

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082152.D
 Acq On : 9 Oct 2015 18:41
 Operator : UM/IZ
 Sample : G3963-02DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL

Manual Integrations
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 10/12/2015 2:43:55 PM

Quant Time: Oct 09 19:27:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 02:46:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105857m	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	430492	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	185881	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	317235	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	236346	20.00	ng	-0.03
86) Perylene-d12	15.46	264	208669	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	314767	53.98	ng	-0.02
7) Phenol-d6	6.48	99	416731	56.79	ng	-0.02
23) Nitrobenzene-d5	7.42	82	265512	41.11	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	98348	52.24	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	508002	41.28	ng	-0.03
78) Terphenyl-d14	12.97	244	390800	47.12	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.16	128	95956	5.03	ng	99
48) Acenaphthylene	9.75	152	60301	3.35	ng	96
49) Dimethylphthalate	9.61	163	118247	9.22	ng	# 98
51) Acenaphthene	9.92	154	34272	3.20	ng	88
54) Dibenzofuran	10.10	168	42894	2.84	ng	96
57) Fluorene	10.45	166	55117	3.11	ng	90
70) Phenanthrene	11.41	178	614708	40.08	ng	96
71) Anthracene	11.45	178	141620	8.78	ng	97
72) Carbazole	11.61	167	83821	5.74	ng	96
74) Fluoranthene	12.60	202	820765	48.30	ng	91
77) Pyrene	12.82	202	630308	44.64	ng	96
80) Benzo(a)anthracene	14.01	228	371888m	29.22	ng	
82) Chrysene	14.05	228	299261	21.58	ng	94
85) Indeno(1,2,3-cd)pyrene	16.88	276	150258	15.09	ng	# 85
87) Benzo(b)fluoranthene	15.05	252	395743m	33.22	ng	
88) Benzo(k)fluoranthene	15.06	252	183253m	16.78	ng	
89) Benzo(a)pyrene	15.41	252	269972	26.12	ng	# 84
90) Dibenzo(a,h)anthracene	16.89	278	38445	4.43	ng	# 77
91) Benzo(g,h,i)perylene	17.30	276	121858	13.71	ng	# 77

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

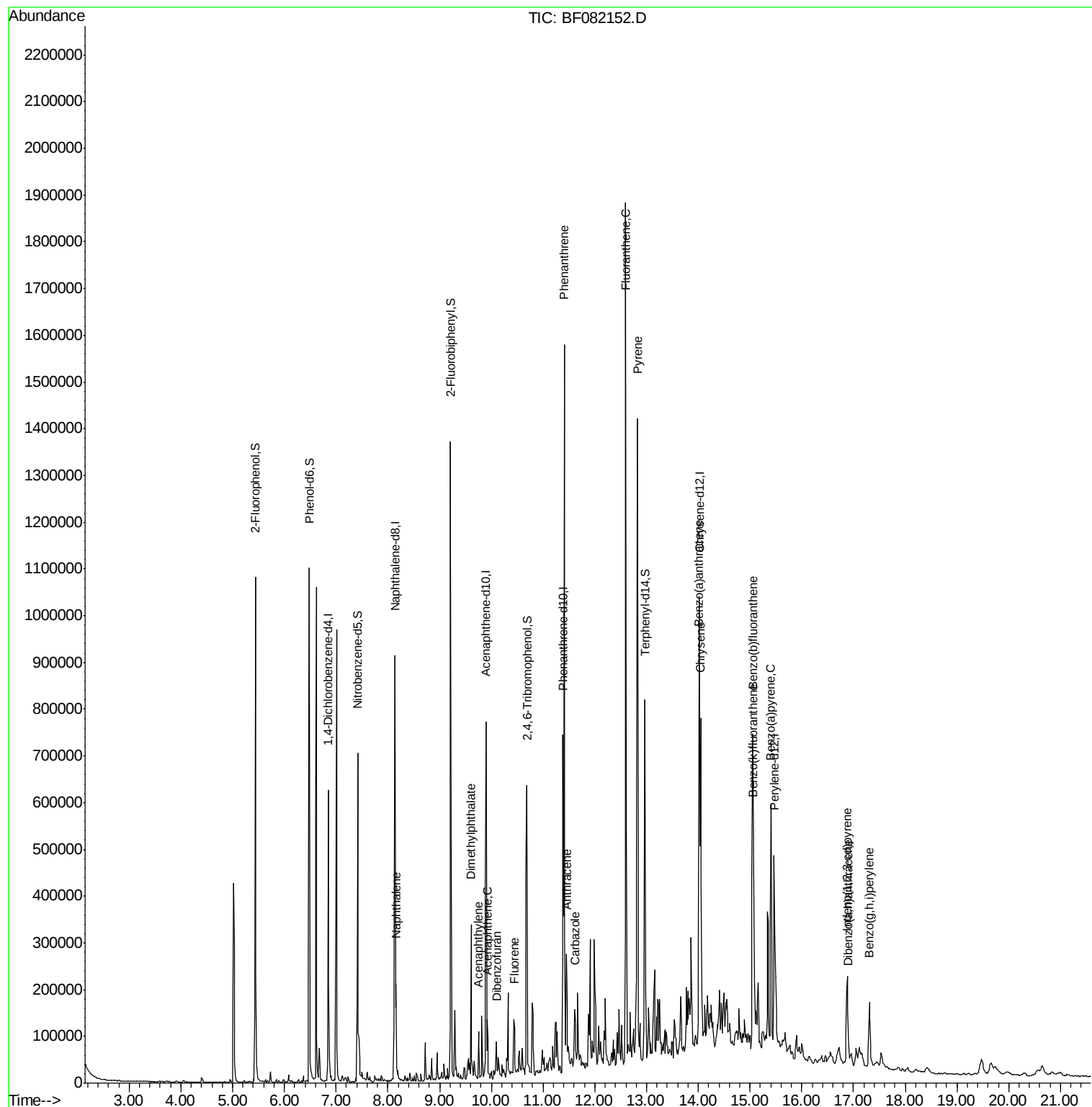
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
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ALS Vial : 11 Sample Multiplier: 1

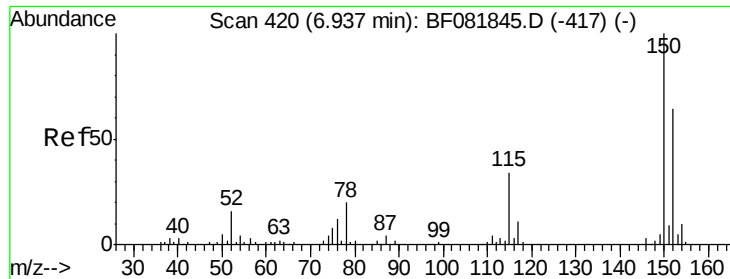
Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

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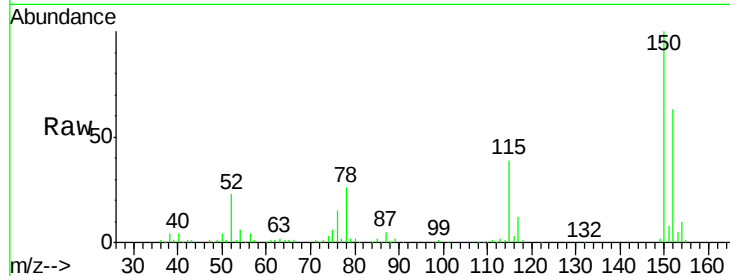
Quant Time: Oct 09 19:27:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 02:46:05 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.85 min Scan# 412
 Delta R.T. -0.03 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

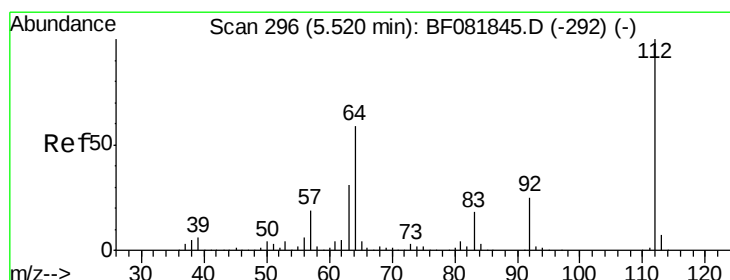
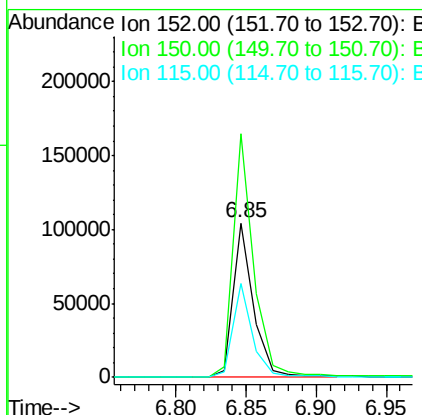
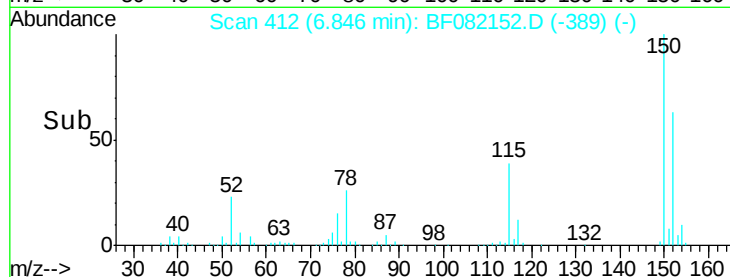
Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.7	187.1
115	60.7	39.0	58.4#

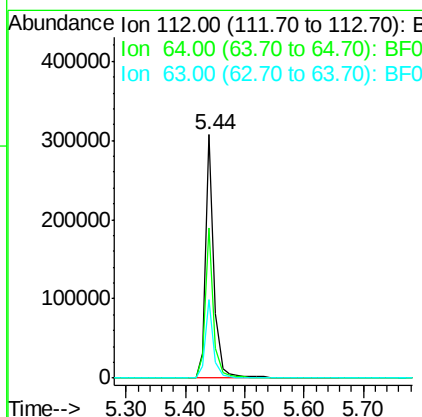
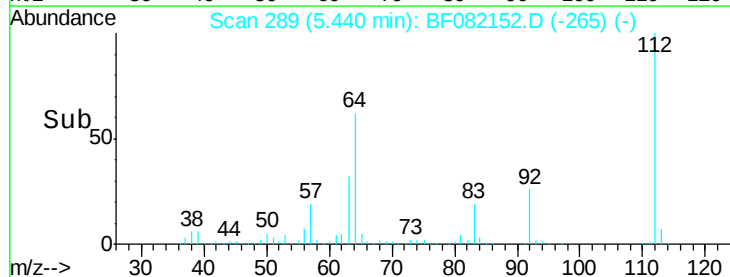
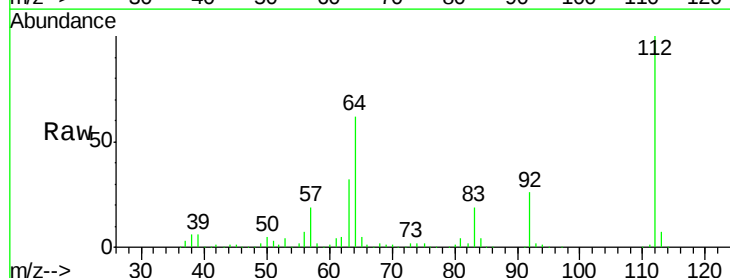
Manual Integrations
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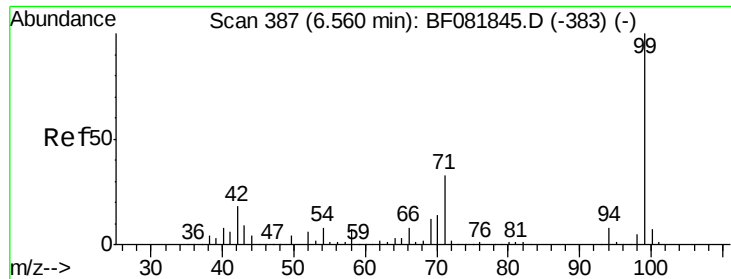
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#5
 2-Fluorophenol
 Concen: 53.98 ng
 RT: 5.44 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	39.7	59.5#
63	32.2	17.4	26.0#





