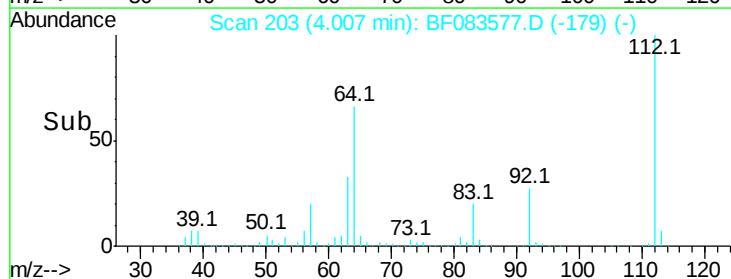
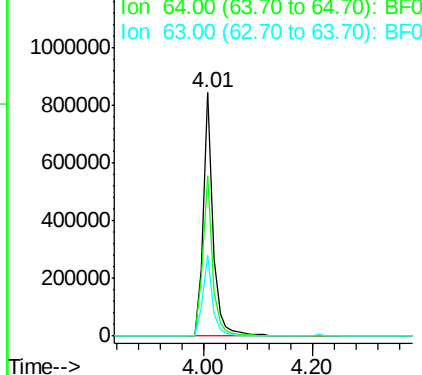


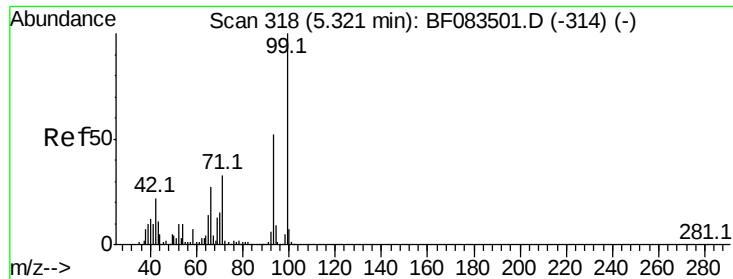
Abundance

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: 105.65 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

ClientSampleId :

K203-0-2

Tot Ion: 99 Resp: 1426561

Ion Ratio Lower Upper

99 100

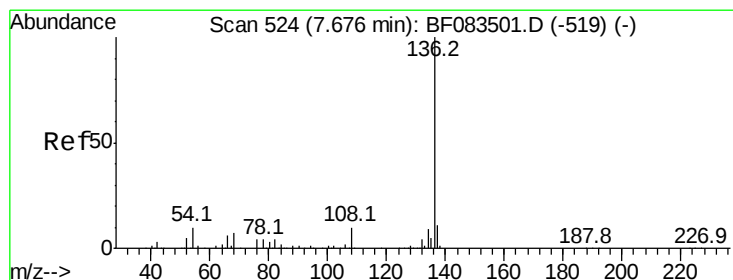
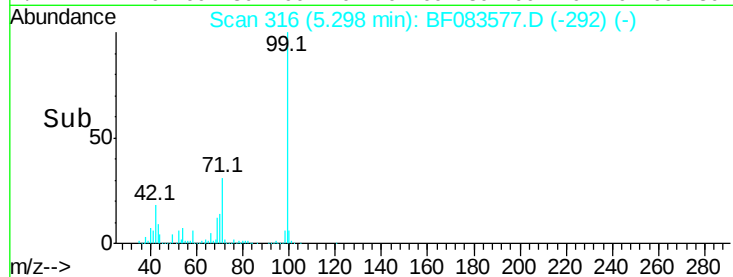
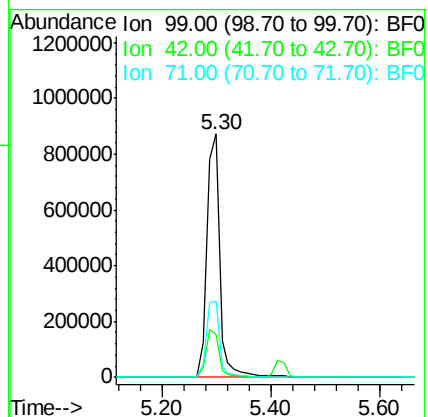
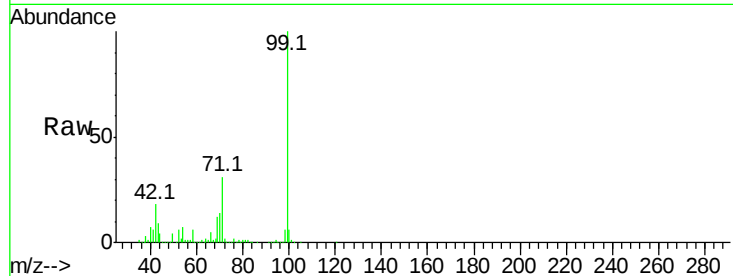
42 17.6 17.3 25.9

71 31.2 26.6 40.0

Manual Integrations
APPROVED

Mmdadoda

12/8/2015 6:15:44 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.62 min Scan# 519

Delta R.T. -0.06 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Tgt Ion: 136 Resp: 558008

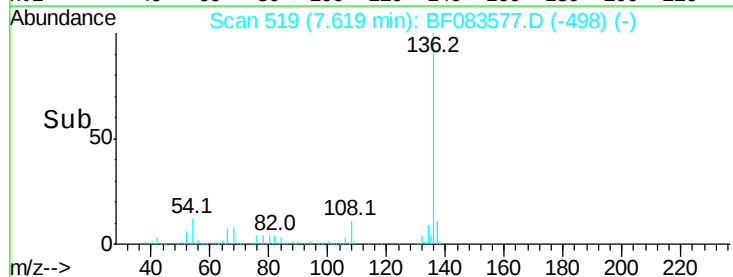
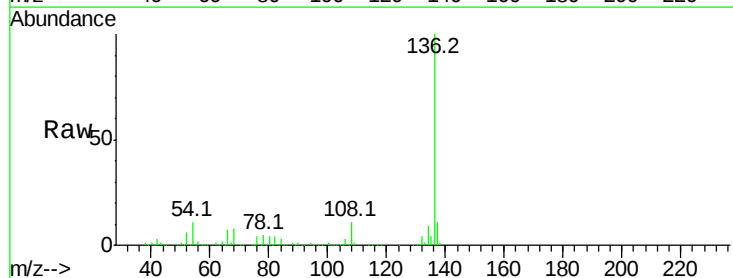
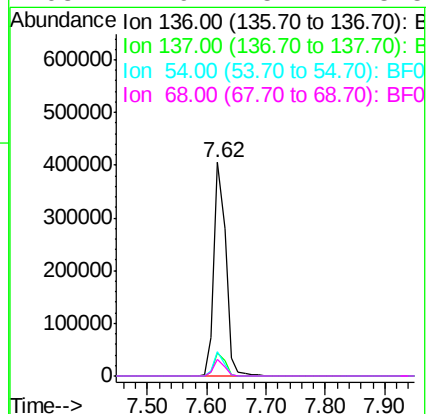
Ion Ratio Lower Upper

