

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082376.D
 Acq On : 20 Oct 2015 2:10
 Operator : UM/IZ
 Sample : G4040-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:25:55 PM

Quant Time: Oct 20 03:34:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 03:15:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98001	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	382888	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	184857	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	359182	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	258841	20.00	ng	-0.01
86) Perylene-d12	15.51	264	225248	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	553129	113.91	ng	0.01
7) Phenol-d6	6.45	99	748690	118.48	ng	-0.01
23) Nitrobenzene-d5	7.37	82	439789	77.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	157409	90.80	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	888324	79.69	ng	0.00
78) Terphenyl-d14	12.93	244	787834	80.66	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	200195	15.38	ng	99
70) Phenanthrene	11.36	178	97177	5.52	ng	97
74) Fluoranthene	12.55	202	116970	6.19	ng	99
77) Pyrene	12.78	202	109408	7.12	ng	98
80) Benzo(a)anthracene	14.00	228	46404m	3.45	ng	
82) Chrysene	14.04	228	39051m	2.75	ng	
87) Benzo(b)fluoranthene	15.09	252	33628m	2.45	ng	
89) Benzo(a)pyrene	15.44	252	29684	2.52	ng	# 88
91) Benzo(g,h,i)perylene	17.35	276	20446	2.18	ng	# 92

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

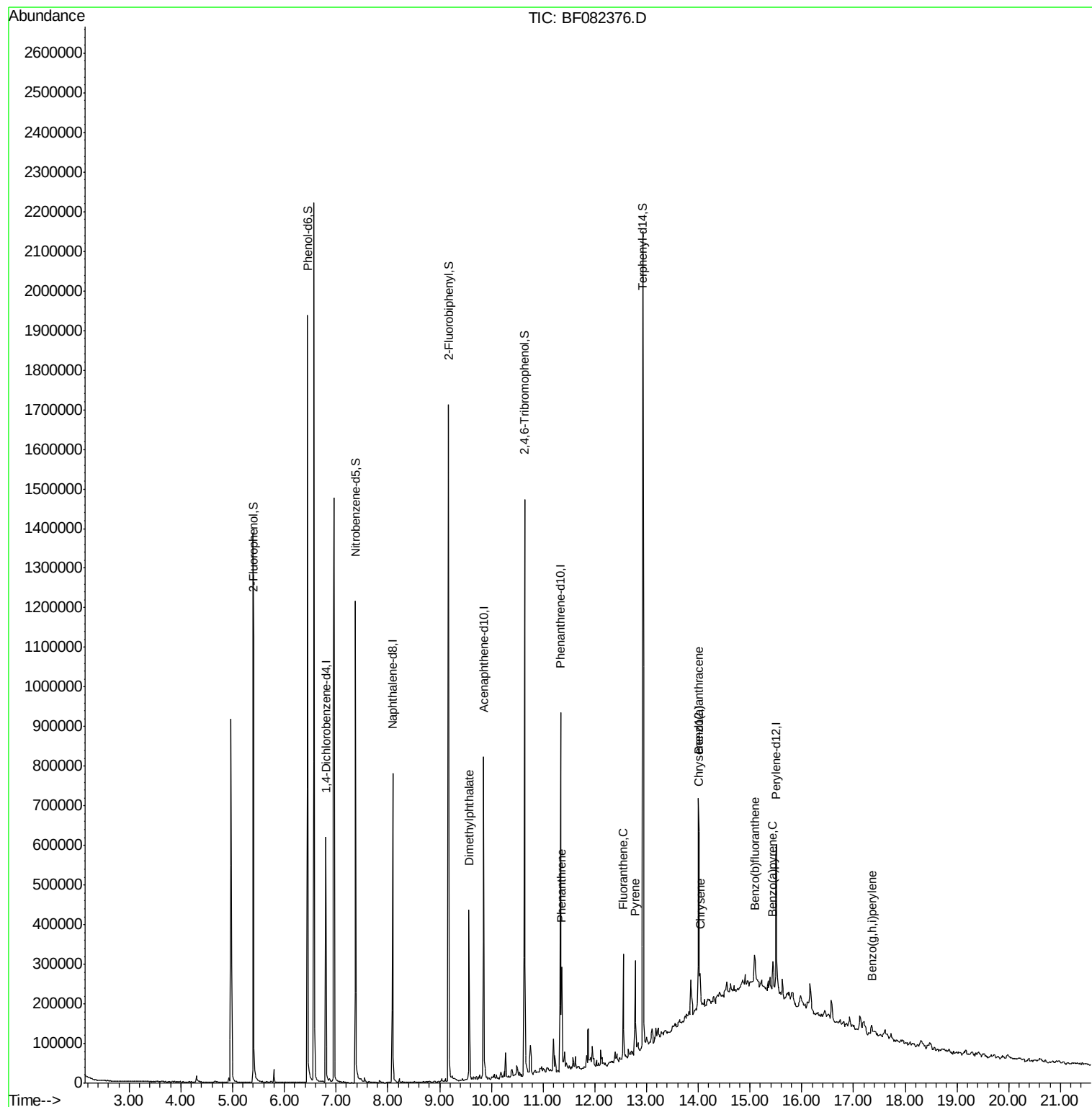
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082376.D
Acq On : 20 Oct 2015 2:10
Operator : UM/IZ
Sample : G4040-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

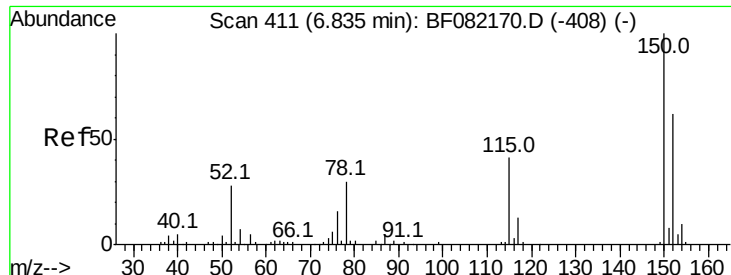
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:25:55 PM

Quant Time: Oct 20 03:34:14 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 20 03:15:01 2015
Response via : Initial Calibration





#1

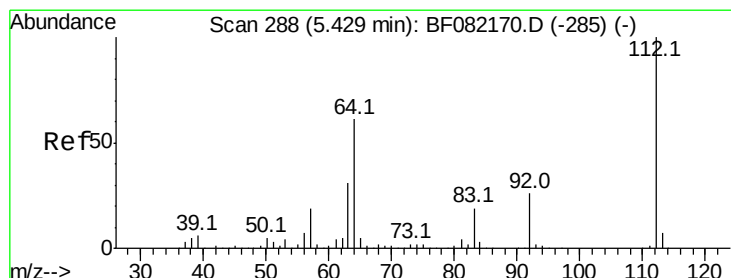
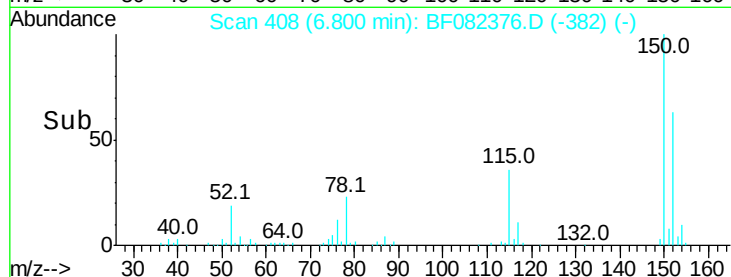
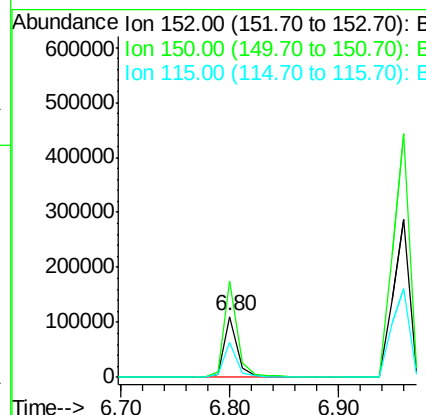
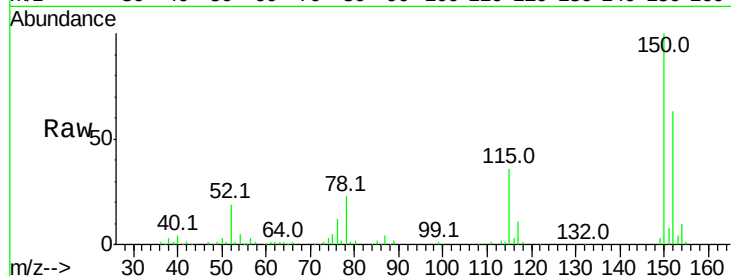
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	129.0	193.4
115	56.8	52.1	78.1