#7

Phenol-d6

Concen: 56.79 ng

RT: 6.48 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF082152.D

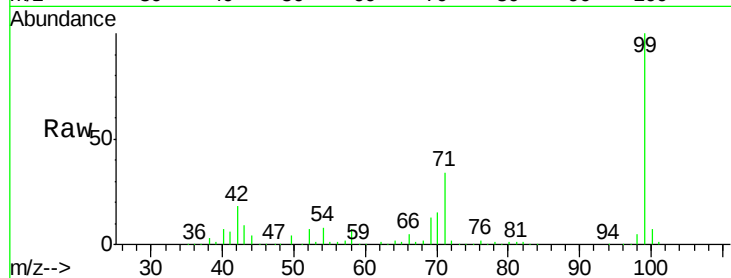
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Instrument :

BNA_F

ClientSampleId :

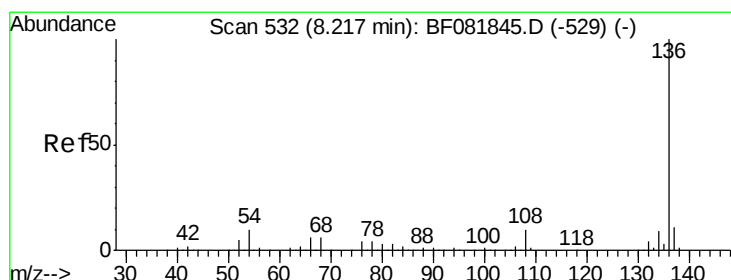
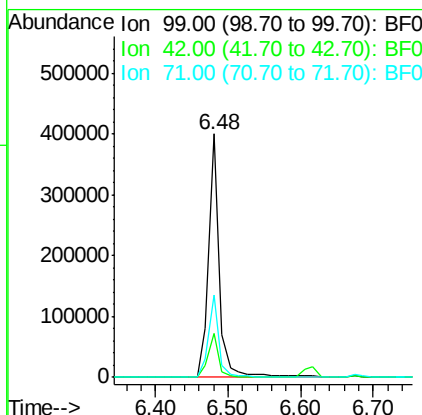
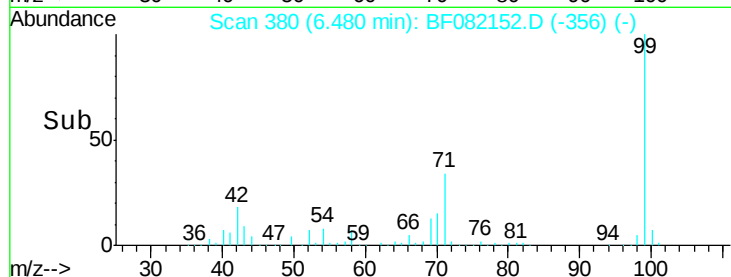
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Tgt Ion:	99	Resp:	416731
Ion Ratio	Lower	Upper	
99	100		
42	18.3	13.7	20.5
71	34.0	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

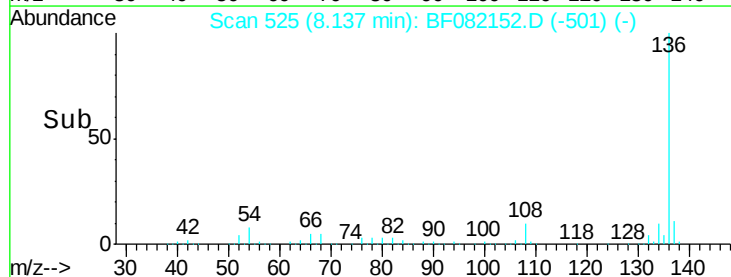
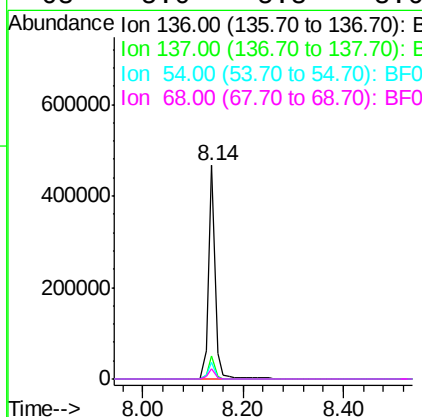
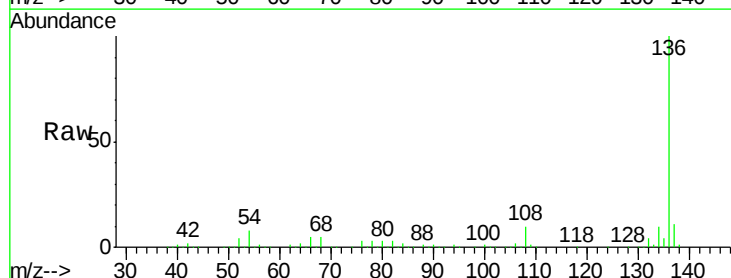
RT: 8.14 min Scan# 525

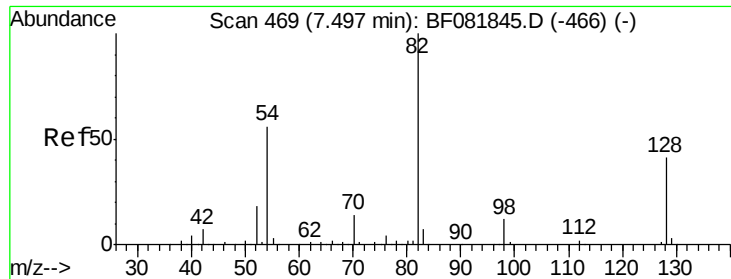
Delta R.T. -0.02 min

Lab File: BF082152.D

Acq: 9 Oct 2015 18:41

Tgt Ion:	136	Resp:	430492
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	7.6	8.2	12.2#
68	5.0	5.8	8.6#





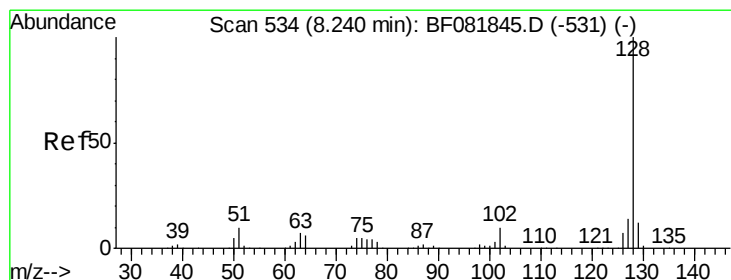
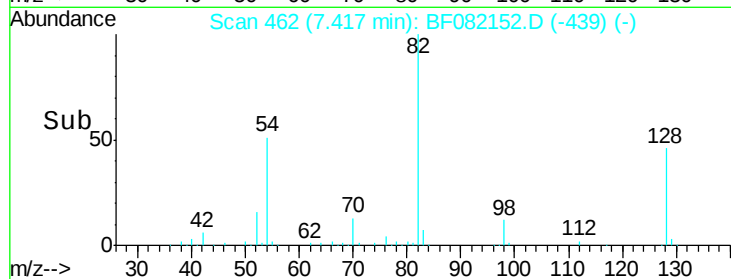
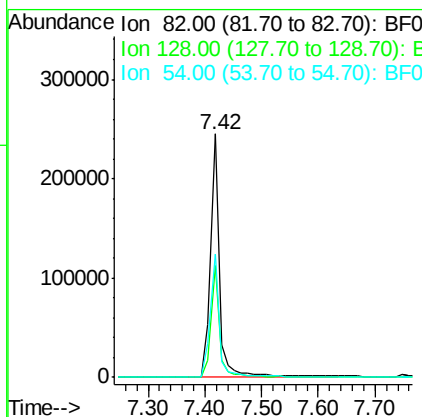
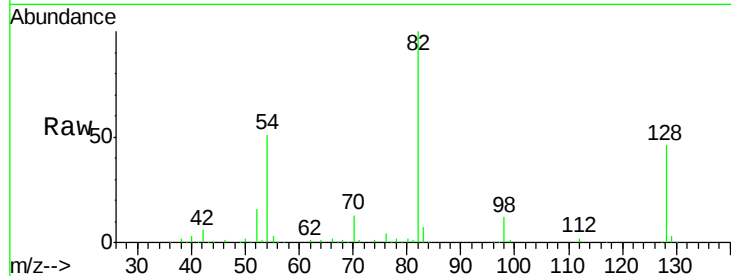
#23
 Nitrobenzene-d5
 Concen: 41.11 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.8	51.0	76.6#
54	50.7	47.5	71.3

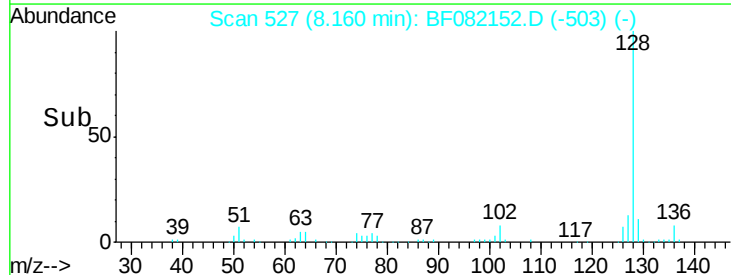
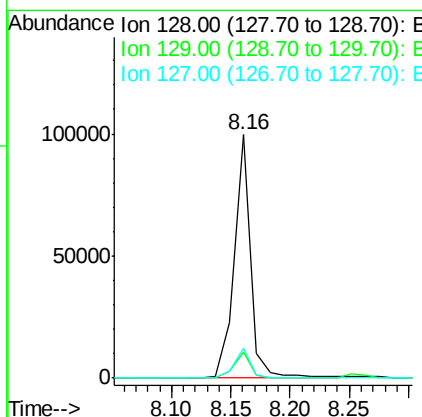
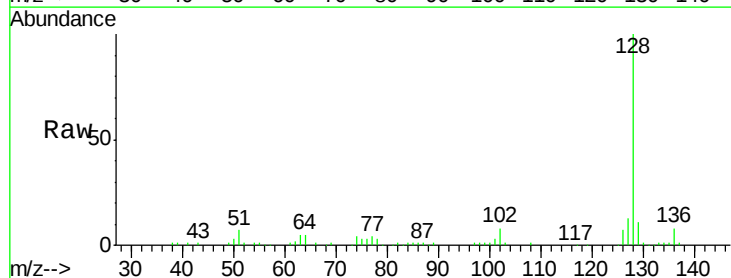
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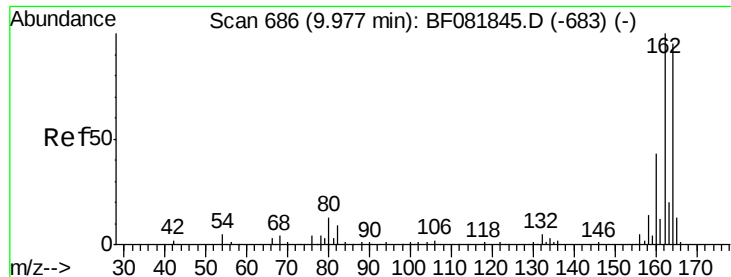
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#31
 Naphthalene
 Concen: 5.03 ng
 RT: 8.16 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	12.5	9.9	14.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF082152.D

