

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082092.D
 Acq On : 6 Oct 2015 19:11
 Operator : UM/IZ
 Sample : G3906-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)

Manual Integrations
 APPROVED

mmdadoda
 10/7/2015 4:52:54 PM

Quant Time: Oct 07 05:36:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 02:00:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	90496	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	344153	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	160444	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	304560	20.00	ng	0.00
75) Chrysene-d12	14.06	240	226696	20.00	ng	-0.01
86) Perylene-d12	15.51	264	215653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	618553	124.08	ng	0.01
7) Phenol-d6	6.51	99	752051	119.89	ng	0.00
23) Nitrobenzene-d5	7.45	82	497996	96.46	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	213496	131.39	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	741907	75.76	ng	0.00
78) Terphenyl-d14	13.00	244	624017	90.52	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	161670	14.60	ng	# 97
51) Acenaphthene	9.95	154	20425	2.21	ng	91
70) Phenanthrene	11.44	178	230659	14.61	ng	98
71) Anthracene	11.49	178	91079	5.88	ng	100
74) Fluoranthene	12.63	202	272674	16.71	ng	86
77) Pyrene	12.86	202	215665	15.92	ng	97
80) Benzo(a)anthracene	14.05	228	101059m	8.28	ng	
82) Chrysene	14.08	228	88105m	6.47	ng	
85) Indeno(1,2,3-cd)pyrene	16.93	276	40727m	4.26	ng	
87) Benzo(b)fluoranthene	15.09	252	92796m	7.54	ng	
88) Benzo(k)fluoranthene	15.11	252	44649m	3.96	ng	
89) Benzo(a)pyrene	15.44	252	76617	7.17	ng	# 85
91) Benzo(a,h,i)perylene	17.36	276	37835	4.12	ng	# 74

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

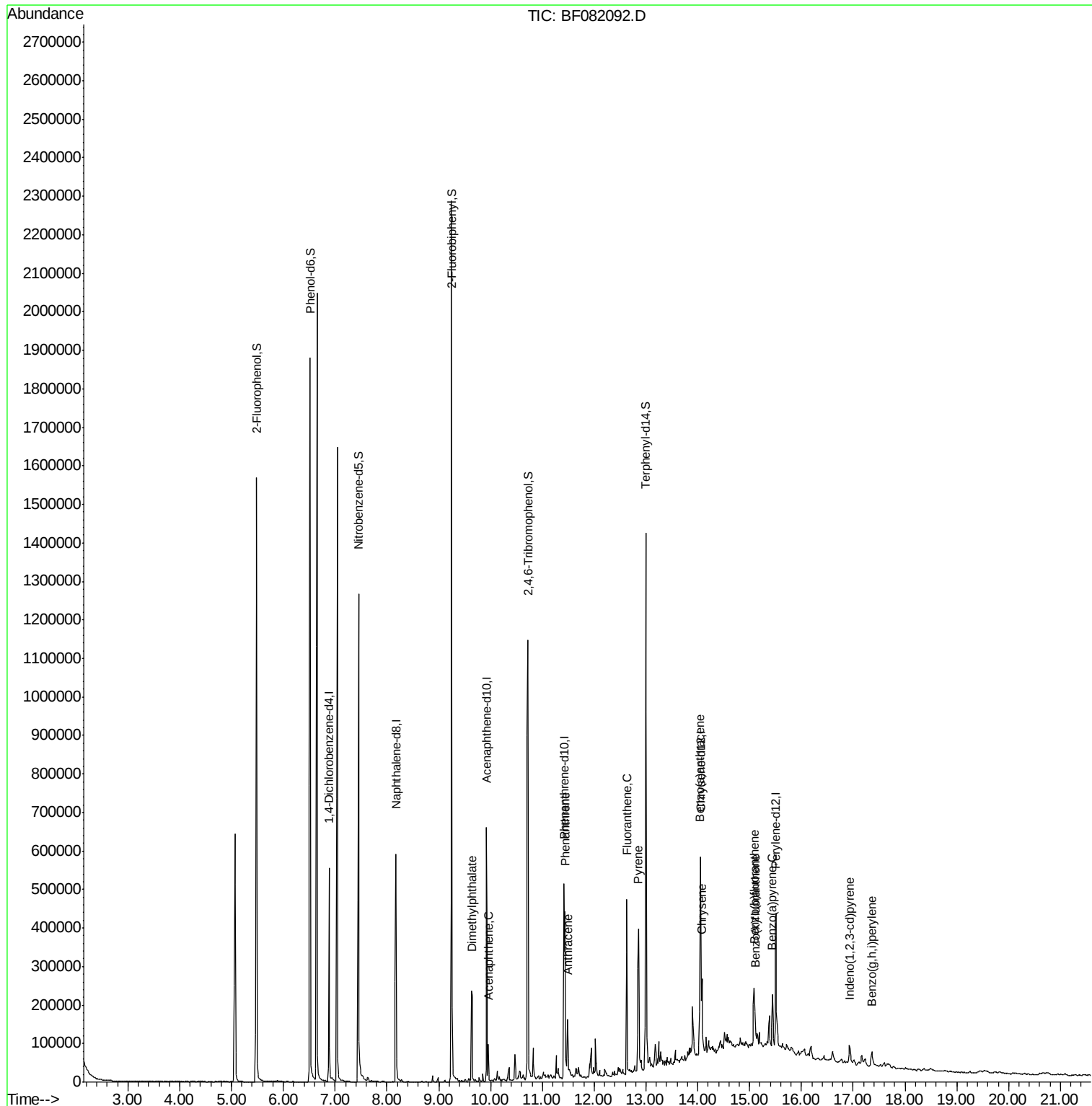
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082092.D
Acq On : 6 Oct 2015 19:11
Operator : UM/IZ
Sample : G3906-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

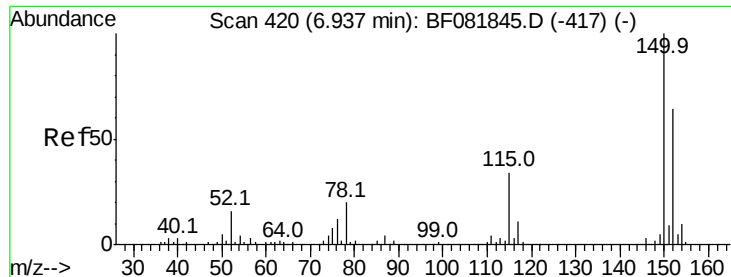
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)

Manual Integrations
APPROVED

mmdadoda
10/7/2015 4:52:54 PM

Quant Time: Oct 07 05:36:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 07 02:00:35 2015
Response via : Initial Calibration





#1

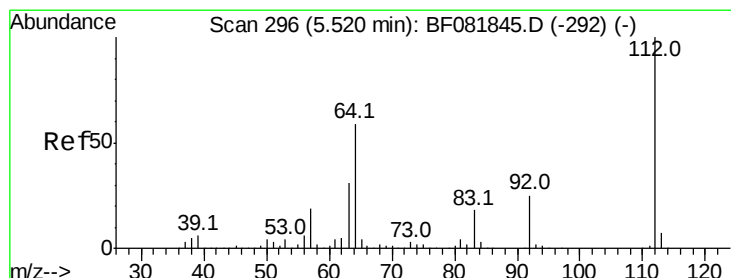
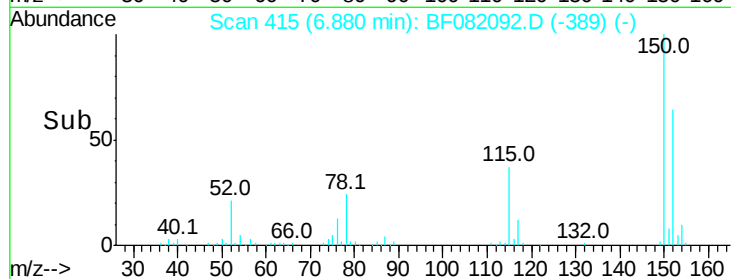
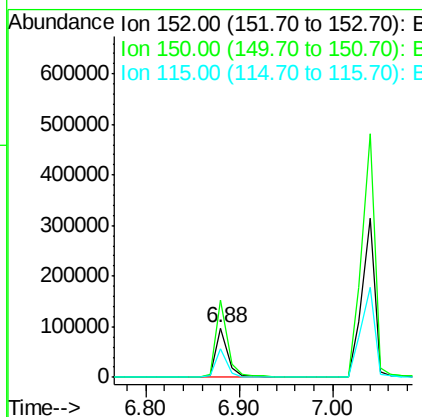
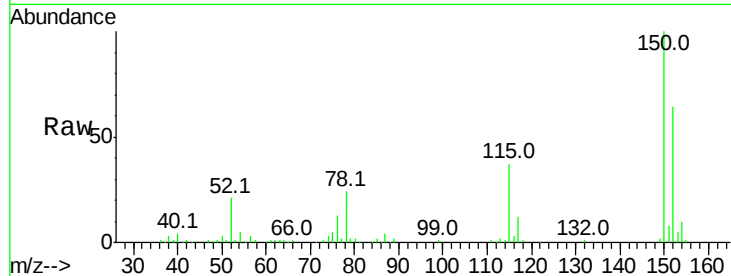
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.7	187.1
115	57.7	39.0	58.4

