

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082164.D
 Acq On : 10 Oct 2015 00:48
 Operator : UM/IZ
 Sample : G3928-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)A

Manual Integrations
 APPROVED

MMDadoda
 10/12/2015 2:46:36 PM

Quant Time: Oct 10 05:37:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	89878	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	348281	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	152072	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	249413	20.00	ng	0.00
75) Chrysene-d12	14.02	240	213644	20.00	ng	-0.01
86) Perylene-d12	15.46	264	154099	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	595929	120.36	ng	0.01
7) Phenol-d6	6.49	99	804581	129.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	371304	71.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	162824	105.72	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	767608	84.34	ng	0.00
78) Terphenyl-d14	12.97	244	613786	96.29	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	53911	3.49	ng	100
49) Dimethylphthalate	9.61	163	185147	17.64	ng	# 97
74) Fluoranthene	12.60	202	34336	2.57	ng	88
77) Pyrene	12.82	202	45393	3.56	ng	97
82) Chrysene	14.05	228	22658m	2.37	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	97123	16.12	ng	# 94
87) Benzo(b)fluoranthene	15.04	252	31633m	3.60	ng	
89) Benzo(a)pyrene	15.40	252	25814	3.38	ng	# 88
91) Benzo(g,h,i)perylene	17.30	276	14058	2.14	ng	# 75

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

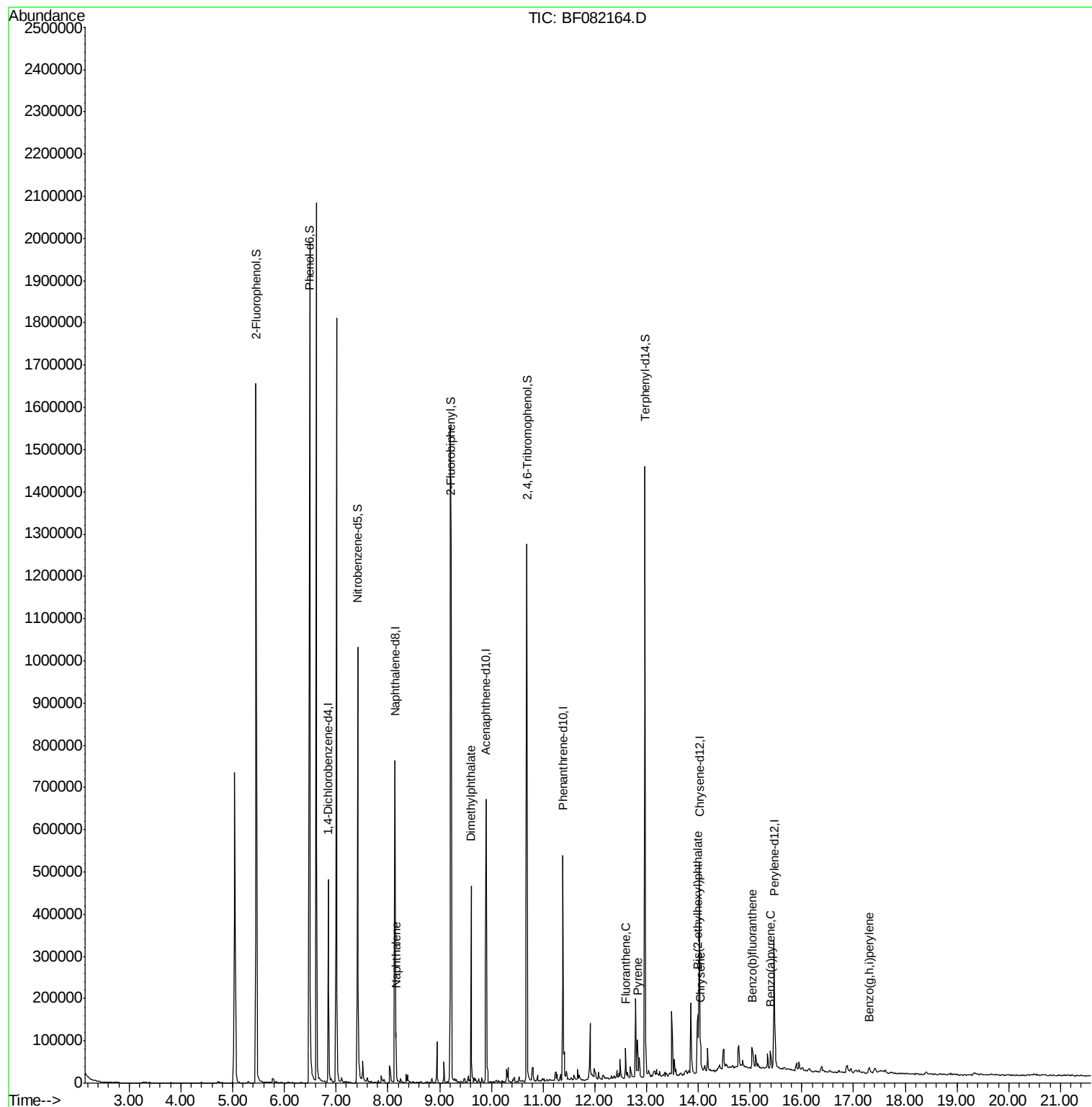
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082164.D
Acq On : 10 Oct 2015 00:48
Operator : UM/IZ
Sample : G3928-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

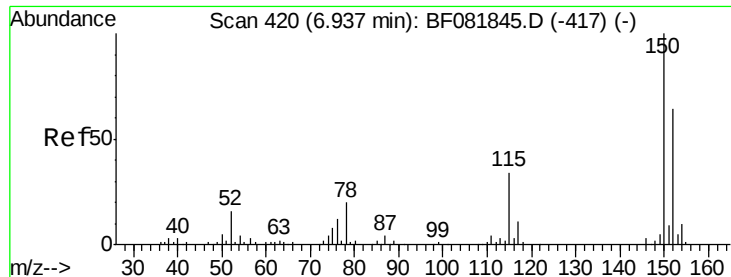
Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)A

Manual Integrations
APPROVED

MMDadoda
10/12/2015 2:46:36 PM

Quant Time: Oct 10 05:37:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 09 22:47:26 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF082164.D

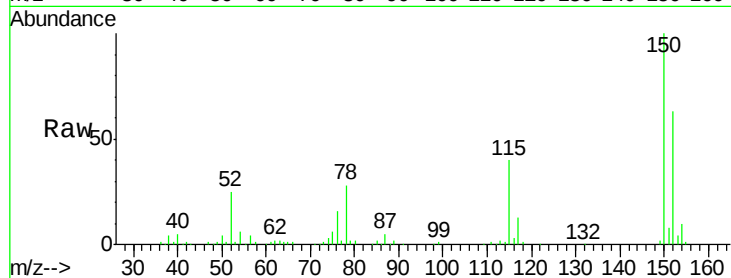
Acq: 10 Oct 2015 00:48

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(46-48)A



Tgt Ion:152 Resp: 89878

Ion Ratio Lower Upper

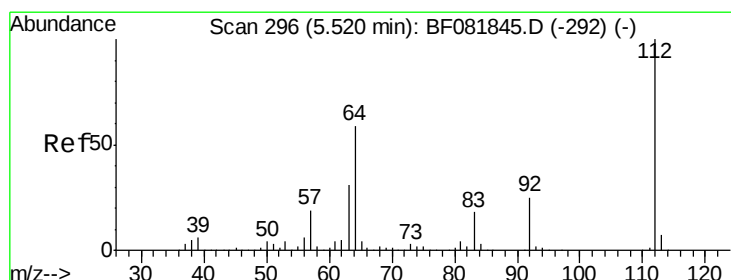
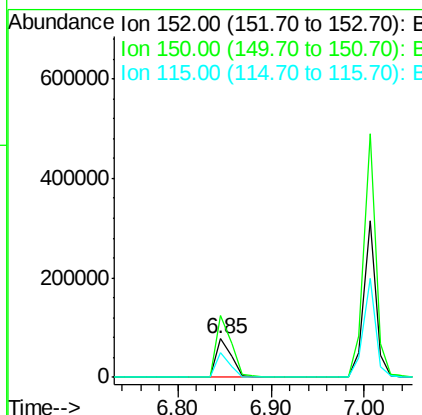
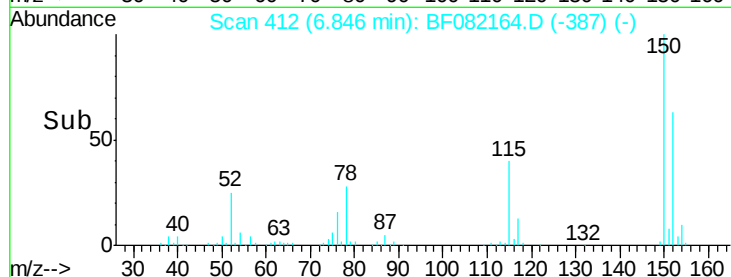
152 100

