

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081163.D
 Acq On : 24 Aug 2015 11:47
 Operator : UM/IZ
 Sample : G3363-09DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2DL

Manual Integrations
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Quant Time: Aug 24 14:44:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	87413	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	364376	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	159661	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	320251	20.00	ng	0.00
75) Chrysene-d12	13.66	240	228339	20.00	ng	0.00
86) Perylene-d12	15.00	264	176789	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	348424	59.95	ng	0.01
7) Phenol-d6	6.18	99	438412	57.82	ng	-0.01
23) Nitrobenzene-d5	7.11	82	301762	37.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	83587	60.40	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	434553	35.66	ng	0.00
78) Terphenyl-d14	12.62	244	384244	36.08	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.84	128	96008	4.73	ng	98
37) 2-Methylnaphthalene	8.54	142	36842m	2.87	ng	
49) Dimethylphthalate	9.30	163	90265	6.86	ng	100
51) Acenaphthene	9.60	154	92595	7.65	ng	99
54) Dibenzofuran	9.77	168	94952	5.86	ng	97
57) Fluorene	10.10	166	92584	7.42	ng	99
70) Phenanthrene	11.08	178	1007983	53.11	ng	100
71) Anthracene	11.11	178	241533	13.08	ng	99
72) Carbazole	11.27	167	117616	6.61	ng	99
74) Fluoranthene	12.25	202	1126791	55.02	ng	96
77) Pyrene	12.47	202	797656	42.97	ng	98
80) Benzo(a)anthracene	13.65	228	449554	29.36	ng	99
82) Chrysene	13.68	228	285394m	20.68	ng	
85) Indeno(1,2,3-cd)pyrene	16.16	276	138321	14.28	ng	96
87) Benzo(b)fluoranthene	14.64	252	317080m	25.36	ng	
88) Benzo(k)fluoranthene	14.65	252	124547m	10.69	ng	
89) Benzo(a)pyrene	14.94	252	212902	19.54	ng	# 91
90) Dibenzo(a,h)anthracene	16.17	278	45935	5.41	ng	# 89
91) Benzo(g,h,i)perylene	16.52	276	123412	14.33	ng	# 90

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

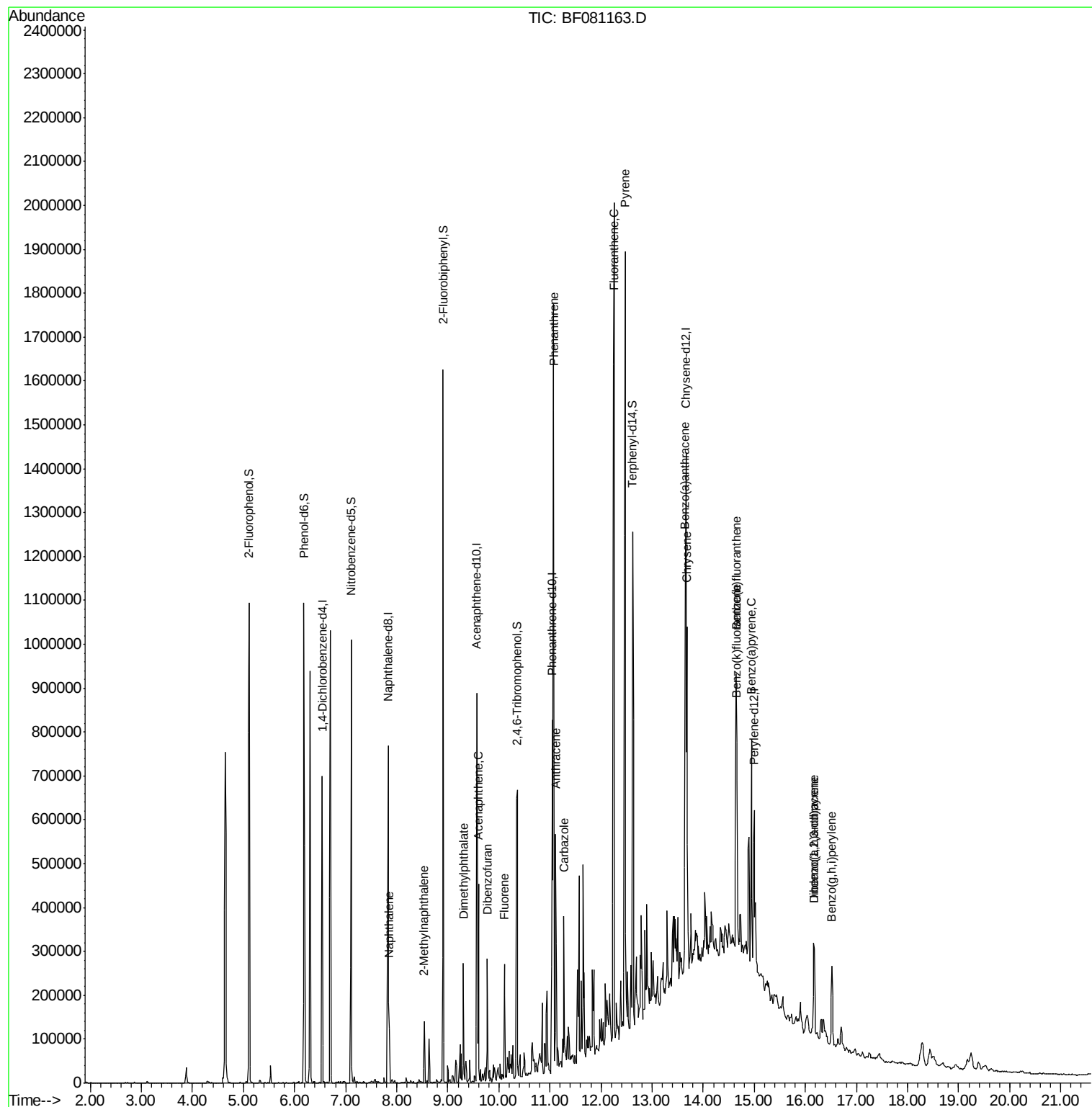
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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ALS Vial : 3 Sample Multiplier: 1

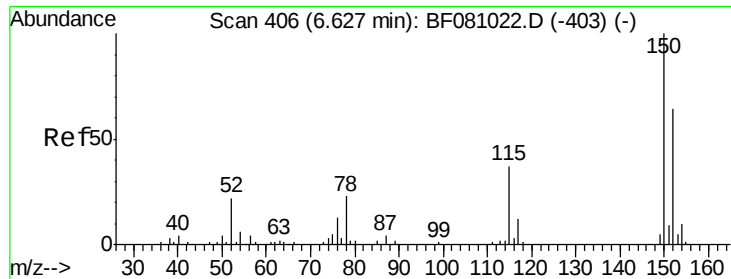
Instrument :
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ClientSampleId :
TEC-C2DL

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Quant Time: Aug 24 14:44:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

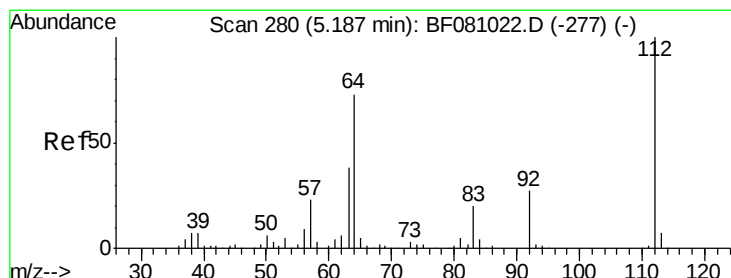
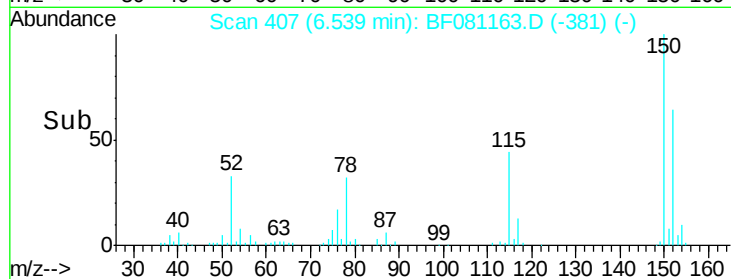
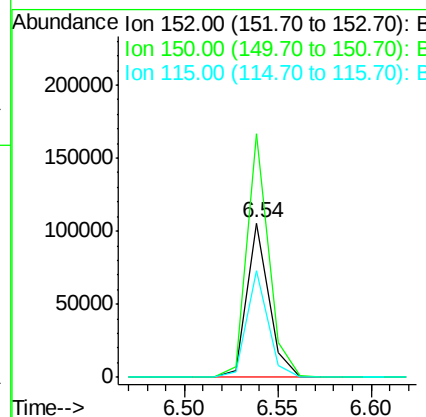
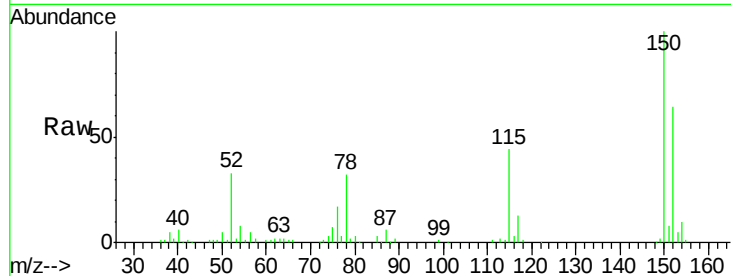
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.8	185.6
115	69.3	52.1	78.1

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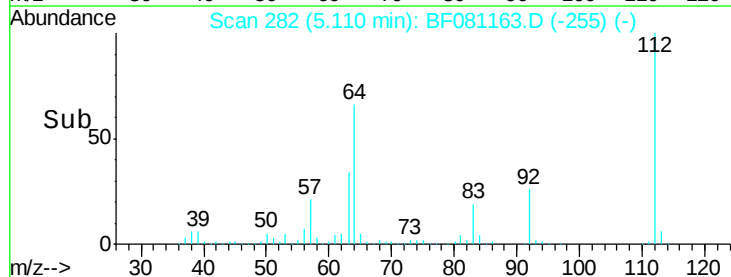
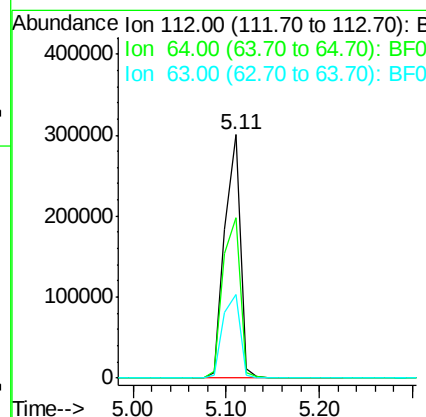
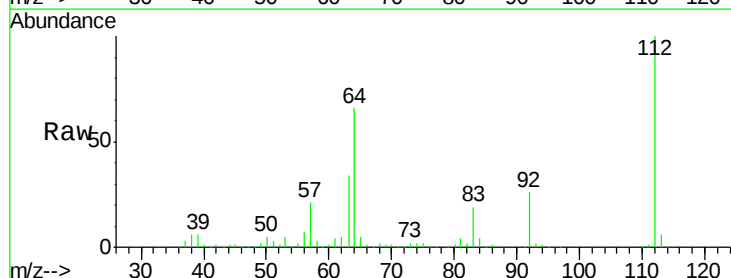
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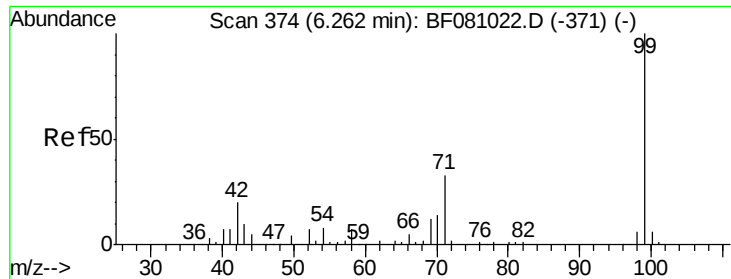