Manual Integrations
APPROVED

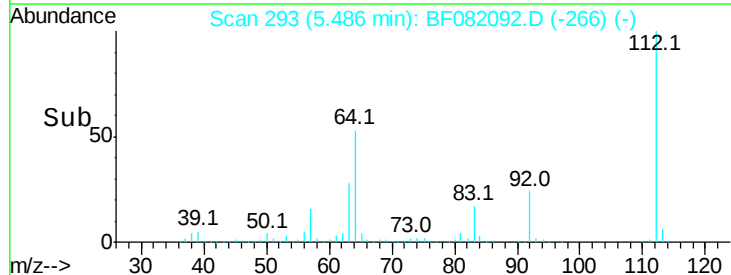
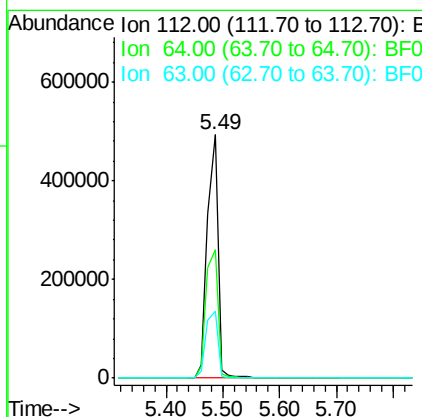
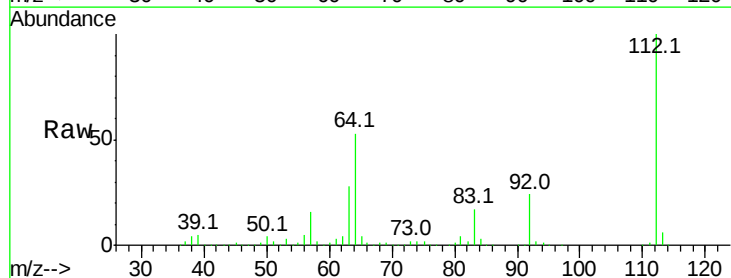
mmdadoda
10/7/2015 4:52:54 PM



#5

2-Fluorophenol
Concen: 124.08 ng
RT: 5.49 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	39.7	59.5
63	27.6	17.4	26.0





#7

Phenol-d6

Concen: 119.89 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Instrument :

BNA_F

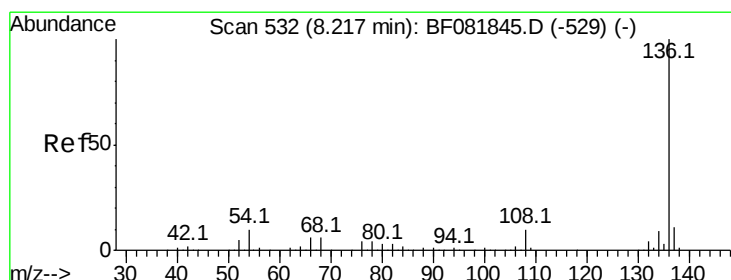
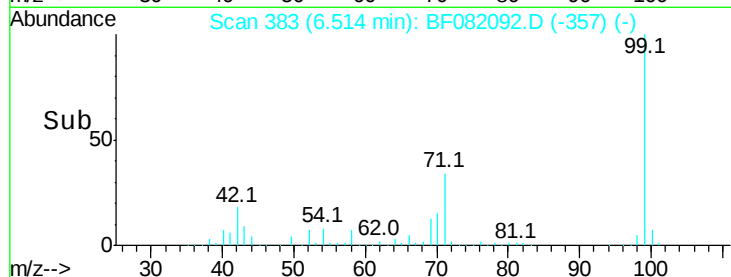
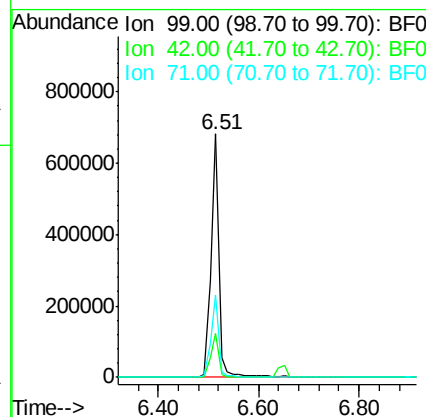
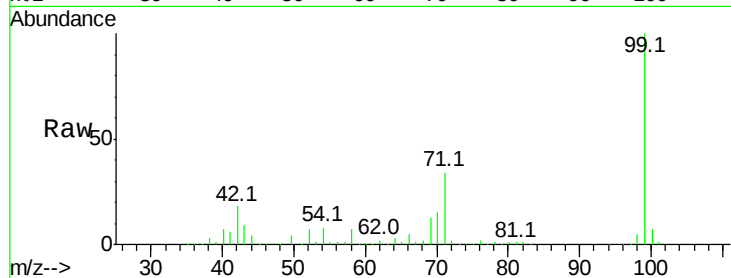
ClientSampleId :

IM-MLA-(1.5-02)

Tot Ion:	99	Resp:	752051
Ion Ratio	Lower	Upper	
99	100		
42	18.0	13.7	20.5
71	34.1	14.2	21.2#

Manual Integrations
APPROVED

mmdadoda
10/7/2015 4:52:54 PM



#21

Naphthalene-d8

Concen: 20.00 ng

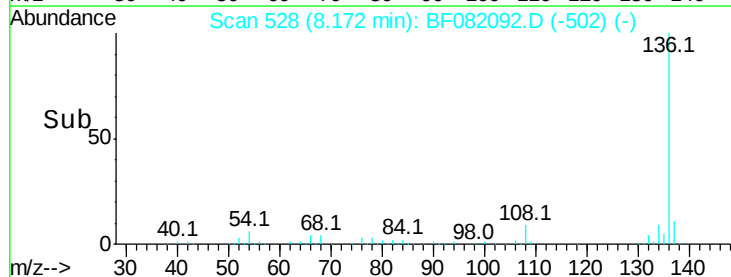
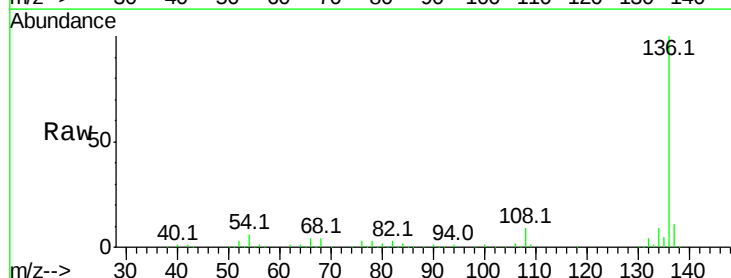
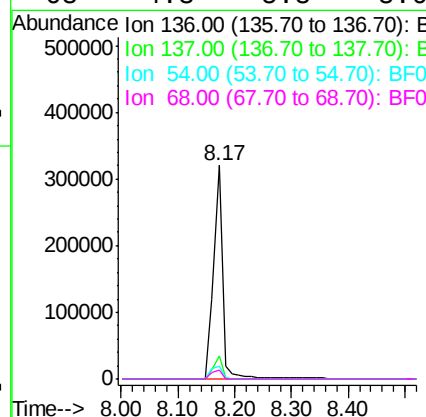
RT: 8.17 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Tgt Ion:	136	Resp:	344153
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.0	13.6
54	6.1	8.2	12.2#
68	4.3	5.8	8.6#





#23

Nitrobenzene-d5

Concen: 96.46 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Instrument :

BNA_F

ClientSampleId :

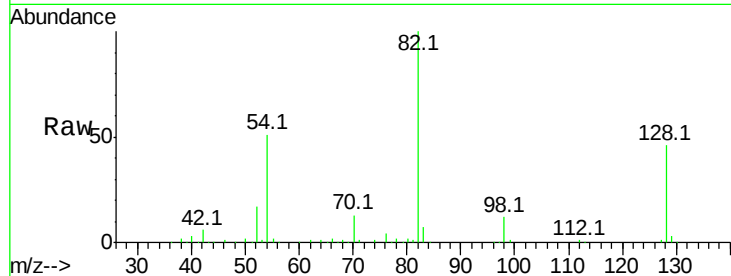
IM-MLA-(1.5-02)