150 159.9 124.7 187.1

115 64.3 39.0 58.4#

Manual Integrations
APPROVED

MMDadoda
10/12/2015 2:46:36 PM



#5

2-Fluorophenol

Concen: 120.36 ng

RT: 5.45 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

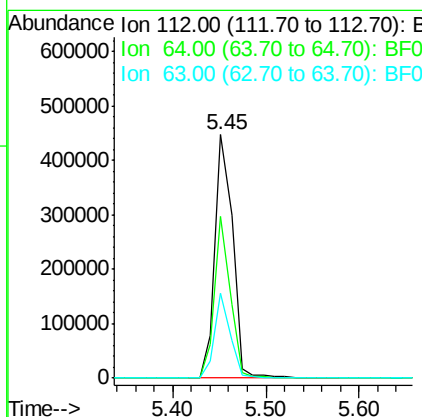
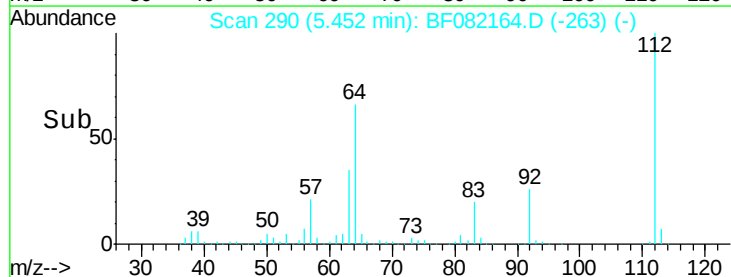
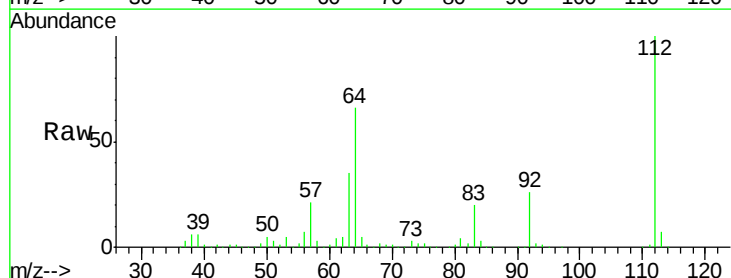
Tgt Ion:112 Resp: 595929

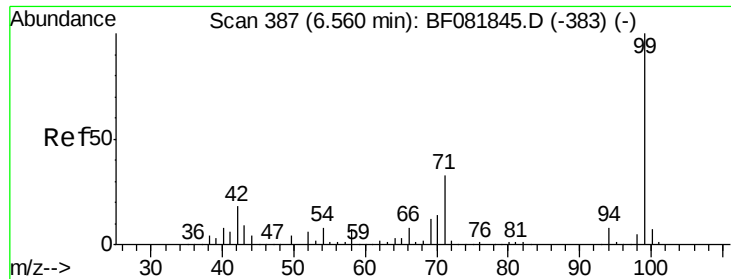
Ion Ratio Lower Upper

112 100

64 66.4 39.7 59.5#

63 35.0 17.4 26.0#





#7

Phenol-d6

Concen: 129.14 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

Instrument :

BNA_F

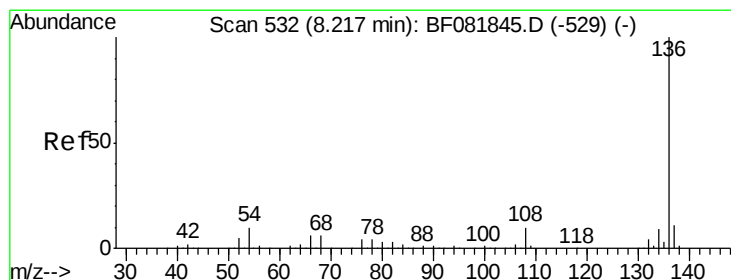
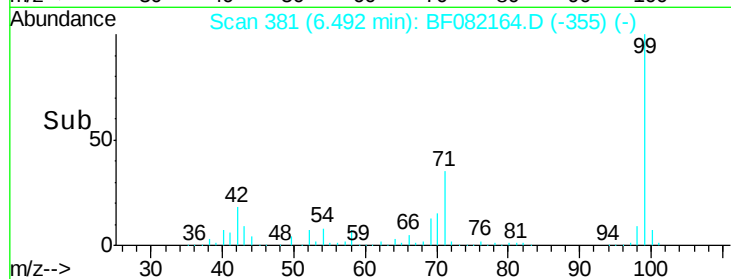
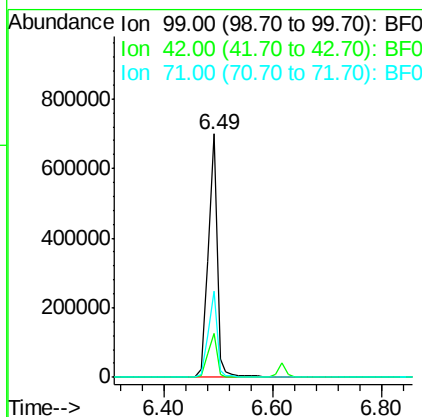
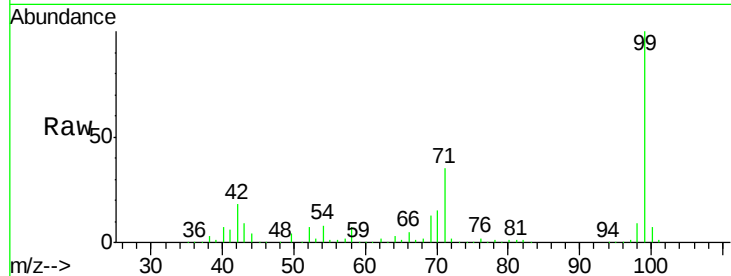
ClientSampleId :

OS-SB-22(46-48)A

Tgt Ion:	99	Resp:	804581
Ion Ratio	Lower	Upper	
99	100		
42	18.2	13.7	20.5
71	35.4	14.2	21.2#

Manual Integrations
APPROVED

MMDadoda
10/12/2015 2:46:36 PM



#21

Naphthalene-d8

Concen: 20.00 ng

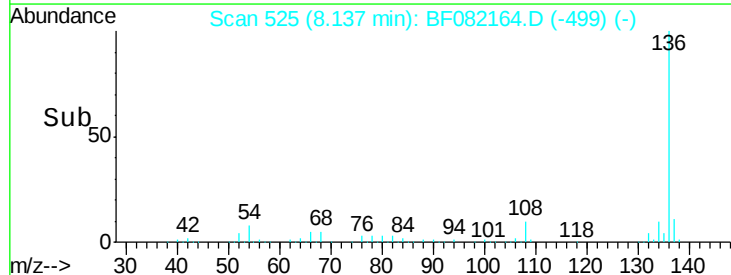
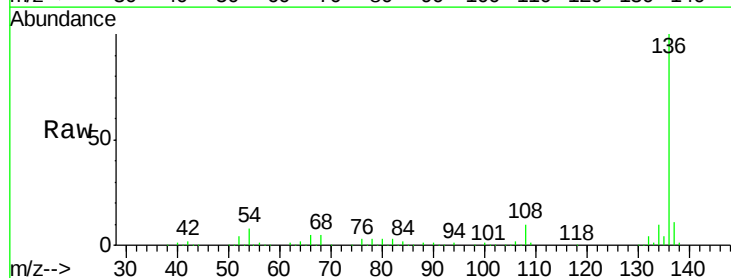
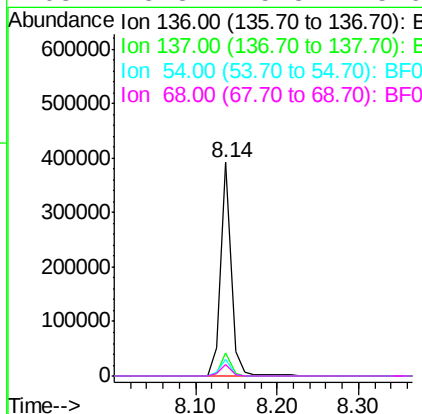
RT: 8.14 min Scan# 525