Manual Integrations
APPROVED

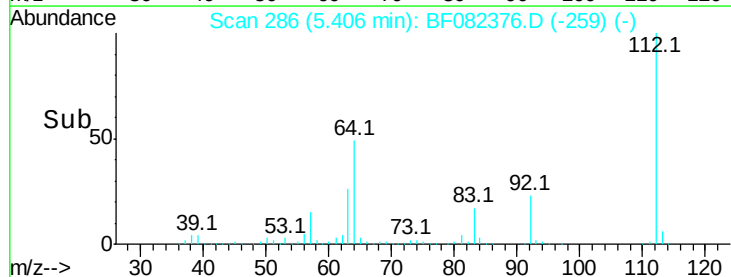
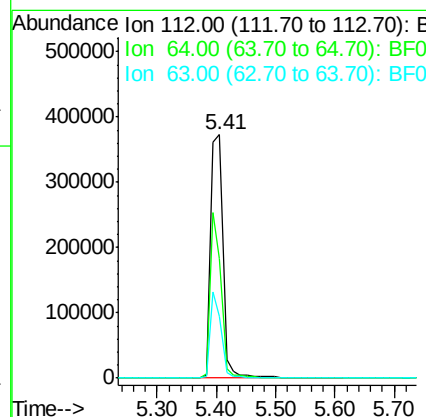
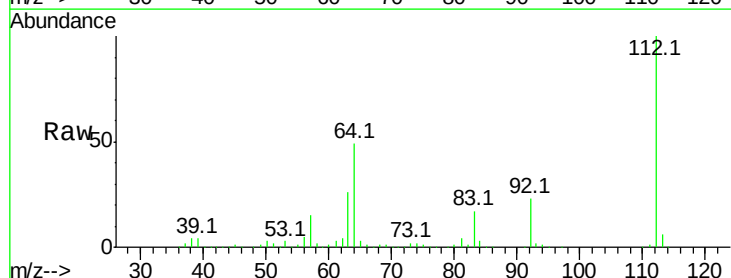
MMdadoda
10/20/2015 6:25:55 PM

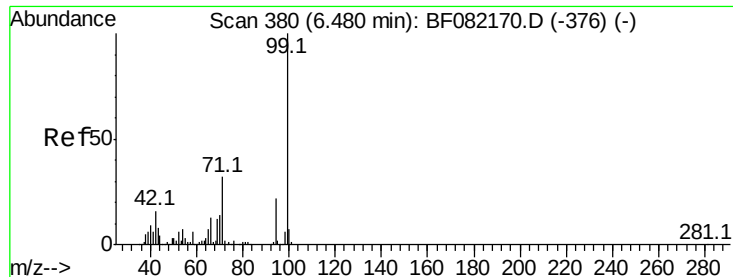


#5

2-Fluorophenol
Concen: 113.91 ng
RT: 5.41 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.9	48.6	73.0
63	25.6	25.1	37.7





#7

Phenol-d6

Concen: 118.48 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

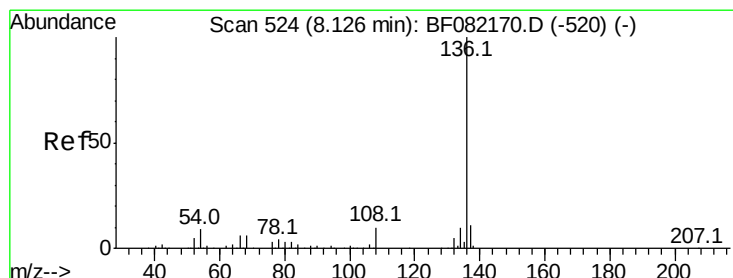
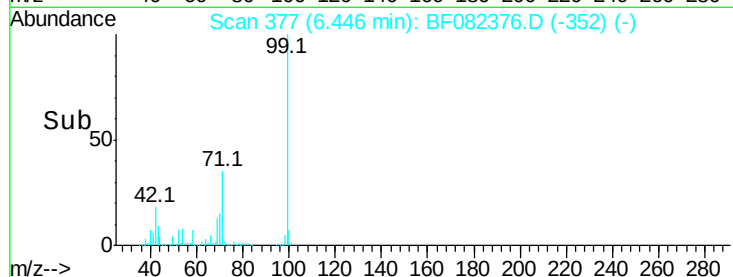
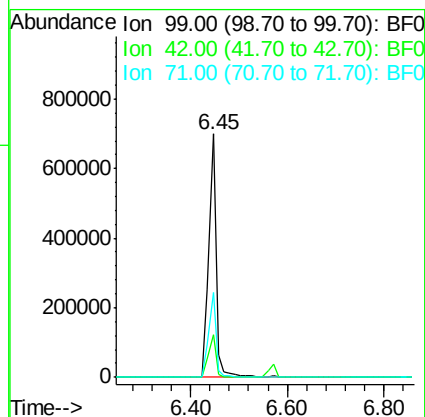
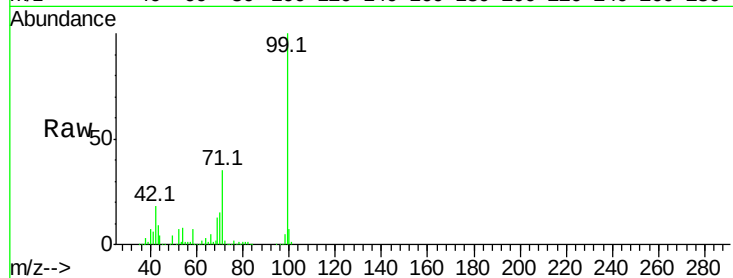
ClientSampleId :

IM-MLA-2.5-03

Tot Ion:	99	Resp:	748690
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.2	19.8
71	34.8	25.6	38.4

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:25:55 PM



#21

Naphthalene-d8

Concen: 20.00 ng

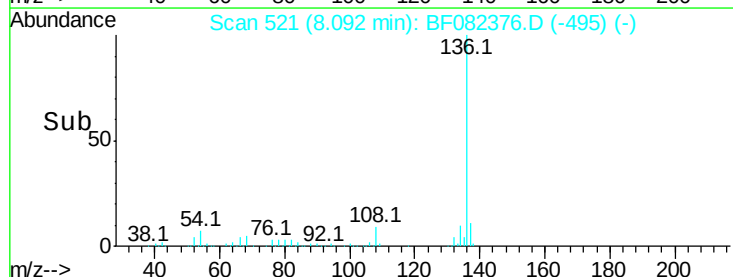
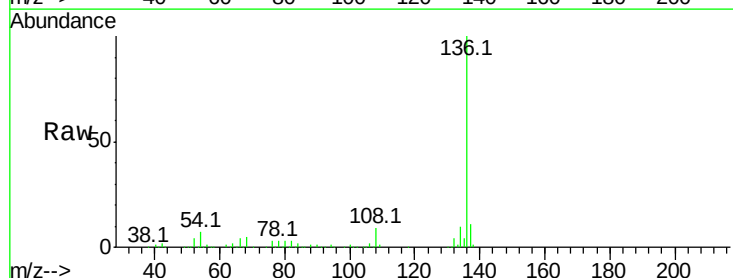
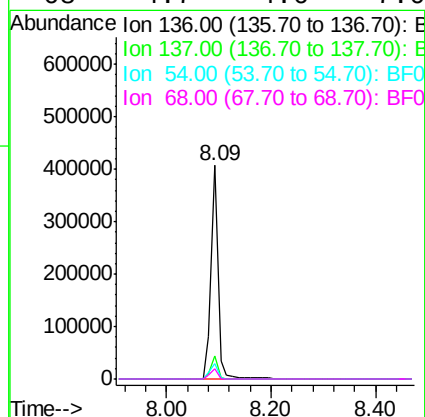
RT: 8.09 min Scan# 521