Acq: 9 Oct 2015 18:41

Instrument :

BNA_F

ClientSampleId :

PROPOSED-FILL(BESM)DL

Tgt Ion:164 Resp: 185881

Ion Ratio Lower Upper

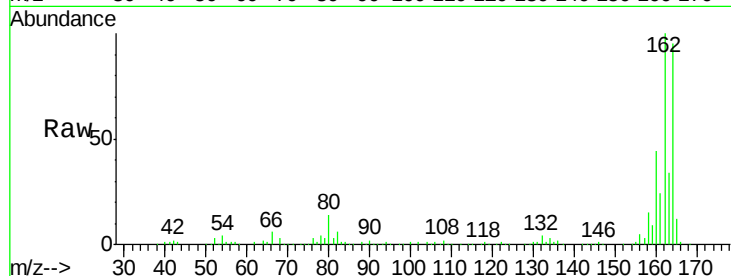
164 100

162 105.0 75.2 112.8

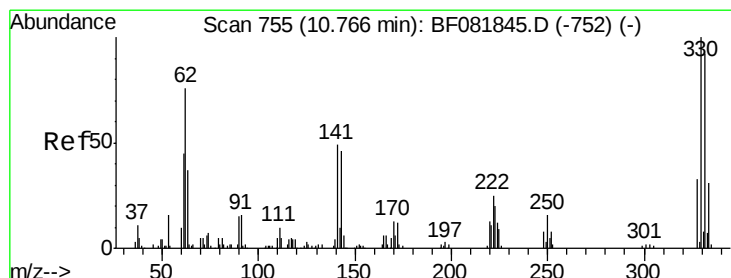
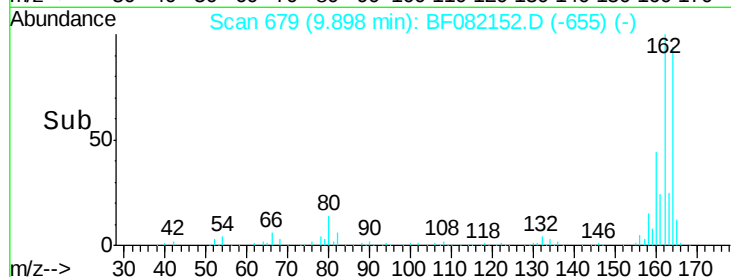
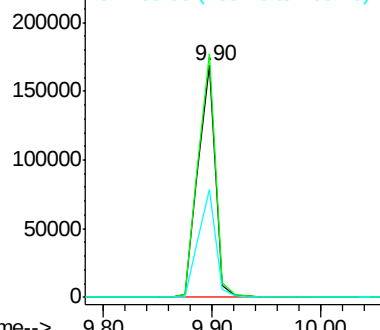
160 46.7 31.5 47.3

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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: 52.24 ng

RT: 10.69 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF082152.D

Acq: 9 Oct 2015 18:41

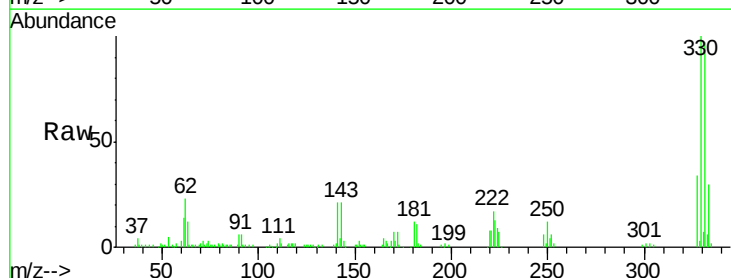
Tgt Ion:330 Resp: 98348

Ion Ratio Lower Upper

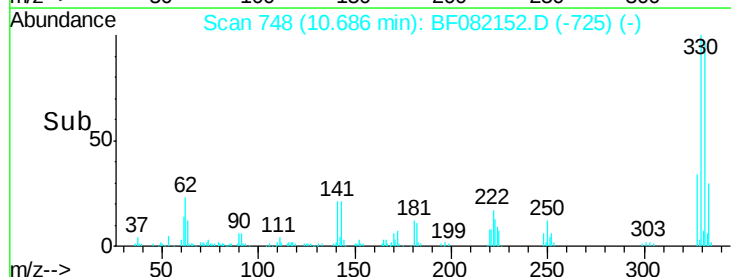
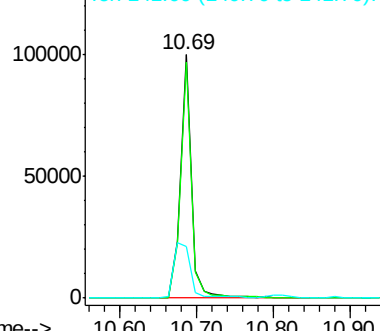
330 100

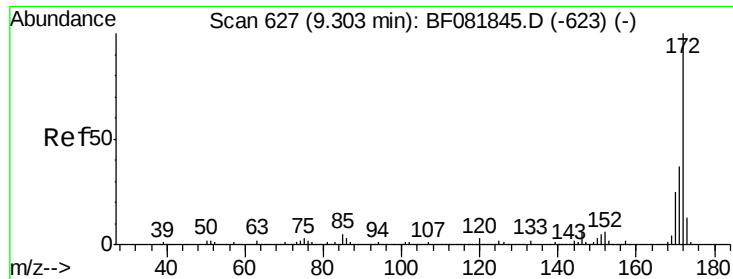
332 96.8 76.6 114.8

141 36.3 29.7 44.5



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





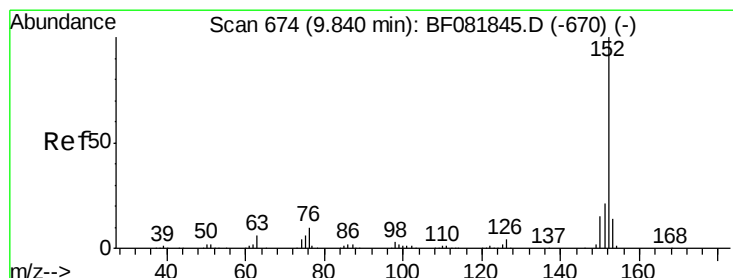
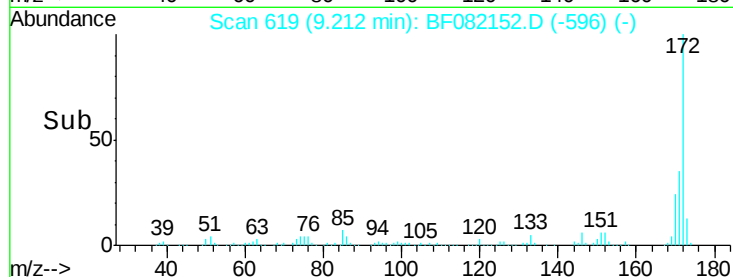
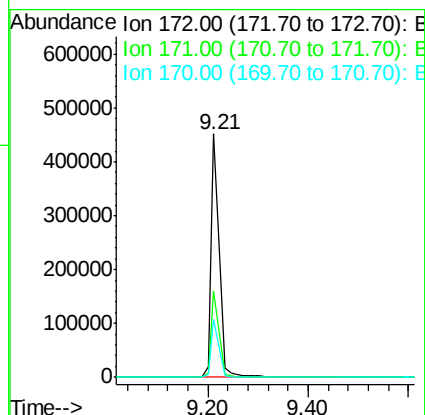
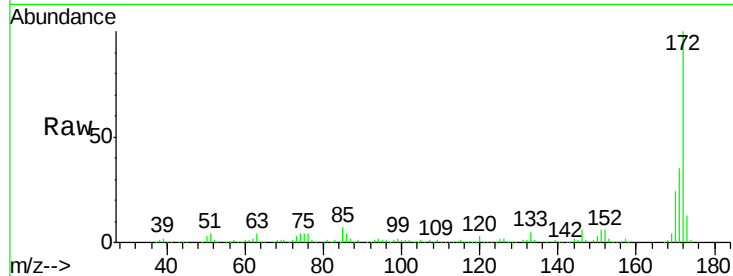
#44
 2-Fluorobiphenyl
 Concen: 41.28 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.4	26.1	39.1
170	23.8	17.4	26.2

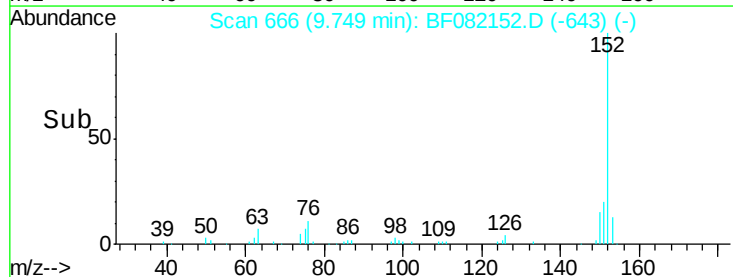
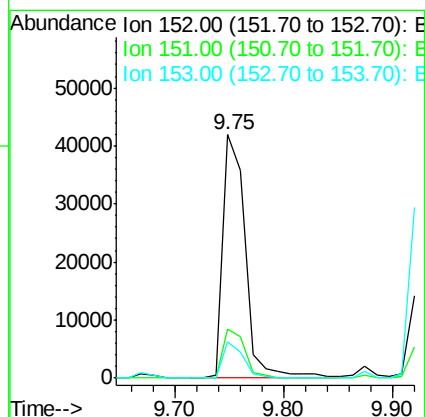
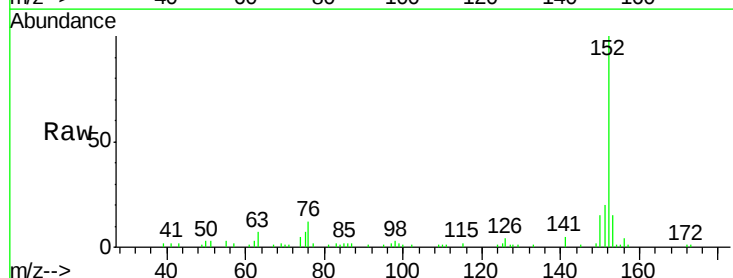
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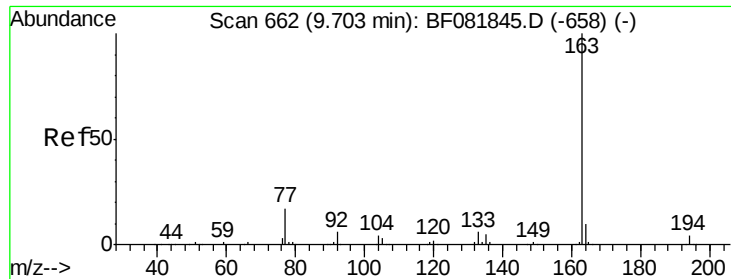
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#48
 Acenaphthylene
 Concen: 3.35 ng
 RT: 9.75 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.0	14.6	22.0
153	15.0	10.3	15.5