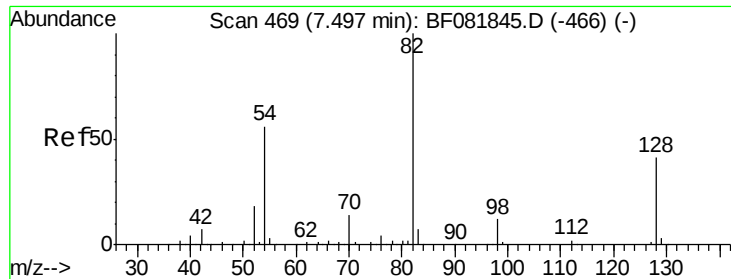
Delta R.T. -0.00 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

Tgt Ion:	136	Resp:	348281
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.6
54	7.6	8.2	12.2#
68	5.3	5.8	8.6#





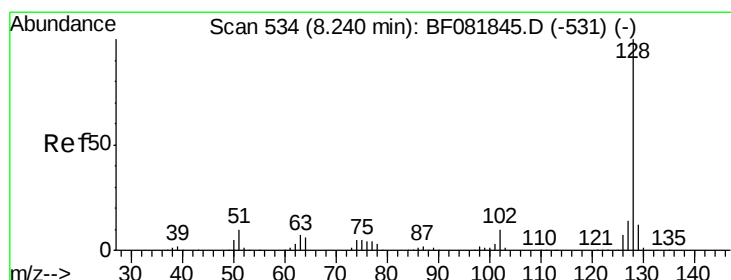
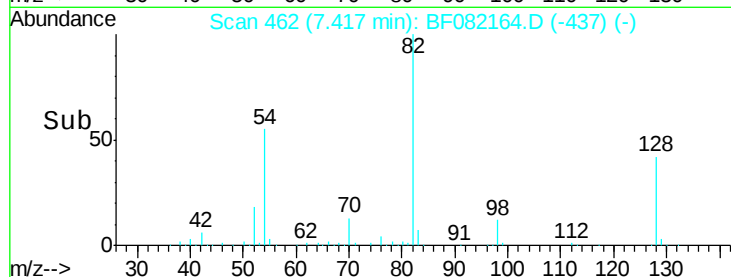
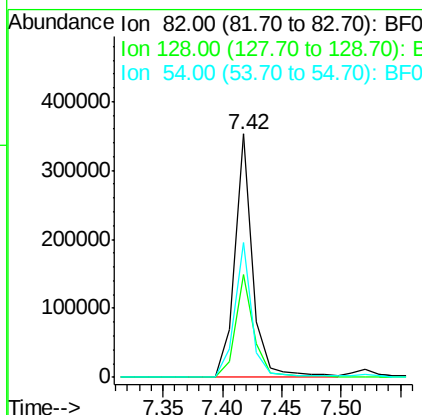
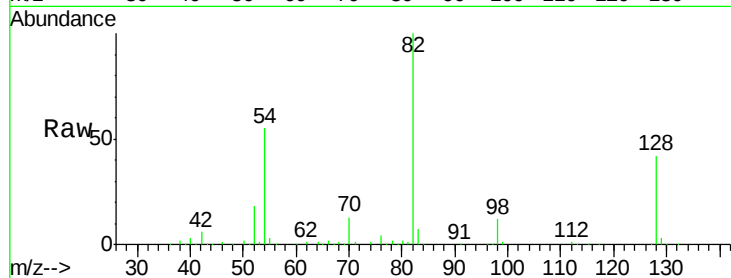
#23
 Nitrobenzene-d5
 Concen: 71.07 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	51.0	76.6#
54	55.5	47.5	71.3

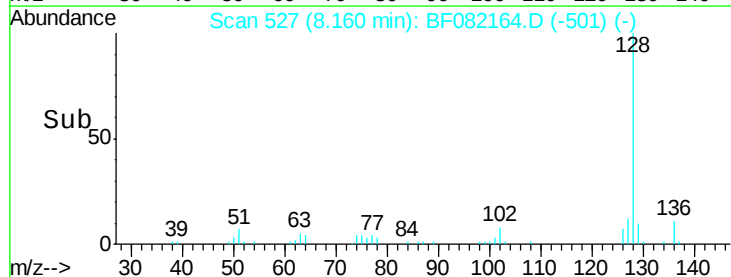
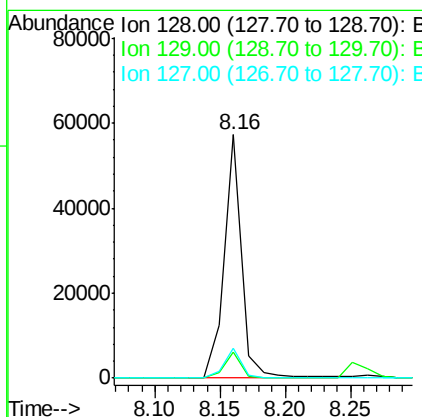
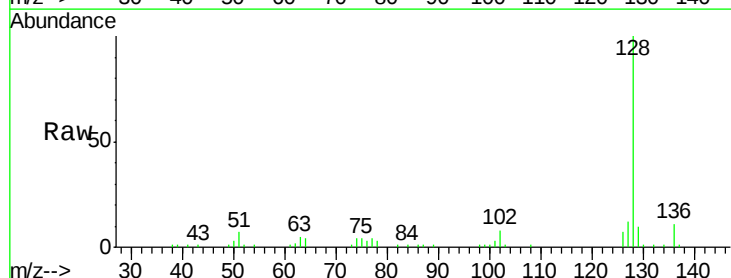
Manual Integrations
 APPROVED

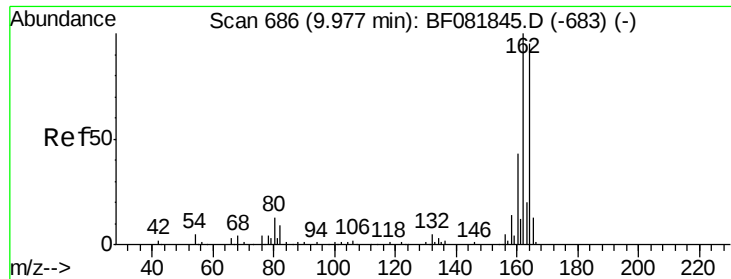
MMDadoda
 10/12/2015 2:46:36 PM



#31
 Naphthalene
 Concen: 3.49 ng
 RT: 8.16 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	12.1	9.9	14.9