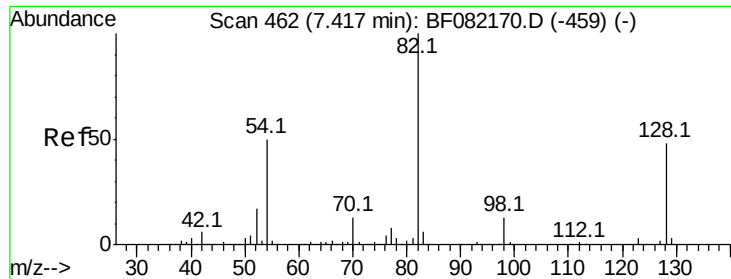
Delta R.T. 0.00 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Tgt Ion:	136	Resp:	382888
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.6
54	7.1	7.5	11.3#
68	4.7	4.6	7.0





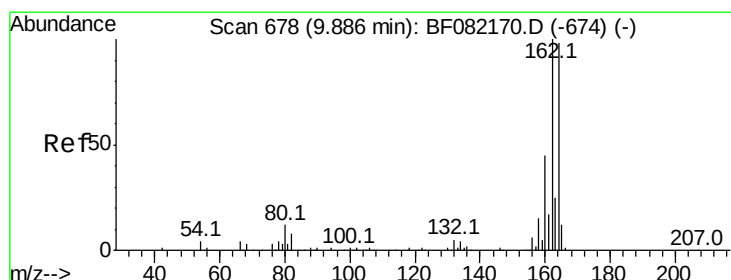
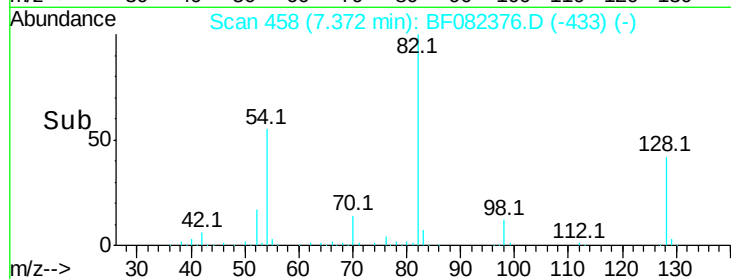
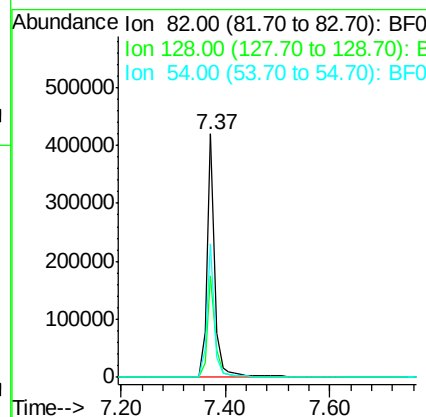
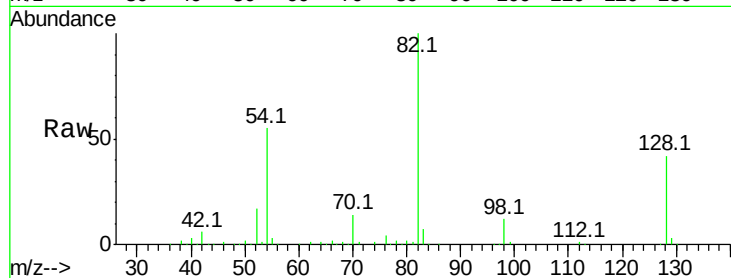
#23
 Nitrobenzene-d5
 Concen: 77.13 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Tot Ion	Ratio	Resp	Lower	Upper
82	100	439789		
128	41.9	38.7	58.1	
54	54.7	40.1	60.1	

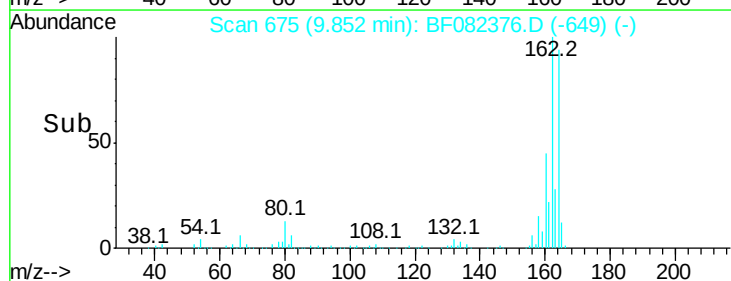
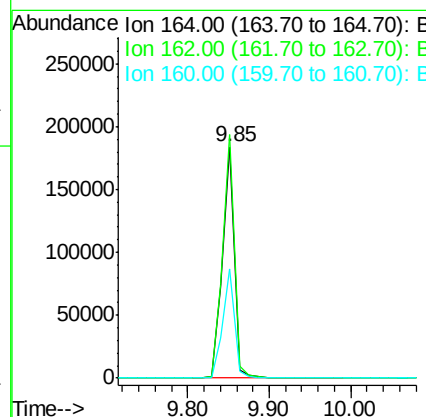
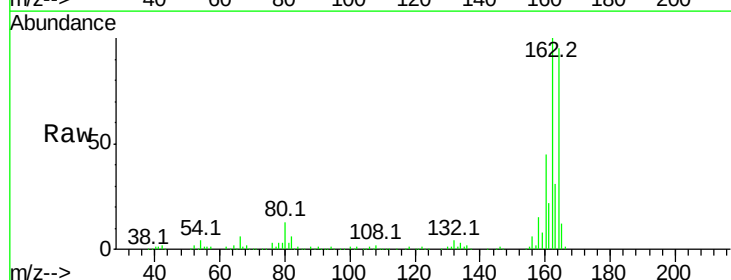
Manual Integrations
 APPROVED

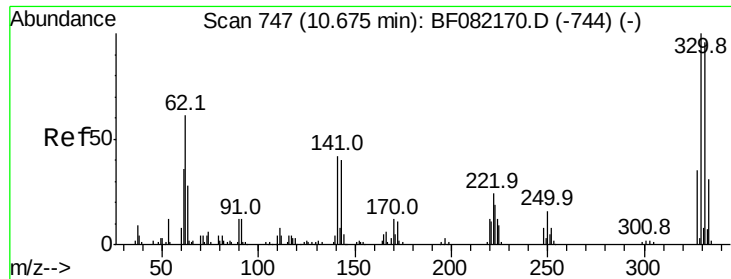
MMdadoda
 10/20/2015 6:25:55 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	184857		
162	105.5	81.6	122.4	
160	47.0	36.4	54.6	