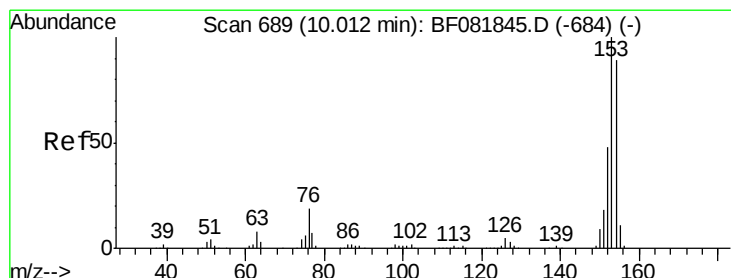
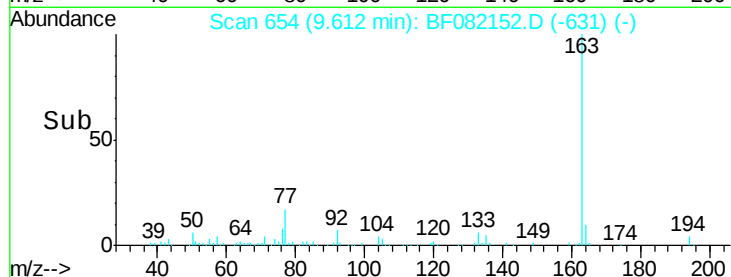
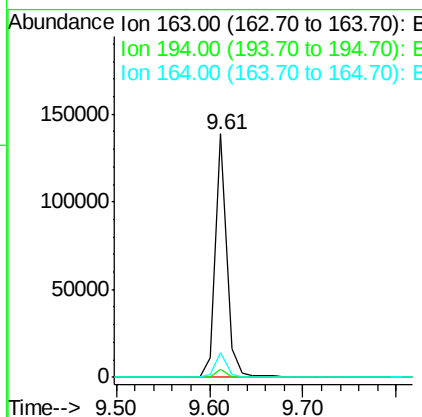
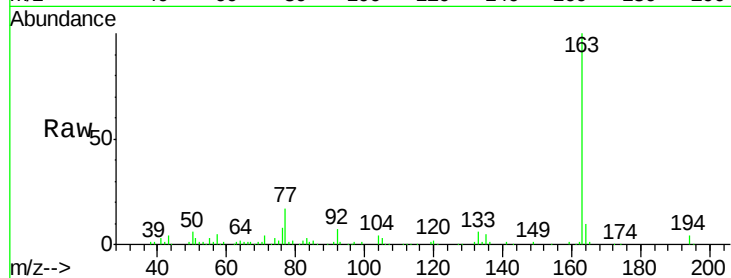
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Dimethylphthalate
Concen: 9.22 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	118247		
194	3.5	4.4	6.6#	
164	10.3	8.3	12.5	

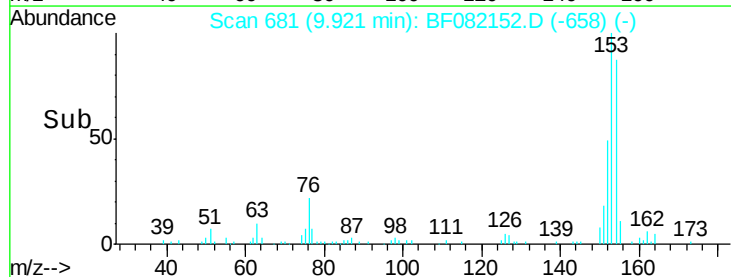
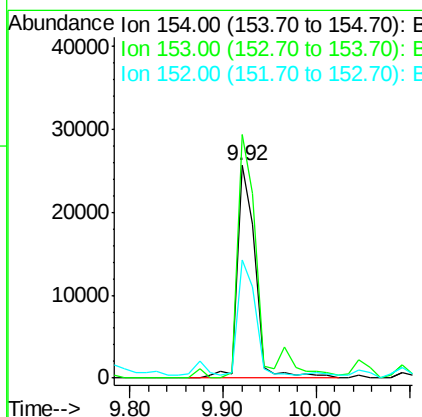
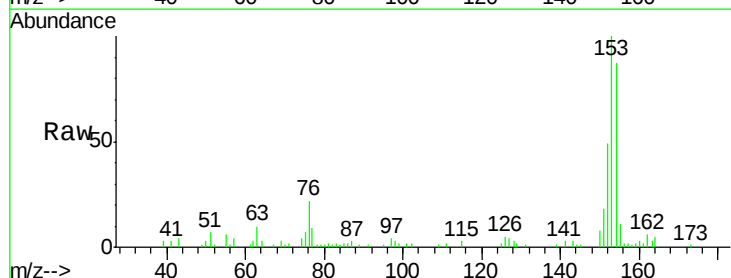
Manual Integrations
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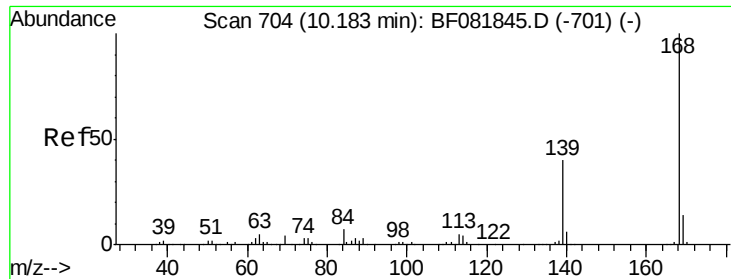
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#51
Acenaphthene
Concen: 3.20 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34272		
153	114.7	82.1	123.1	
152	55.7	37.9	56.9	





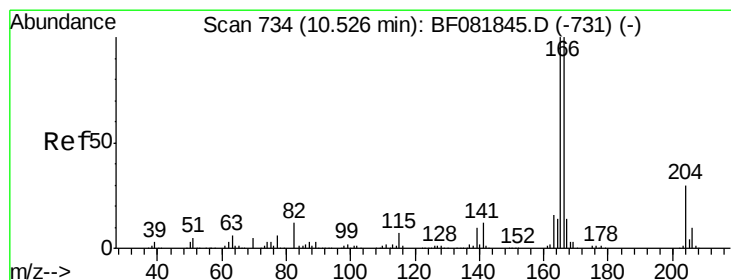
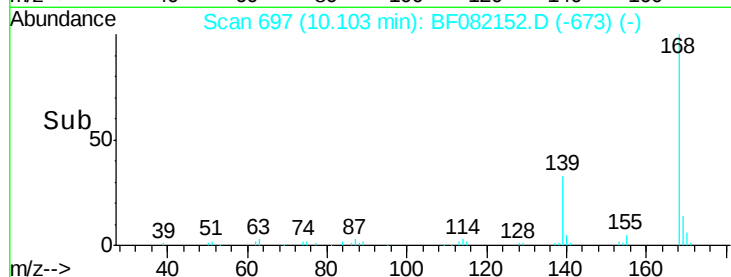
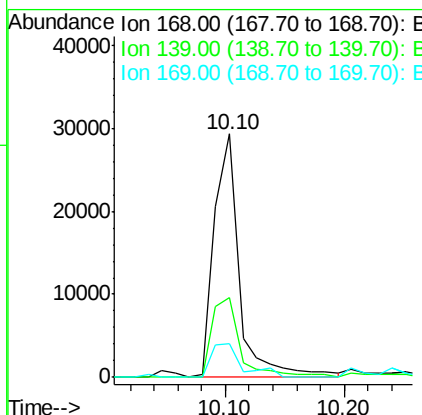
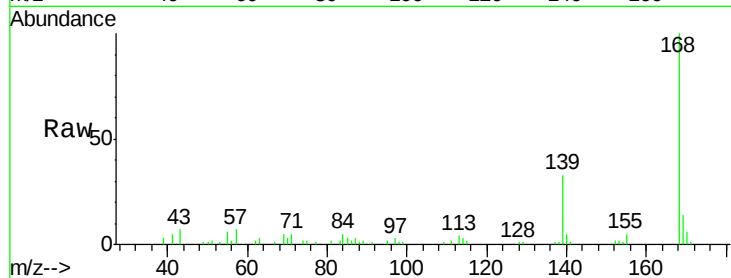
#54
Dibenzenofuran
Concen: 2.84 ng
RT: 10.10 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.9	24.2	36.2
169	14.0	10.6	15.8

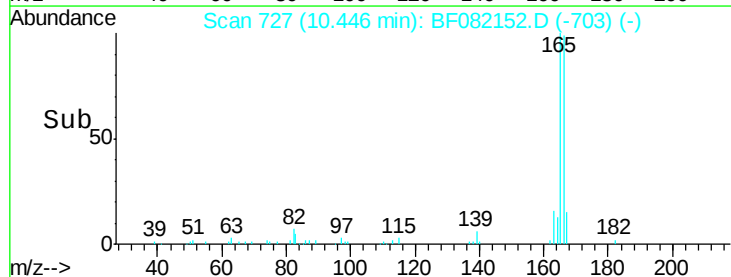
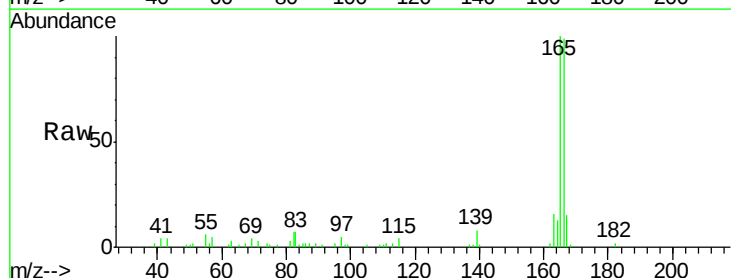
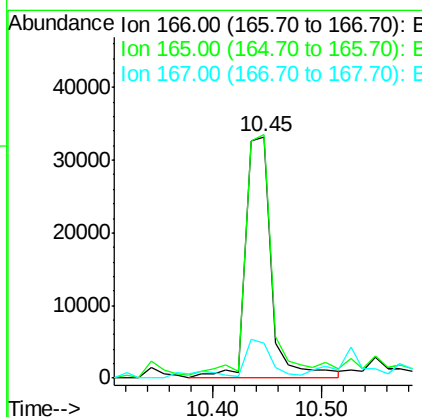
Manual Integrations
APPROVED

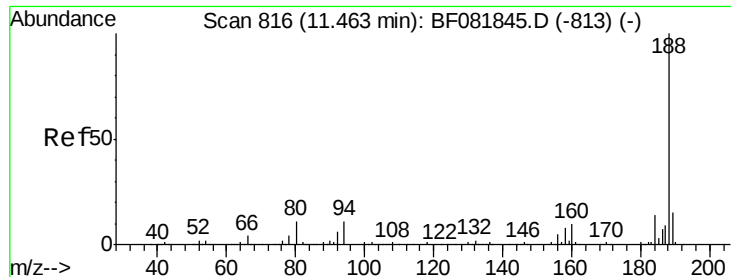
MMDadoda
10/12/2015 2:43:55 PM



#57
Fluorene
Concen: 3.11 ng
RT: 10.45 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.7	72.6	109.0
167	14.7	10.6	16.0