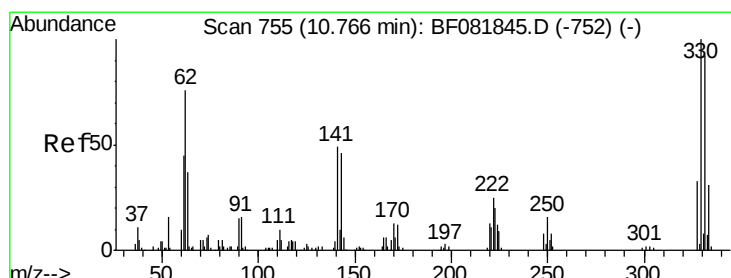
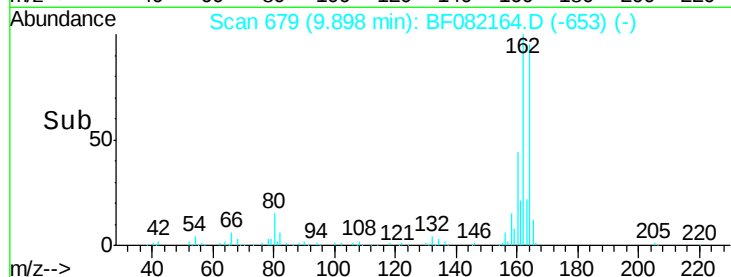
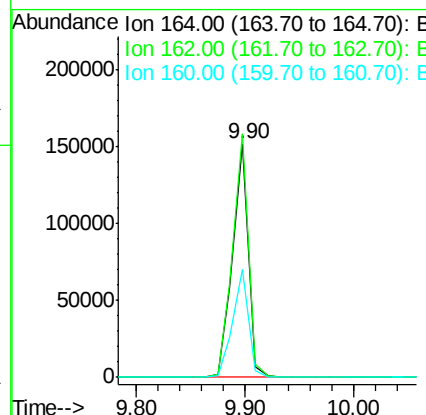
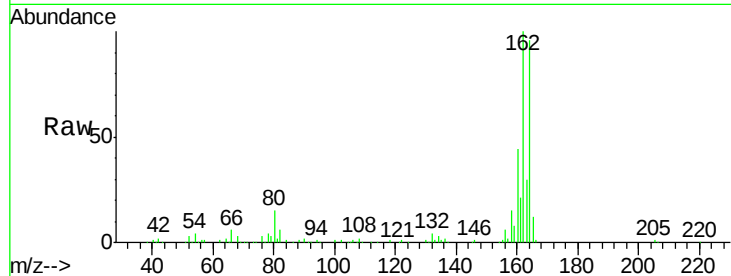
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)A

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152072		
162	104.3	75.2	112.8	
160	46.3	31.5	47.3	

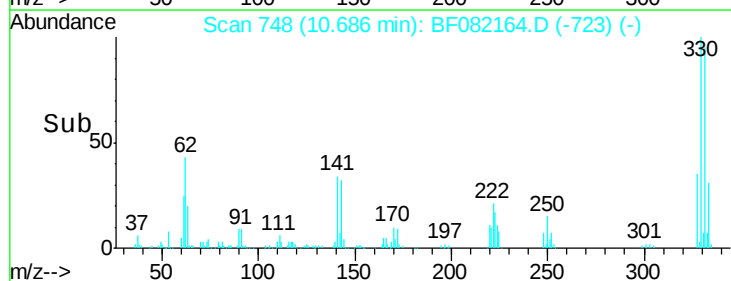
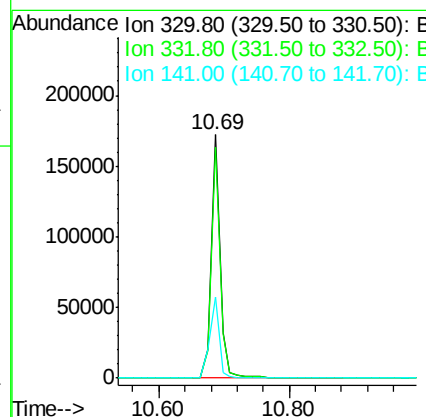
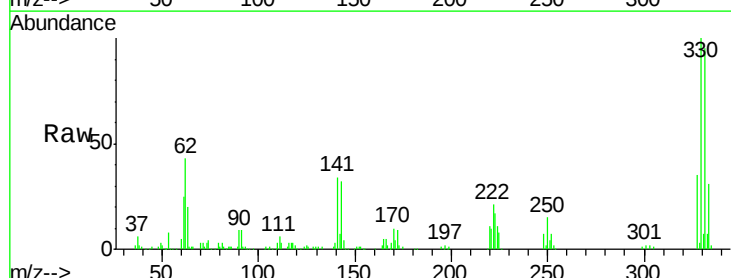
Manual Integrations
 APPROVED

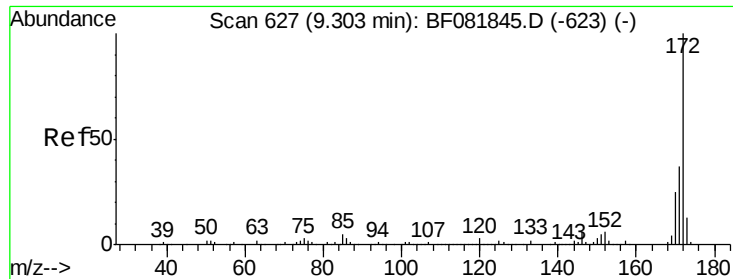
MMDadoda
 10/12/2015 2:46:36 PM



#41
 2,4,6-Tribromophenol
 Concen: 105.72 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

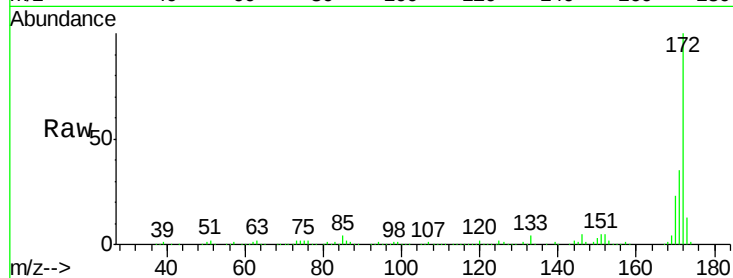
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	162824		
332	95.0	76.6	114.8	
141	36.2	29.7	44.5	





#44
 2-Fluorobiphenyl
 Concen: 84.34 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

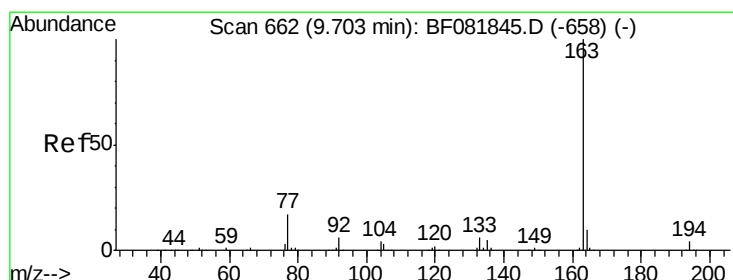
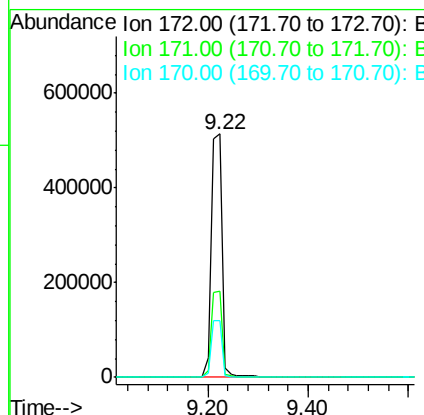
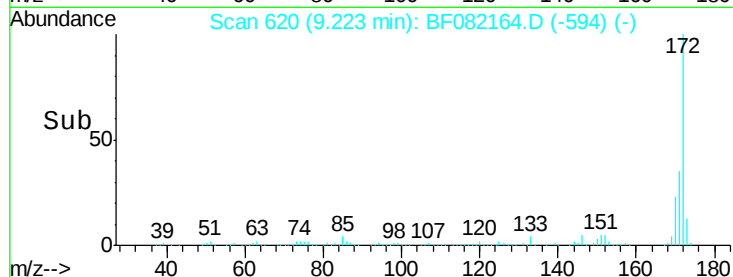
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)A



Tgt Ion:	172	Resp:	767608
Ion Ratio	Lower	Upper	
172	100		
171	35.4	26.1	39.1
170	23.4	17.4	26.2