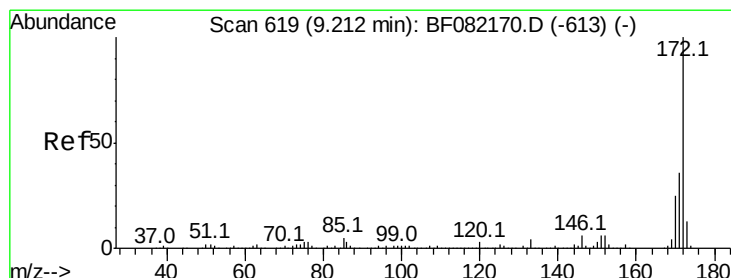
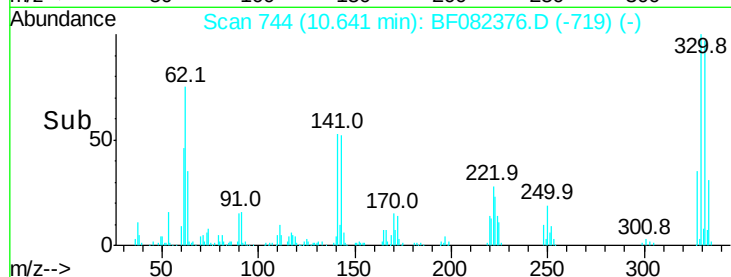
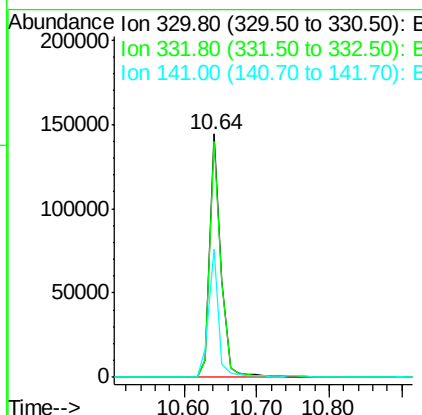
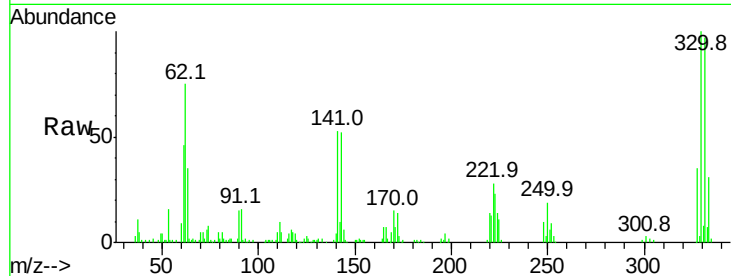
#41
 2,4,6-Tribromophenol
 Concen: 90.80 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Tot Ion	Ratio	Resp	Lower	Upper
330	100	157409		
332	97.3		77.1	115.7
141	47.2		29.8	44.8#

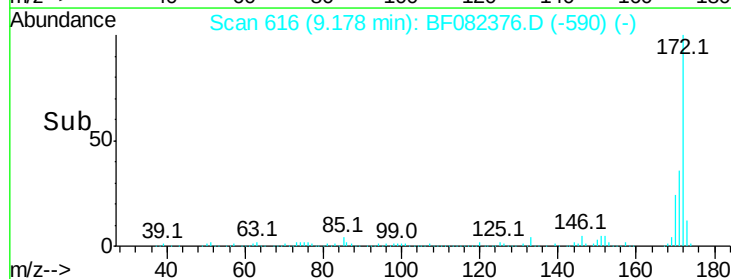
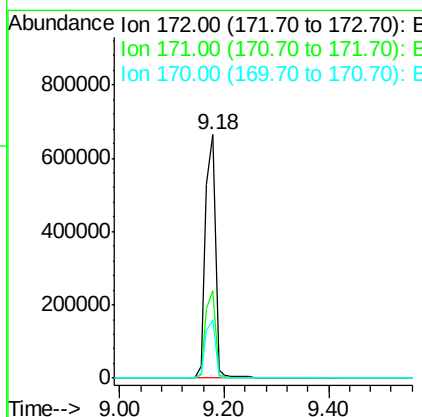
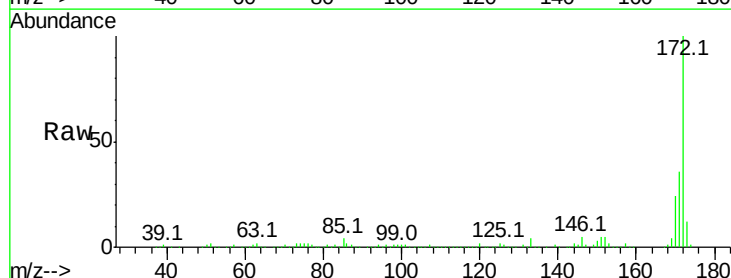
Manual Integrations
 APPROVED

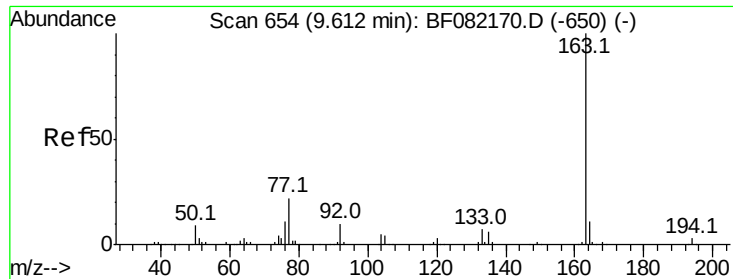
MMdadoda
 10/20/2015 6:25:55 PM



#44
 2-Fluorobiphenyl
 Concen: 79.69 ng
 RT: 9.18 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	888324		
171	35.9		28.6	42.8
170	23.8		19.7	29.5





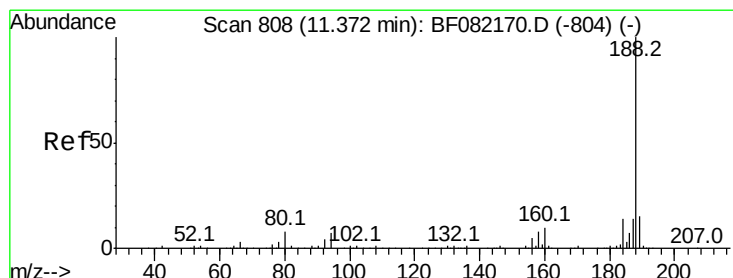
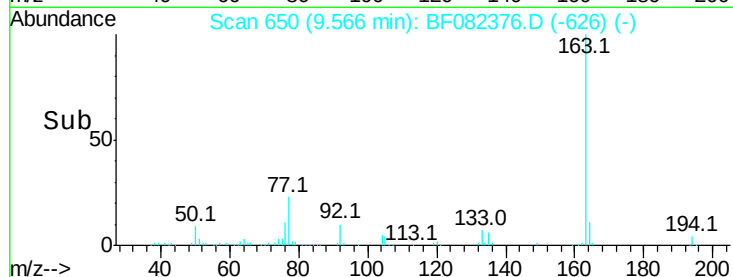
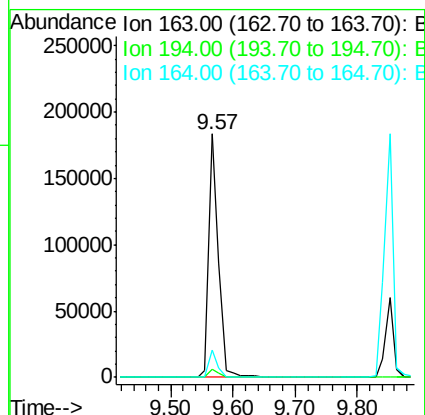
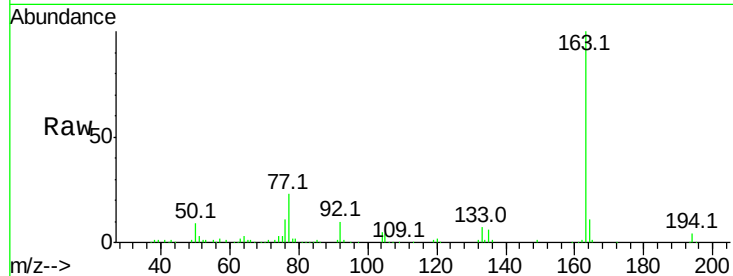
#49
Dimethylphthalate
Concen: 15.38 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	2.6	4.0
164	11.0	8.5	12.7