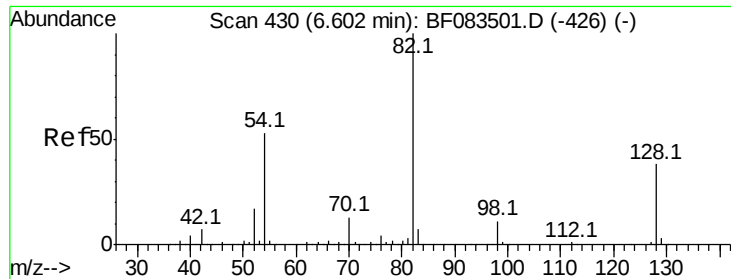
136 100

137 10.8 8.7 13.1

54 11.5 7.8 11.6

68 7.9 5.7 8.5





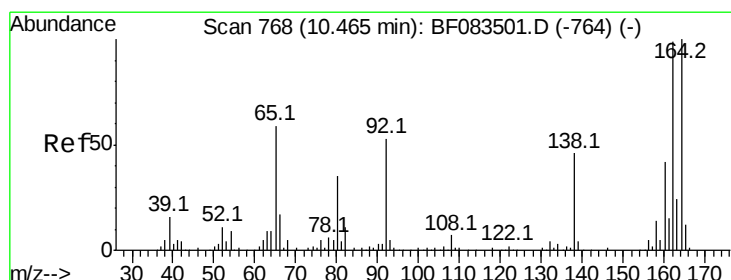
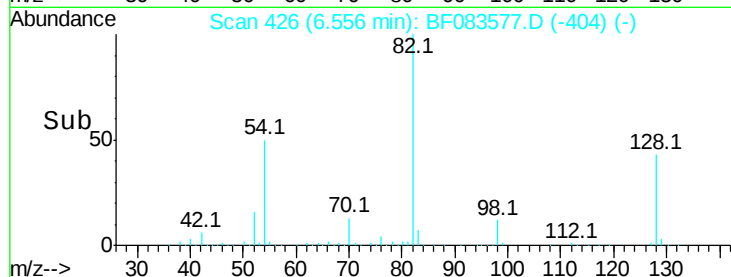
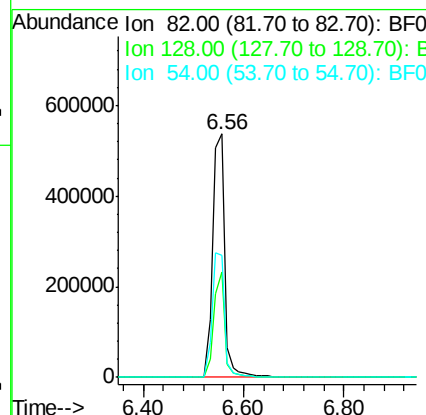
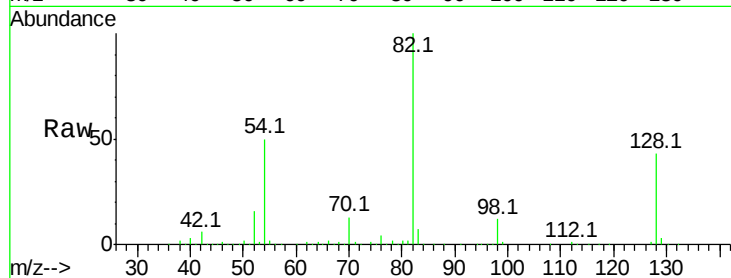
#23
 Nitrobenzene-d5
 Concen: 75.53 ng
 RT: 6.56 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: BF083577.D
 Acq: 8 Dec 2015 1:28

Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.4	30.7	46.1	
54	50.3	42.5	63.7	

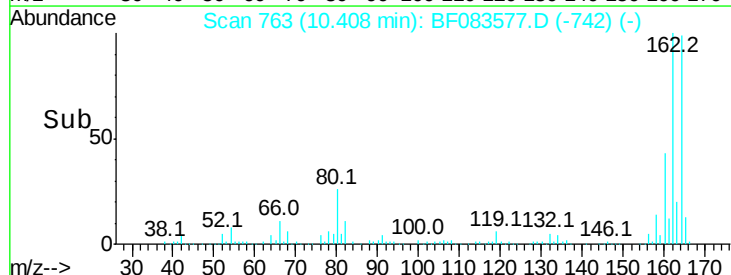
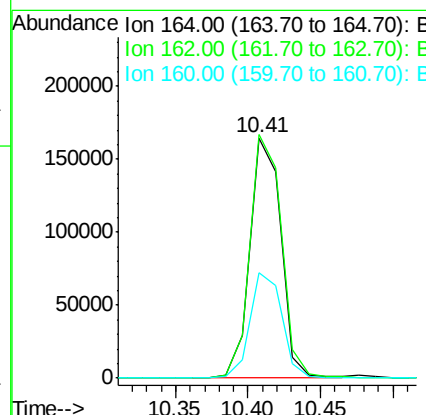
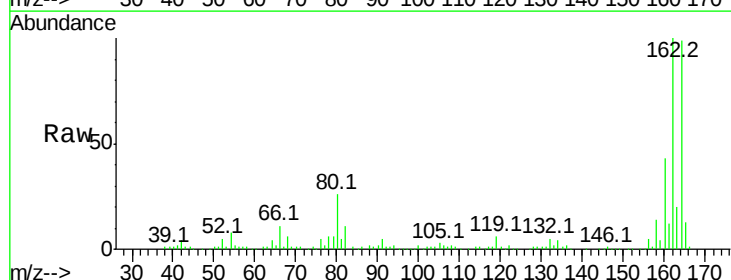
Manual Integrations
 APPROVED

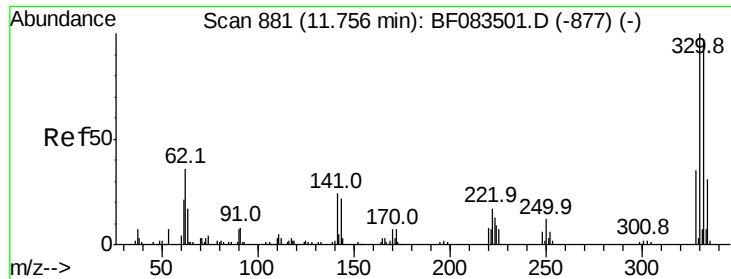
Mmdadoda
 12/8/2015 6:15:44 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF083577.D
 Acq: 8 Dec 2015 1:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	78.8	118.2	
160	44.1	33.4	50.2	





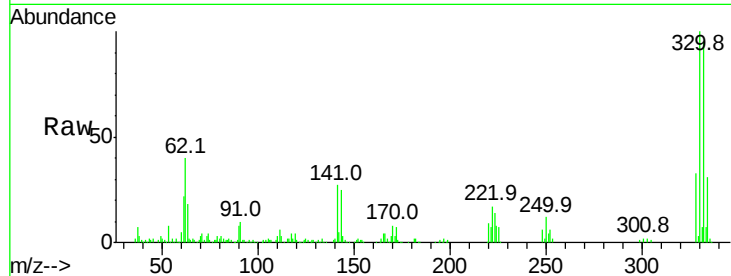
#41
 2,4,6-Tribromophenol
 Concen: 96.74 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083577.D
 Acq: 8 Dec 2015 1:28

Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

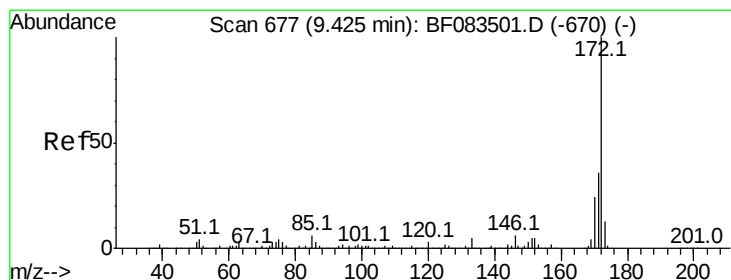
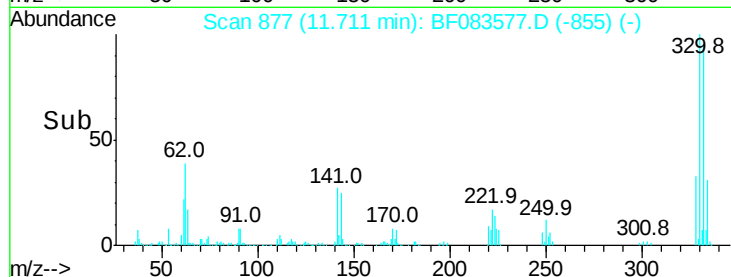
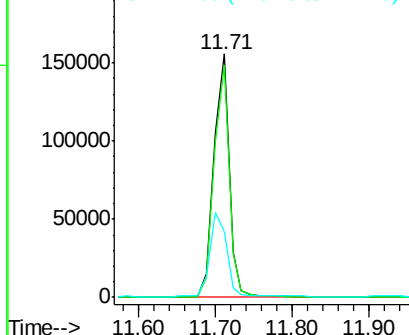
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.7	0.0	0.0#
141	39.0	0.0	0.0#