#5

2-Fluorophenol
Concen: 59.95 ng
RT: 5.11 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	66.9	100.3#
63	34.5	38.1	57.1#





#7

Phenol-d6

Concen: 57.82 ng

RT: 6.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF081163.D

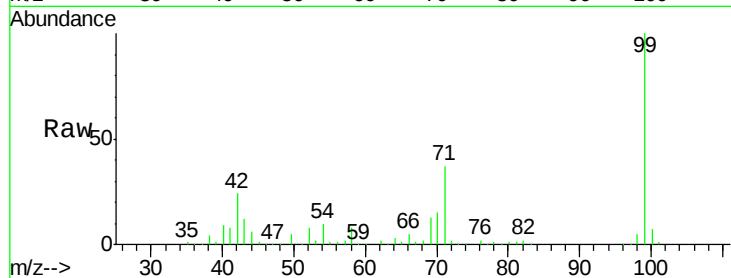
Acq: 24 Aug 2015 11:47

Instrument :

BNA_F

ClientSampleId :

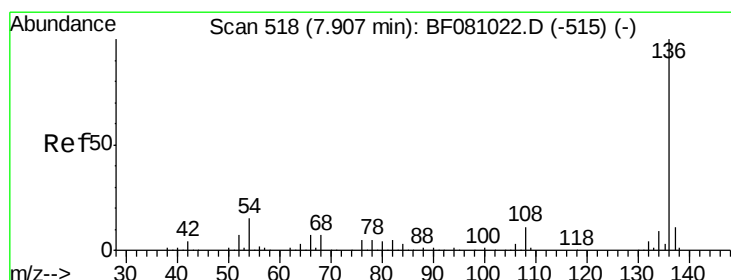
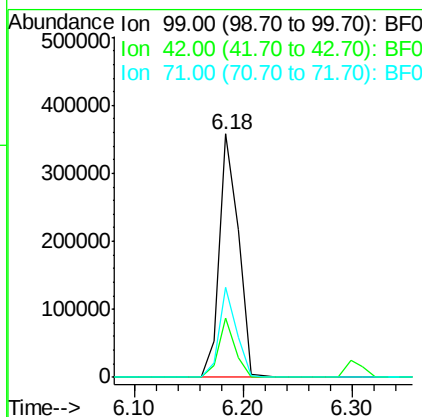
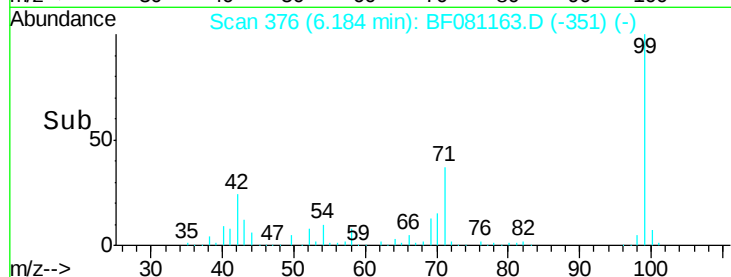
TEC-C2DL



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		438412		
42	24.1	19.6	29.4		
71	36.8	31.2	46.8		

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#21

Naphthalene-d8

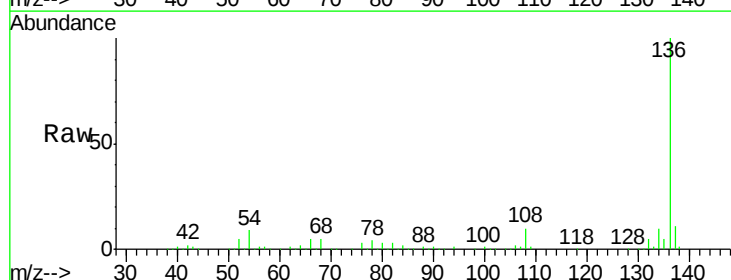
Concen: 20.00 ng

RT: 7.83 min Scan# 520

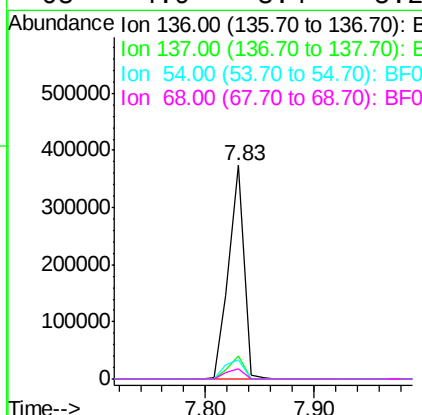
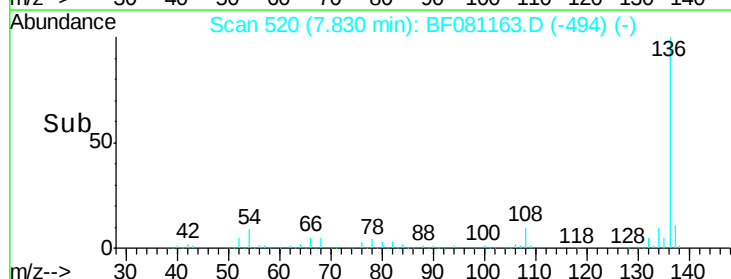
Delta R.T. -0.00 min

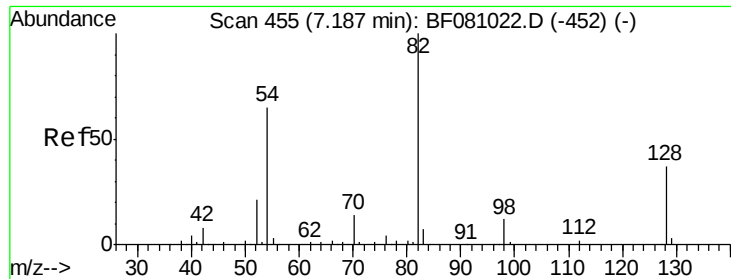
Lab File: BF081163.D

Acq: 24 Aug 2015 11:47



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		364376		
137	10.9	8.2	12.2		
54	8.9	7.7	11.5		
68	4.9	3.4	5.2		





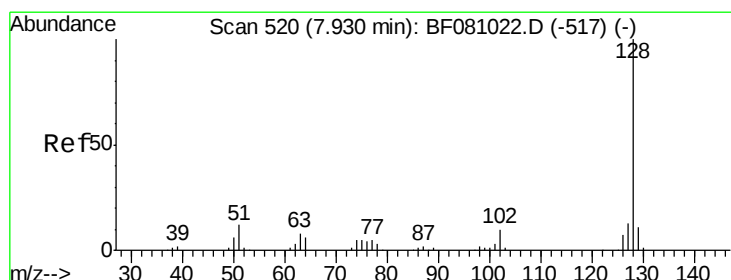
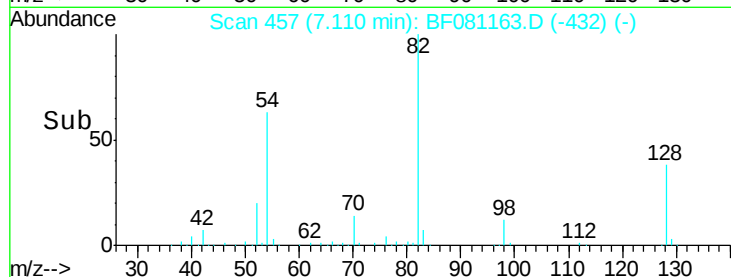
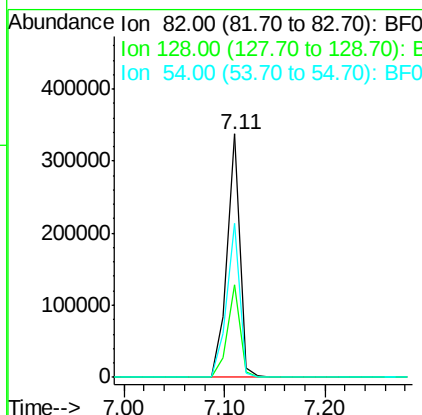
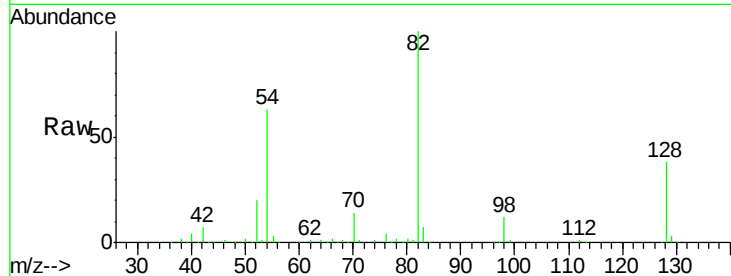
#23
 Nitrobenzene-d5
 Concen: 37.83 ng
 RT: 7.11 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF081163.D
 Acq: 24 Aug 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	301762		
128	37.9	28.6	42.8	
54	63.3	55.1	82.7	

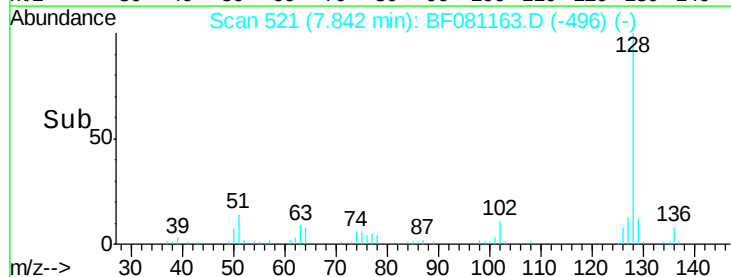
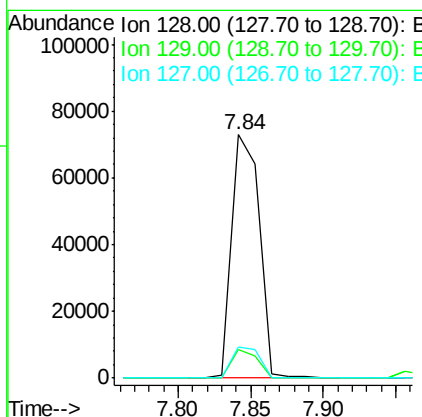
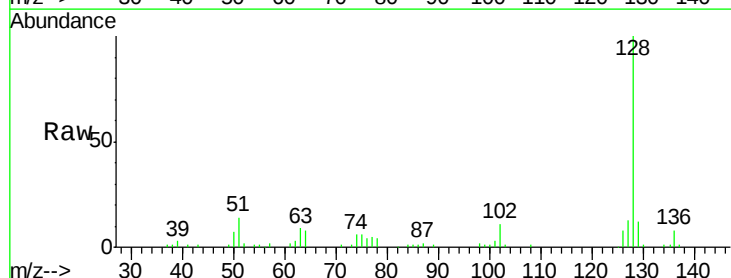
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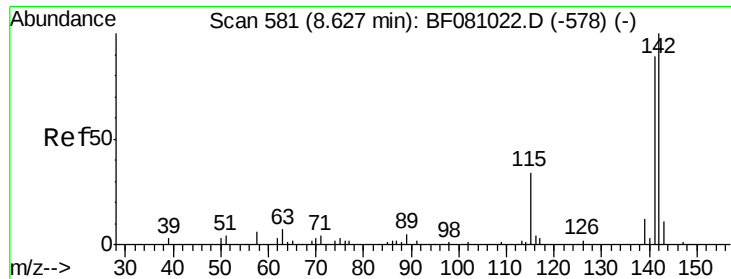
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#31
 Naphthalene
 Concen: 4.73 ng
 RT: 7.84 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: BF081163.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	96008		
129	11.5	8.4	12.6	
127	12.9	10.6	16.0	