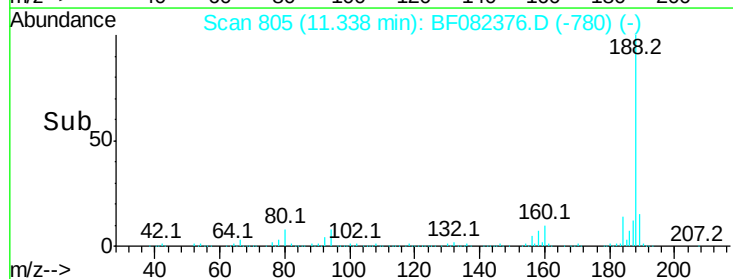
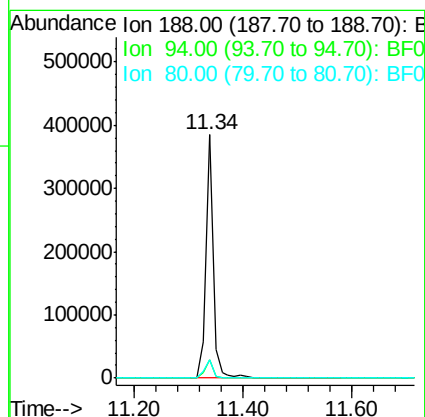
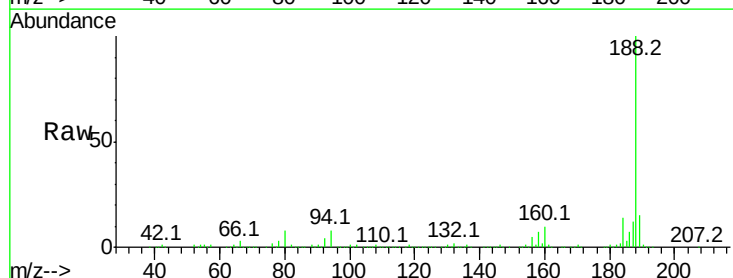
Manual Integrations
APPROVED

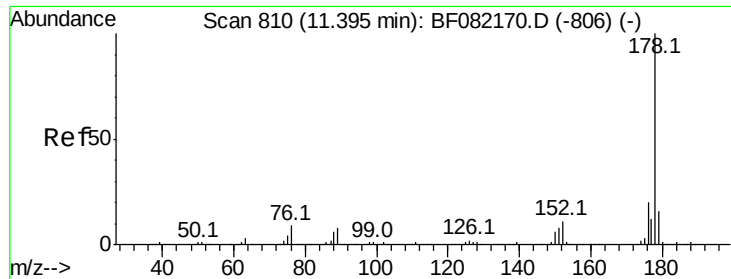
MMdadoda
10/20/2015 6:25:55 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.6	5.8	8.6
80	7.8	6.4	9.6





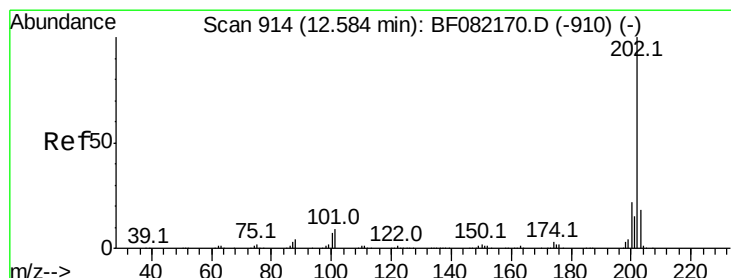
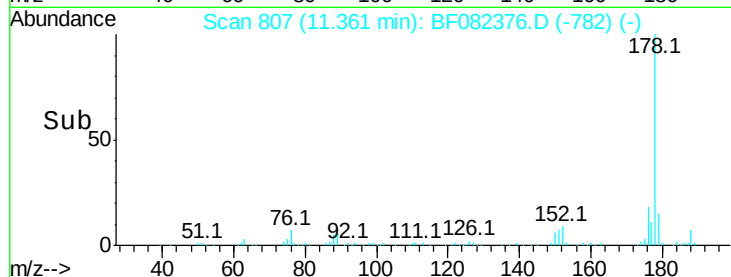
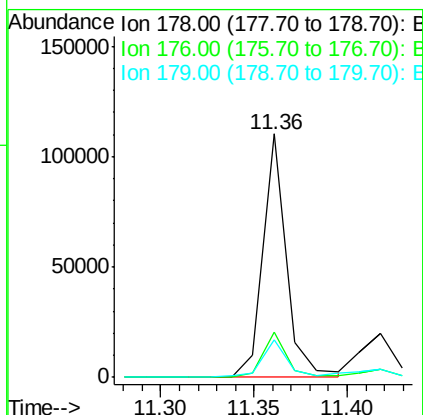
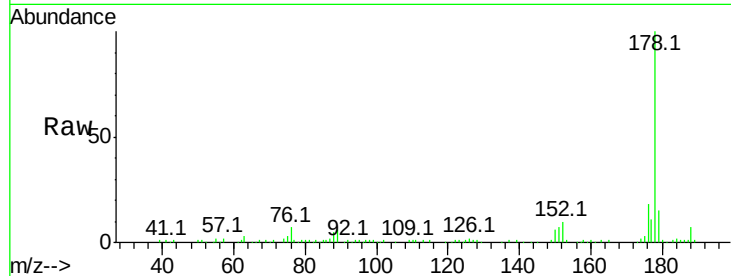
#70
Phenanthrene
Concen: 5.52 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.0	24.0
179	15.3	12.6	19.0

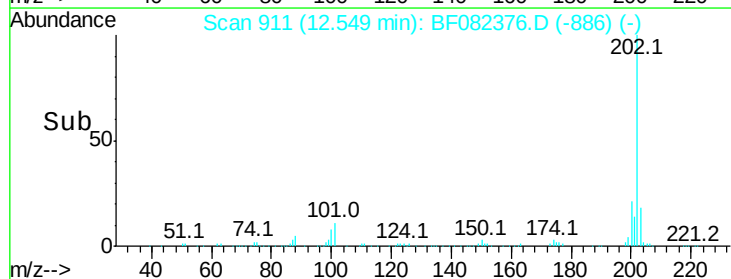
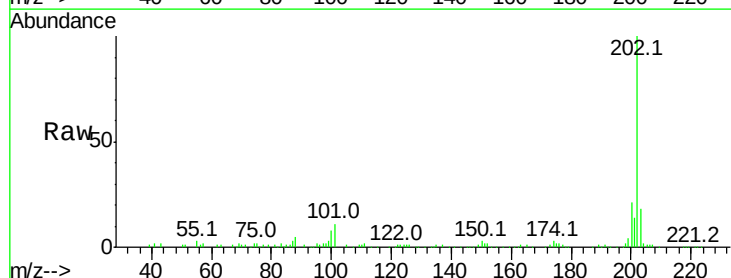
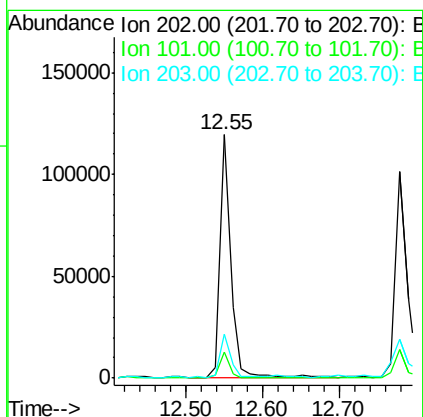
Manual Integrations
APPROVED

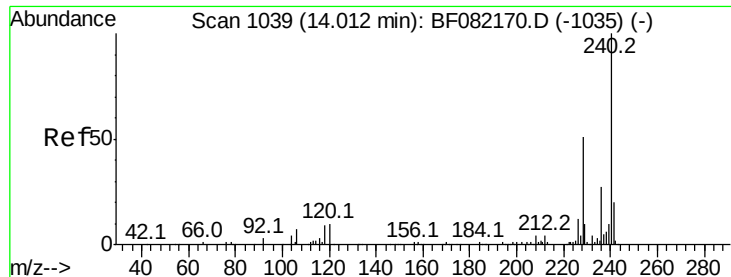
MMdadoda
10/20/2015 6:25:55 PM



#74
Fluoranthene
Concen: 6.19 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.3
203	17.9	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