Manual Integrations
 APPROVED

Mmdadoda
 12/8/2015 6:15:44 PM



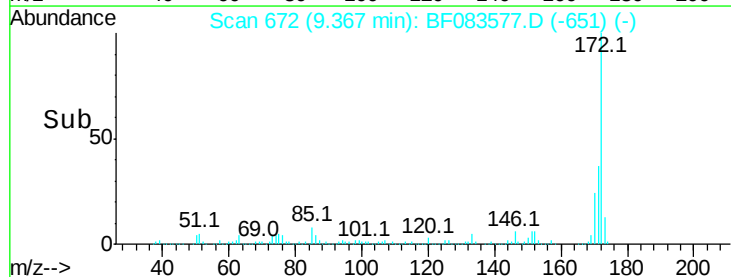
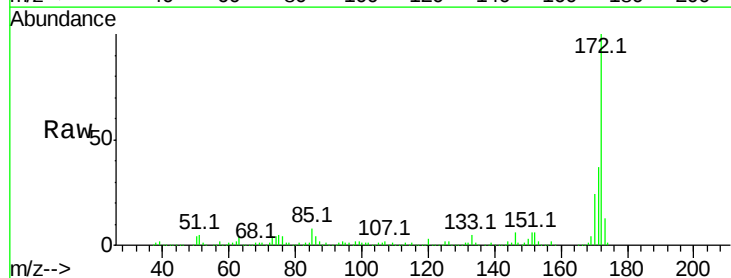
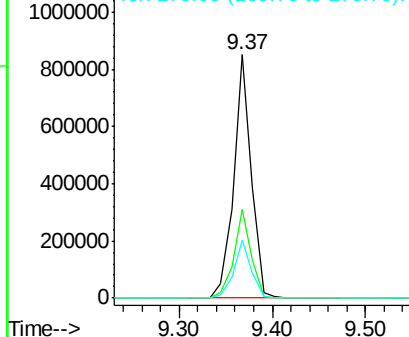
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

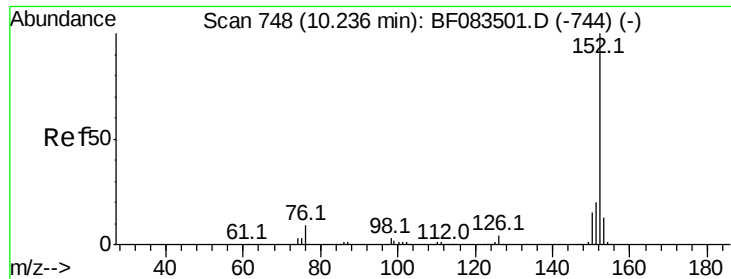


#44
 2-Fluorobiphenyl
 Concen: 62.13 ng
 RT: 9.37 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF083577.D
 Acq: 8 Dec 2015 1:28

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.5	28.6	42.8
170	23.9	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





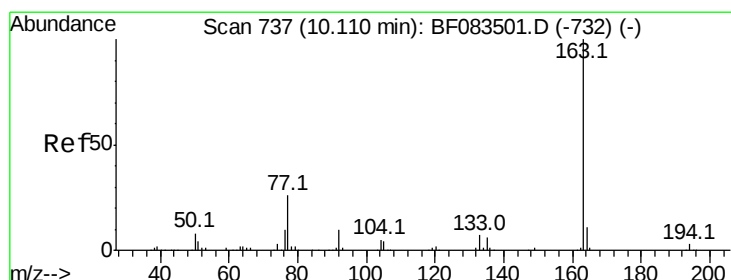
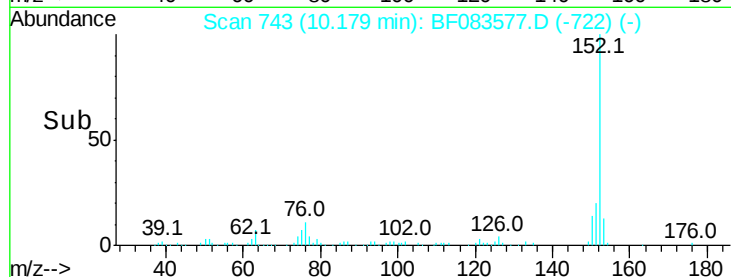
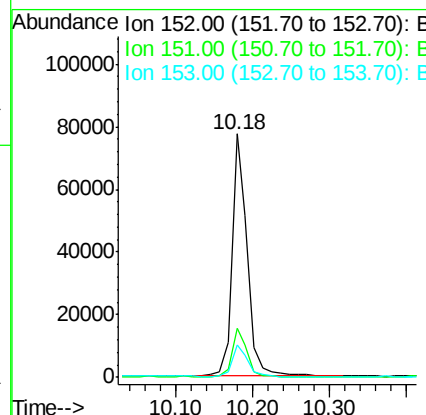
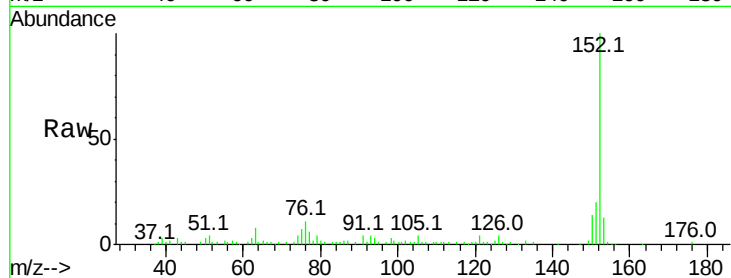
#48
Acenaphthylene
Concen: 4.06 ng
RT: 10.18 min Scan# 743
Delta R.T. -0.06 min
Lab File: BF083577.D
Acq: 8 Dec 2015 1:28

Instrument :
BNA_F
ClientSampleId :
K203-0-2

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.3	10.8	16.2

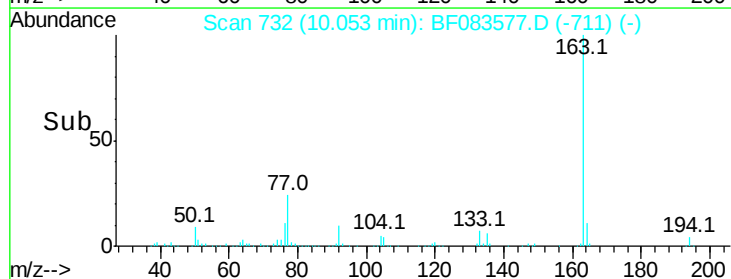
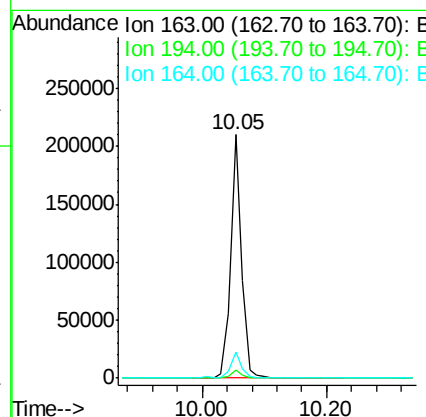
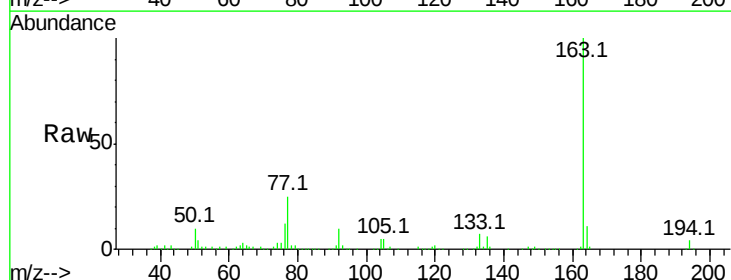
Manual Integrations
APPROVED