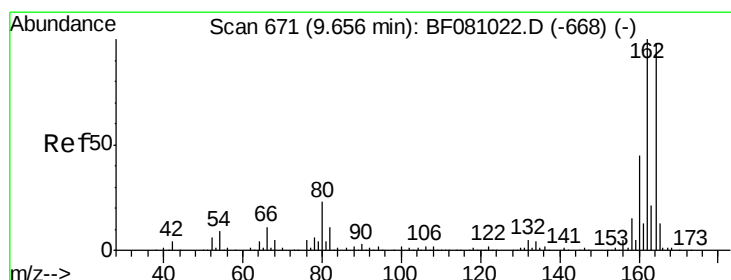
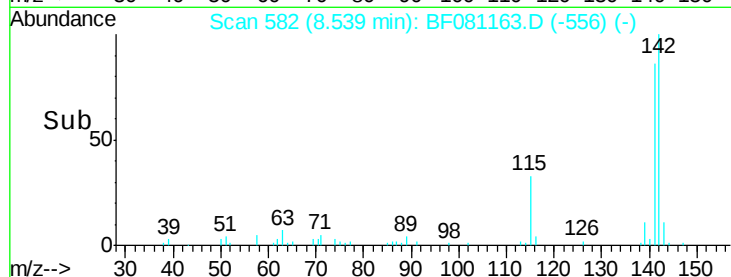
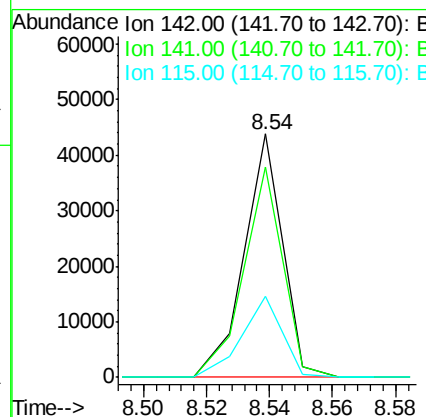
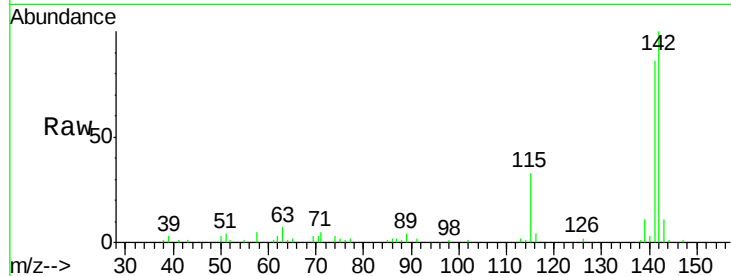
#37
2-Methylnaphthalene
Concen: 2.87 ng m
RT: 8.54 min Scan# 582
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.4	107.2
115	33.3	33.4	50.0#

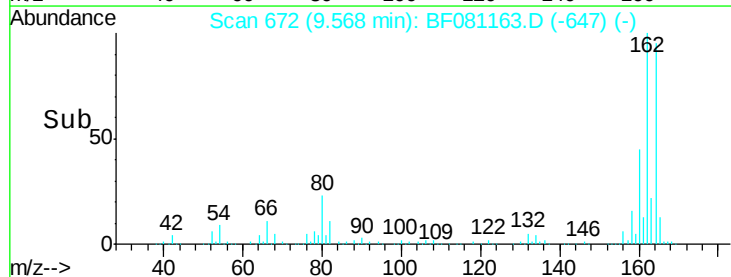
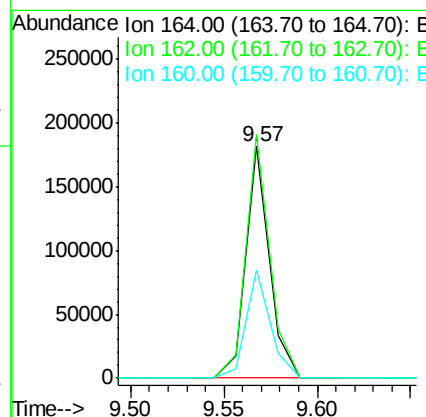
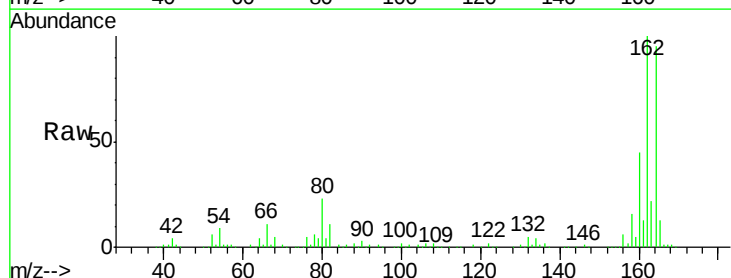
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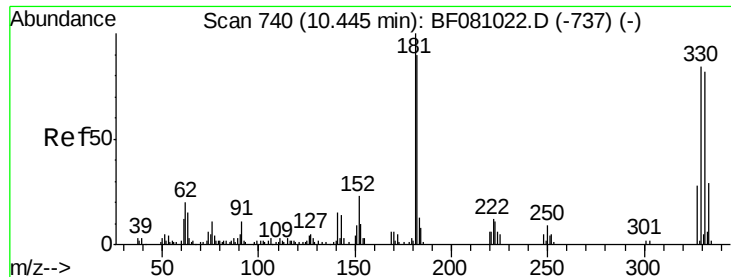
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.8	125.8
160	46.8	39.8	59.8





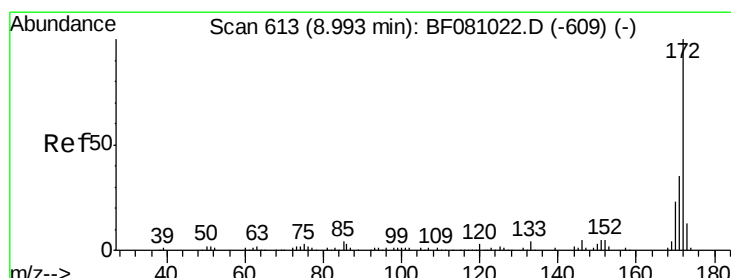
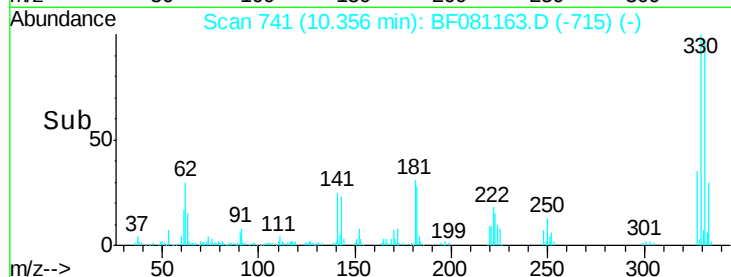
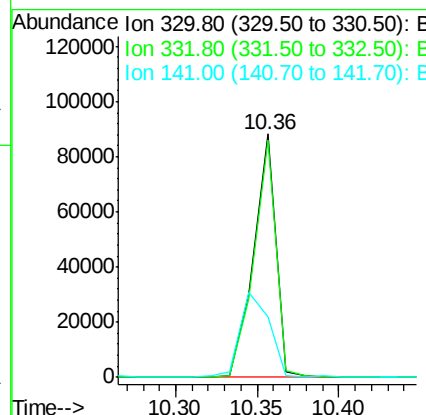
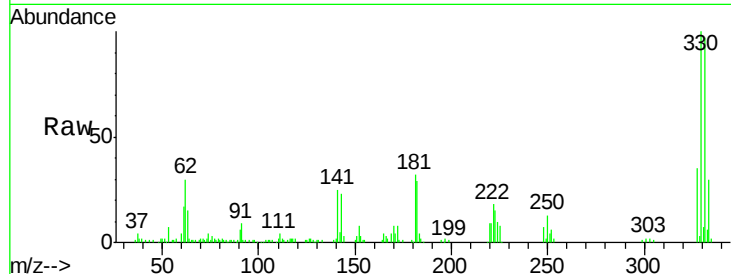
#41
 2,4,6-Tribromophenol
 Concen: 60.40 ng
 RT: 10.36 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF081163.D
 Acq: 24 Aug 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	83587		
332	96.6		77.3	115.9
141	47.0		44.9	67.3

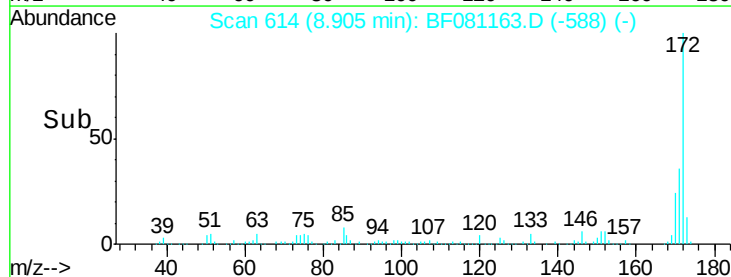
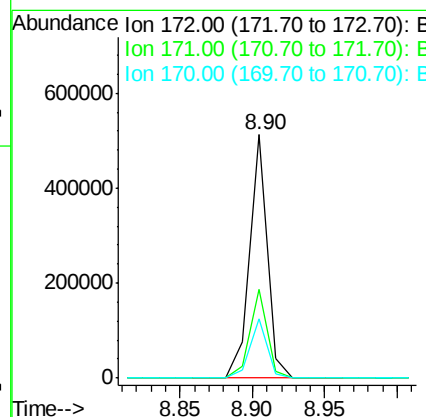
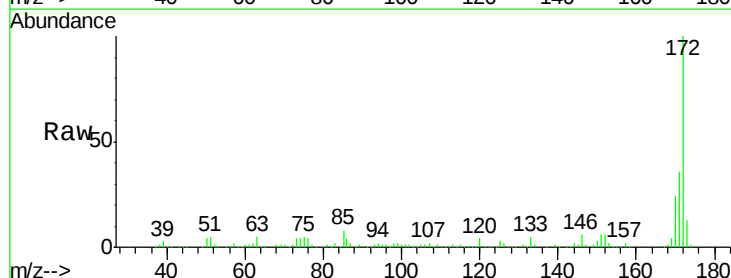
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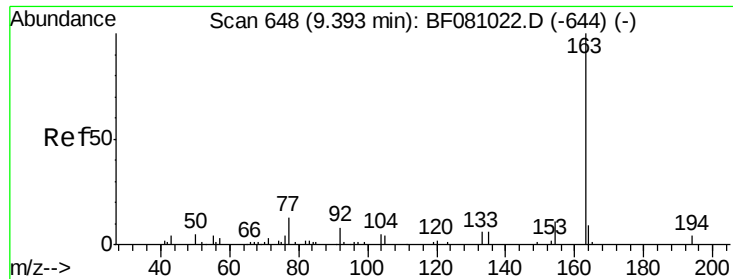
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#44
 2-Fluorobiphenyl
 Concen: 35.66 ng
 RT: 8.90 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF081163.D
 Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	434553		
171	36.4		28.9	43.3
170	24.5		19.4	29.2