Tot Ion: 82 Resp: 497996
Ion Ratio Lower Upper

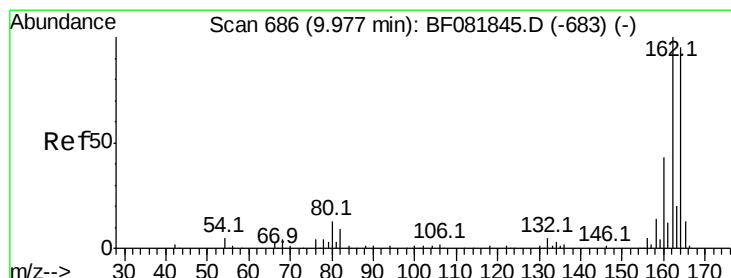
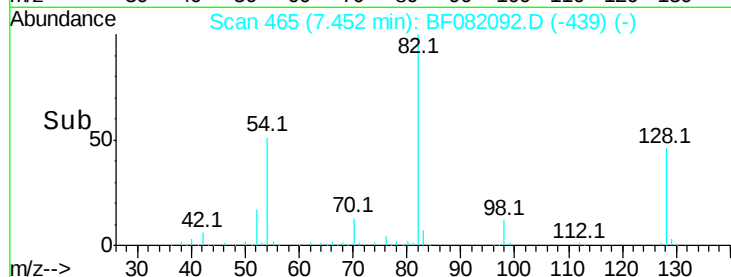
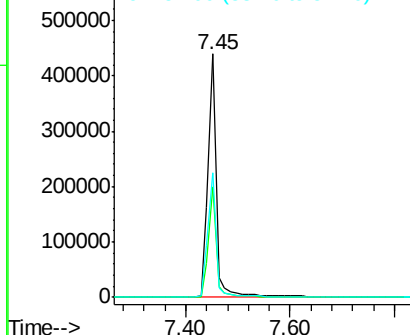
82	100		
128	45.5	51.0	76.6#
54	50.9	47.5	71.3

Manual Integrations
APPROVED

mmdadoda
10/7/2015 4:52:54 PM



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 681

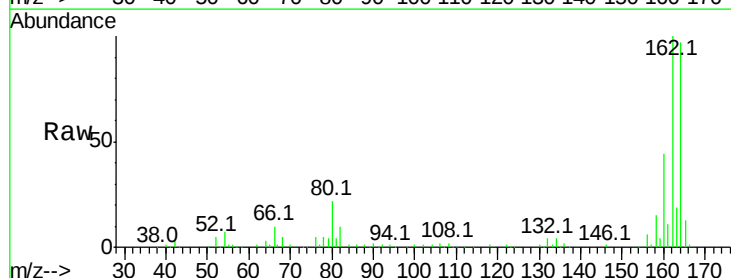
Delta R.T. -0.01 min

Lab File: BF082092.D

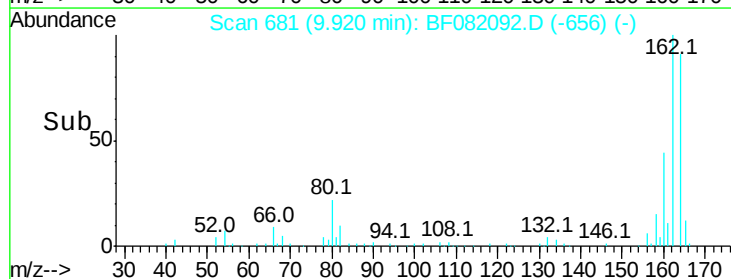
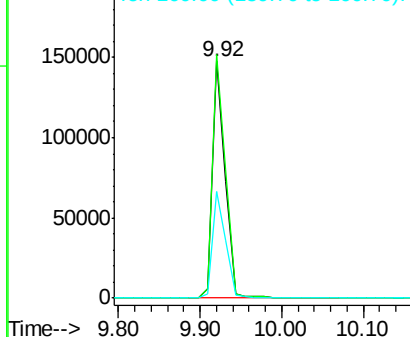
Acq: 6 Oct 2015 19:11

Tgt Ion:164 Resp: 160444
Ion Ratio Lower Upper

164	100		
162	102.9	75.2	112.8
160	45.3	31.5	47.3



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





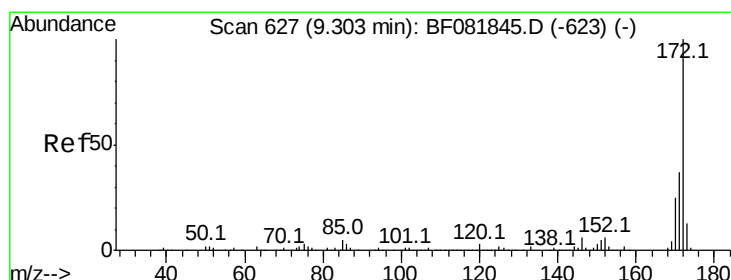
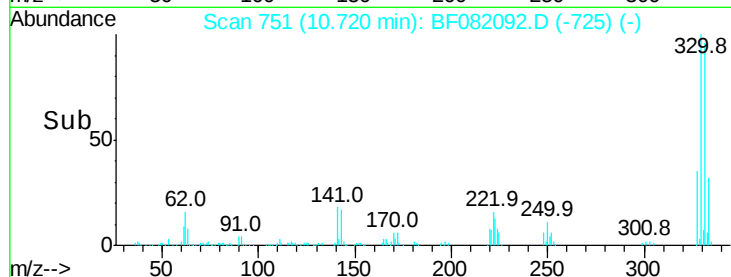
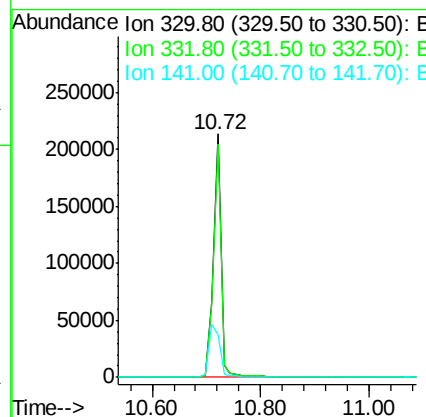
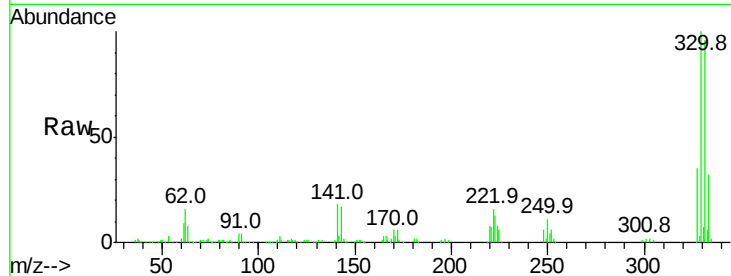
#41
 2,4,6-Tribromophenol
 Concen: 131.39 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082092.D
 Acq: 6 Oct 2015 19:11

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	213496		
332	96.1	76.6	114.8	
141	30.3	29.7	44.5	

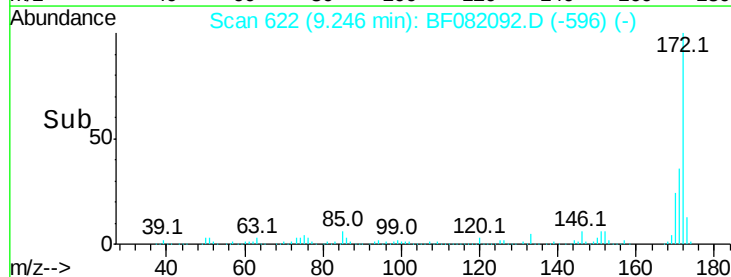
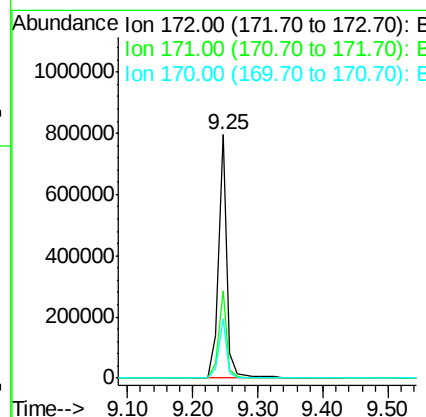
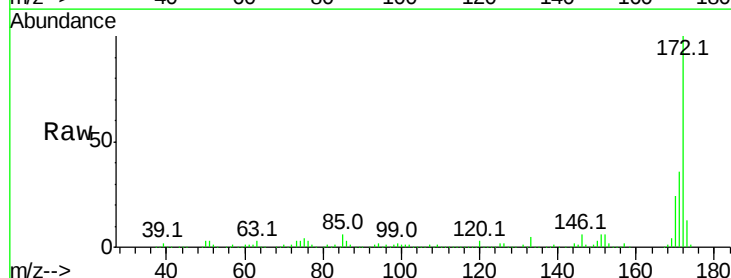
Manual Integrations
 APPROVED

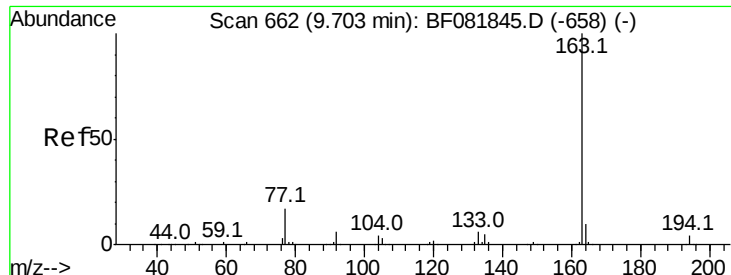
mmdadoda
 10/7/2015 4:52:54 PM



#44
 2-Fluorobiphenyl
 Concen: 75.76 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082092.D
 Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	741907		
171	35.9	26.1	39.1	
170	24.3	17.4	26.2	