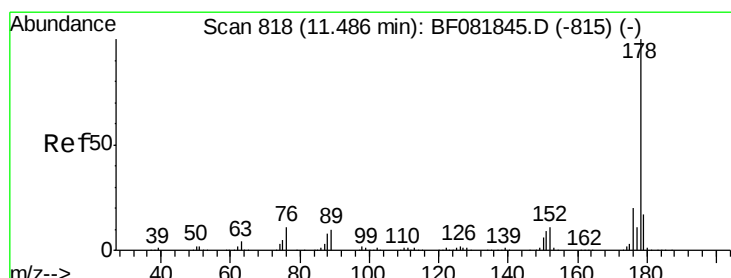
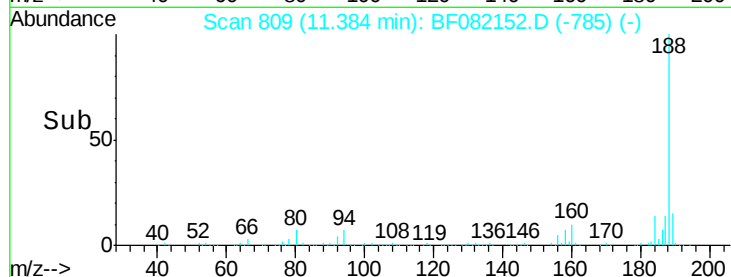
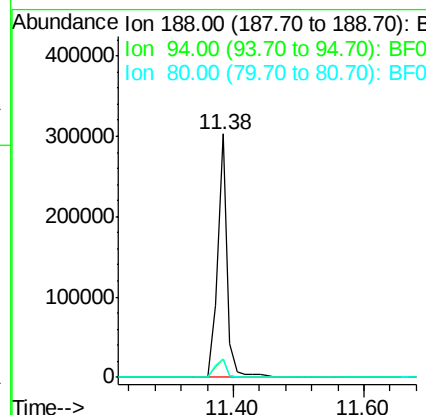
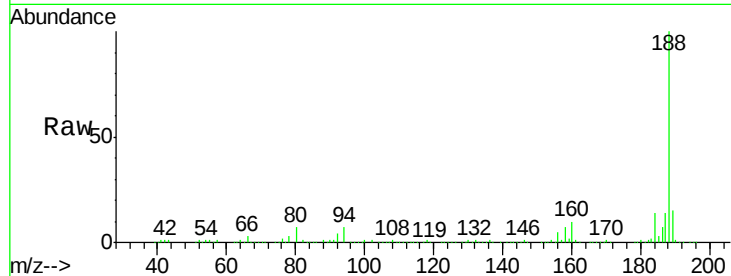
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	317235		
94	7.5	11.1	16.7#	
80	7.4	11.0	16.4#	

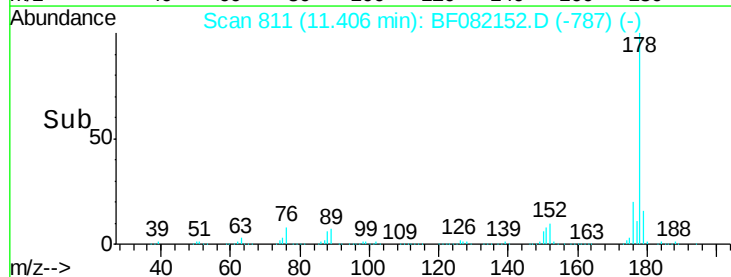
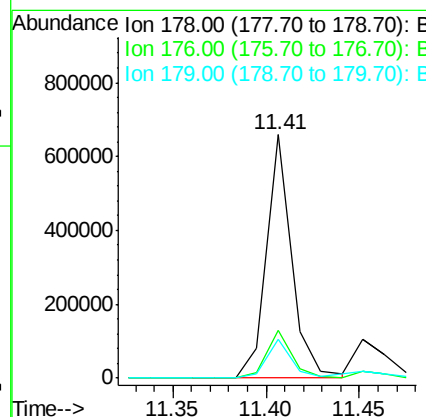
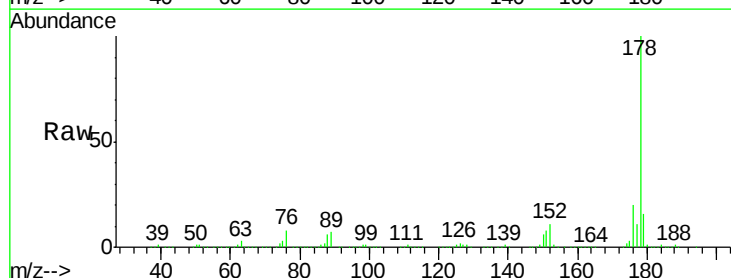
Manual Integrations
 APPROVED

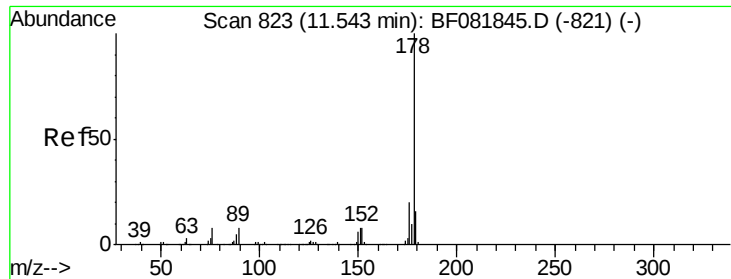
MMDadoda
 10/12/2015 2:43:55 PM



#70
 Phenanthrene
 Concen: 40.08 ng
 RT: 11.41 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	614708		
176	19.9	13.8	20.8	
179	15.9	12.2	18.2	





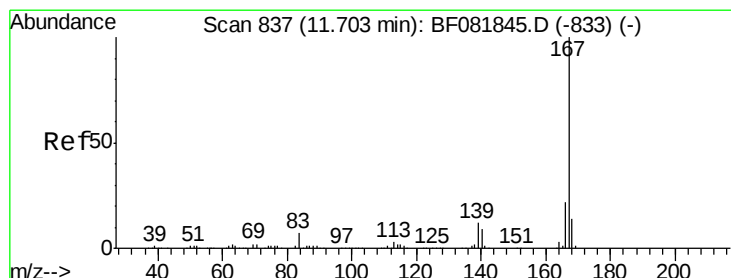
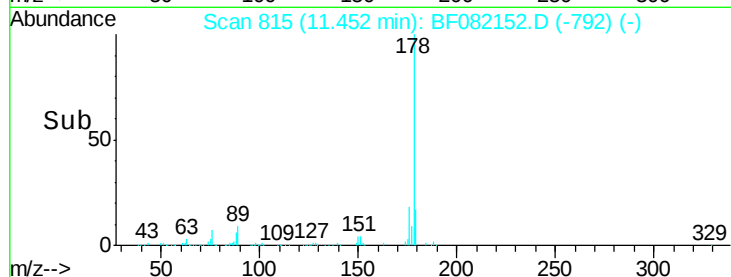
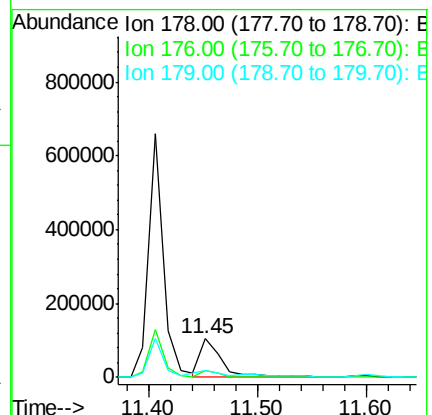
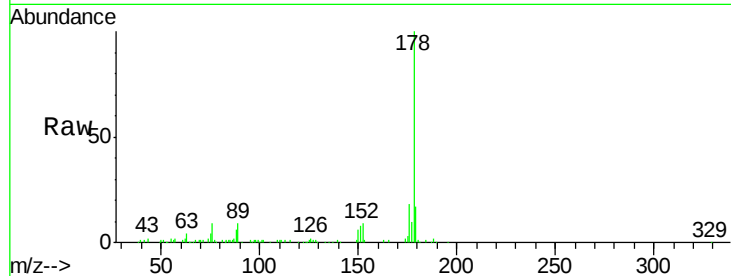
#71
 Anthracene
 Concen: 8.78 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.1	21.1
179	17.3	12.2	18.2

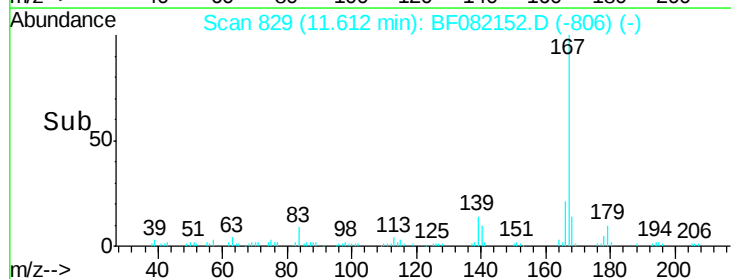
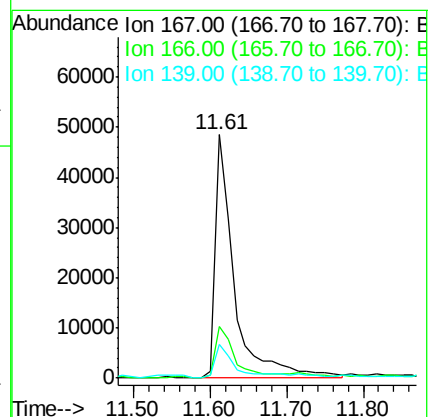
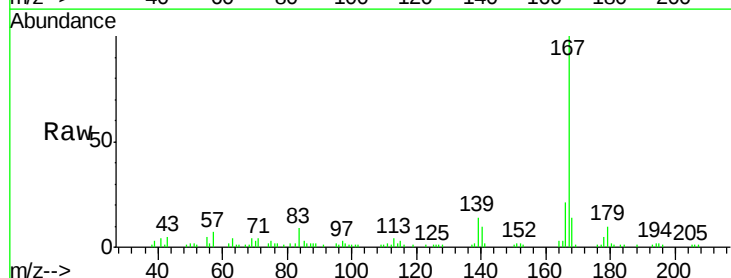
Manual Integrations
 APPROVED

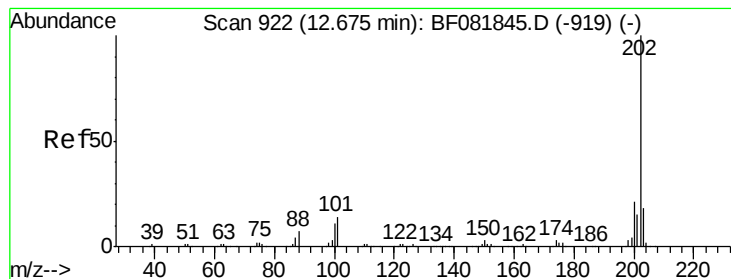
MMDadoda
 10/12/2015 2:43:55 PM



#72
 Carbazole
 Concen: 5.74 ng
 RT: 11.61 min Scan# 829
 Delta R.T. -0.03 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	15.7	23.5
139	13.7	9.5	14.3