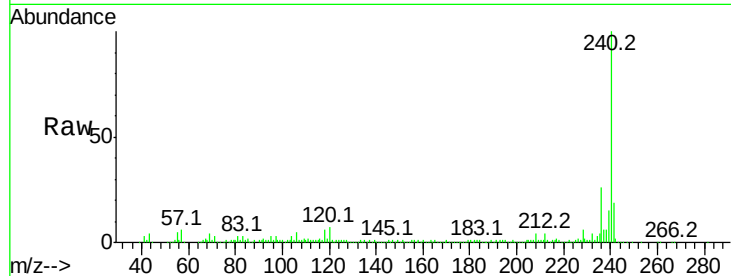
ClientSampleId :

IM-MLA-2.5-03

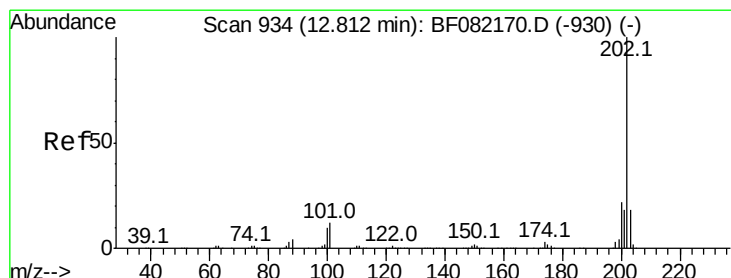
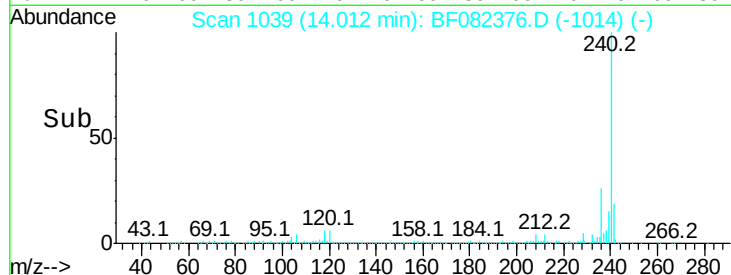
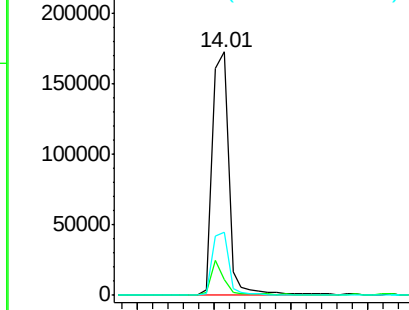
Tot Ion:	240	Resp:	258841
Ion Ratio	Lower	Upper	
240	100		
120	6.7	8.1	12.1#
236	25.9	21.3	31.9

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:25:55 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: 7.12 ng

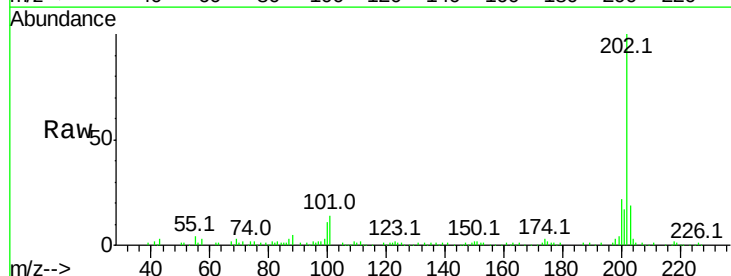
RT: 12.78 min Scan# 931

Delta R.T. -0.01 min

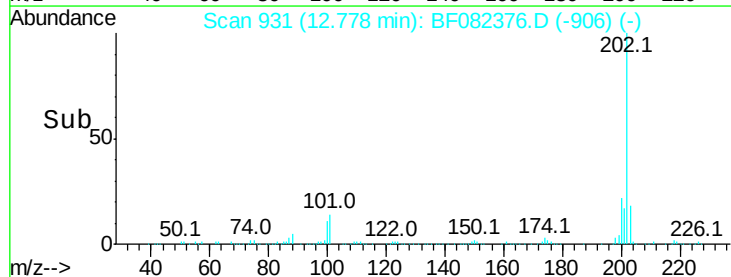
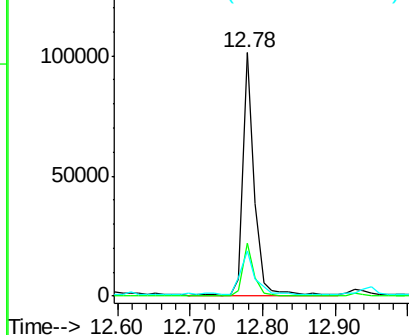
Lab File: BF082376.D

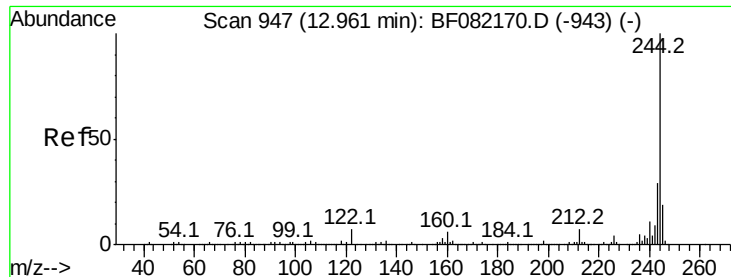
Acq: 20 Oct 2015 2:10

Tgt Ion:	202	Resp:	109408
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.9	26.9
203	18.6	14.5	21.7



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





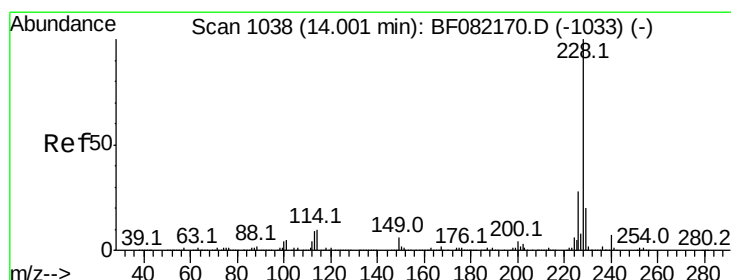
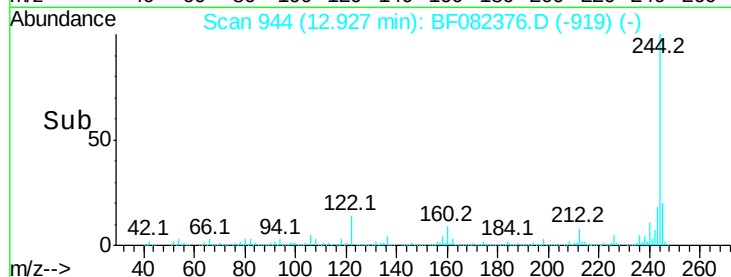
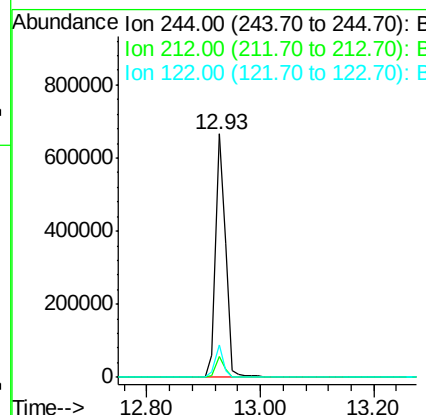
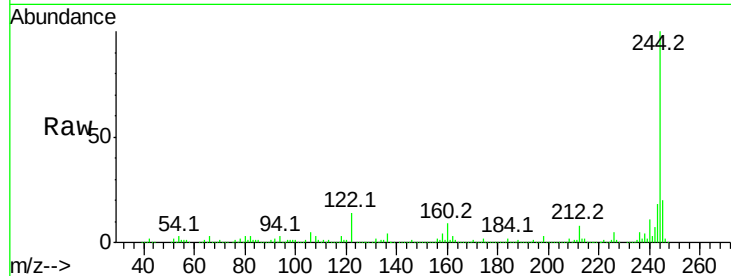
#78
 Terphenyl-d14
 Concen: 80.66 ng
 RT: 12.93 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.4	5.8	8.6
122	13.5	5.9	8.9#