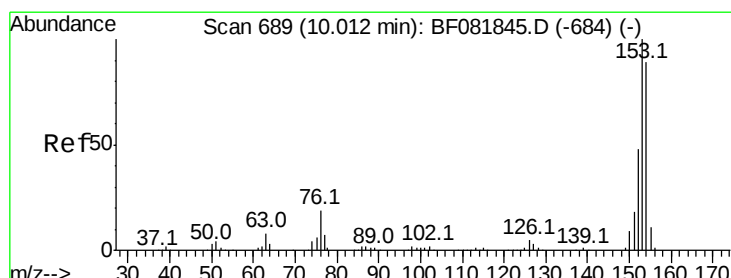
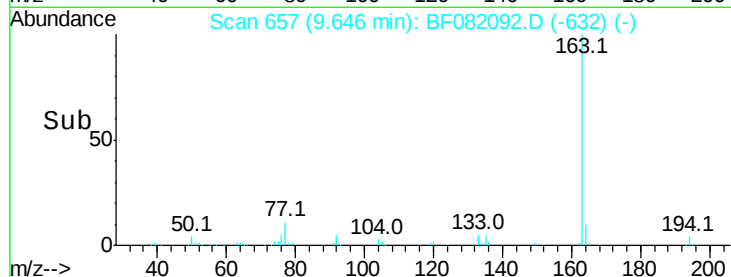
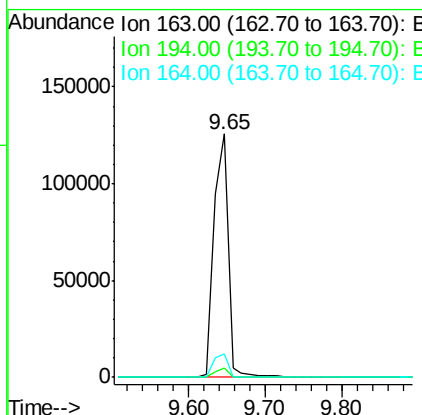
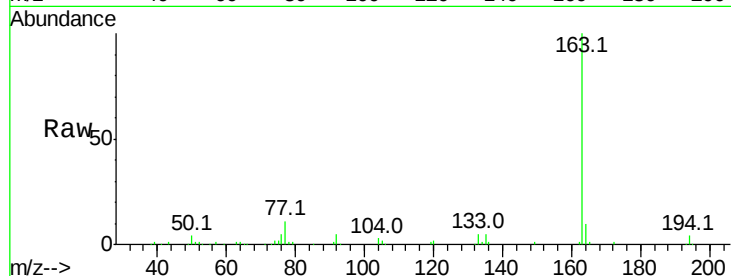
#49
Dimethylphthalate
Concen: 14.60 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	161670		
194	4.1	4.4	6.6#	
164	9.6	8.3	12.5	

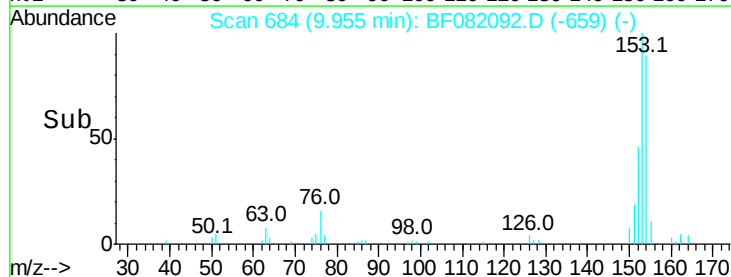
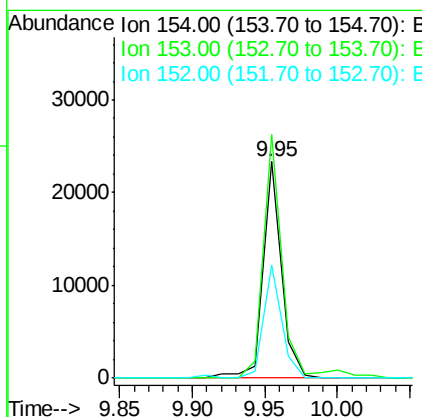
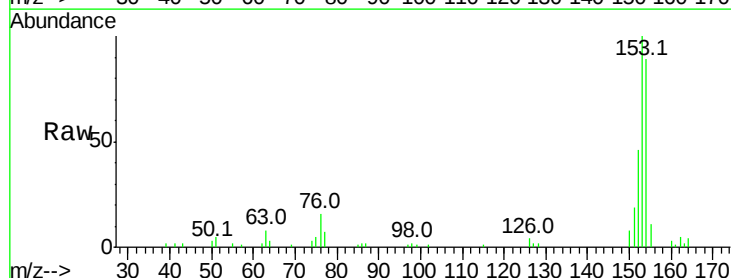
Manual Integrations
APPROVED

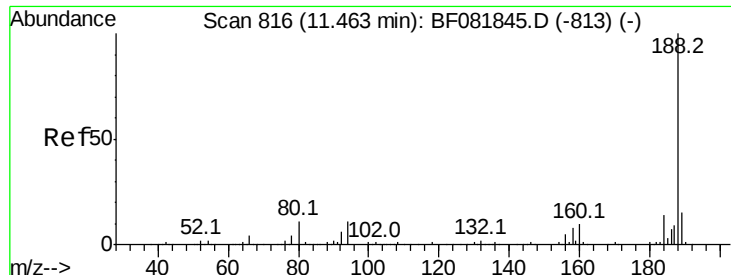
mmdadoda
10/7/2015 4:52:54 PM



#51
Acenaphthene
Concen: 2.21 ng
RT: 9.95 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20425		
153	112.4	82.1	123.1	
152	52.0	37.9	56.9	





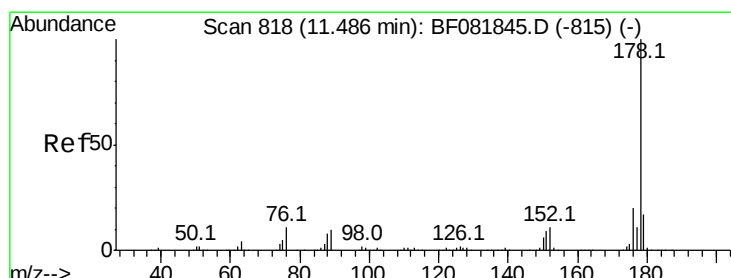
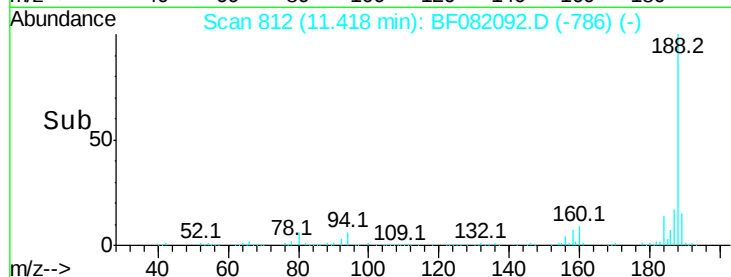
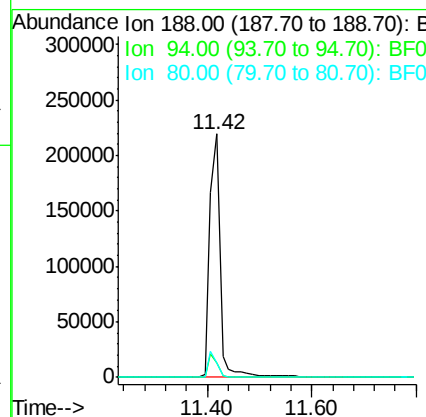
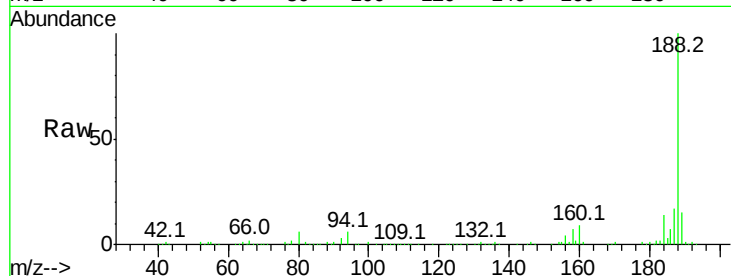
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	5.8	11.1	16.7#	
80	6.1	11.0	16.4#	