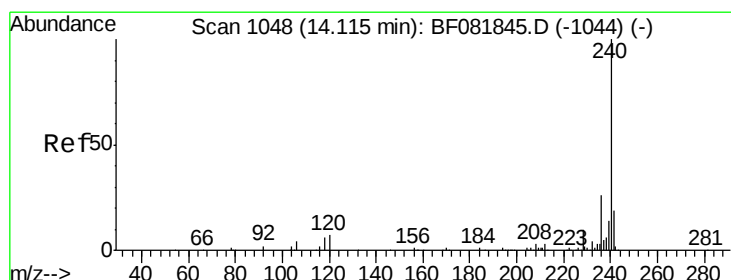
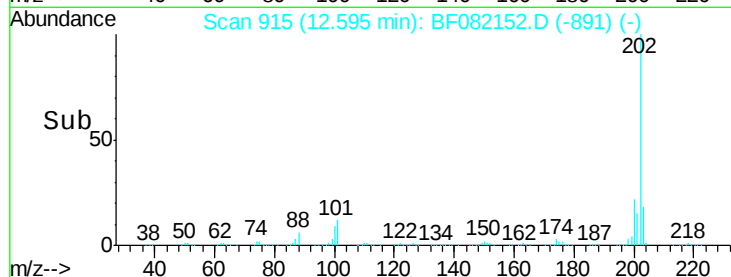
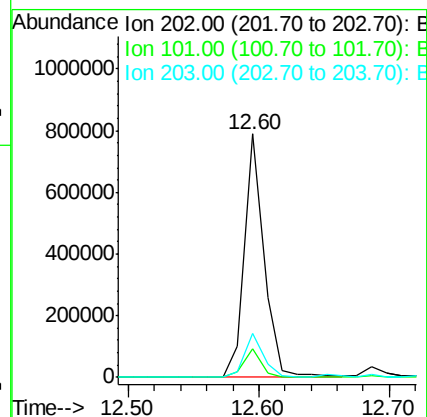
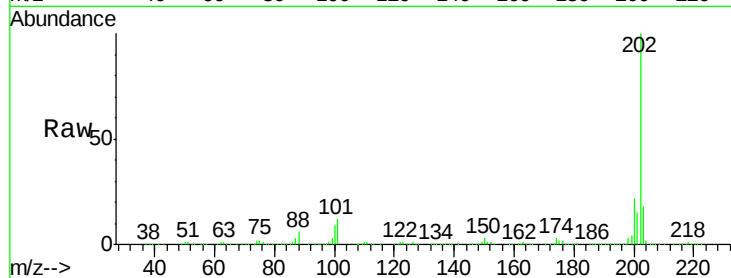
#74
Fluoranthene
Concen: 48.30 ng
RT: 12.60 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	0.0	38.3
203	18.3	0.0	37.3

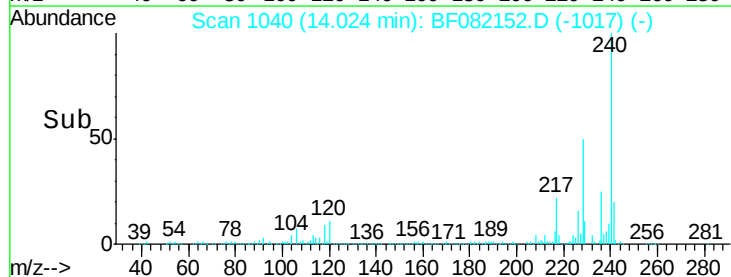
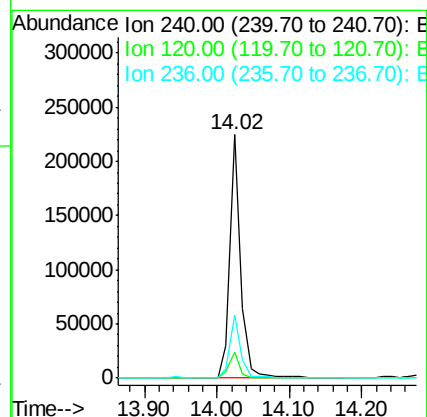
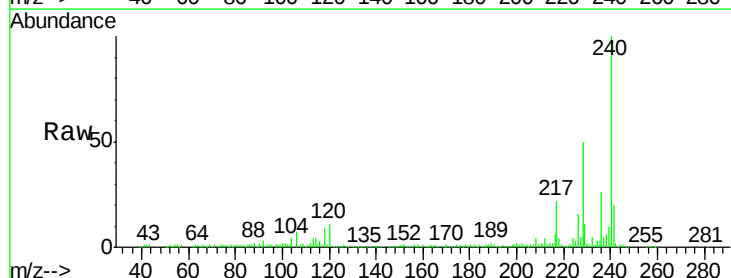
Manual Integrations
APPROVED

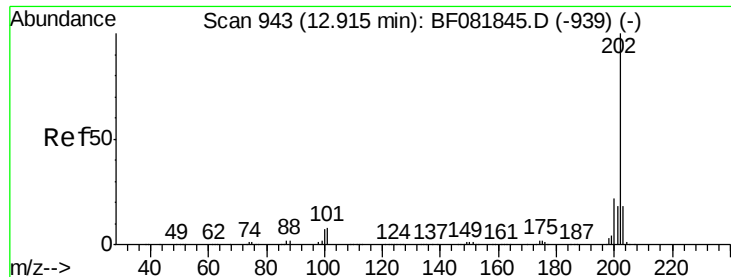
MMDadoda
10/12/2015 2:43:55 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.5	16.2	24.2#
236	25.8	18.4	27.6





#77

Pyrene

Concen: 44.64 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF082152.D

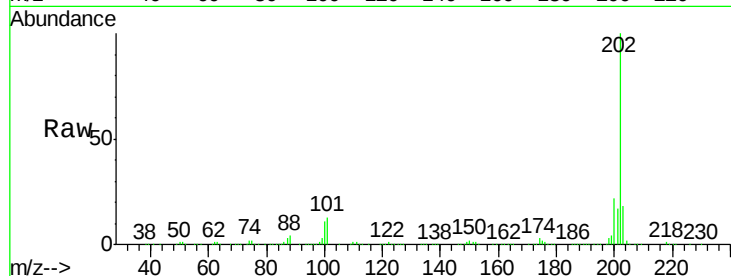
Acq: 9 Oct 2015 18:41

Instrument :

BNA_F

ClientSampleId :

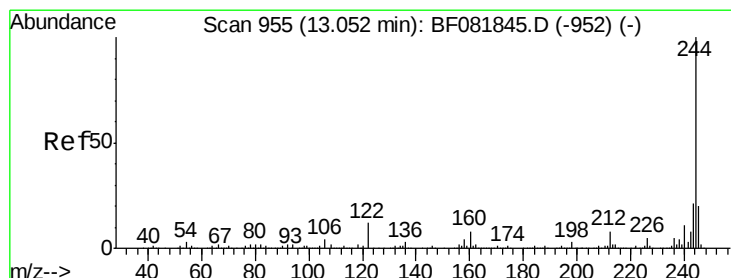
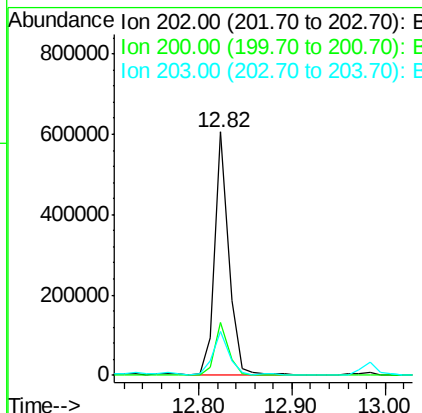
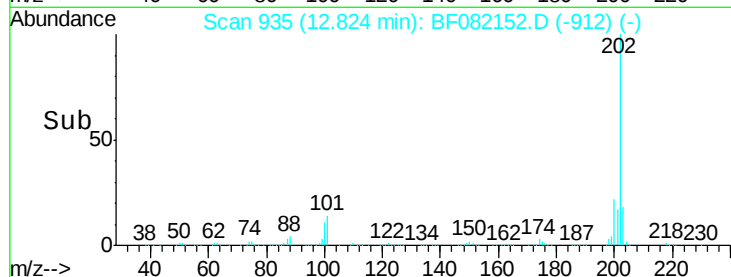
PROPOSED-FILL(BESM)DL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	15.0	22.4	
203	18.2	14.1	21.1	

Manual Integrations
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10/12/2015 2:43:55 PM



#78

Terphenyl-d14

Concen: 47.12 ng

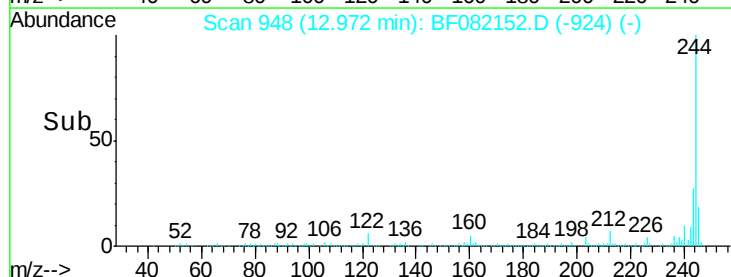
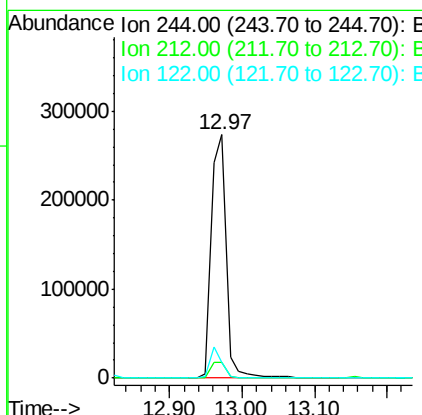
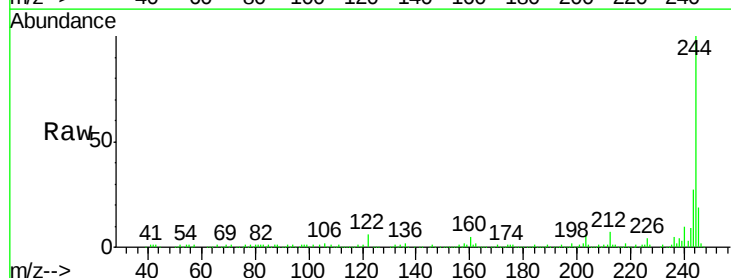
RT: 12.97 min Scan# 948

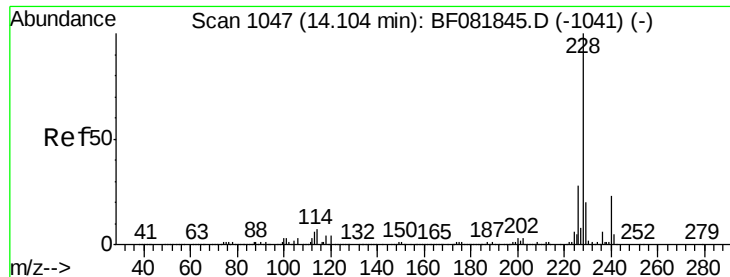
Delta R.T. -0.02 min

Lab File: BF082152.D

Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	4.3	6.5#	
122	6.3	17.4	26.2#	