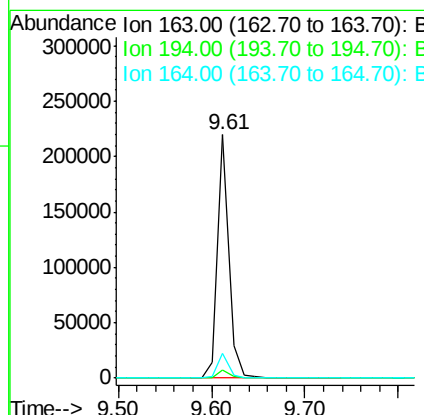
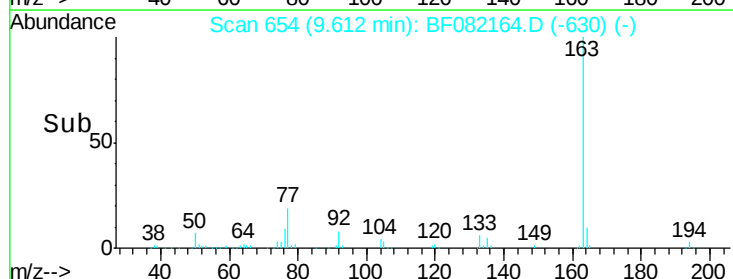
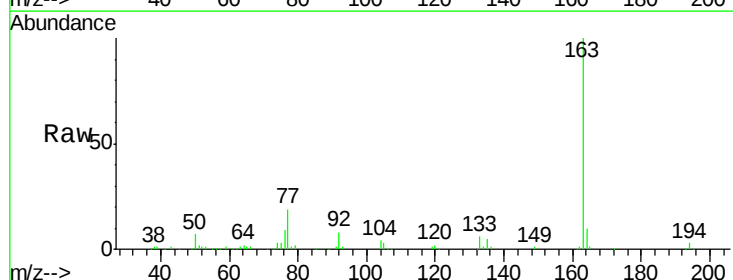
Manual Integrations
 APPROVED

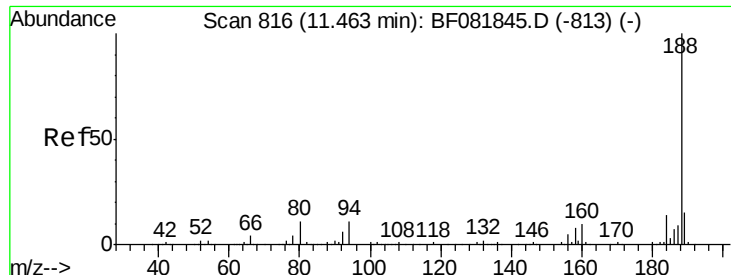
MMDadoda
 10/12/2015 2:46:36 PM



#49
 Dimethylphthalate
 Concen: 17.64 ng
 RT: 9.61 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

Tgt Ion:	163	Resp:	185147
Ion Ratio	Lower	Upper	
163	100		
194	3.3	4.4	6.6#
164	10.1	8.3	12.5





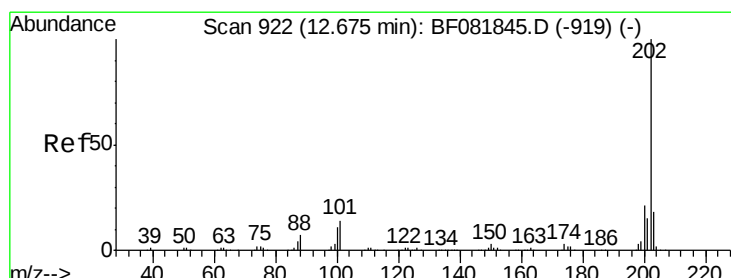
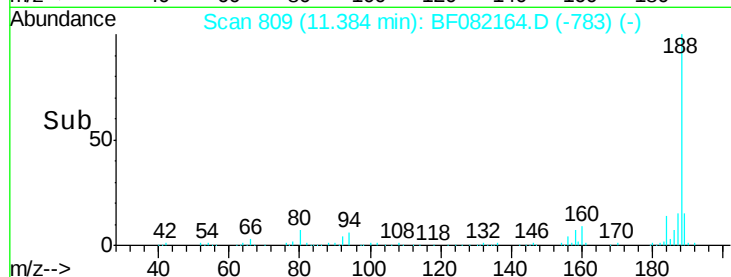
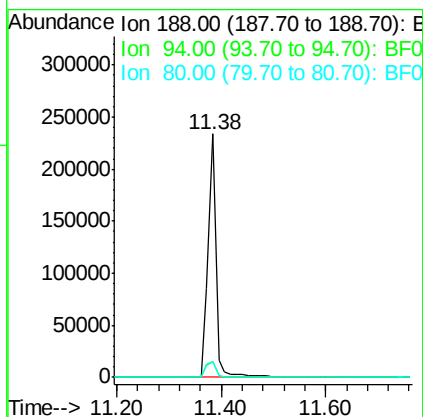
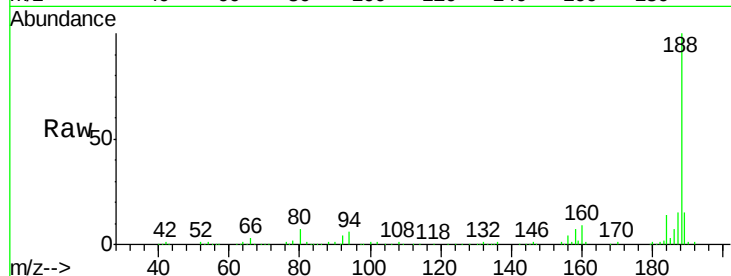
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF082164.D
Acq: 10 Oct 2015 00:48

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)A

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	249413		
94	6.4	11.1	16.7#	
80	6.6	11.0	16.4#	

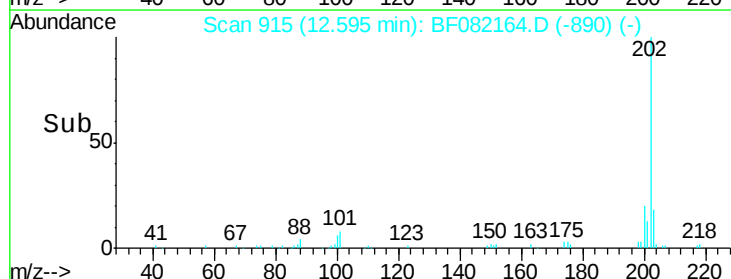
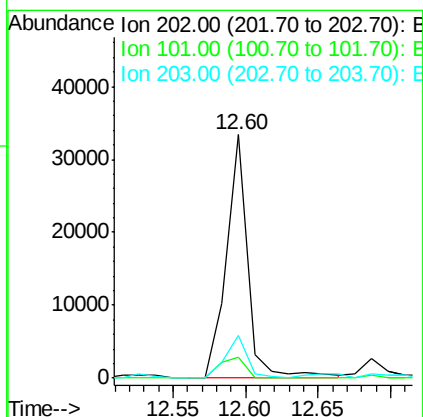
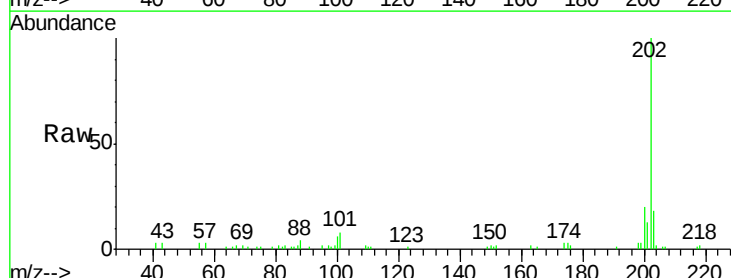
Manual Integrations
APPROVED