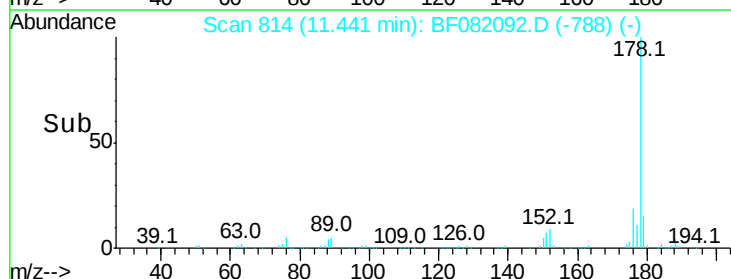
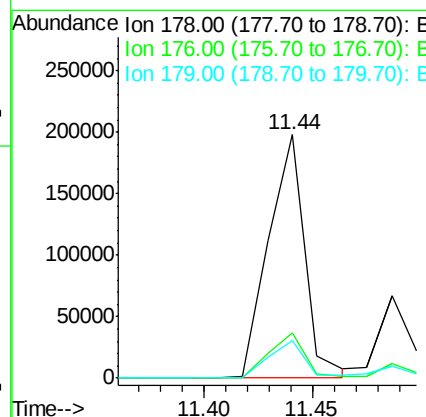
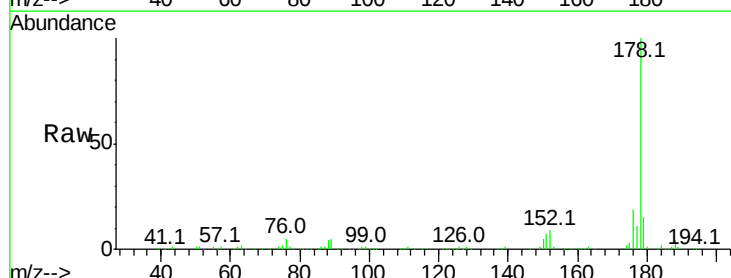
Manual Integrations
APPROVED

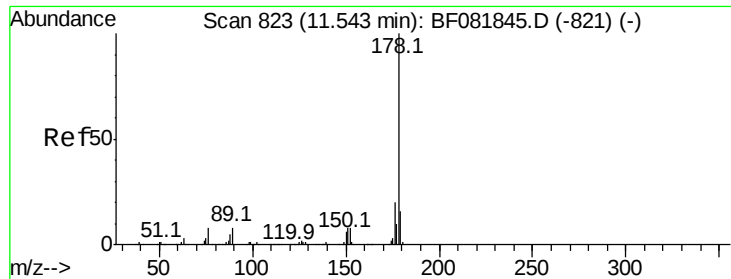
mmdadoda
10/7/2015 4:52:54 PM



#70
Phenanthrene
Concen: 14.61 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.8	13.8	20.8	
179	15.2	12.2	18.2	





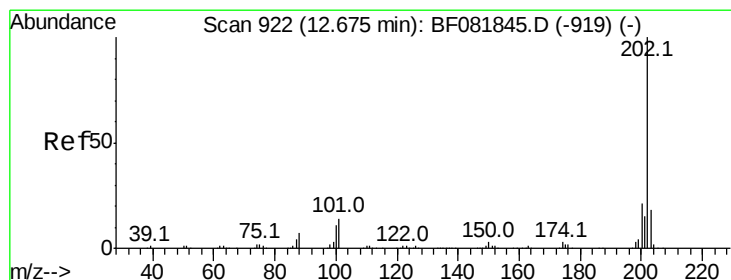
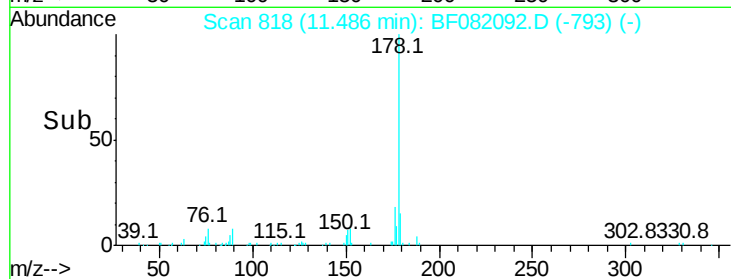
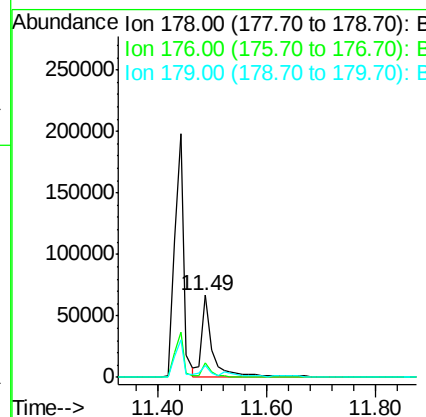
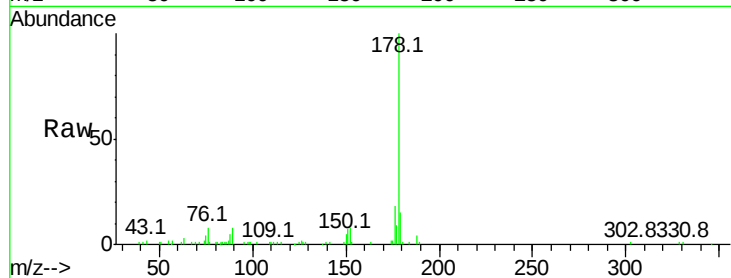
#71
 Anthracene
 Concen: 5.88 ng
 RT: 11.49 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF082092.D
 Acq: 6 Oct 2015 19:11

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.1	21.1
179	15.2	12.2	18.2

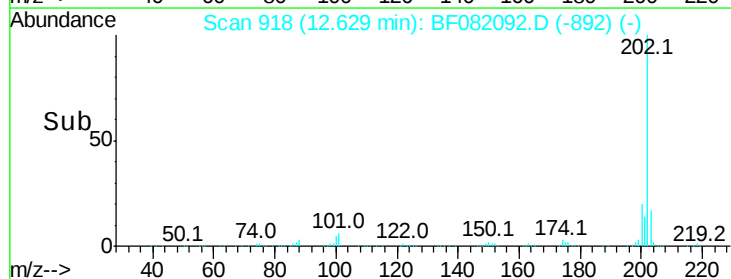
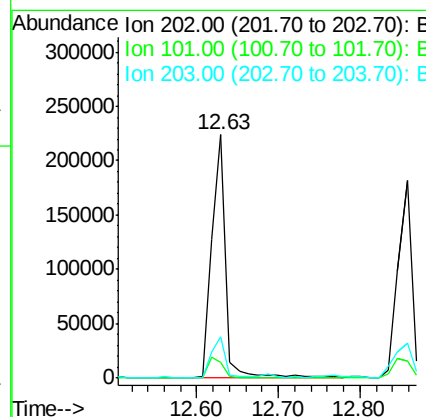
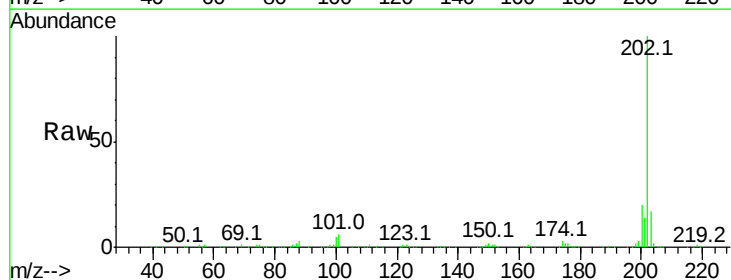
Manual Integrations
 APPROVED

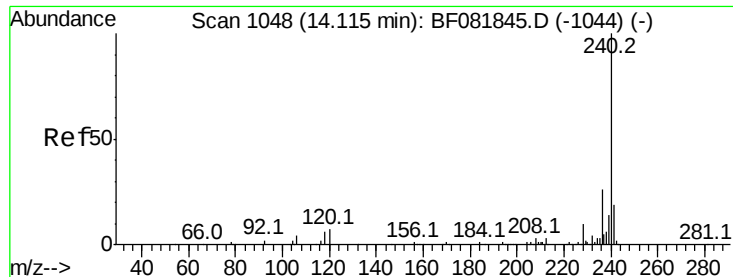
mmdadoda
 10/7/2015 4:52:54 PM



#74
 Fluoranthene
 Concen: 16.71 ng
 RT: 12.63 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: BF082092.D
 Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	38.3
203	17.2	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Instrument :

BNA_F

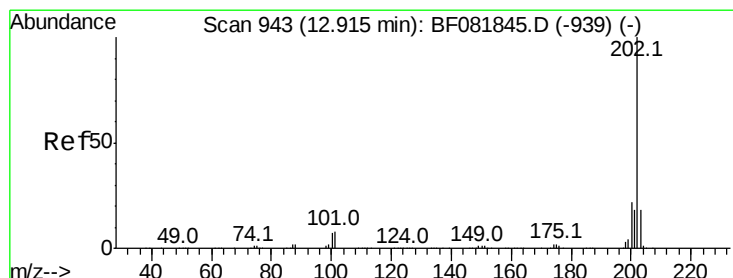
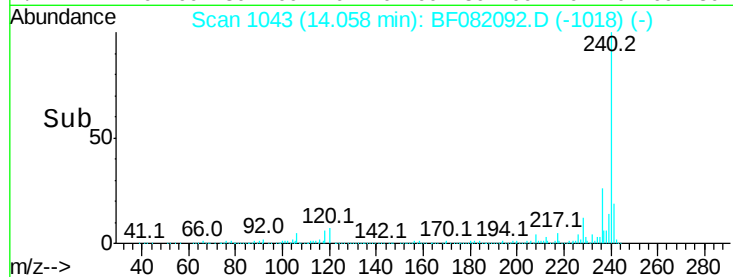
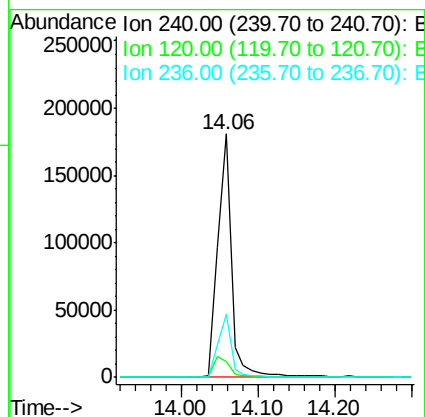
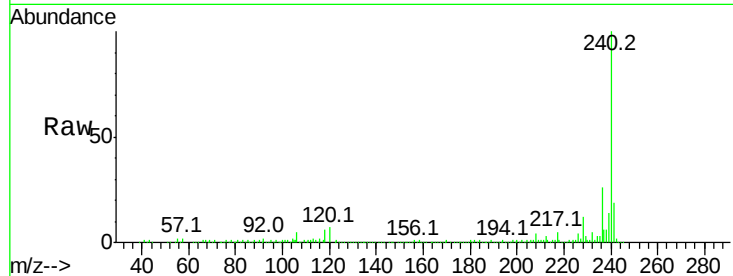
ClientSampleId :