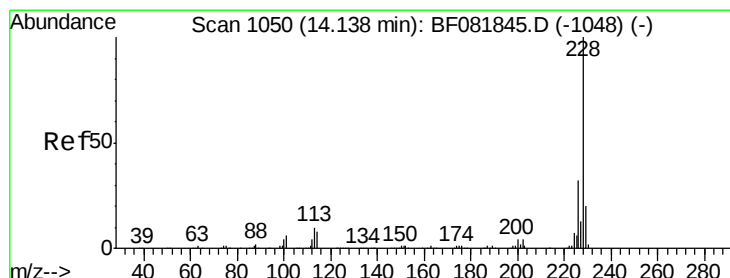
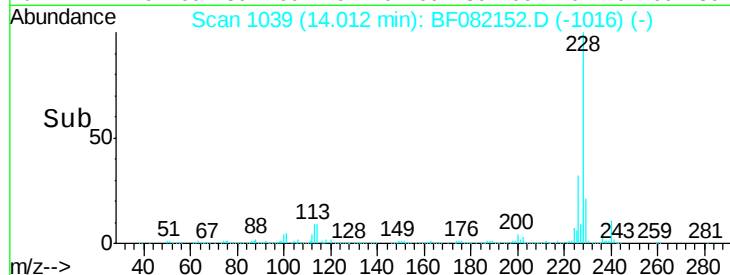
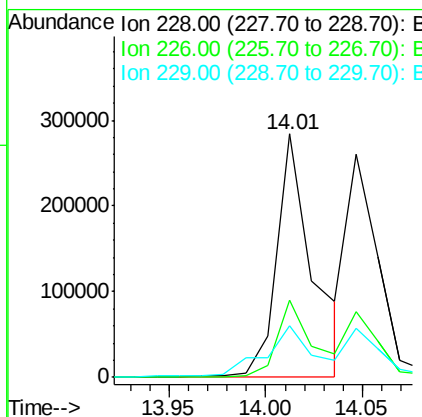
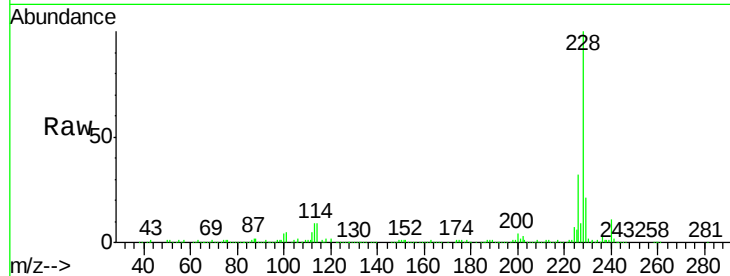
#80
Benzo(a)anthracene
Concen: 29.22 ng m
RT: 14.01 min Scan# 1039
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	20.0	30.0#
229	21.1	15.4	23.2

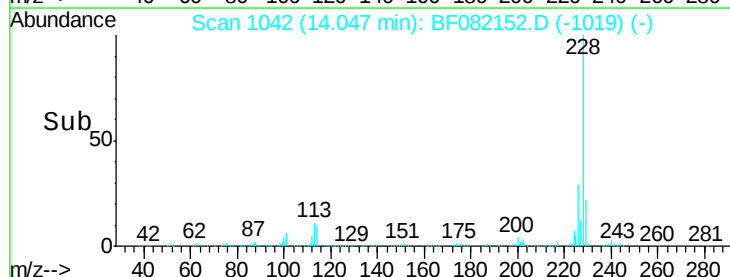
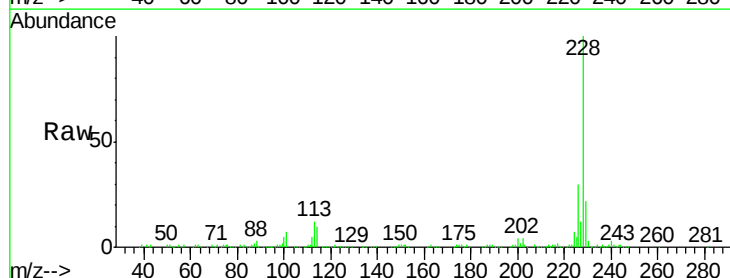
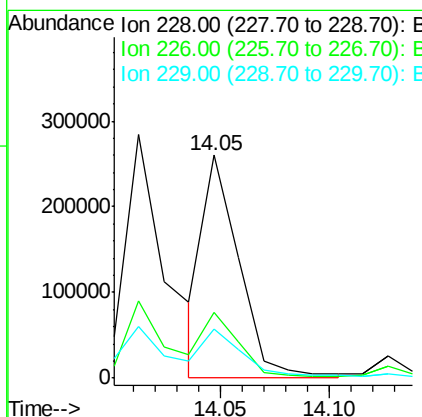
Manual Integrations
APPROVED

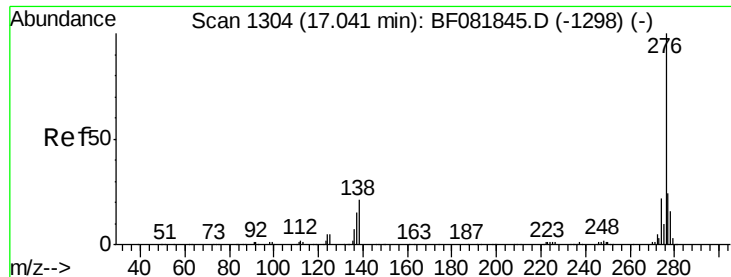
MMDadoda
10/12/2015 2:43:55 PM



#82
Chrysene
Concen: 21.58 ng
RT: 14.05 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.0	31.4
229	22.2	15.6	23.4





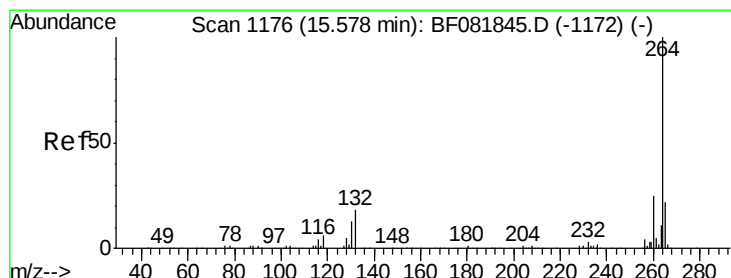
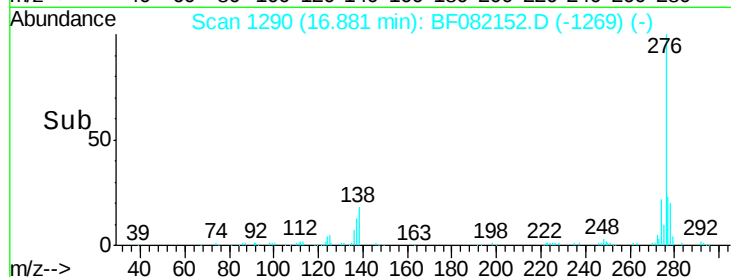
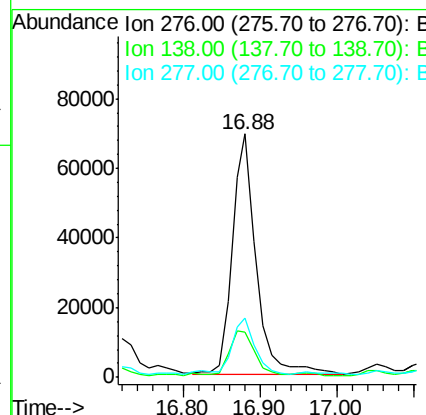
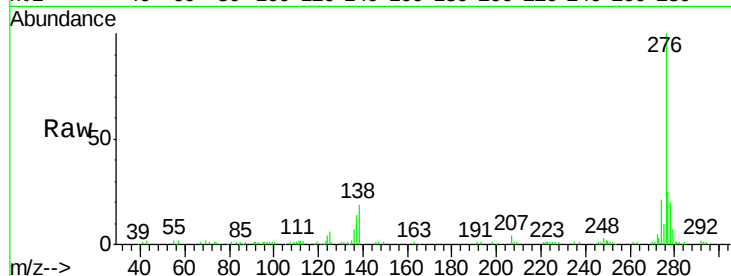
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.09 ng
RT: 16.88 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	150258		
138	20.6	25.7	38.5#	
277	22.6	15.6	23.4	

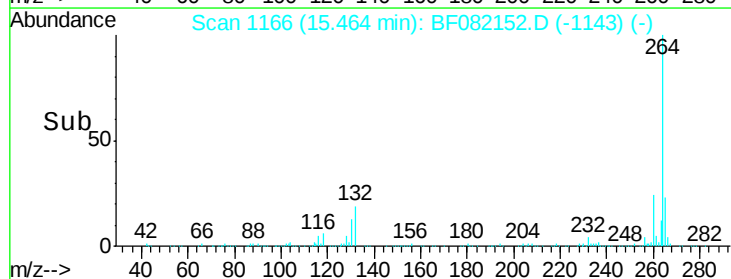
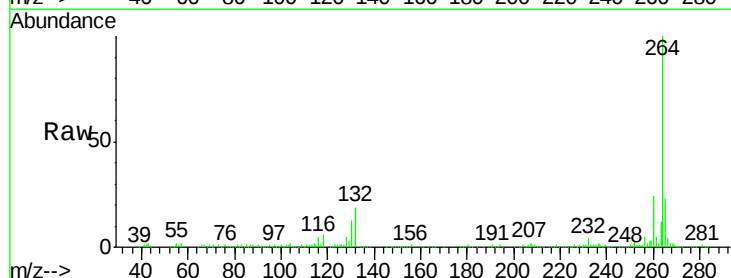
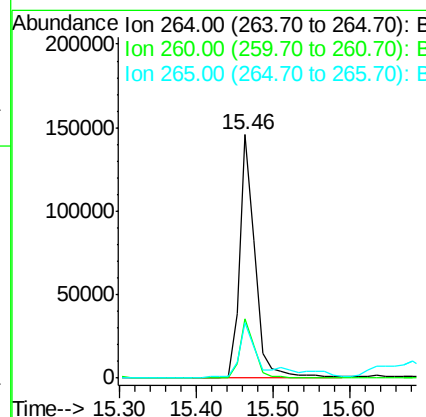
Manual Integrations
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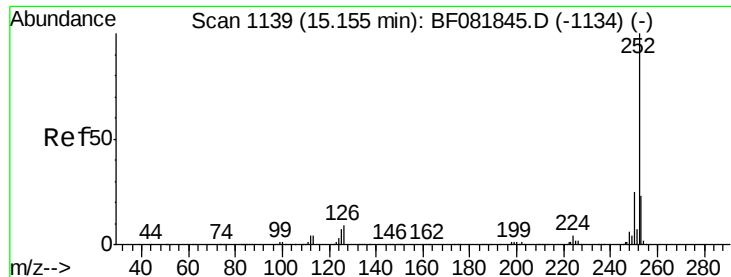
MMDadoda
10/12/2015 2:43:55 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	208669		
260	24.2	16.7	25.1	
265	23.0	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 33.22 ng m

RT: 15.05 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF082152.D

Acq: 9 Oct 2015 18:41

Instrument :