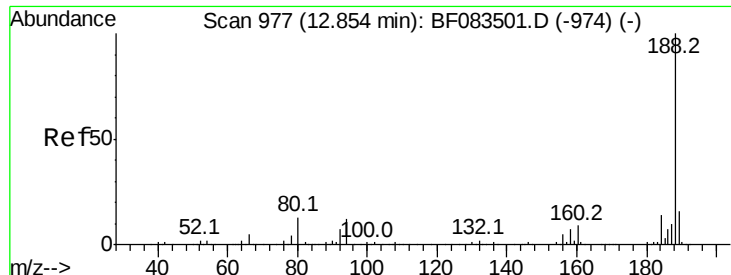
Mmdadoda
12/8/2015 6:15:44 PM



#49
Dimethylphthalate
Concen: 13.15 ng
RT: 10.05 min Scan# 732
Delta R.T. -0.06 min
Lab File: BF083577.D
Acq: 8 Dec 2015 1:28

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.7	8.6	13.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.81 min Scan# 973

Delta R.T. -0.05 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

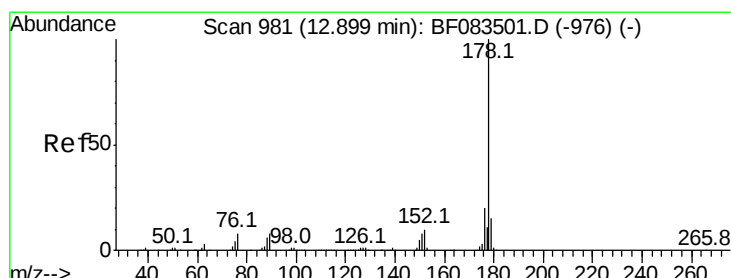
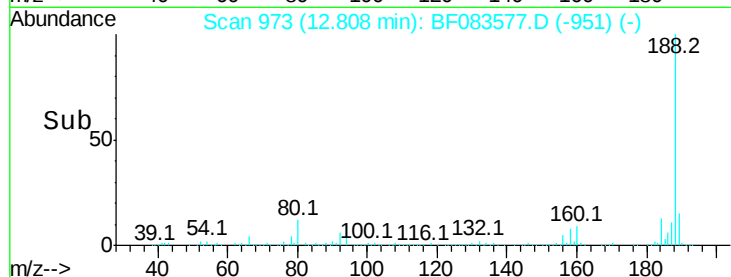
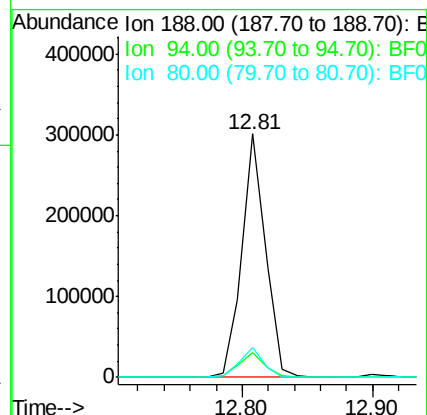
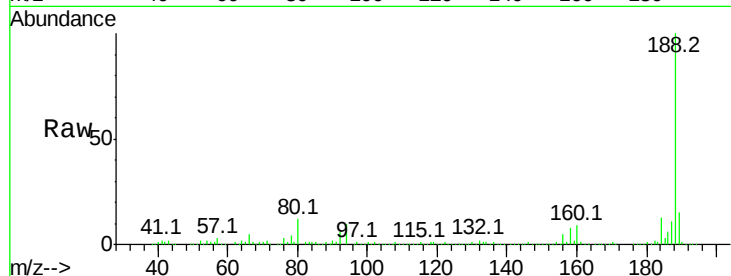
ClientSampleId :

K203-0-2

Tot Ion:	188	Resp:	377689
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	12.2	10.6	16.0

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM



#70

Phenanthrene

Concen: 6.06 ng

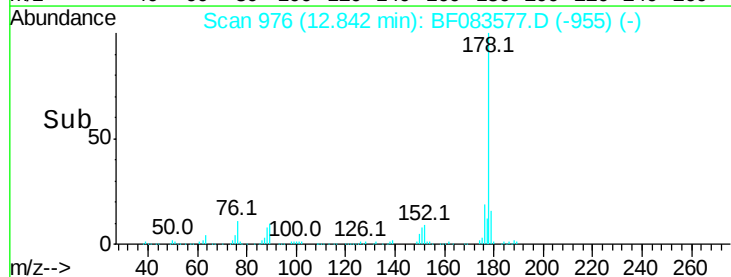
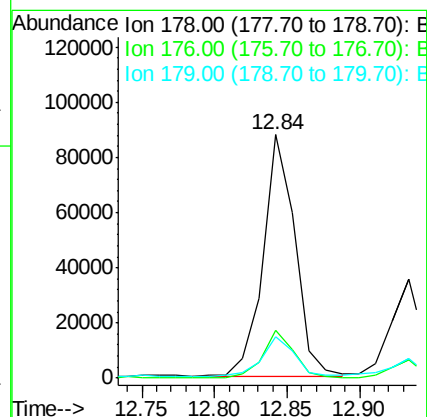
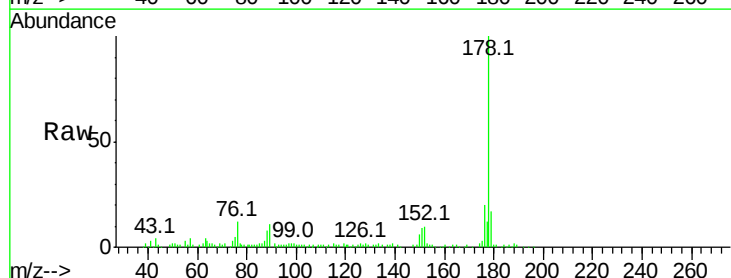
RT: 12.84 min Scan# 976

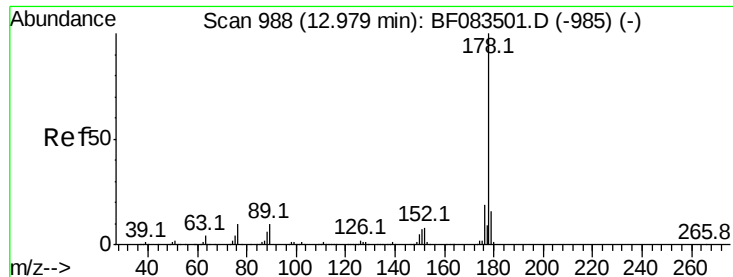
Delta R.T. -0.06 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Tgt Ion:	178	Resp:	133330
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.7	23.5
179	16.9	12.2	18.4





#71

Anthracene

Concen: 2.42 ng/mL

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

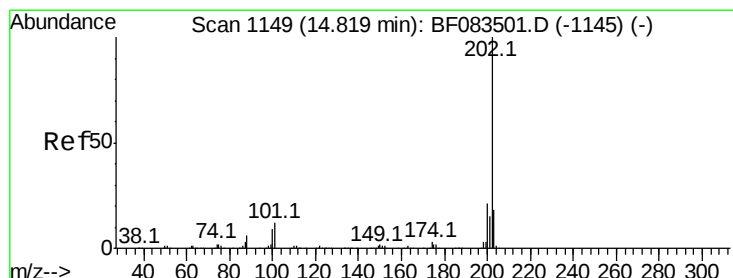
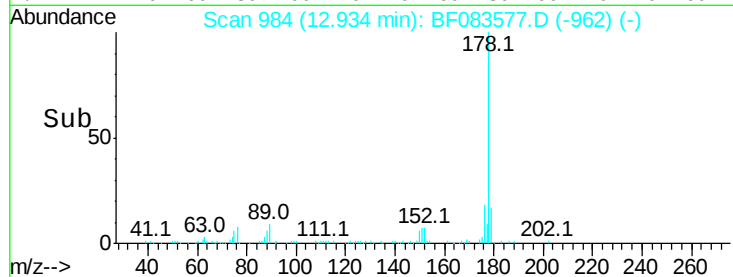
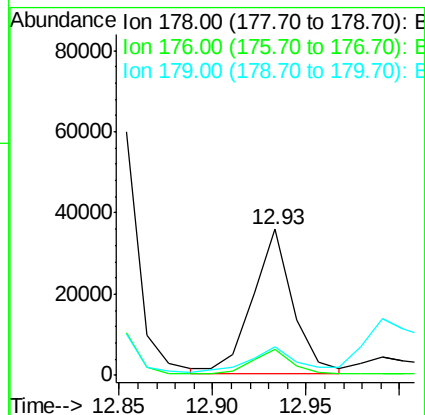
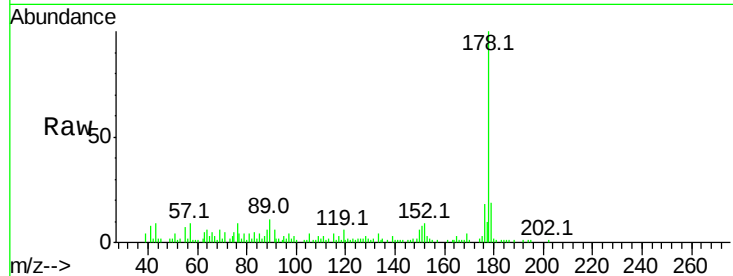
ClientSampleId :