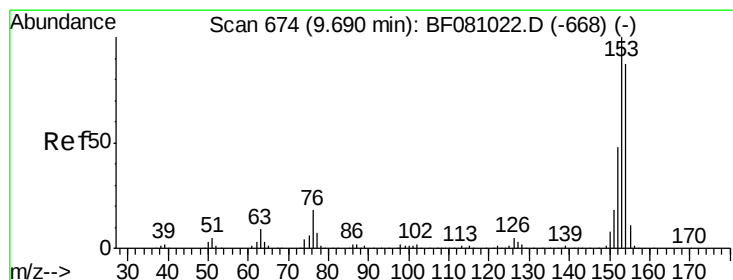
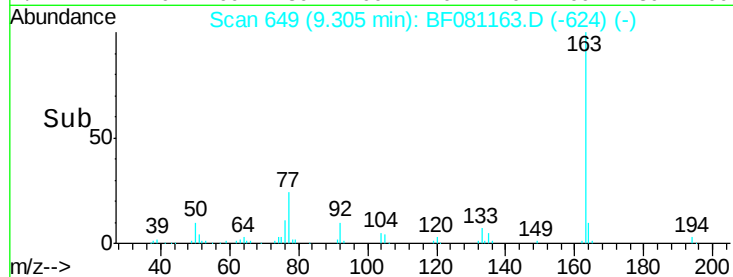
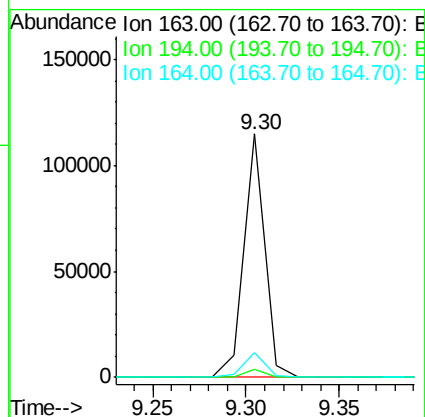
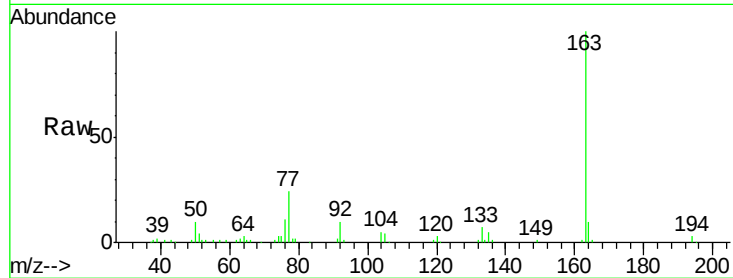
#49
Dimethylphthalate
Concen: 6.86 ng
RT: 9.30 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	90265		
194	3.2		2.5	3.7
164	10.1		8.1	12.1

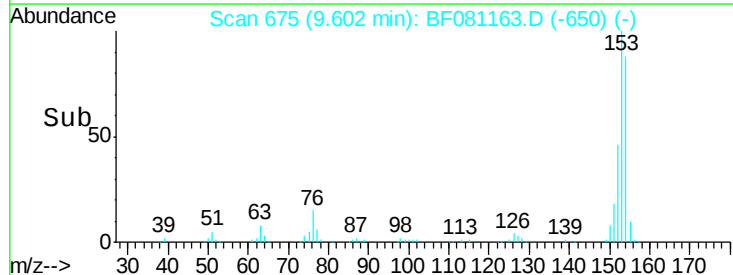
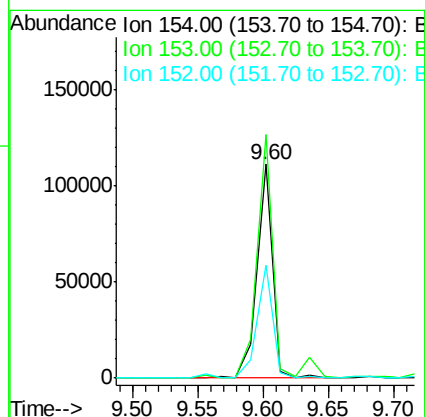
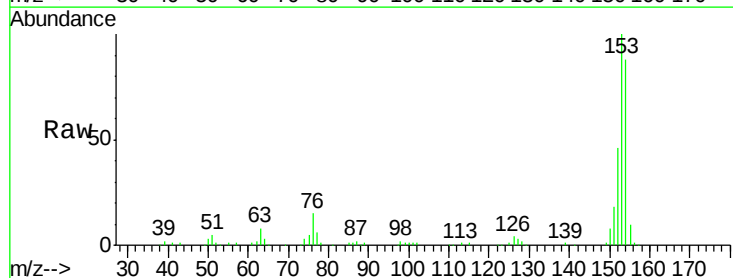
Manual Integrations
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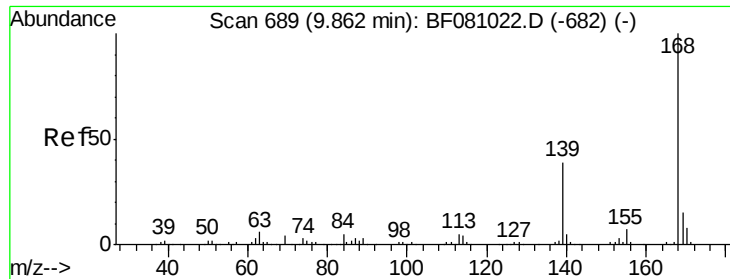
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#51
Acenaphthene
Concen: 7.65 ng
RT: 9.60 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	92595		
153	113.8		91.4	137.2
152	52.9		43.7	65.5





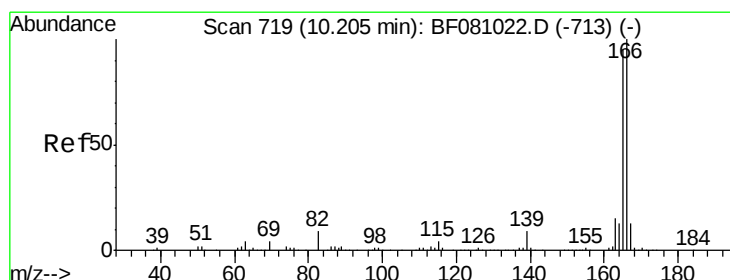
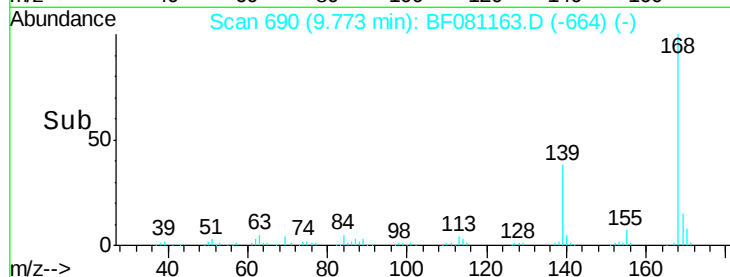
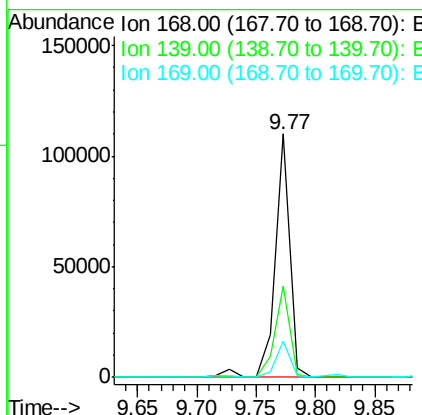
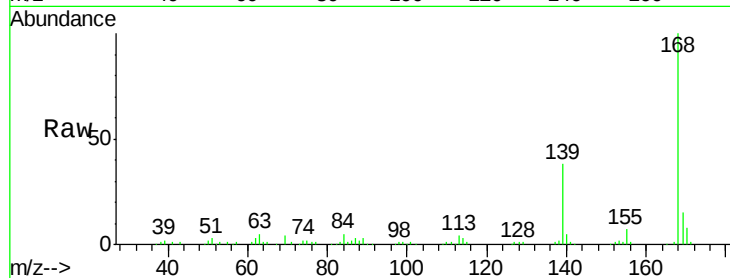
#54
Dibenzenofuran
Concen: 5.86 ng
RT: 9.77 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion:	168	Resp:	94952
Ion Ratio	Lower	Upper	
168	100		
139	37.6	29.3	43.9
169	14.8	10.3	15.5

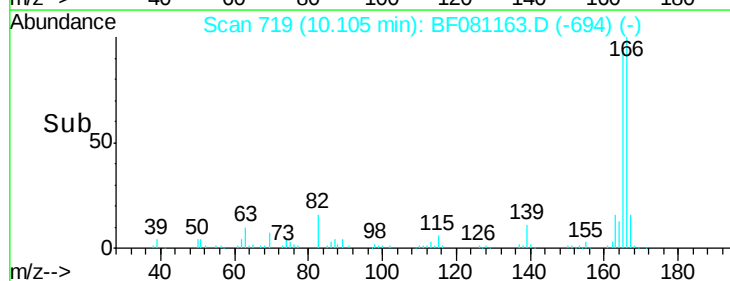
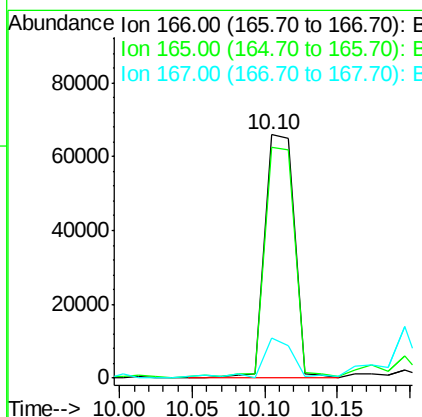
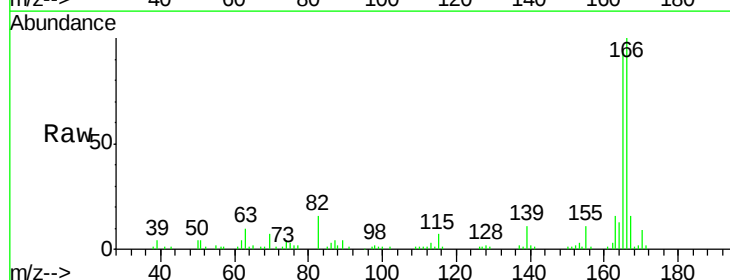
Manual Integrations
APPROVED

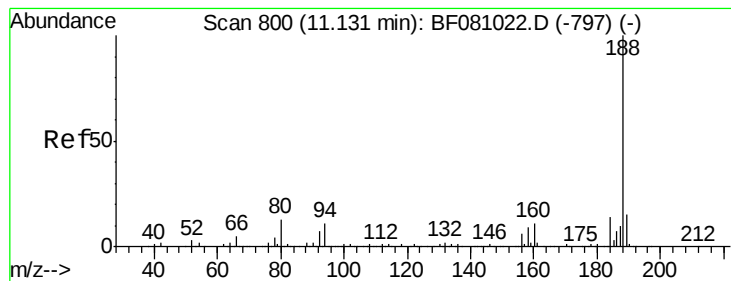
MMDadoda
8/25/2015 12:38:14 PM



#57
Fluorene
Concen: 7.42 ng
RT: 10.10 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion:	166	Resp:	92584
Ion Ratio	Lower	Upper	
166	100		
165	95.0	75.8	113.8
167	16.3	11.3	16.9