IM-MLA-(1.5-02)

Tot Ion:	240	Resp:	226696
Ion Ratio	Lower	Upper	
240	100		
120	6.7	16.2	24.2#
236	26.1	18.4	27.6

Manual Integrations
APPROVED

mmdadoda
10/7/2015 4:52:54 PM



#77

Pyrene

Concen: 15.92 ng

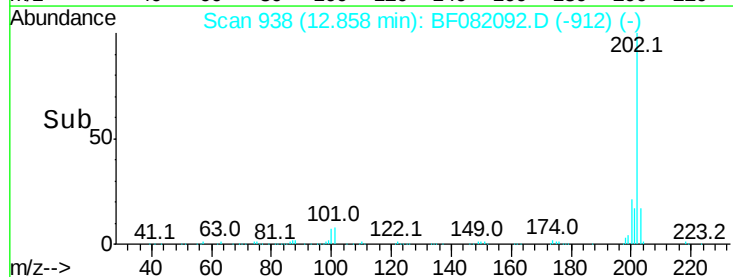
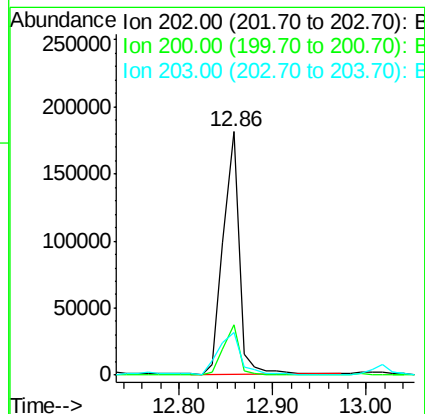
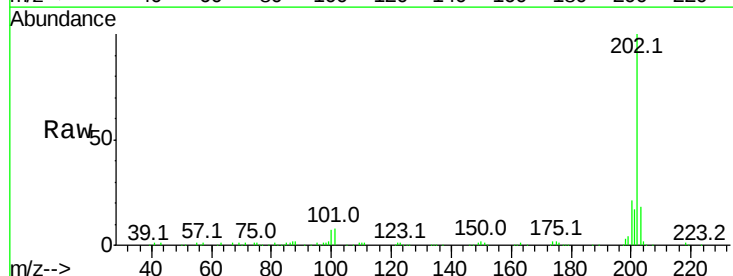
RT: 12.86 min Scan# 938

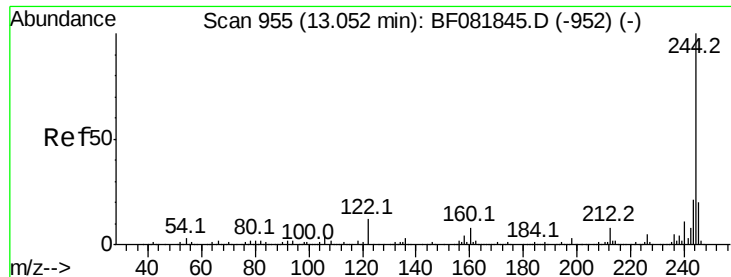
Delta R.T. -0.00 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Tgt Ion:	202	Resp:	215665
Ion Ratio	Lower	Upper	
202	100		
200	20.9	15.0	22.4
203	17.5	14.1	21.1





#78

Terphenyl-d14

Concen: 90.52 ng

RT: 13.00 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-02)

Tot Ion:244 Resp: 624017
Ion Ratio Lower Upper

244 100

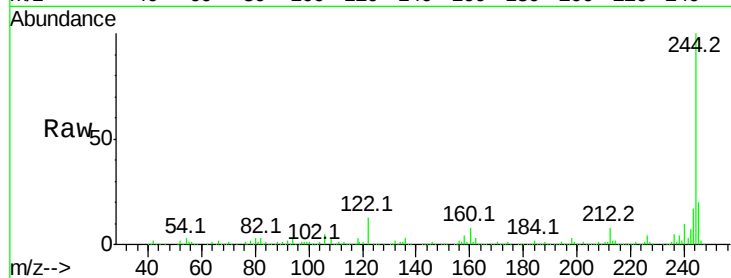
212 7.7 4.3 6.5#

122 13.4 17.4 26.2#

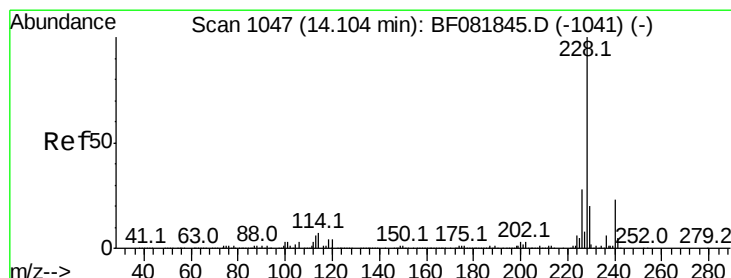
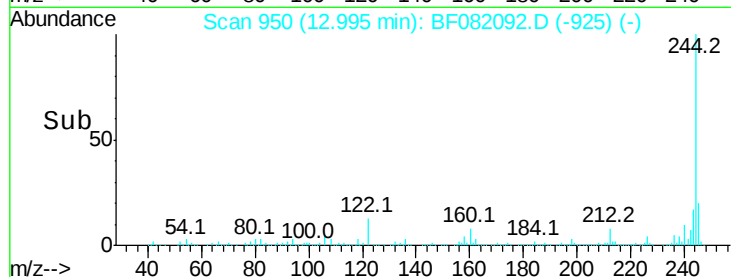
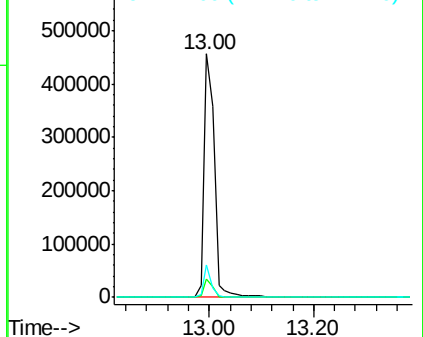
Manual Integrations
APPROVED

mmdadoda

10/7/2015 4:52:54 PM



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: 8.28 ng m

RT: 14.05 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082092.D

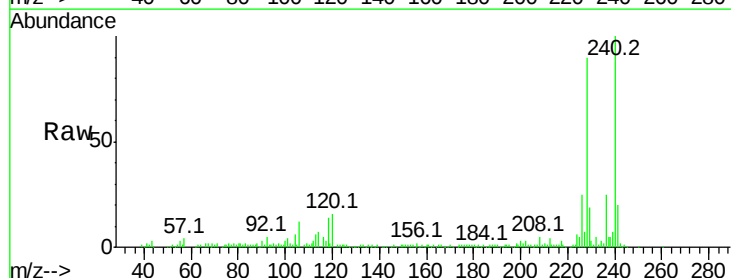
Acq: 6 Oct 2015 19:11

Tgt Ion:228 Resp: 101059
Ion Ratio Lower Upper

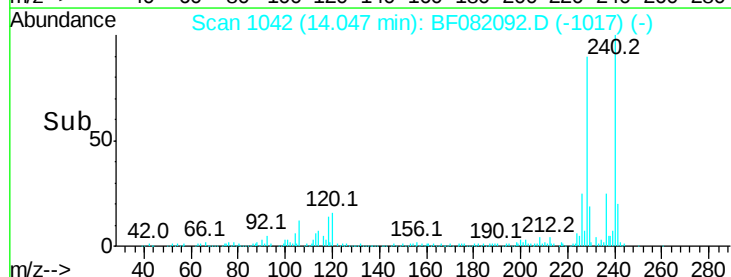
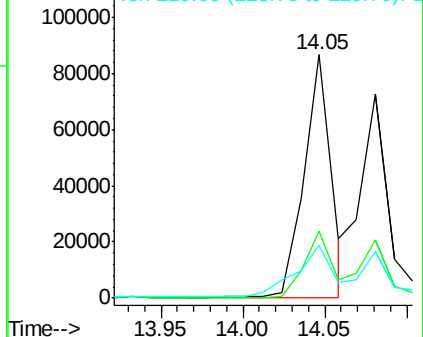
228 100