K203-0-2

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM

Tot Ion:178	Resp:	54245
Ion Ratio	Lower	Upper
178 100		
176 18.1	15.2	22.8
179 19.2	12.6	18.8#



#74

Fluoranthene

Concen: 10.84 ng/mL

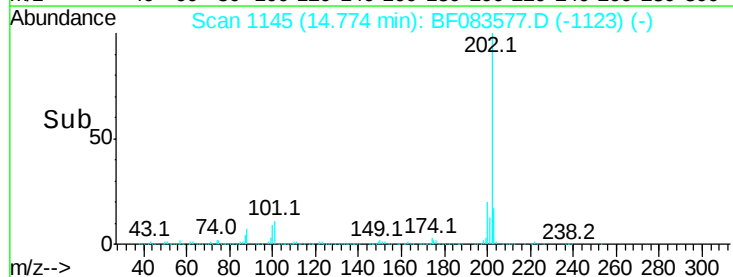
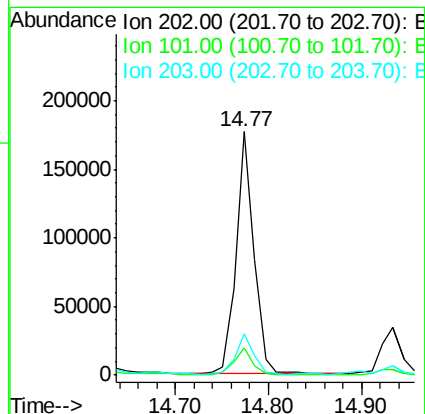
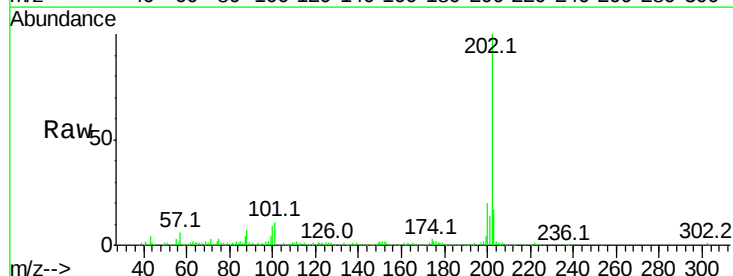
RT: 14.77 min Scan# 1145

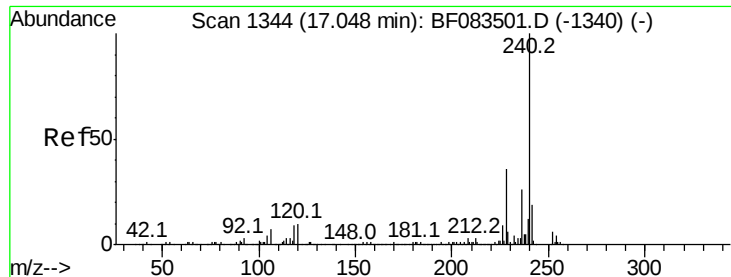
Delta R.T. -0.05 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Tgt Ion:202	Resp:	236273
Ion Ratio	Lower	Upper
202 100		
101 11.4	0.0	31.5
203 17.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

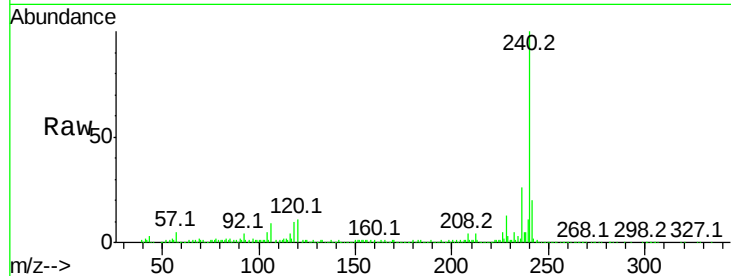
ClientSampleId :

K203-0-2

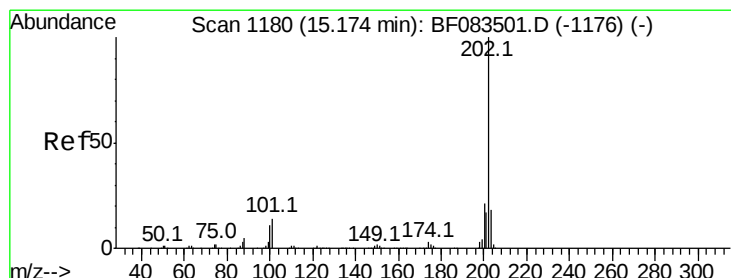
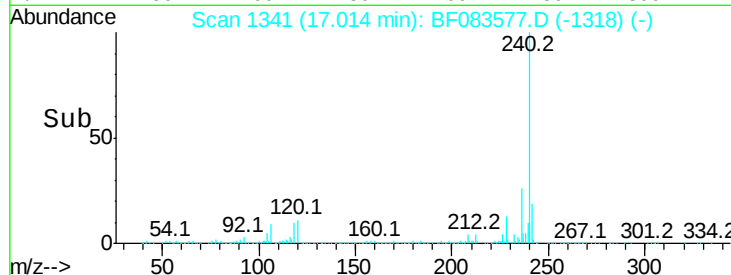
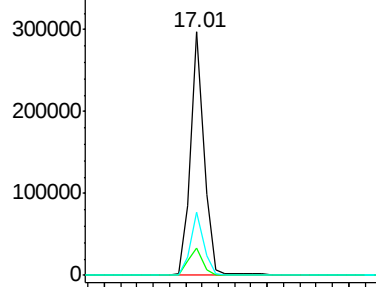
Tot Ion:	240	Resp:	339365
Ion Ratio	Lower	Upper	
240	100		
120	11.5	8.1	12.1
236	25.7	20.8	31.2

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM



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: 10.43 ng

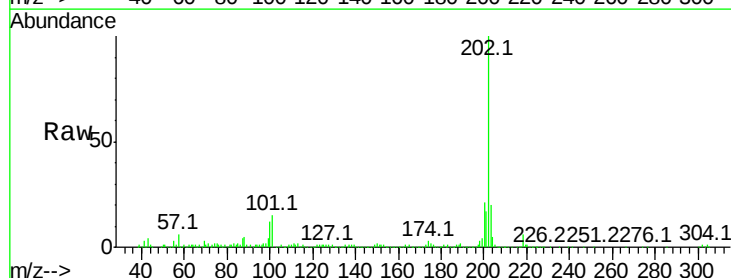
RT: 15.13 min Scan# 1176

Delta R.T. -0.05 min

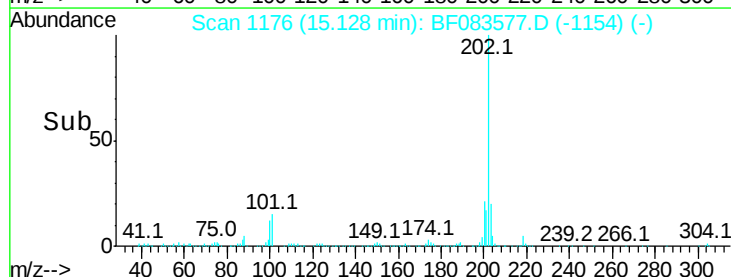
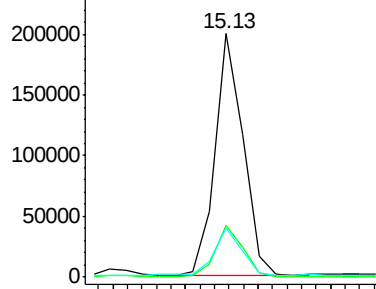
Lab File: BF083577.D