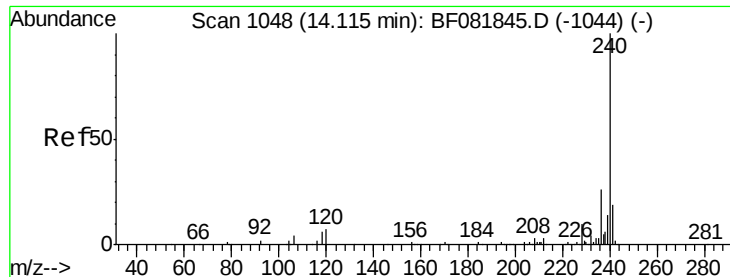
MMDadoda
10/12/2015 2:46:36 PM



#74
Fluoranthene
Concen: 2.57 ng
RT: 12.60 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF082164.D
Acq: 10 Oct 2015 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	34336		
101	8.4	0.0	38.3	
203	17.6	0.0	37.3	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

Instrument :

BNA_F

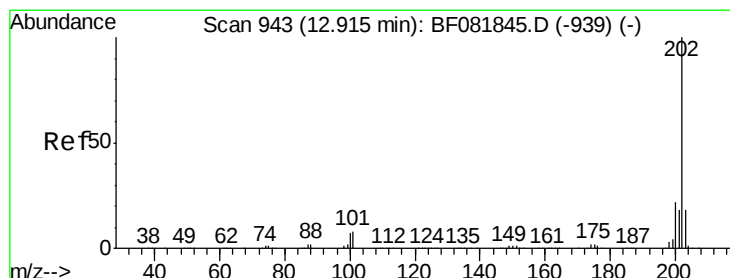
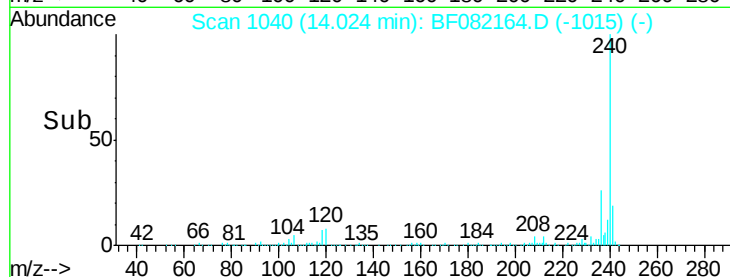
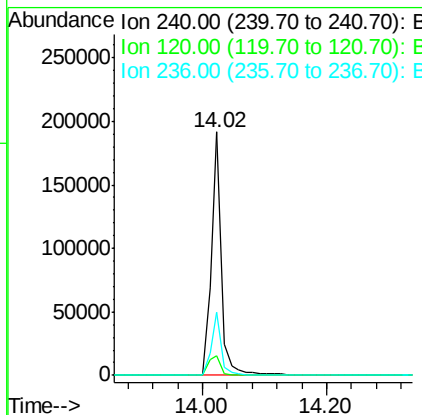
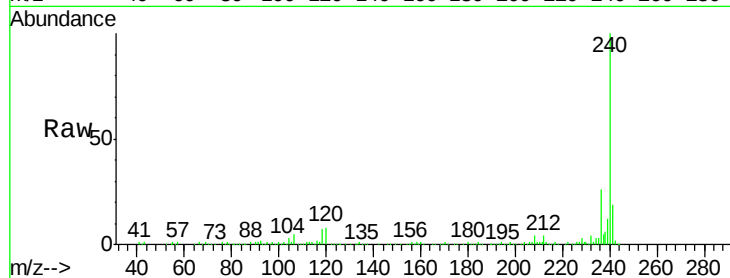
ClientSampleId :

OS-SB-22(46-48)A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.9	16.2	24.2#
236	25.9	18.4	27.6

Manual Integrations
APPROVED

MMDadoda
10/12/2015 2:46:36 PM



#77

Pyrene

Concen: 3.56 ng

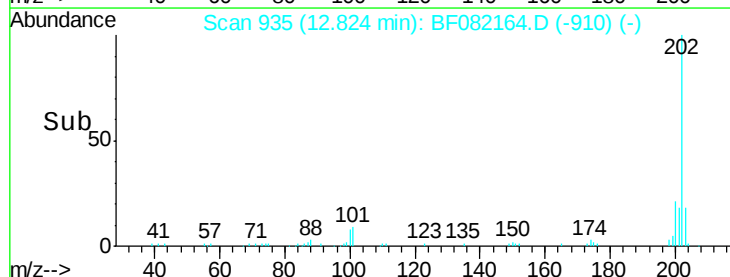
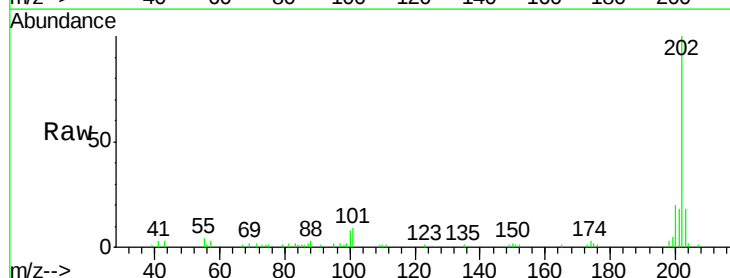
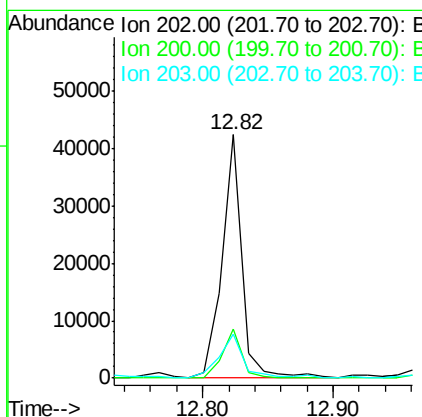
RT: 12.82 min Scan# 935

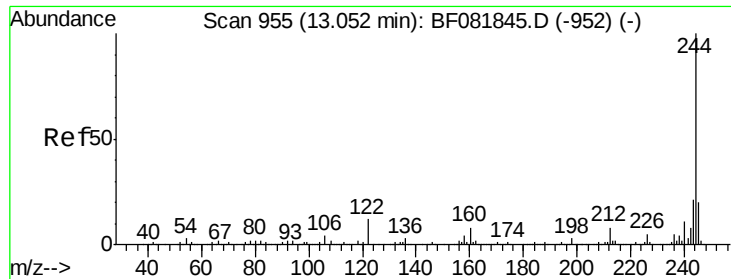
Delta R.T. -0.01 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

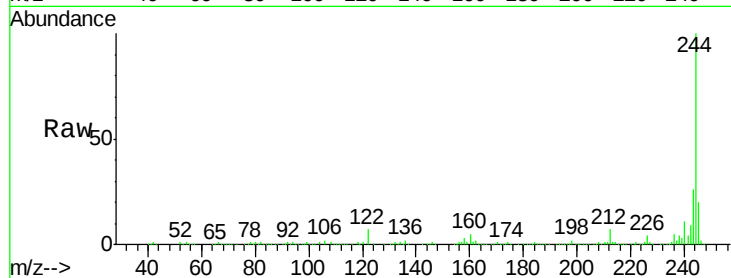
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	15.0	22.4
203	18.2	14.1	21.1





#78
 Terphenyl-d14
 Concen: 96.29 ng
 RT: 12.97 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