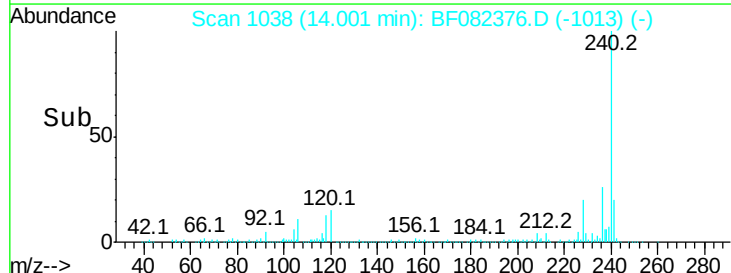
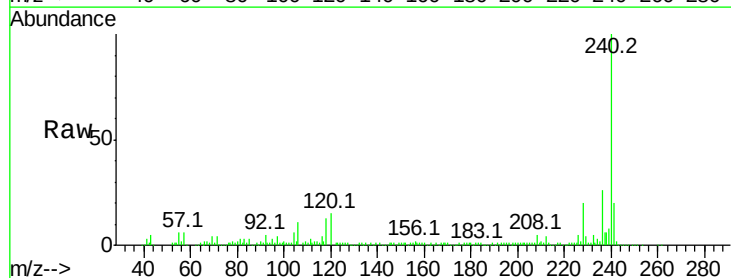
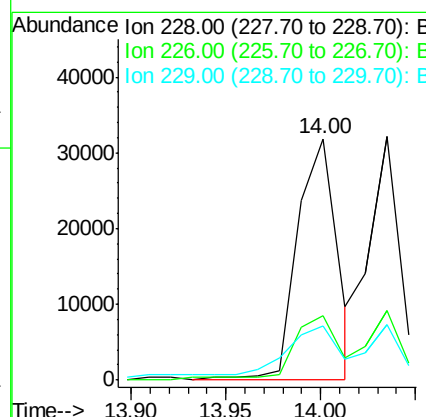
Manual Integrations
 APPROVED

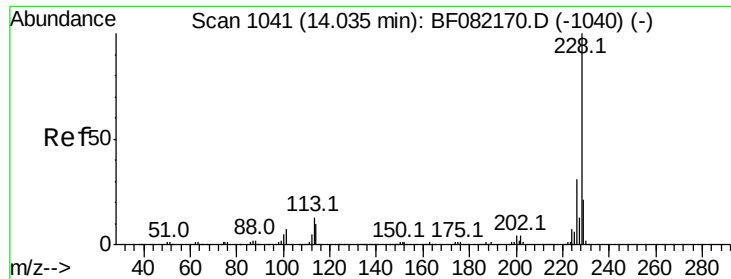
MMdadoda
 10/20/2015 6:25:55 PM



#80
 Benzo(a)anthracene
 Concen: 3.45 ng m
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	26.8	22.3	33.5
229	22.3	16.2	24.2





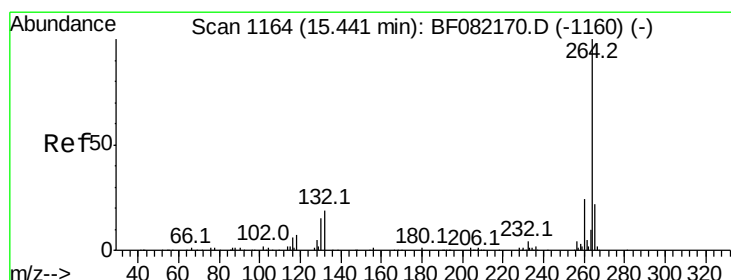
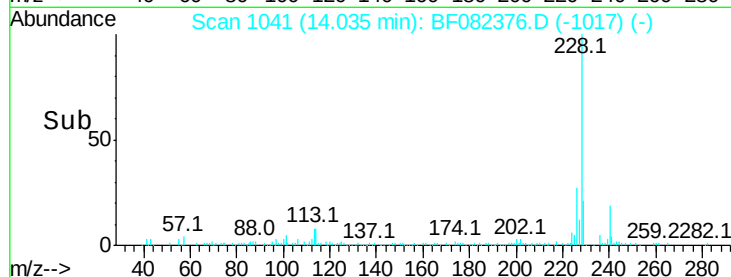
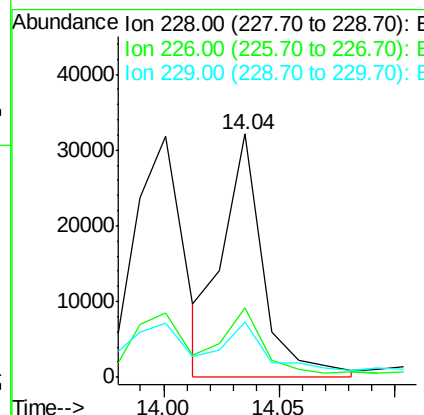
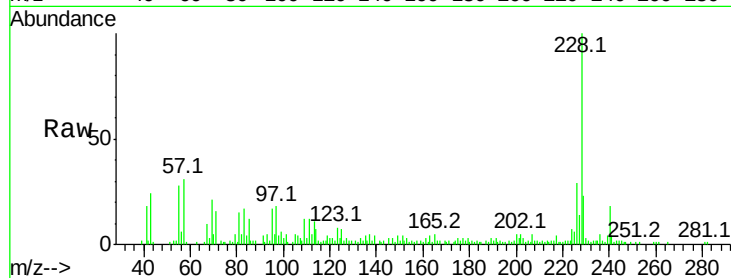
#82
Chrysene
Concen: 2.75 ng/mL
RT: 14.04 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Tot Ion	Ratio	Resp	Lower	Upper
228	100	39051		
226	28.8		24.4	36.6
229	22.6		16.3	24.5

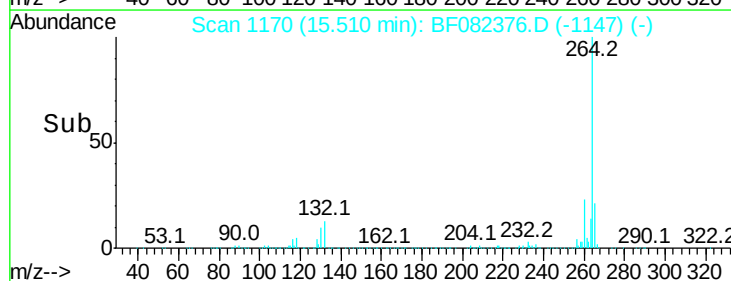
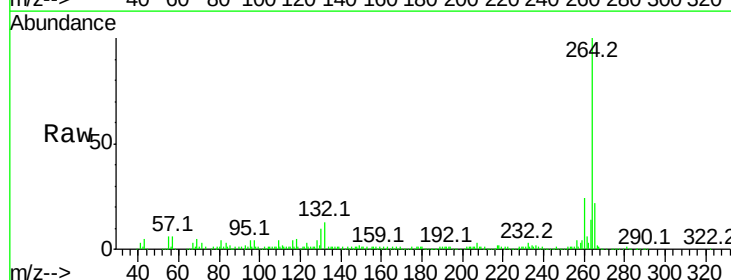
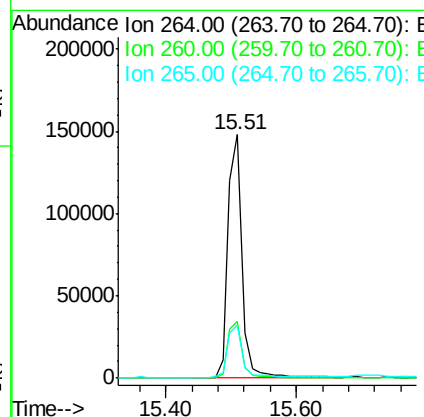
Manual Integrations
APPROVED