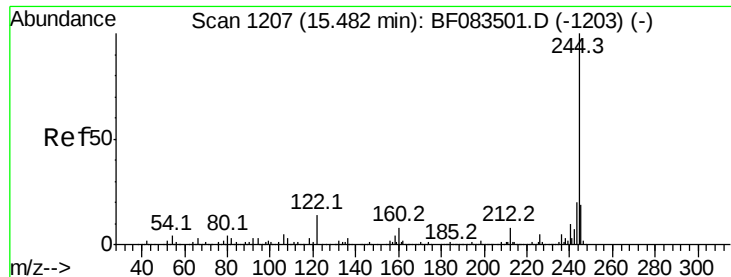
Acq: 8 Dec 2015 1:28

Tgt Ion:	202	Resp:	264700
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.7	25.1
203	20.2	14.3	21.5



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: 44.83 ng

RT: 15.44 min Scan# 1203

Delta R.T. -0.05 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

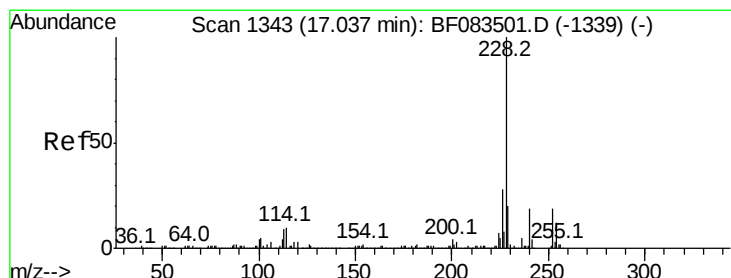
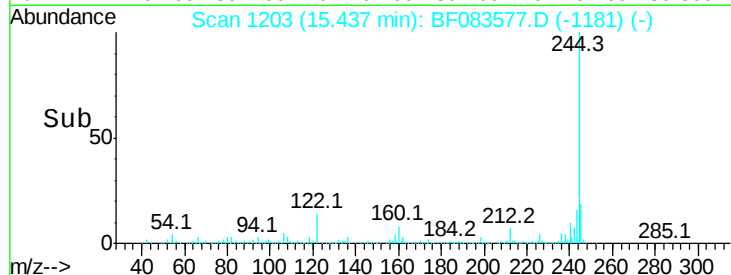
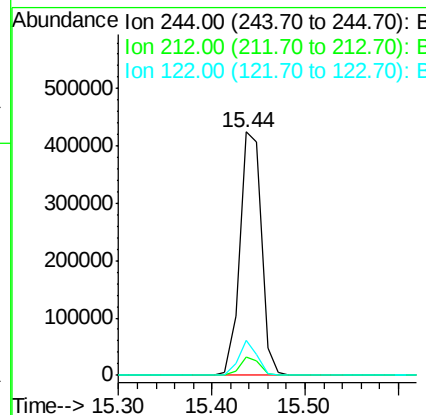
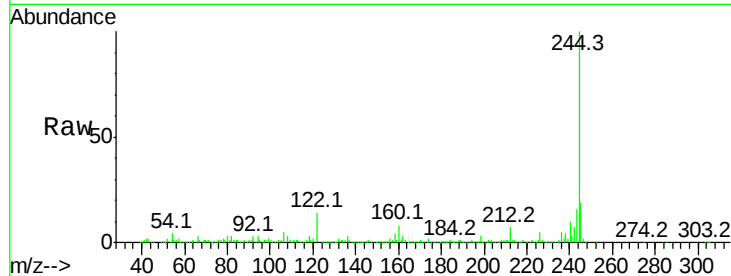
ClientSampleId :

K203-0-2

Tot Ion:	244	Resp:	683680
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.1	9.1
122	14.2	11.0	16.6

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM



#80

Benzo(a)anthracene

Concen: 7.75 ng m

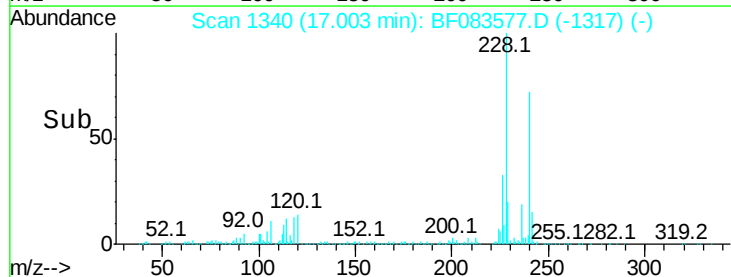
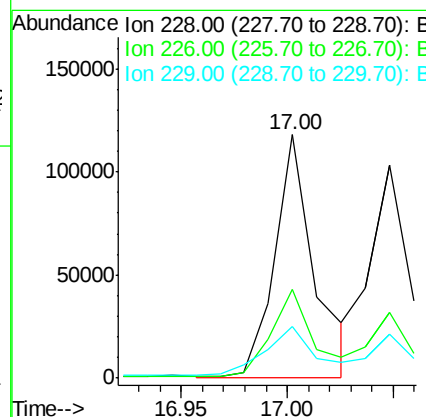
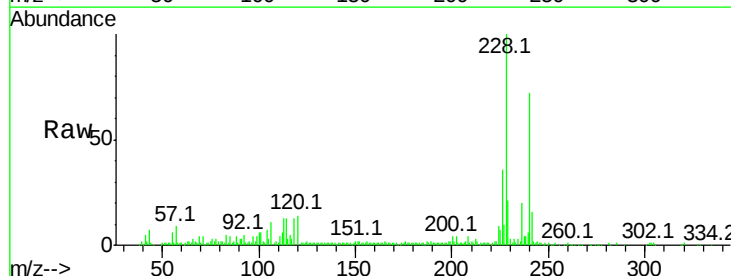
RT: 17.00 min Scan# 1340

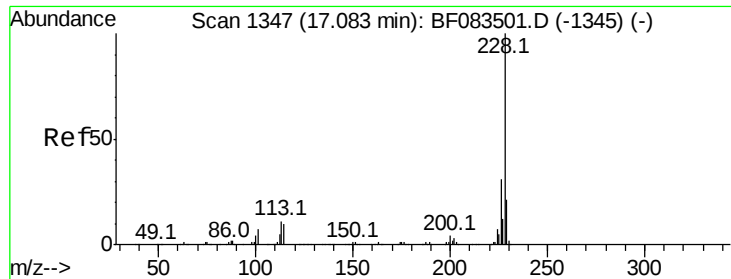
Delta R.T. -0.03 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Tgt Ion:	228	Resp:	153894
Ion Ratio		Lower	Upper
228	100		
226	36.3	22.3	33.5#
229	21.1	15.7	23.5





#82

Chrysene

Concen: 6.52 ng

RT: 17.05 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

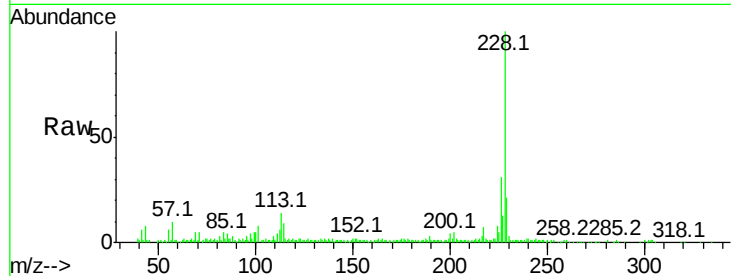
ClientSampleId :