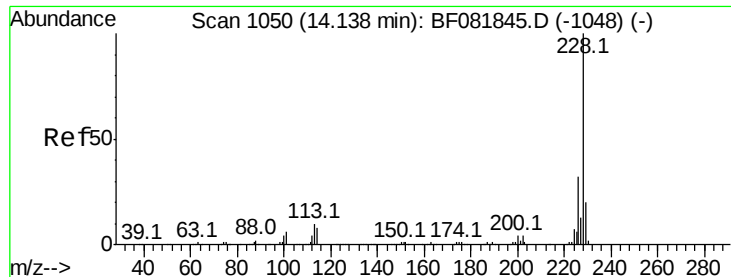
226 27.5 20.0 30.0

229 21.7 15.4 23.2



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





#82

Chrysene

Concen: 6.47 ng m

RT: 14.08 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Instrument :

BNA_F

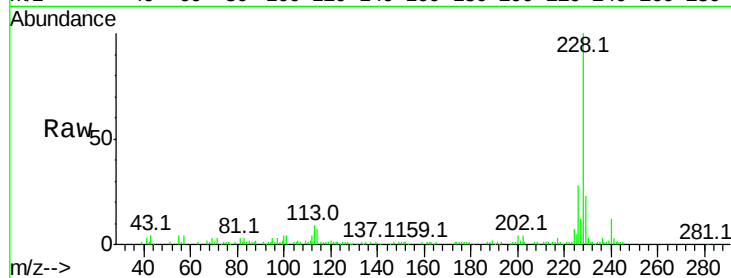
ClientSampleId :

IM-MLA-(1.5-02)

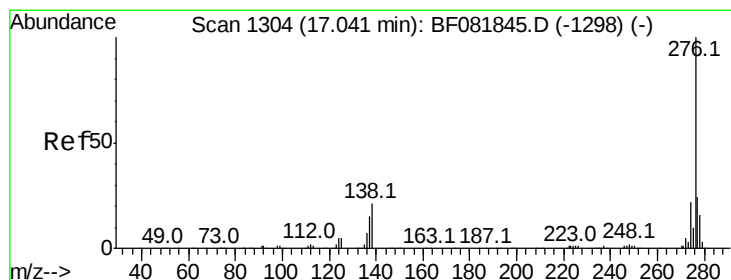
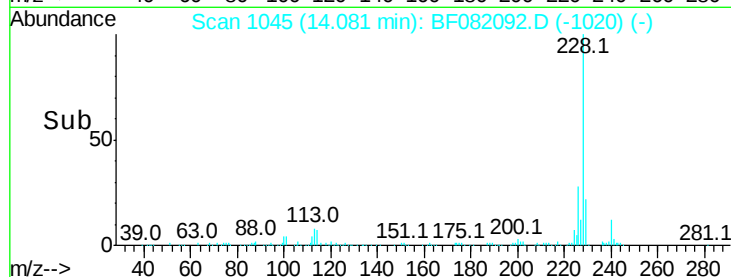
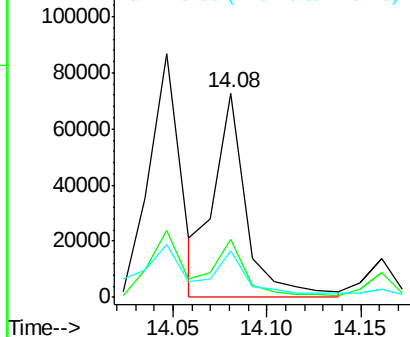
Tot Ion:	228	Resp:	88105
Ion Ratio		Lower	Upper
228	100		
226	28.4	21.0	31.4
229	22.7	15.6	23.4

Manual Integrations
APPROVED

mmdadoda
10/7/2015 4:52:54 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: 4.26 ng m

RT: 16.93 min Scan# 1294

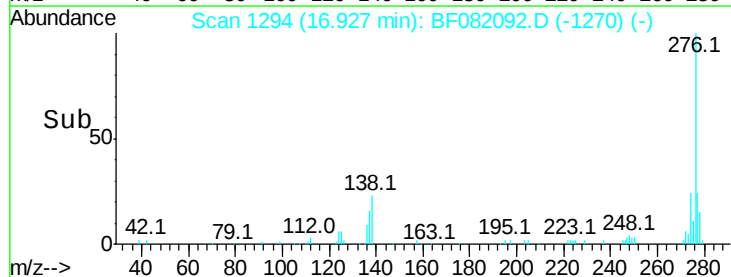
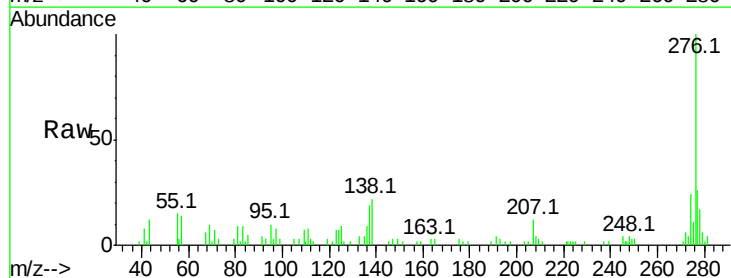
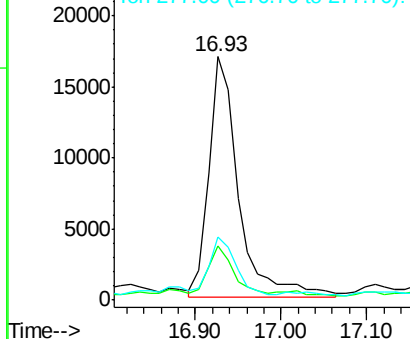
Delta R.T. -0.02 min

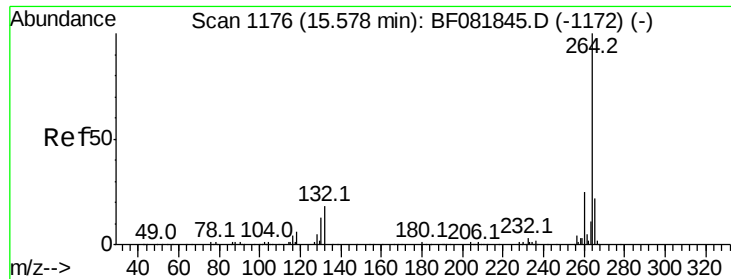
Lab File: BF082092.D

Acq: 6 Oct 2015 19:11

Tgt Ion:	276	Resp:	40727
Ion Ratio		Lower	Upper
276	100		
138	16.6	25.7	38.5#
277	30.1	15.6	23.4#

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





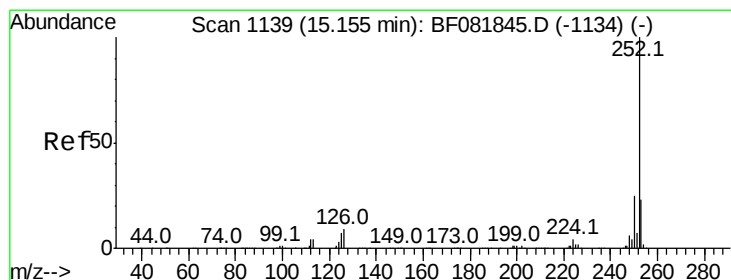
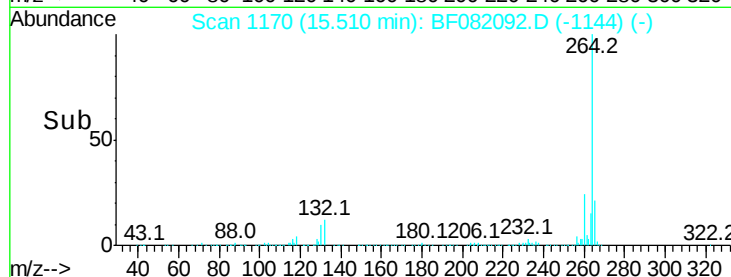
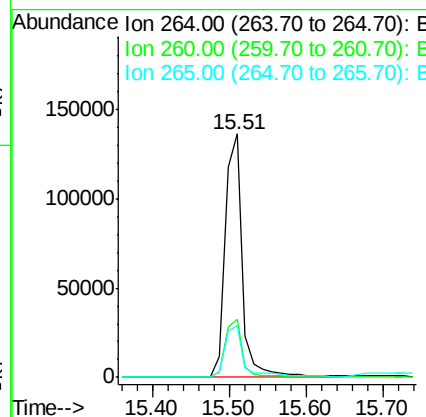
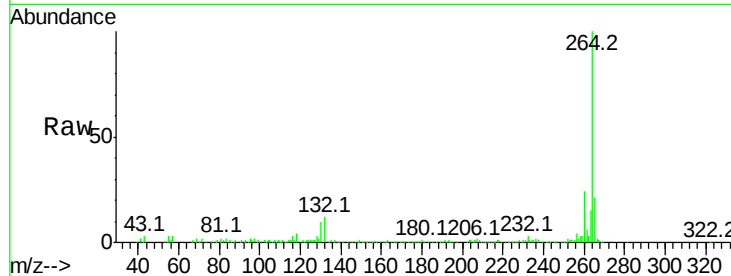
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	16.7	25.1	
265	21.4	17.2	25.8	