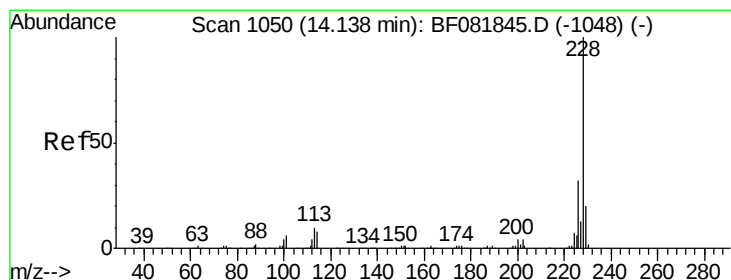
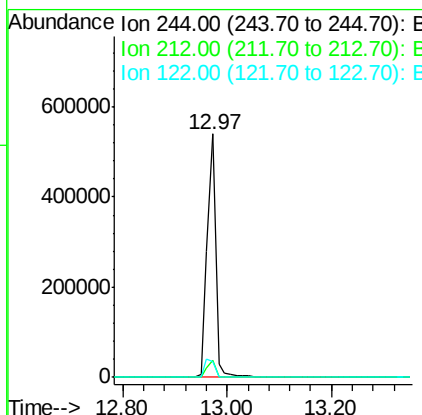
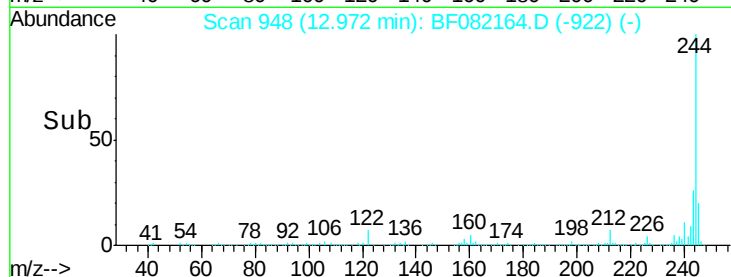
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)A



Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	4.3	6.5#
122	6.7	17.4	26.2#

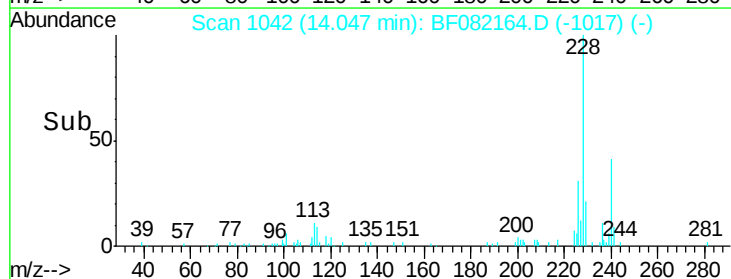
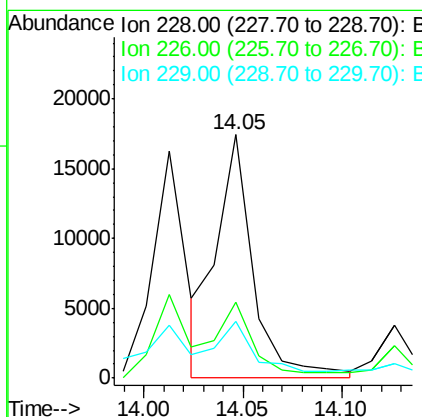
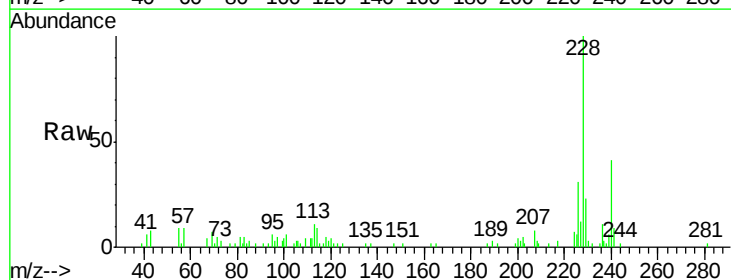
Manual Integrations
 APPROVED

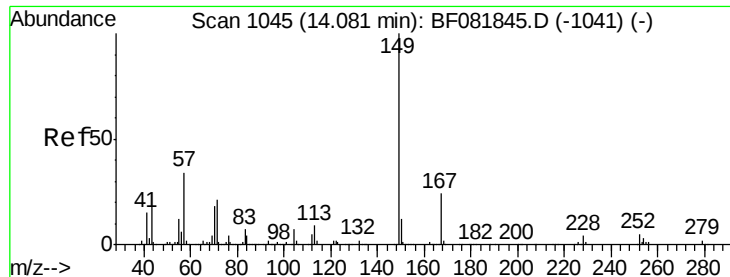
MMDadoda
 10/12/2015 2:46:36 PM



#82
 Chrysene
 Concen: 2.37 ng m
 RT: 14.05 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.0	31.4
229	23.4	15.6	23.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 16.12 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF082164.D

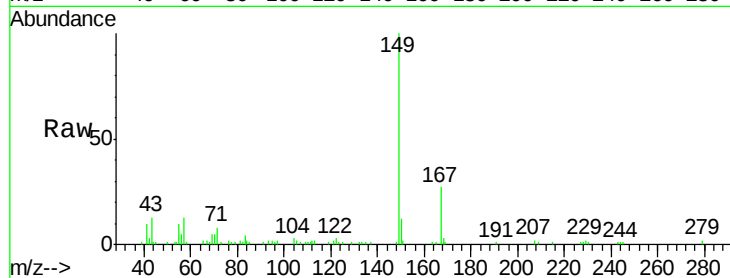
Acq: 10 Oct 2015 00:48

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(46-48)A



Tgt Ion:149 Resp: 97123

Ion Ratio Lower Upper

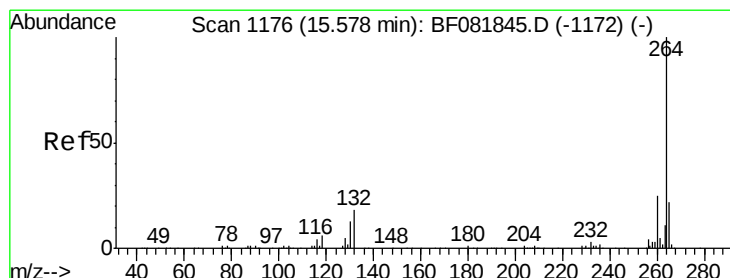
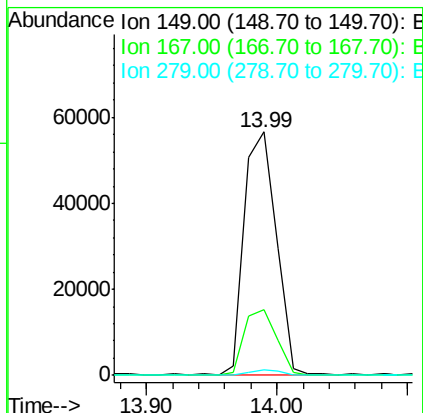
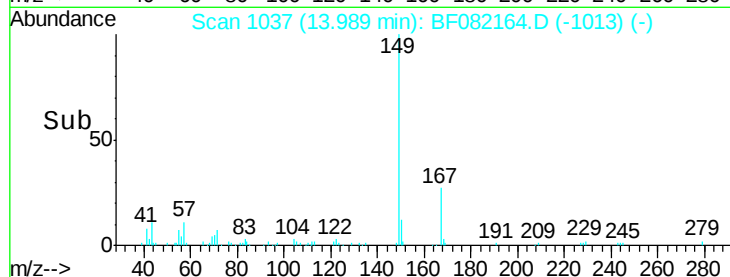
149 100

167 27.1 24.2 36.2

279 2.1 3.8 5.6#

Manual Integrations
APPROVED

MMDadoda
10/12/2015 2:46:36 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

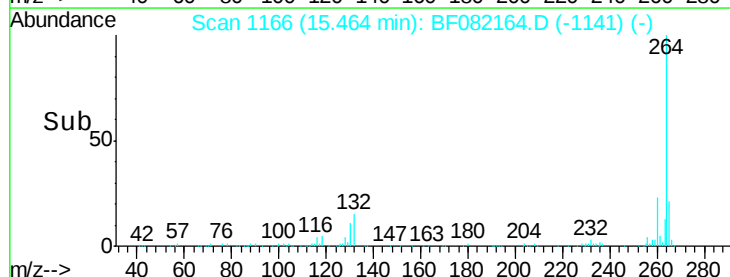
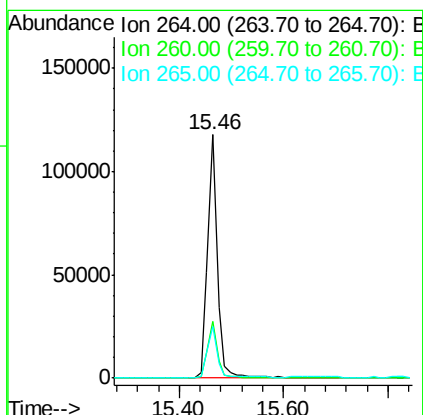
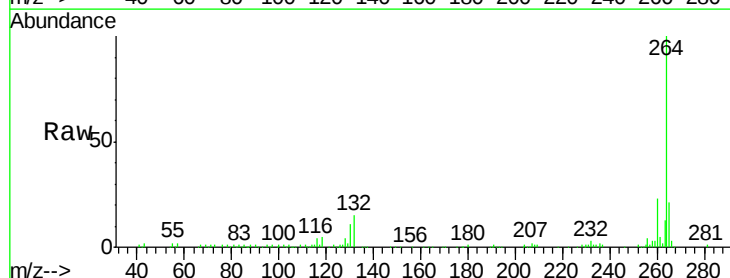
Tgt Ion:264 Resp: 154099