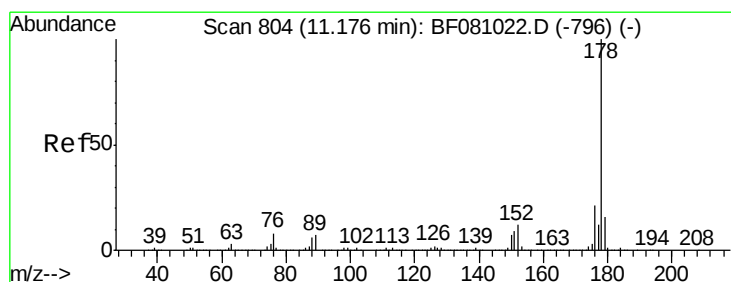
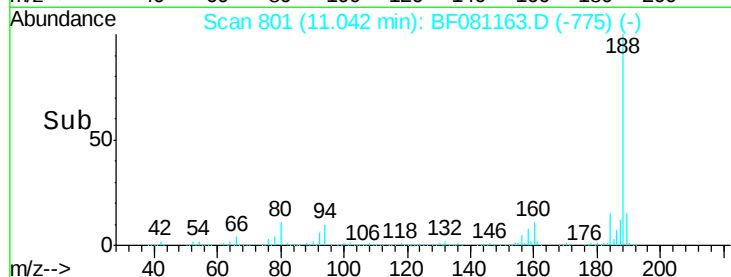
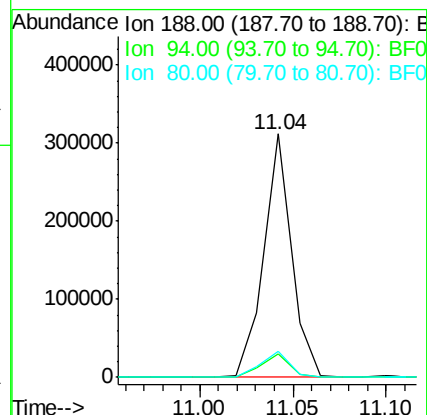
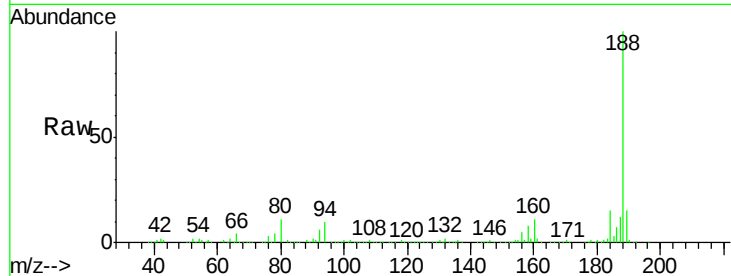
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.7	8.2	12.2
80	10.5	9.5	14.3

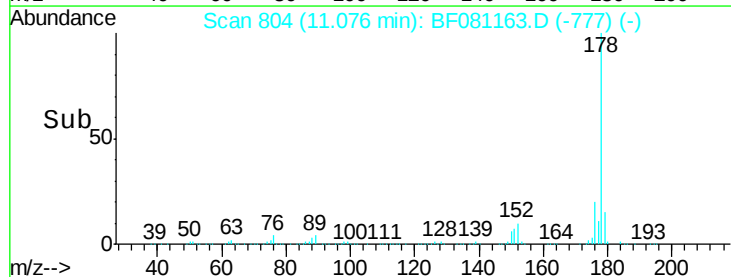
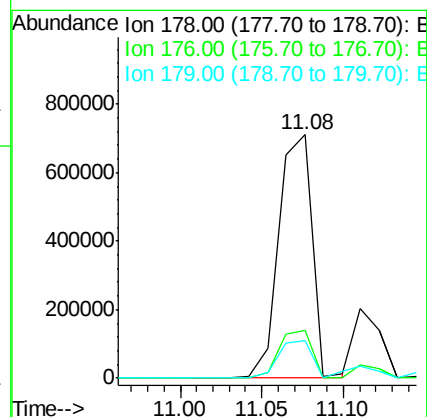
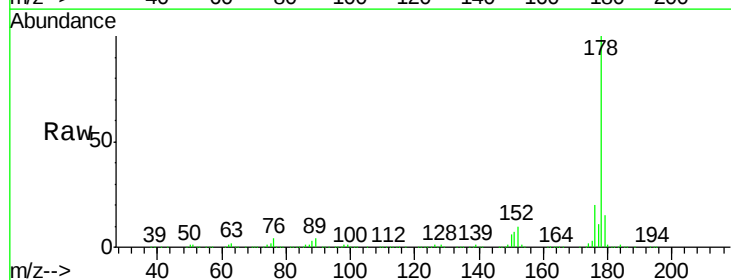
Manual Integrations
APPROVED

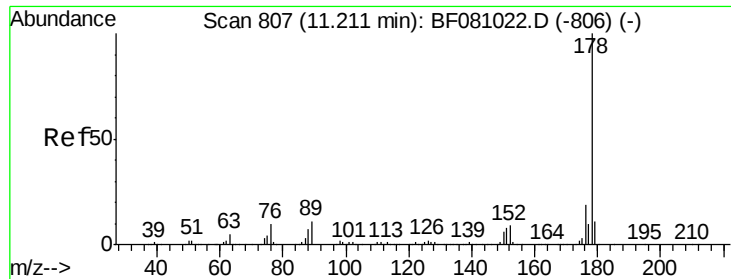
MMDadoda
8/25/2015 12:38:14 PM



#70
Phenanthrene
Concen: 53.11 ng
RT: 11.08 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	15.7	23.5
179	15.2	12.2	18.2





#71

Anthracene

Concen: 13.08 ng

RT: 11.11 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF081163.D

Acq: 24 Aug 2015 11:47

Instrument :

BNA_F

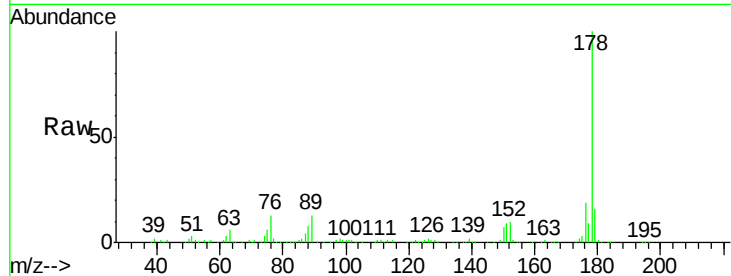
ClientSampleId :

TEC-C2DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	16.4	12.7	19.1

Manual Integrations
APPROVED

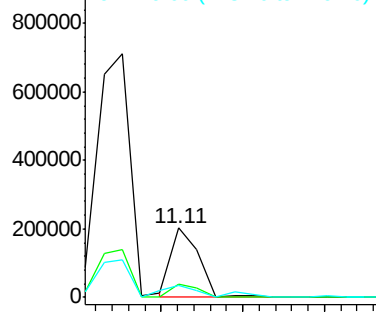
MMDadoda
8/25/2015 12:38:14 PM



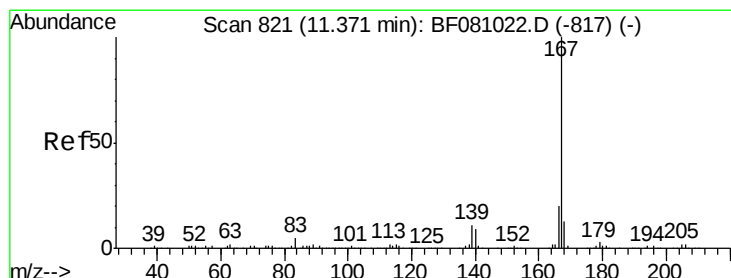
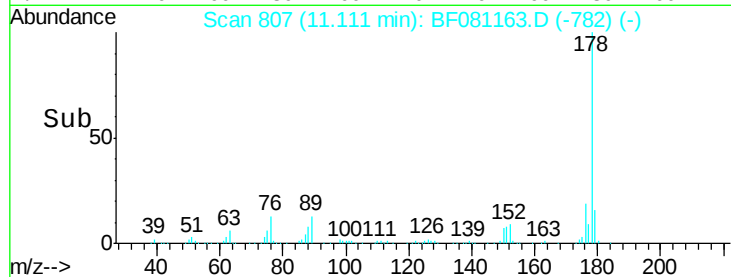
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 6.61 ng

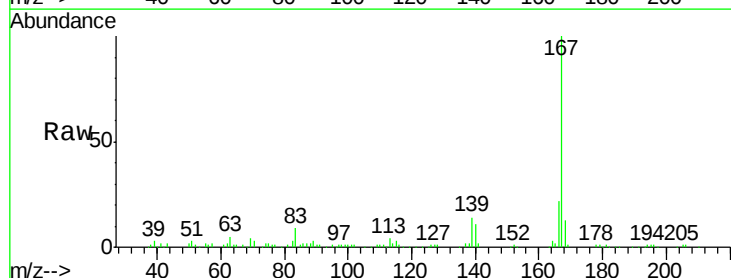
RT: 11.27 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF081163.D

Acq: 24 Aug 2015 11:47

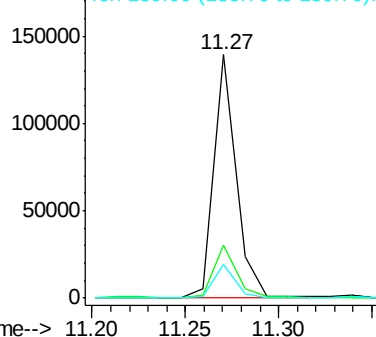
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.0
139	13.8	10.6	16.0



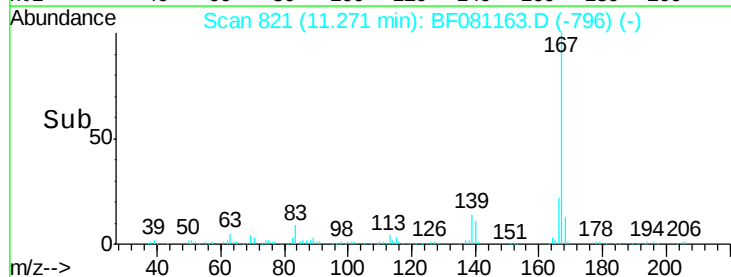
Abundance Ion 167.00 (166.70 to 167.70): E

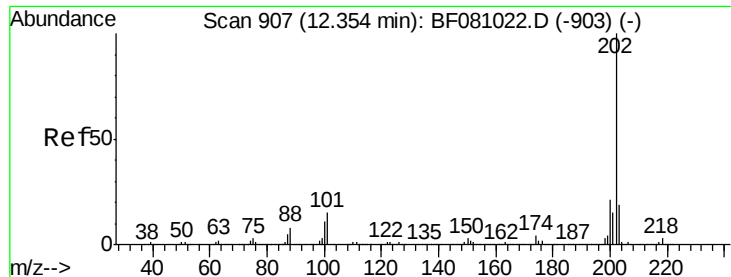
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Fluoranthene