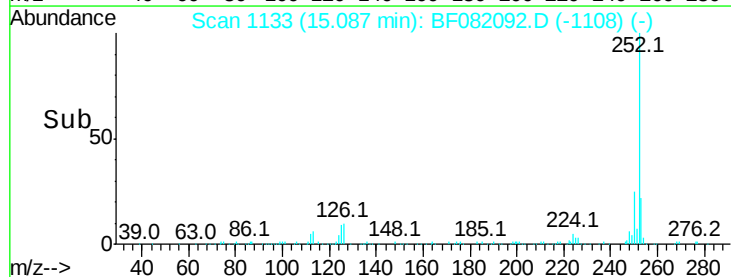
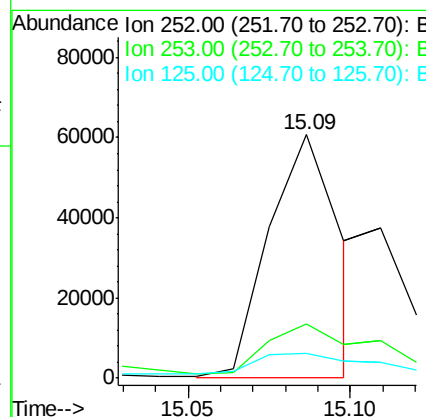
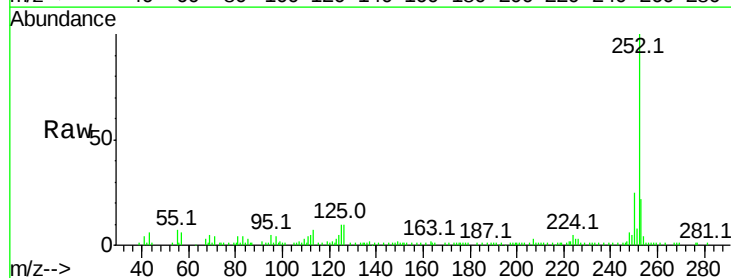
Manual Integrations
APPROVED

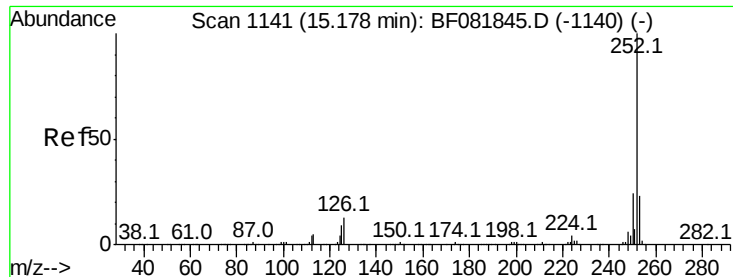
mmdadoda
10/7/2015 4:52:54 PM



#87
Benzo(b)fluoranthene
Concen: 7.54 ng m
RT: 15.09 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	17.5	26.3	
125	10.4	17.1	25.7#	





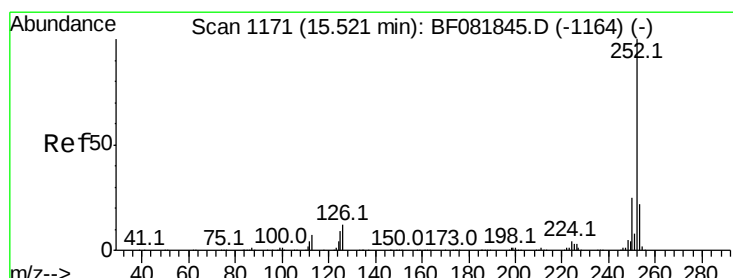
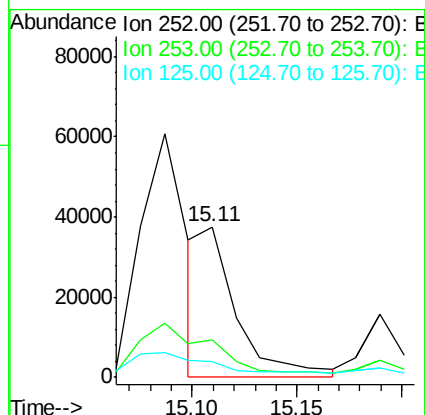
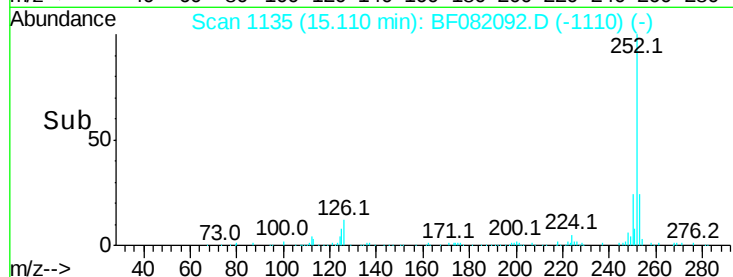
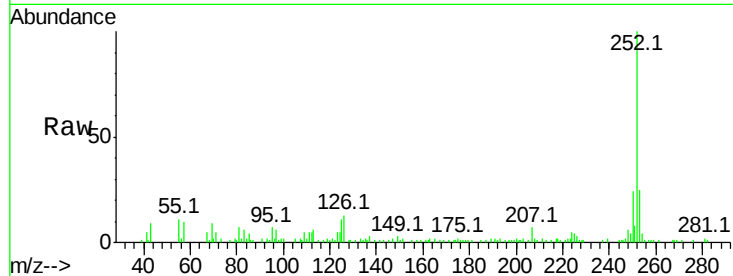
#88
Benzo(k)fluoranthene
Concen: 3.96 ng m
RT: 15.11 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.4
125	10.7	16.0	24.0

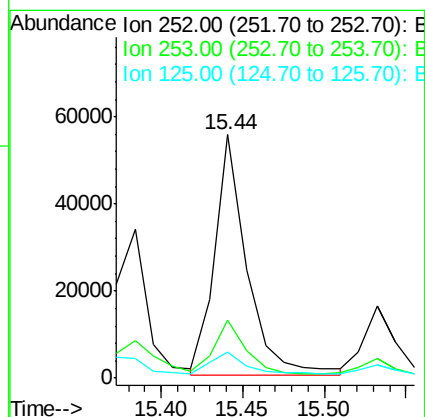
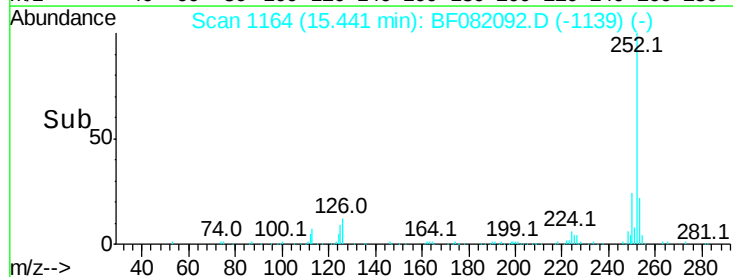
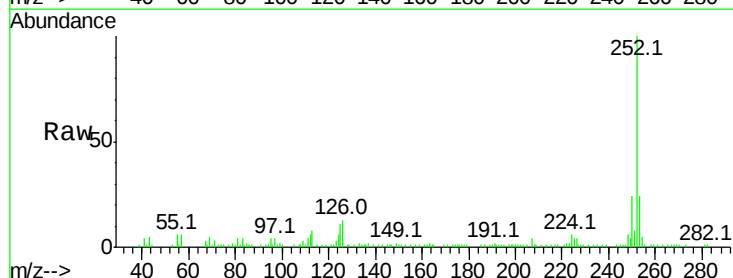
Manual Integrations
APPROVED

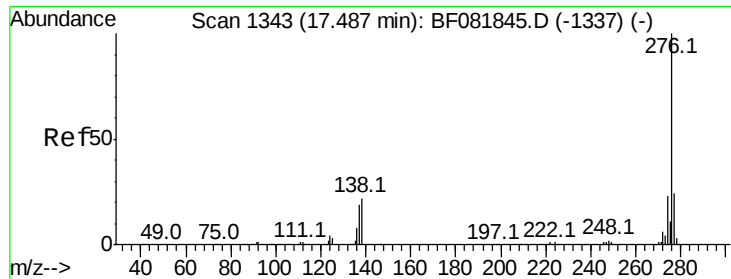
mmdadoda
10/7/2015 4:52:54 PM



#89
Benzo(a)pyrene
Concen: 7.17 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF082092.D
Acq: 6 Oct 2015 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	10.6	18.0	27.0





#91
 Benzo(a,h,i)perylene
 Concen: 4.12 ng
 RT: 17.36 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BF082092.D
 Acq: 6 Oct 2015 19:11

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.8	26.6
138	19.6	34.6	51.8#

Manual Integrations
 APPROVED

mmdadoda
 10/7/2015 4:52:54 PM