K203-0-2

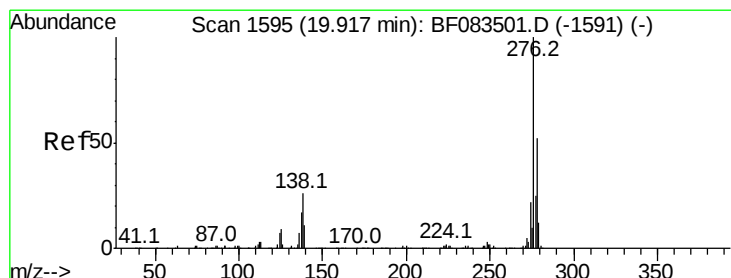
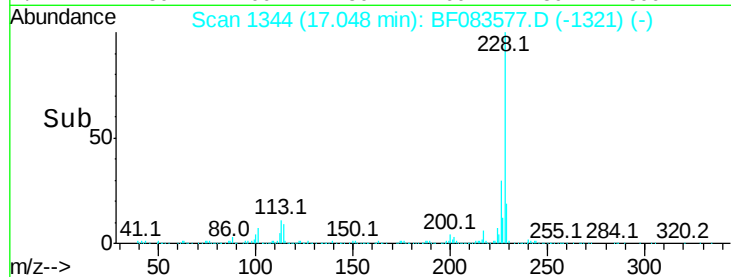
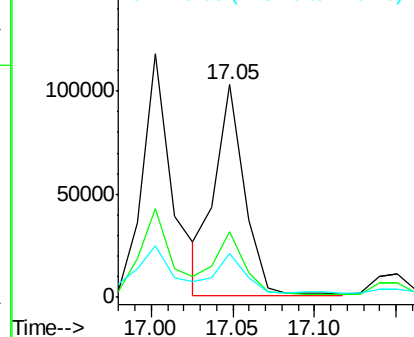
Tot Ion:	228	Resp:	129019
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.7	37.1
229	20.8	16.3	24.5

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.72 ng

RT: 19.91 min Scan# 1594

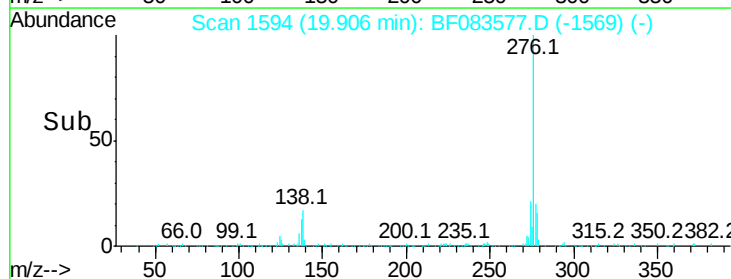
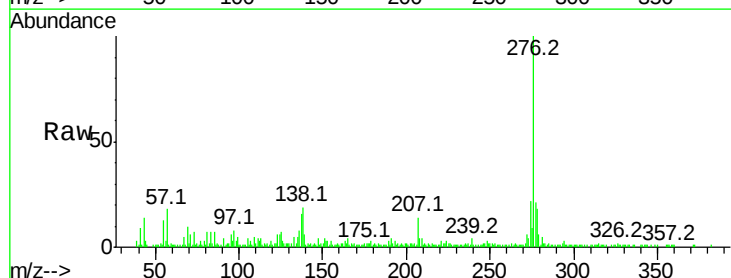
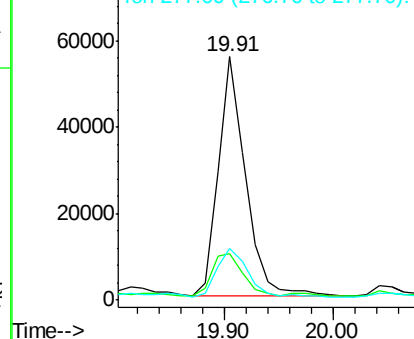
Delta R.T. -0.01 min

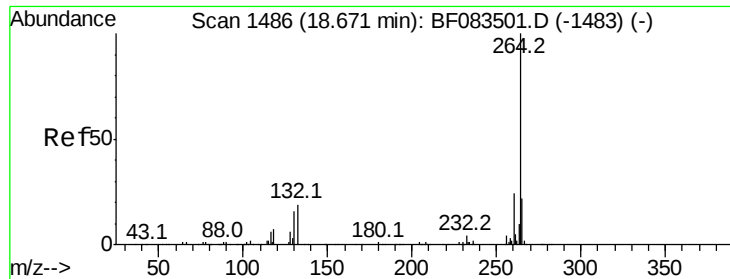
Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Tgt Ion:	276	Resp:	96999
Ion Ratio	Lower	Upper	
276	100		
138	19.7	0.0	0.0#
277	23.2	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: 18.65 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BF083577.D

Acq: 8 Dec 2015 1:28

Instrument :

BNA_F

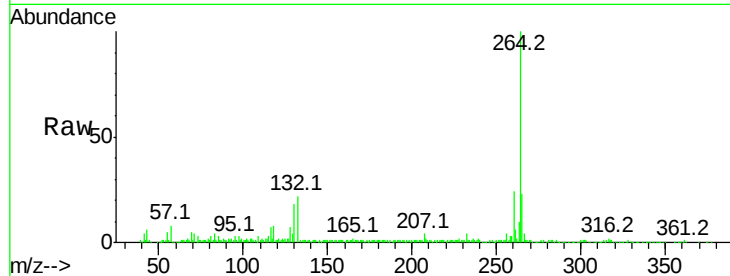
ClientSampleId :

K203-0-2

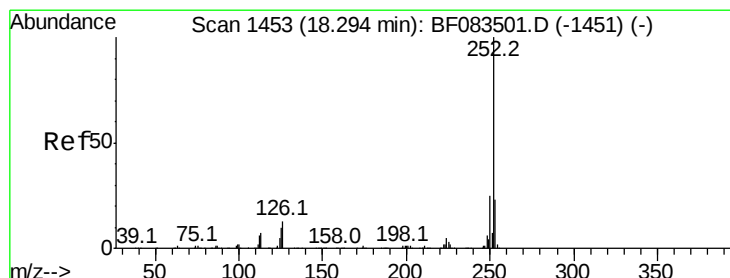
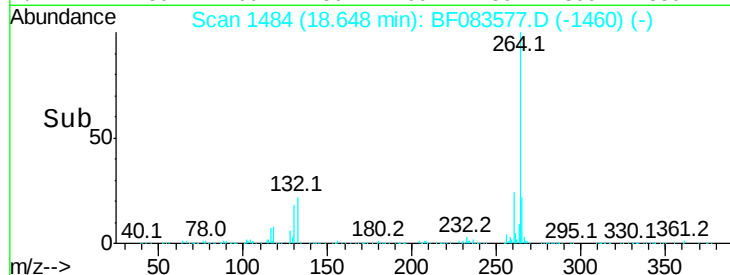
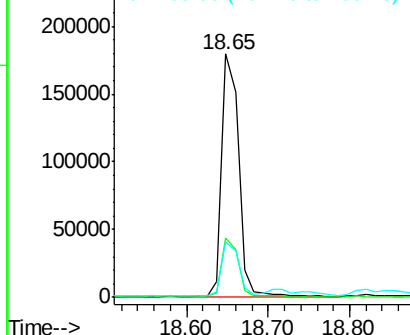
Tot Ion:	264	Resp:	255560
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.4	29.0
265	23.0	17.8	26.6