Concen: 55.02 ng

RT: 12.25 min Scan# 907

Delta R.T. 0.01 min

Lab File: BF081163.D

Acq: 24 Aug 2015 11:47

Instrument :

BNA_F

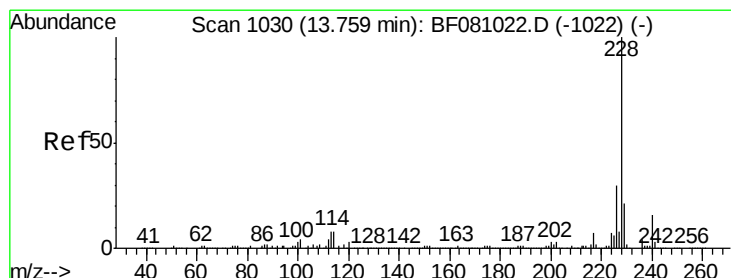
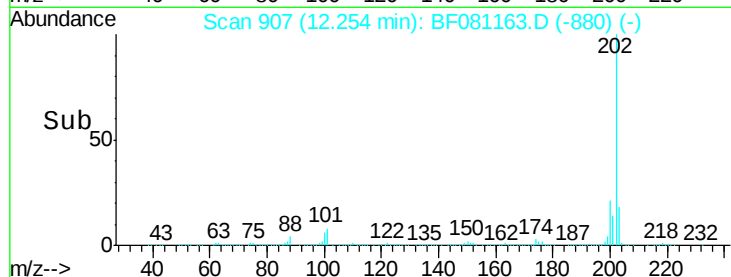
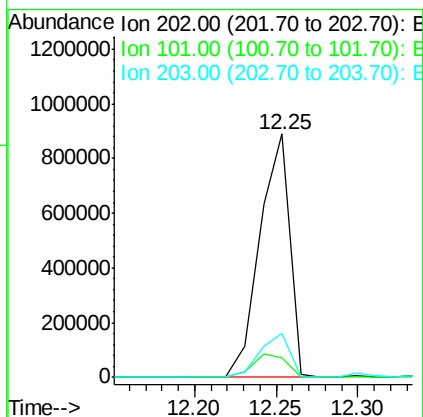
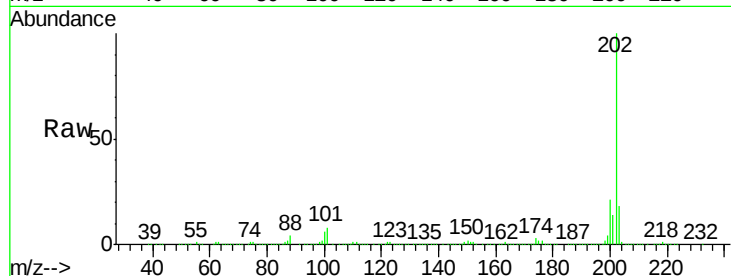
ClientSampleId :

TEC-C2DL

Tgt	Ion	202	Resp:	1126791
Ion	Ratio	Lower	Upper	
202	100			
101	7.9	0.0	24.8	
203	18.1	0.0	36.9	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

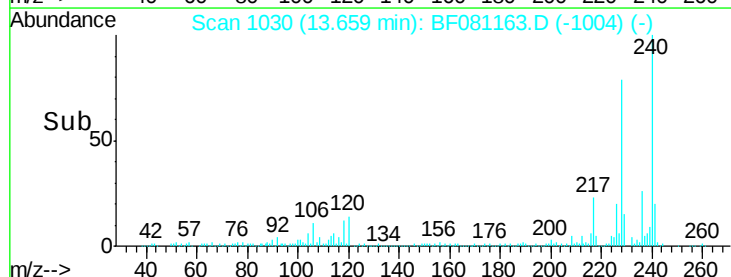
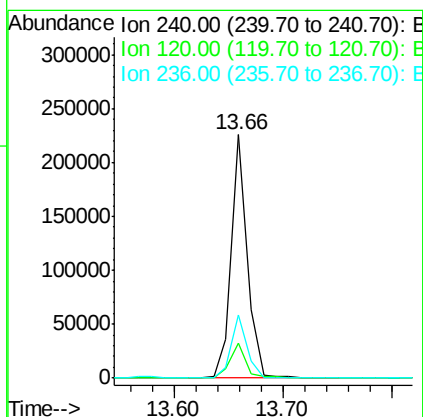
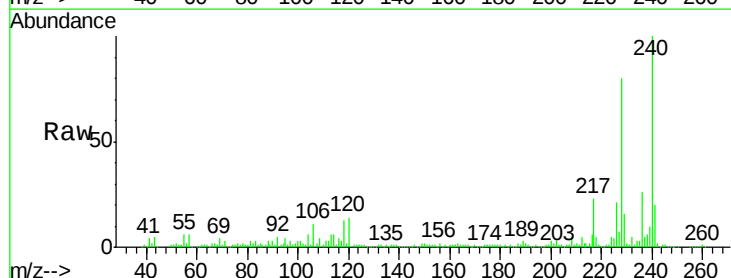
RT: 13.66 min Scan# 1030

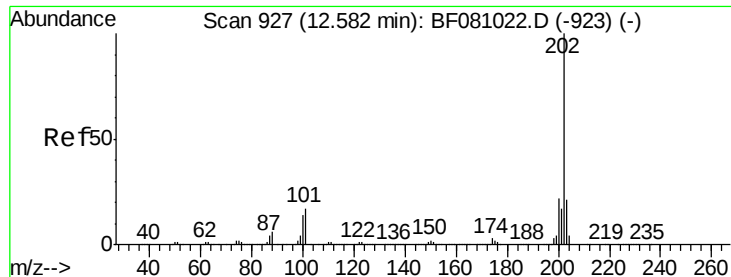
Delta R.T. -0.00 min

Lab File: BF081163.D

Acq: 24 Aug 2015 11:47

Tgt	Ion	240	Resp:	228339
Ion	Ratio	Lower	Upper	
240	100			
120	14.1	5.6	8.4#	
236	26.1	20.6	30.8	





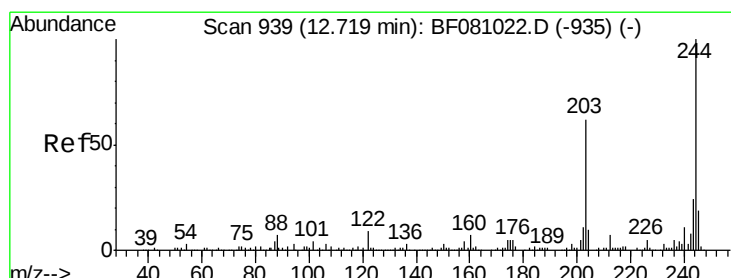
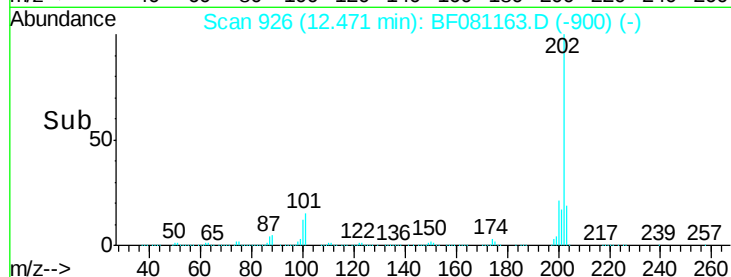
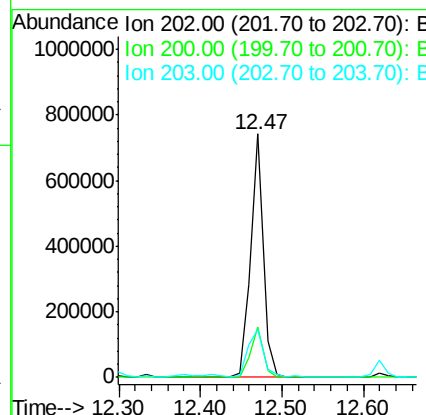
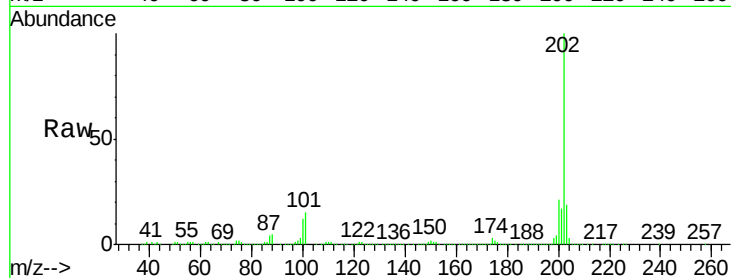
#77
Pyrene
Concen: 42.97 ng
RT: 12.47 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		797656		
200	20.9	16.6	24.8		
203	19.4	14.1	21.1		

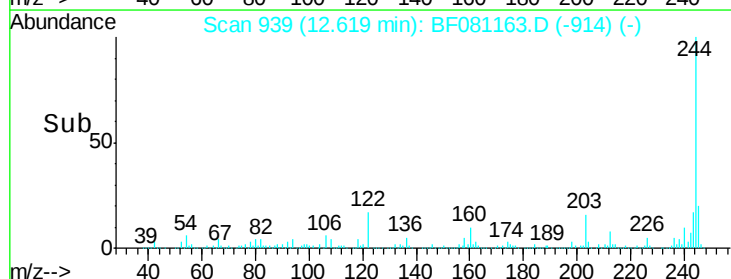
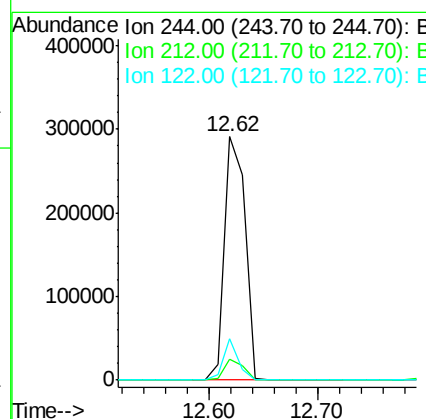
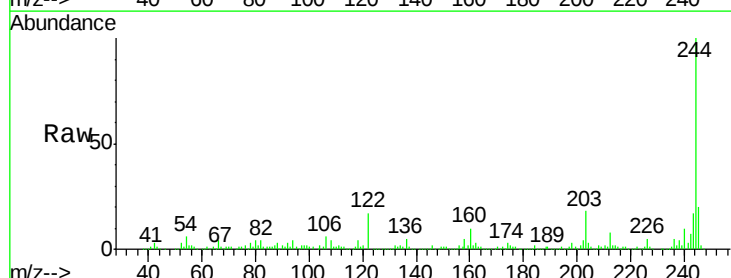
Manual Integrations
APPROVED

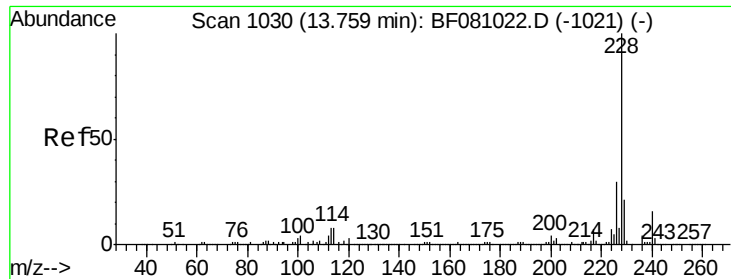
MMDadoda
8/25/2015 12:38:14 PM



#78
Terphenyl-d14
Concen: 36.08 ng
RT: 12.62 min Scan# 939
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		384244		
212	8.4	5.8	8.8		
122	17.0	8.2	12.4#		