BNA_F

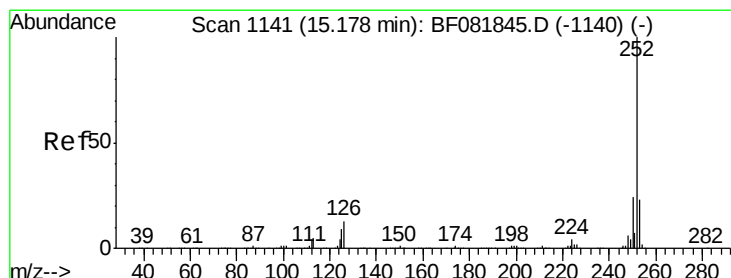
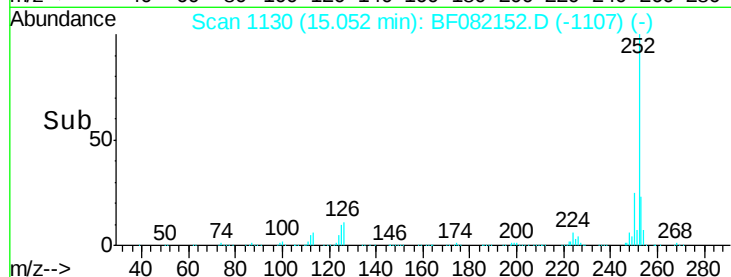
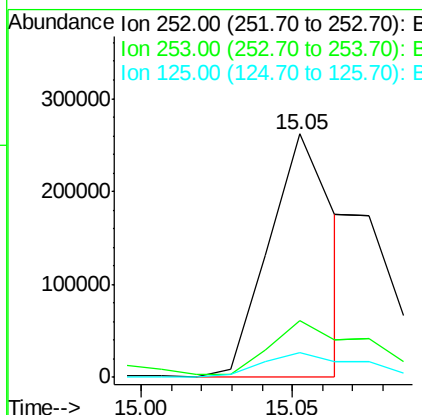
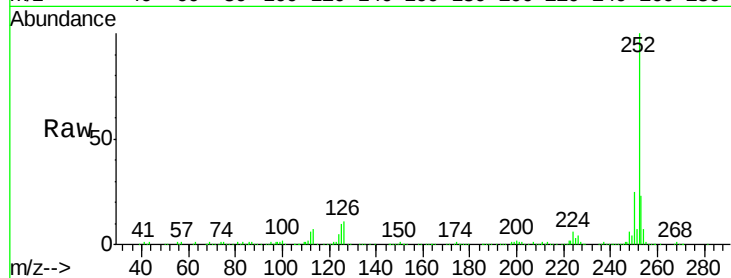
ClientSampleId :

PROPOSED-FILL(BESM)DL

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		395743		
253	23.3	17.5	26.3		
125	10.0	17.1	25.7#		

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 16.78 ng m

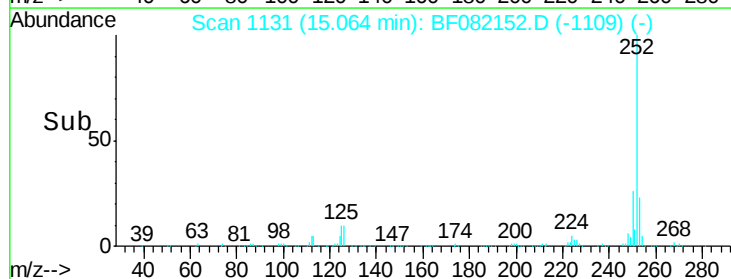
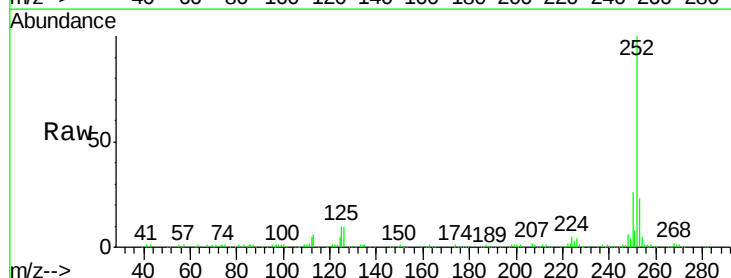
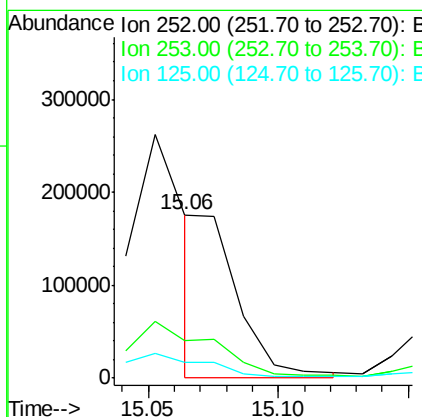
RT: 15.06 min Scan# 1131

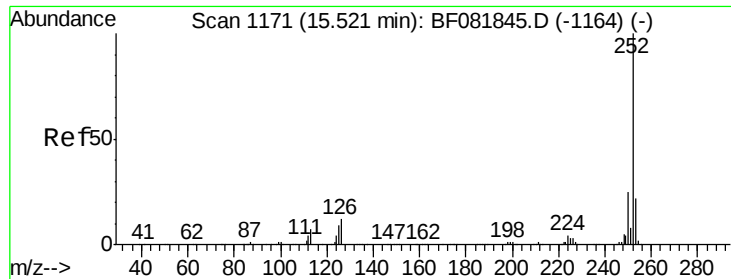
Delta R.T. -0.05 min

Lab File: BF082152.D

Acq: 9 Oct 2015 18:41

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		183253		
253	23.0	17.0	25.4		
125	10.0	16.0	24.0#		





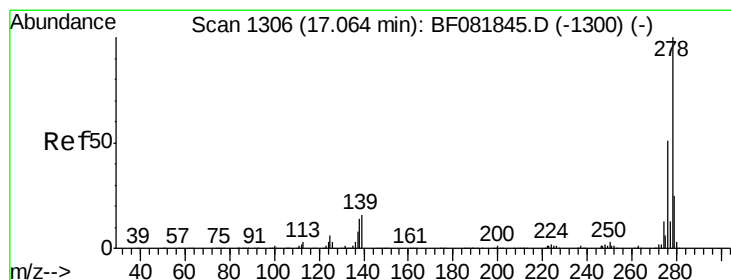
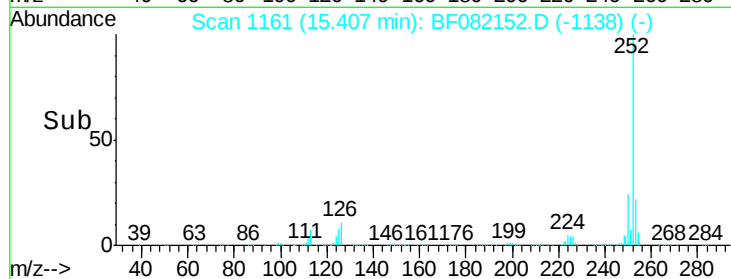
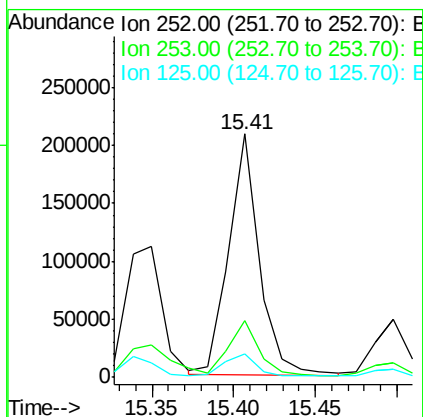
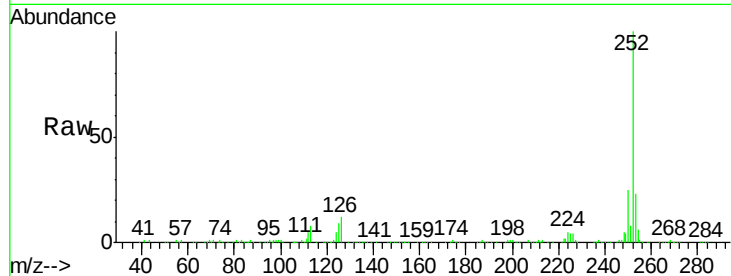
#89
Benzo(a)pyrene
Concen: 26.12 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.2	25.8
125	9.4	18.0	27.0

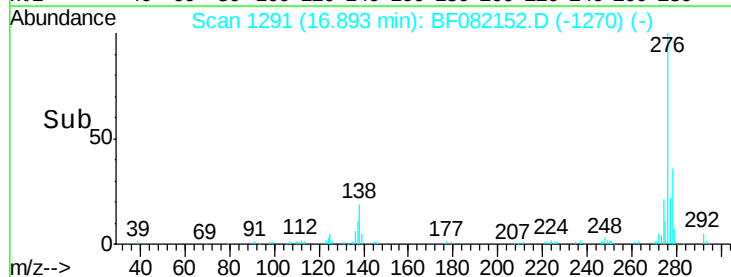
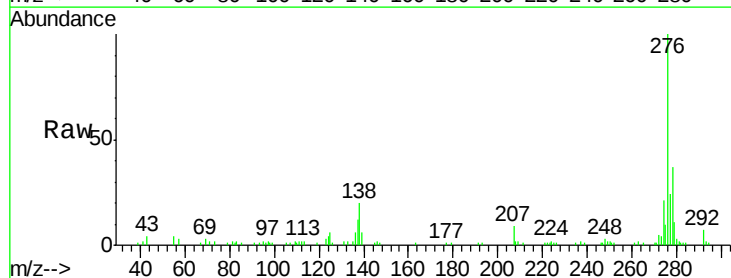
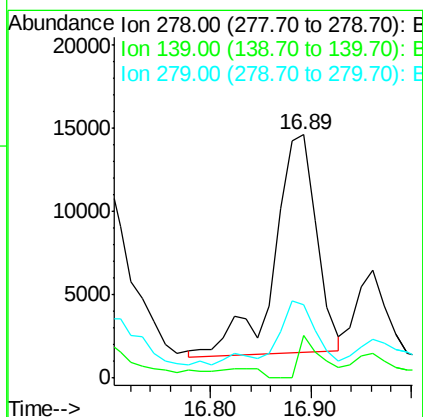
Manual Integrations
APPROVED

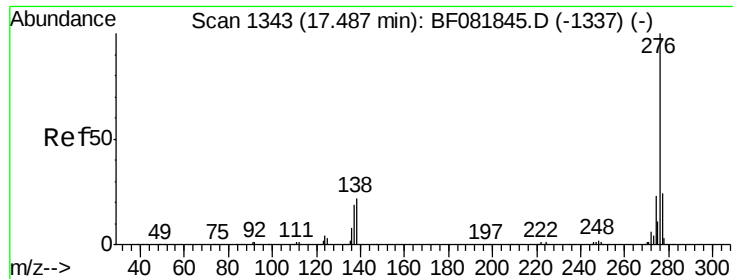
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#90
Dibenzo(a,h)anthracene
Concen: 4.43 ng
RT: 16.89 min Scan# 1291
Delta R.T. -0.06 min
Lab File: BF082152.D
Acq: 9 Oct 2015 18:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.3	26.3	39.5
279	30.3	18.2	27.4





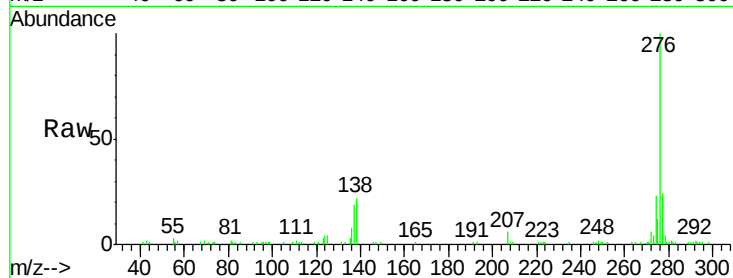
#91
 Benzo(g,h,i)perylene
 Concen: 13.71 ng
 RT: 17.30 min Scan# 1327
 Delta R.T. -0.07 min
 Lab File: BF082152.D
 Acq: 9 Oct 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-FILL(BESM)DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.0	17.8	26.6		
138	21.8	34.6	51.8		

Manual Integrations
 APPROVED

MMDadoda
 10/12/2015 2:43:55 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