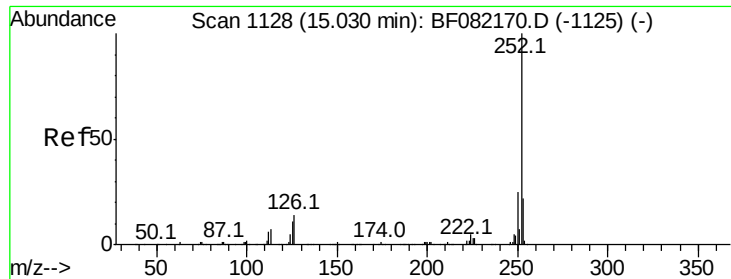
MMdadoda
10/20/2015 6:25:55 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	225248		
260	23.5		19.0	28.6
265	21.7		17.3	25.9





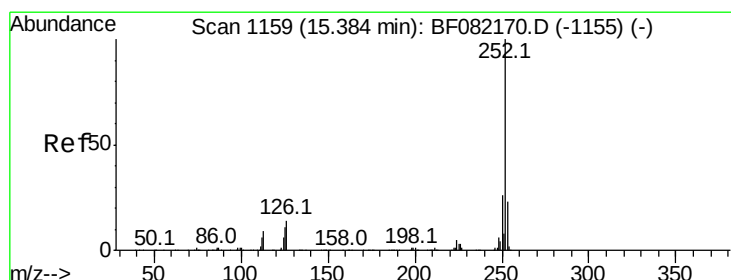
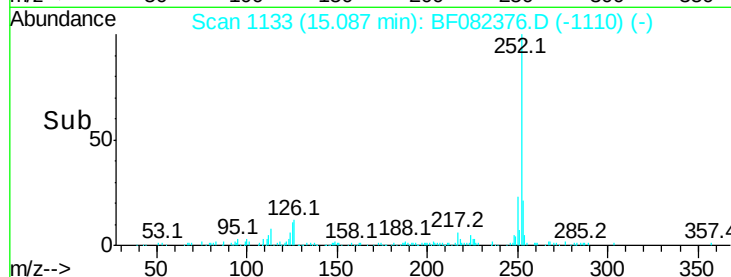
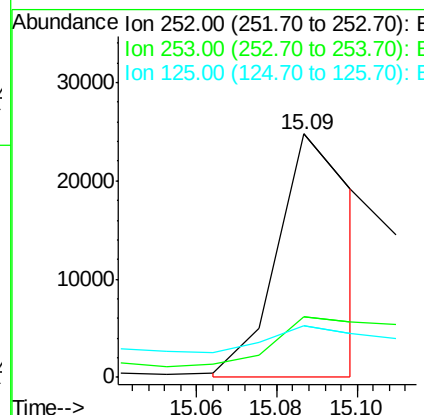
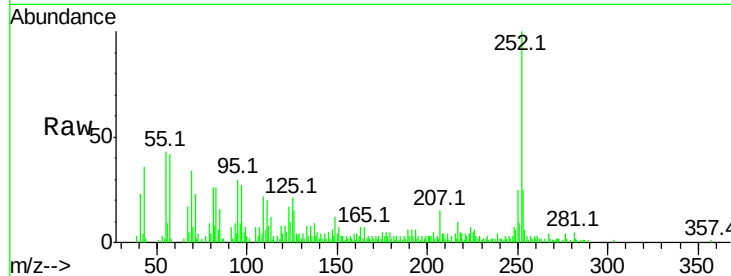
#87
Benzo(b)fluoranthene
Concen: 2.45 ng m
RT: 15.09 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	21.5	8.6	12.8

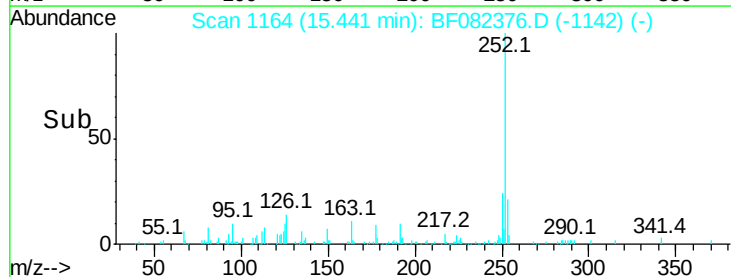
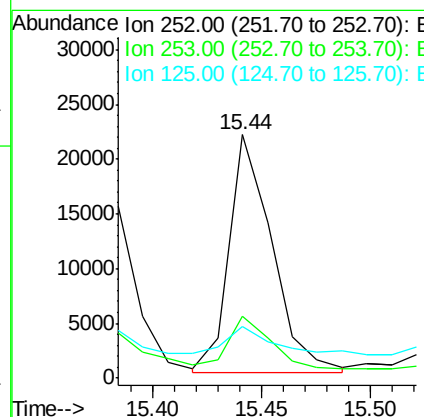
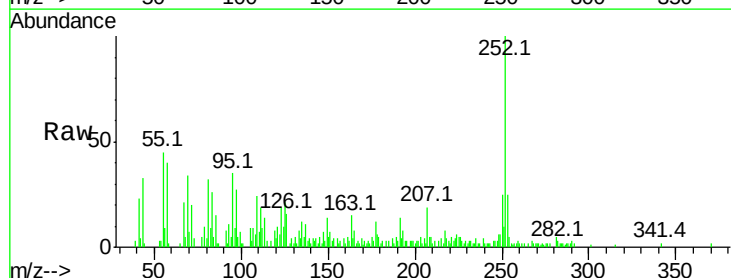
Manual Integrations
APPROVED

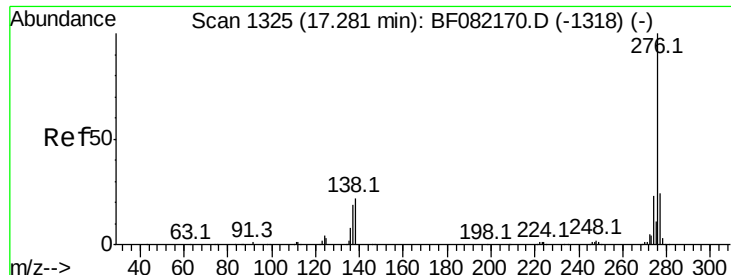
MMdadoda
10/20/2015 6:25:55 PM



#89
Benzo(a)pyrene
Concen: 2.52 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.05 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	21.3	8.9	13.3





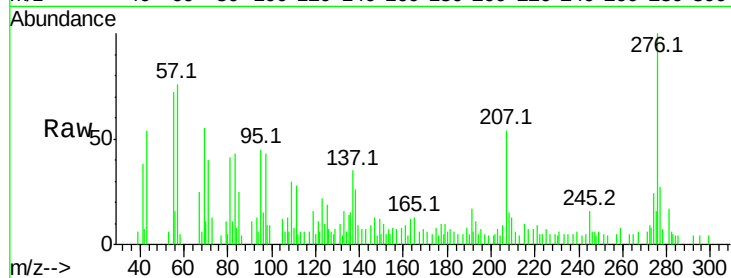
#91
 Benzo(a,h,i)perylene
 Concen: 2.18 ng
 RT: 17.35 min Scan# 1331
 Delta R.T. -0.05 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.8	28.2
138	26.2	17.4	26.2

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:25:55 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