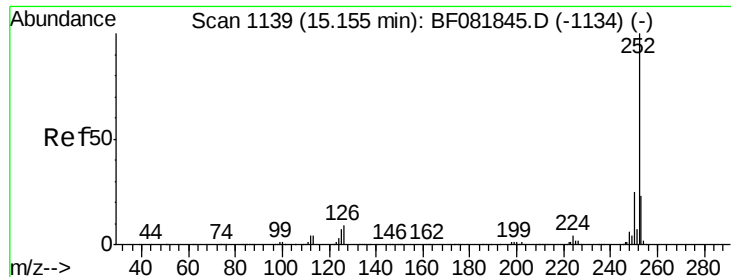
Ion Ratio Lower Upper

264 100

260 23.4 16.7 25.1

265 21.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.60 ng m

RT: 15.04 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

Instrument :

BNA_F

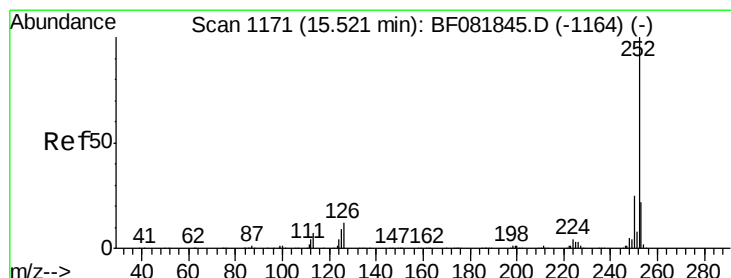
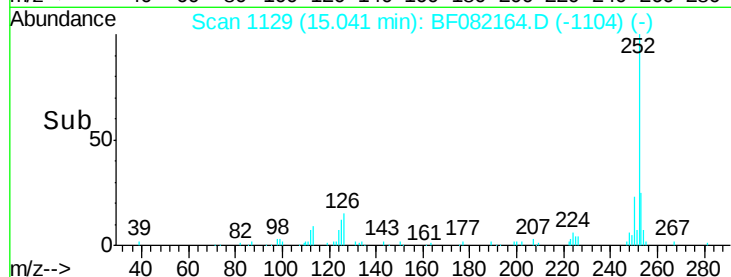
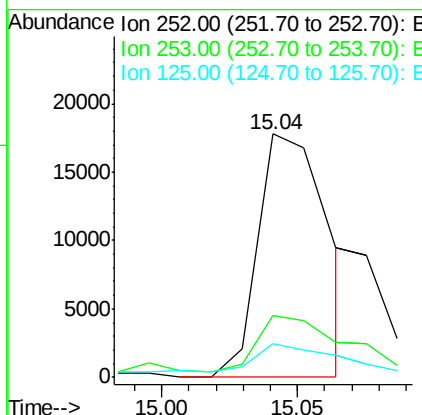
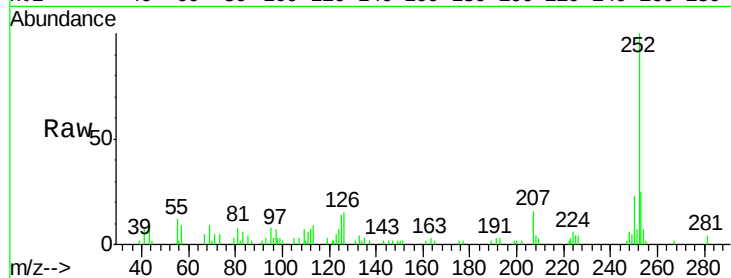
ClientSampleId :

OS-SB-22(46-48)A

Tgt Ion:	252	Resp:	31633
Ion Ratio		Lower	Upper
252	100		
253	25.4	17.5	26.3
125	14.1	17.1	25.7#

Manual Integrations
APPROVED

MMDadoda
10/12/2015 2:46:36 PM



#89

Benzo(a)pyrene

Concen: 3.38 ng

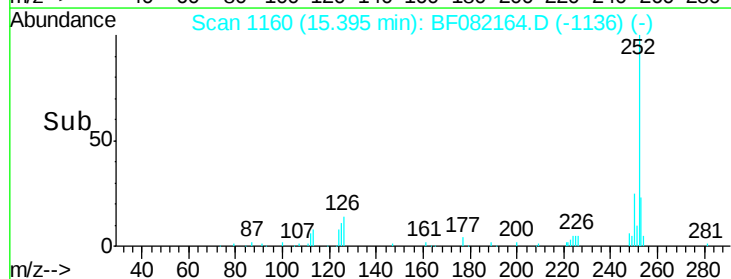
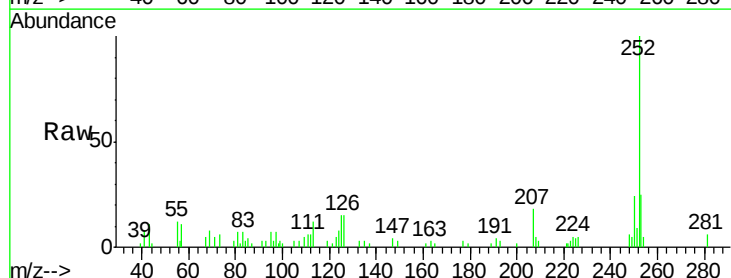
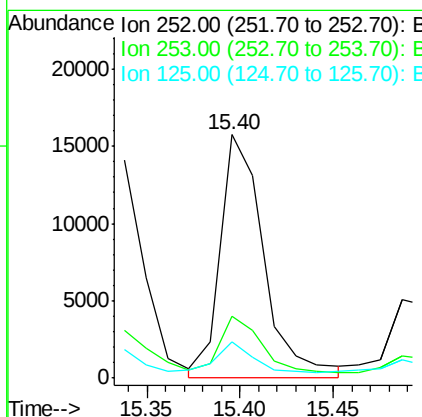
RT: 15.40 min Scan# 1160

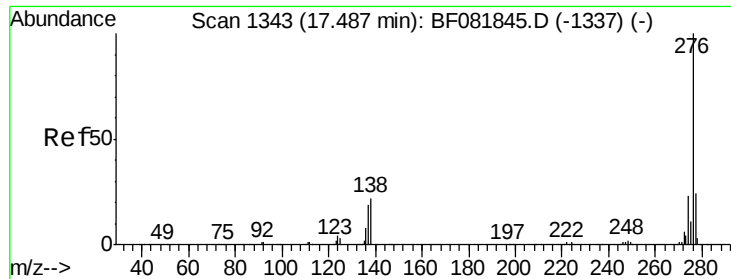
Delta R.T. -0.02 min

Lab File: BF082164.D

Acq: 10 Oct 2015 00:48

Tgt Ion:	252	Resp:	25814
Ion Ratio		Lower	Upper
252	100		
253	25.2	17.2	25.8
125	14.6	18.0	27.0#





#91
 Benzo(g,h,i)perylene
 Concen: 2.14 ng
 RT: 17.30 min Scan# 1327
 Delta R.T. -0.02 min
 Lab File: BF082164.D
 Acq: 10 Oct 2015 00:48

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.8	26.6
138	21.3	34.6	51.8#

Manual Integrations
 APPROVED

MMDadoda
 10/12/2015 2:46:36 PM