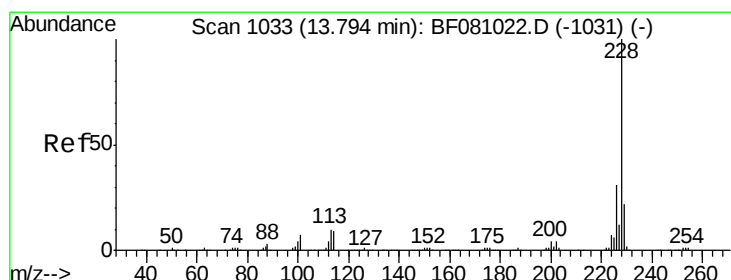
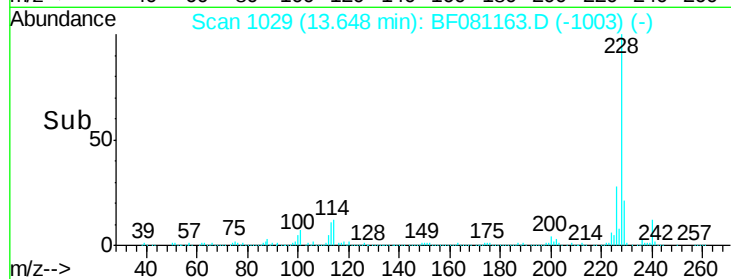
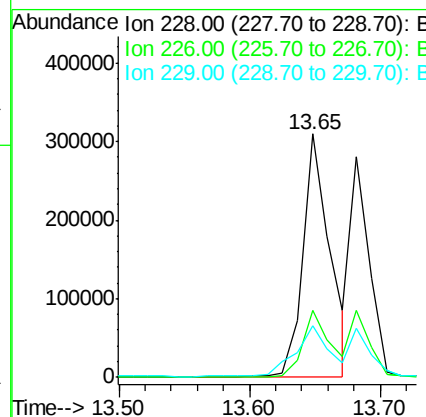
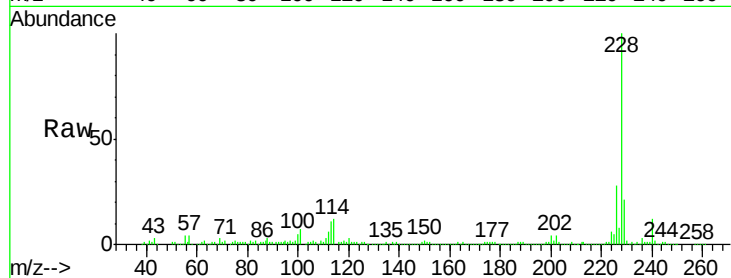
#80
Benzo(a)anthracene
Concen: 29.36 ng
RT: 13.65 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	449554		
226	27.7	22.3	33.5	
229	21.0	15.9	23.9	

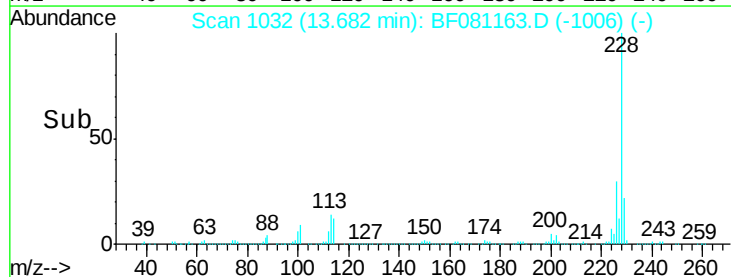
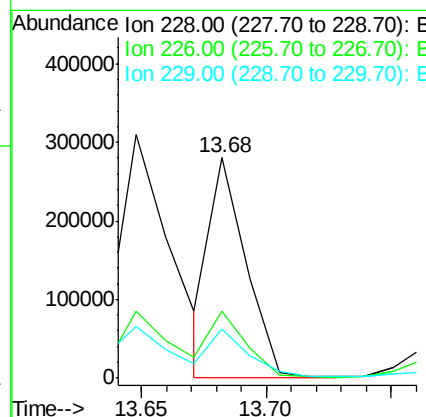
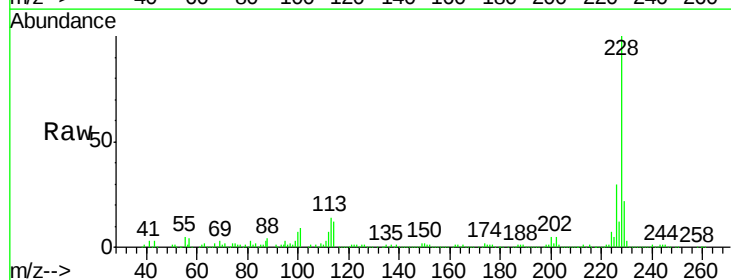
Manual Integrations
APPROVED

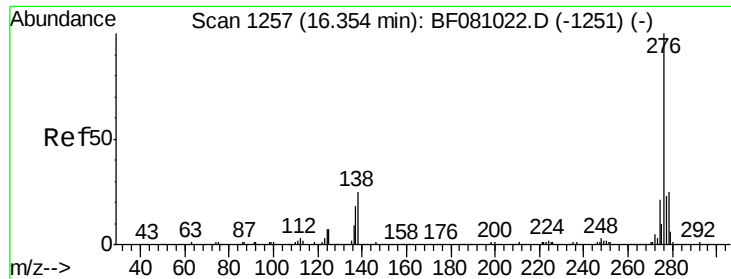
MMDadoda
8/25/2015 12:38:14 PM



#82
Chrysene
Concen: 20.68 ng m
RT: 13.68 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	285394		
226	30.2	24.4	36.6	
229	22.3	16.0	24.0	





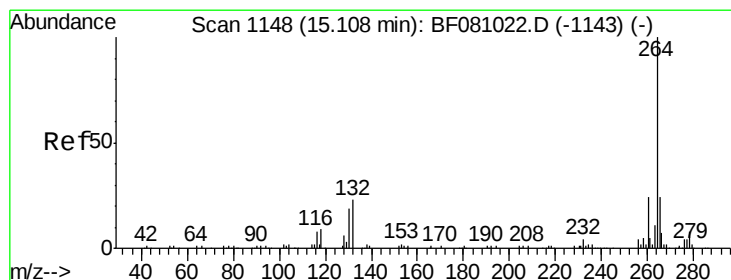
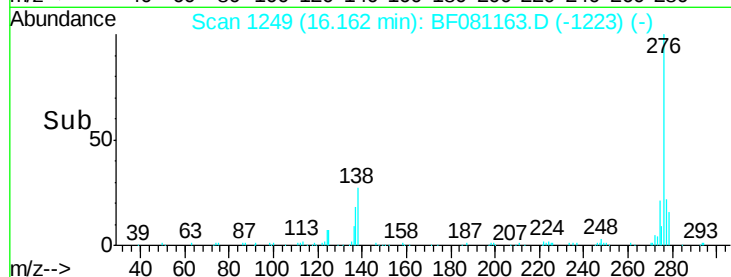
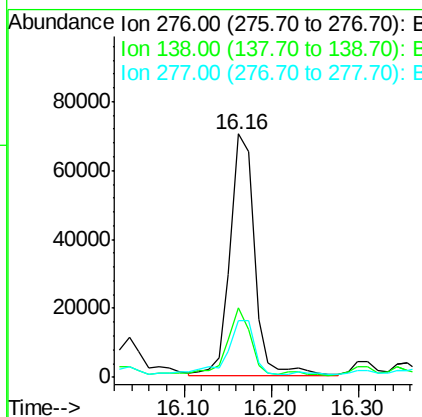
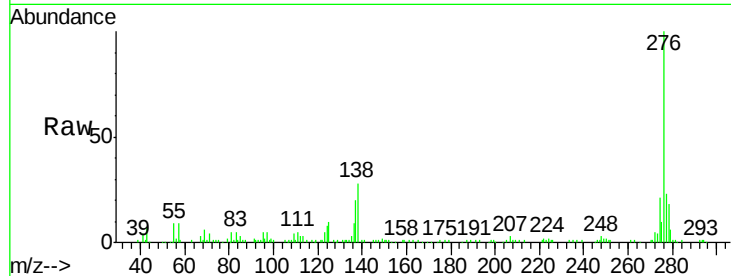
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.28 ng
 RT: 16.16 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BF081163.D
 Acq: 24 Aug 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	18.6	28.0
277	25.3	19.8	29.8

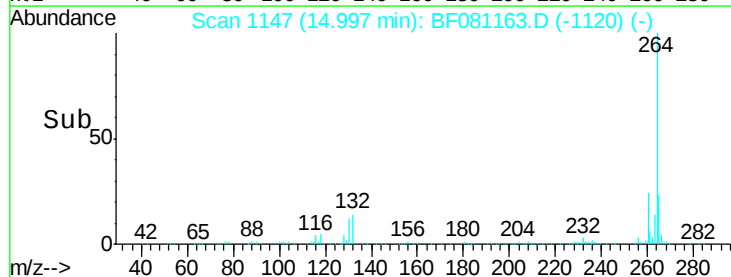
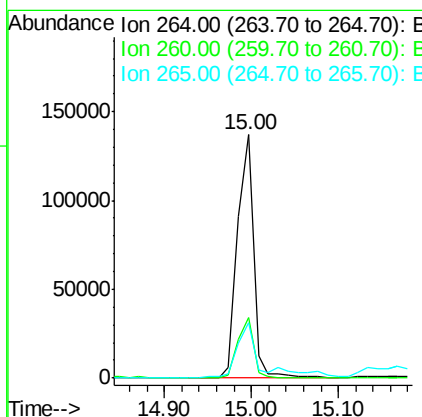
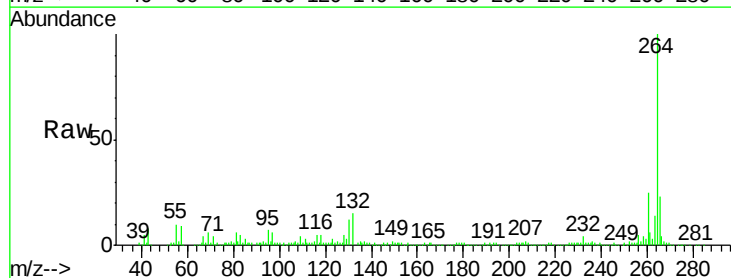
Manual Integrations
 APPROVED

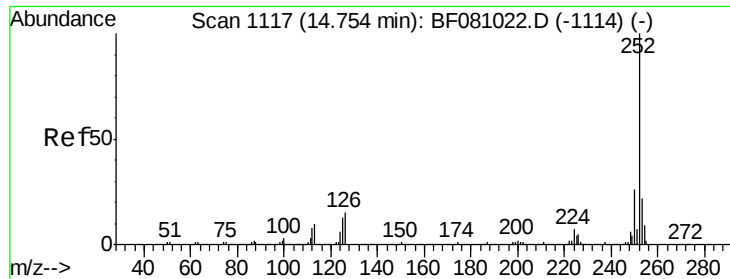
MMDadoda
 8/25/2015 12:38:14 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.00 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF081163.D
 Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	22.9	17.5	26.3