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM



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: 13.32 ng m

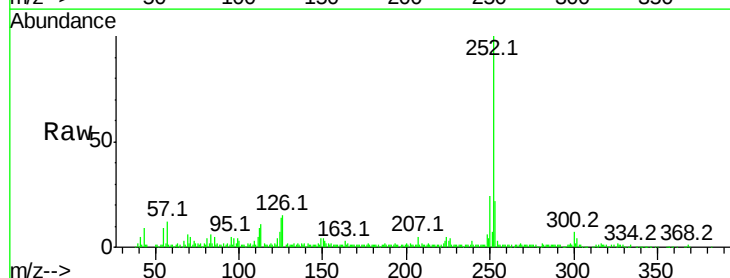
RT: 18.27 min Scan# 1451

Delta R.T. -0.02 min

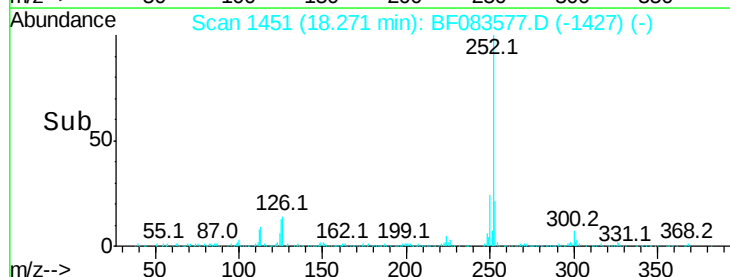
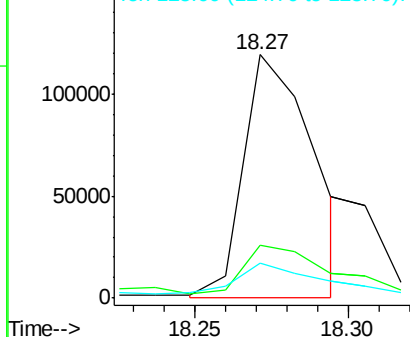
Lab File: BF083577.D

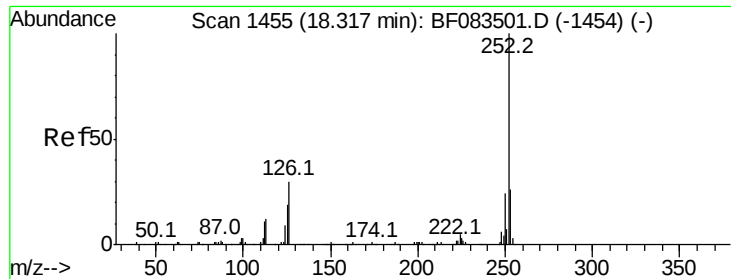
Acq: 8 Dec 2015 1:28

Tgt Ion:	252	Resp:	191129
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.4
125	14.5	8.2	12.4#



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





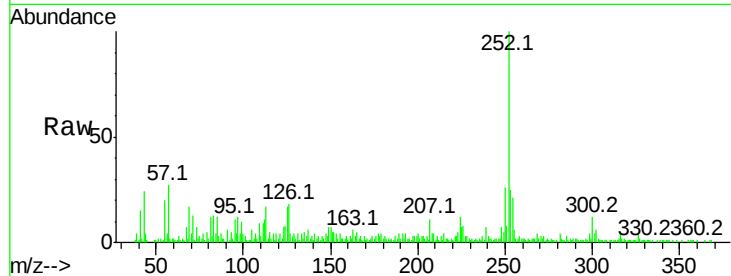
#88
Benzo(k)fluoranthene
Concen: 2.55 ng m
RT: 18.29 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF083577.D
Acq: 8 Dec 2015 1:28

Instrument :
BNA_F
ClientSampleId :
K203-0-2

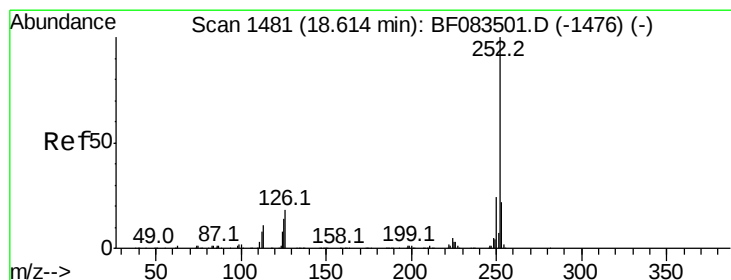
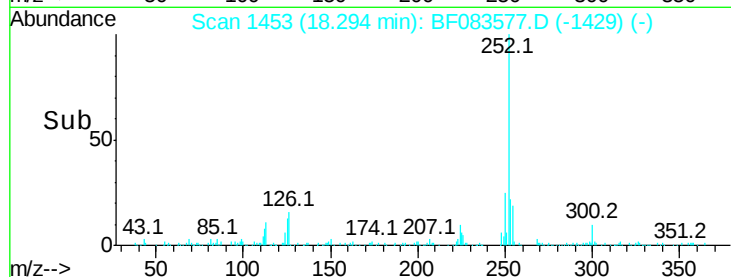
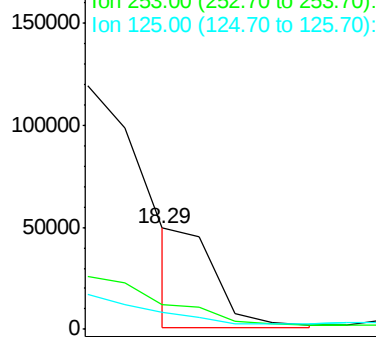
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.6	27.8
125	17.5	11.5	17.3#

Manual Integrations
APPROVED

Mmdadoda
12/8/2015 6:15:44 PM



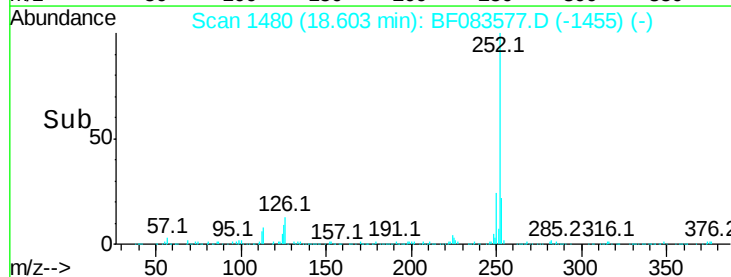
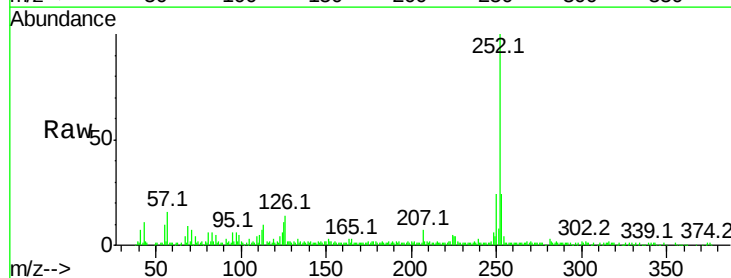
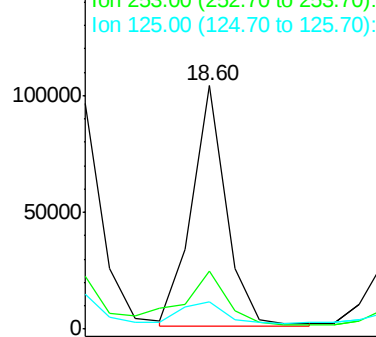
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

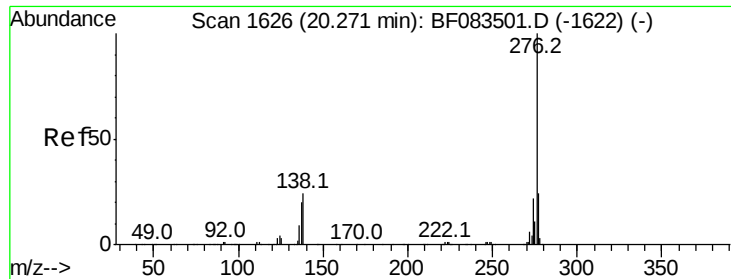


#89
Benzo(a)pyrene
Concen: 8.18 ng
RT: 18.60 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF083577.D
Acq: 8 Dec 2015 1:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	11.4	11.0	16.6

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





#91
 Benzo(a,h,i)perylene
 Concen: 8.12 ng
 RT: 20.27 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: BF083577.D
 Acq: 8 Dec 2015 1:28

Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

Tot Ion:	276	Resp:	109881
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.2	28.8
138	21.8	19.5	29.3

Manual Integrations
 APPROVED

Mmdadoda
 12/8/2015 6:15:44 PM