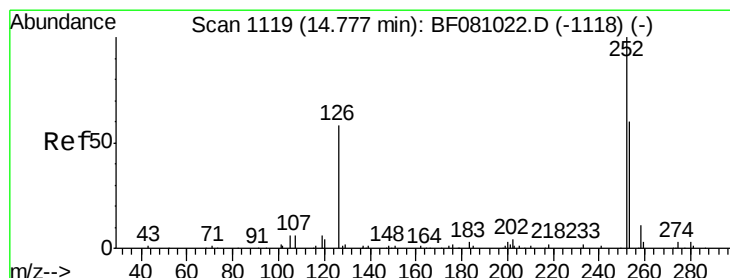
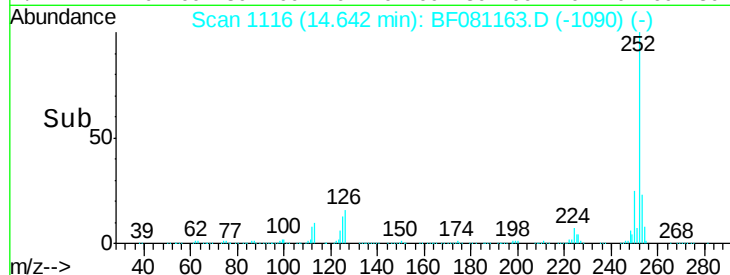
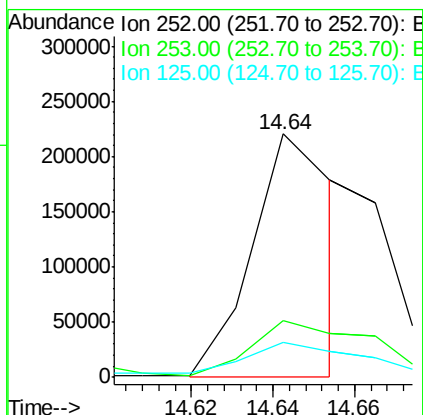
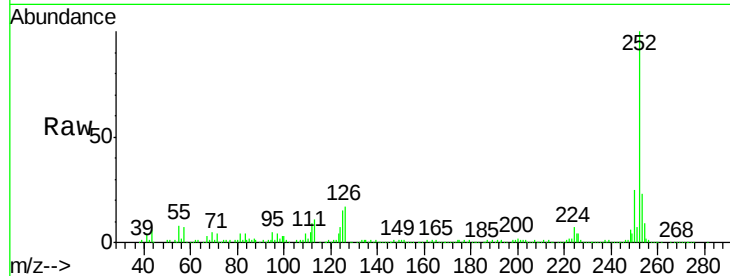
#87
Benzo(b)fluoranthene
Concen: 25.36 ng m
RT: 14.64 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	317080		
253	23.4	17.1	25.7	
125	14.5	8.0	12.0	

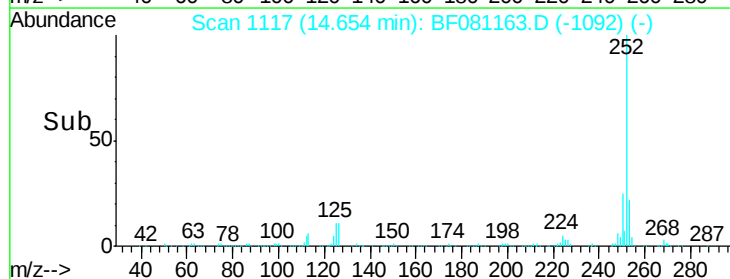
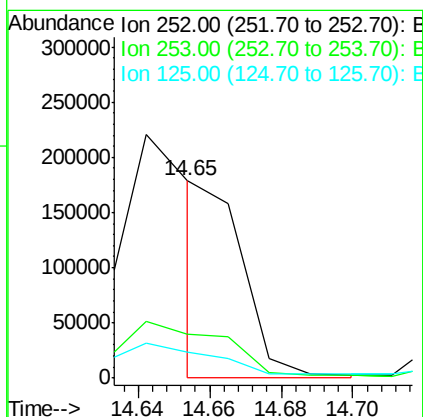
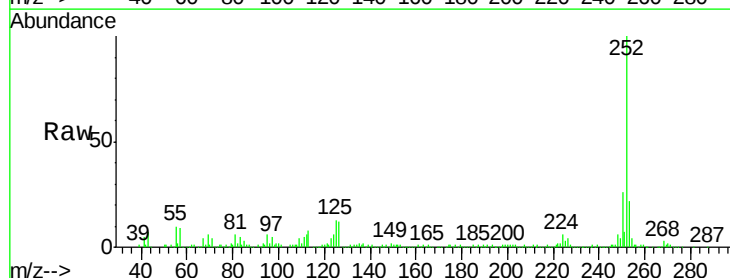
Manual Integrations
APPROVED

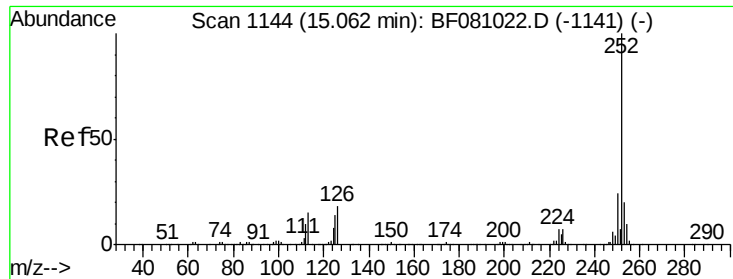
MMDadoda
8/25/2015 12:38:14 PM



#88
Benzo(k)fluoranthene
Concen: 10.69 ng m
RT: 14.65 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	124547		
253	22.4	17.6	26.4	
125	13.3	10.3	15.5	





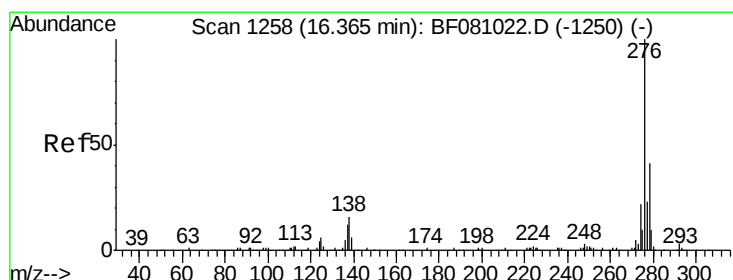
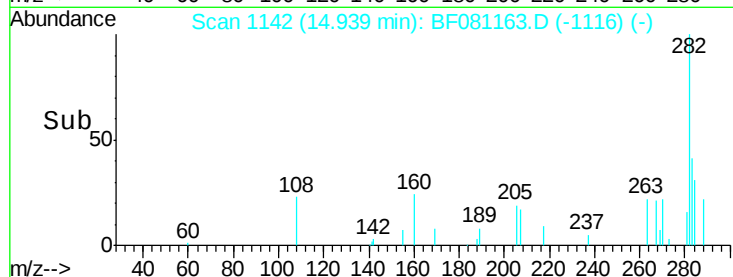
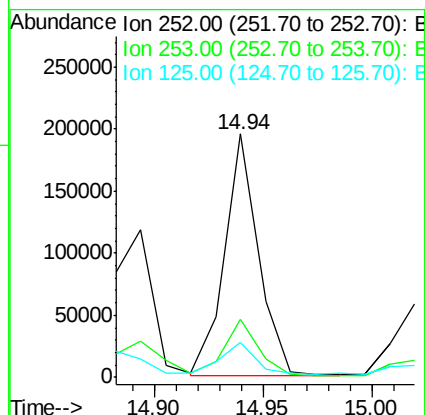
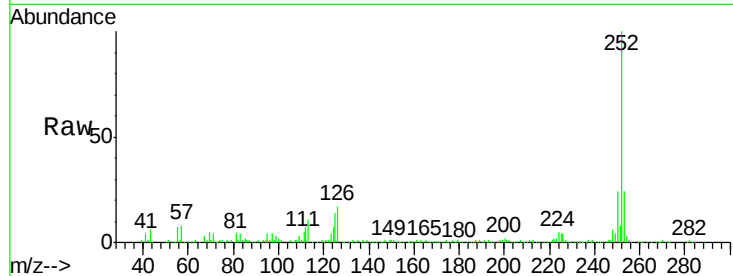
#89
Benzo(a)pyrene
Concen: 19.54 ng
RT: 14.94 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Instrument :
BNA_F
ClientSampleId :
TEC-C2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.9	16.6	25.0
125	14.4	7.8	11.8

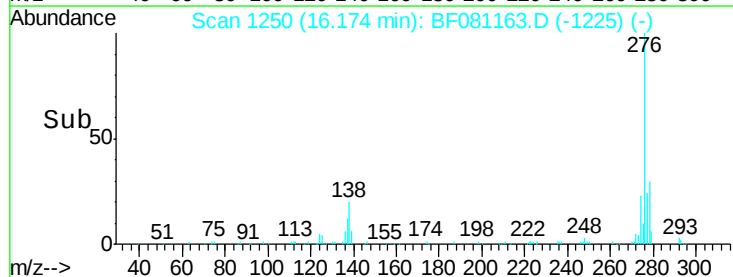
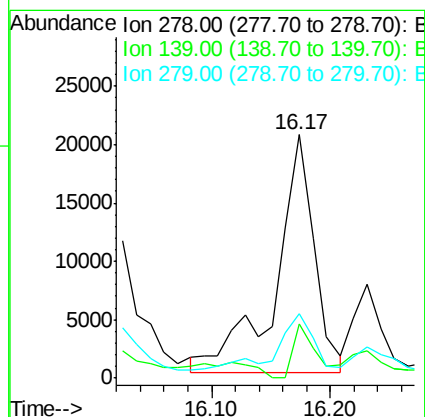
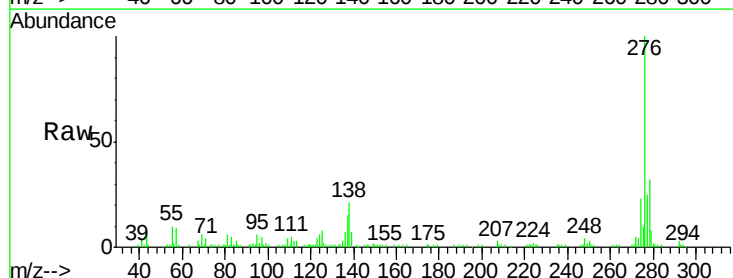
Manual Integrations
APPROVED

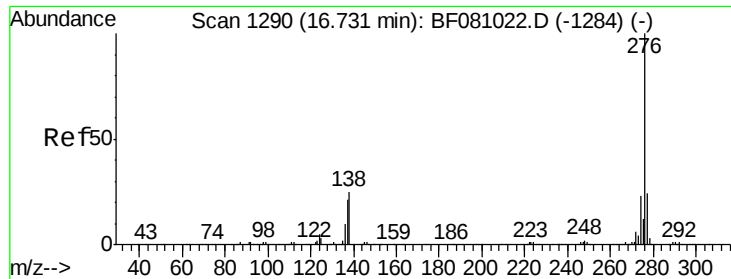
MMDadoda
8/25/2015 12:38:14 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.41 ng
RT: 16.17 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF081163.D
Acq: 24 Aug 2015 11:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	22.4	10.8	16.2
279	26.3	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 14.33 ng
 RT: 16.52 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: BF081163.D
 Acq: 24 Aug 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.0	18.2	27.2
138	27.1	13.7	20.5

Manual Integrations
 APPROVED

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