

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
 Data File : BF082210.D
 Acq On : 11 Oct 2015 8:09
 Operator : UM/IZ
 Sample : G3921-07DL 10X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)DL

Manual Integrations
 APPROVED

MMDadoda
 10/12/2015 2:39:03 PM

Quant Time: Oct 12 04:27:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 02:59:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	91832	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	368952	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	167904	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	281240	20.00	ng	0.00
75) Chrysene-d12	14.01	240	234527	20.00	ng	0.00
86) Perylene-d12	15.44	264	225964	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	40767	8.96	ng	0.00
7) Phenol-d6	6.47	99	52945	8.94	ng	-0.01
23) Nitrobenzene-d5	7.41	82	28446	5.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	10078	6.40	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	63933	6.31	ng	-0.01
78) Terphenyl-d14	12.95	244	43017	4.86	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.15	128	59323	3.71	ng	99
37) 2-Methylnaphthalene	8.83	142	22781	2.05	ng	97
51) Acenaphthene	9.91	154	58907	6.25	ng	99
54) Dibenzofuran	10.08	168	68009	5.26	ng	97
57) Fluorene	10.42	166	78570	7.39	ng	98
70) Phenanthrene	11.40	178	567299	41.15	ng	100
71) Anthracene	11.44	178	208048	14.65	ng	99
72) Carbazole	11.60	167	44013	3.40	ng	97
74) Fluoranthene	12.58	202	476819	32.20	ng	98
77) Pyrene	12.81	202	385194	27.68	ng	98
80) Benzo(a)anthracene	14.00	228	184774m	15.14	ng	
82) Chrysene	14.04	228	152144m	11.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	64920	6.35	ng	96
87) Benzo(b)fluoranthene	15.03	252	156886m	11.41	ng	
88) Benzo(k)fluoranthene	15.04	252	78692m	6.81	ng	
89) Benzo(a)pyrene	15.38	252	133584	11.31	ng	98
91) Benzo(g,h,i)perylene	17.27	276	63701	6.77	ng	98

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

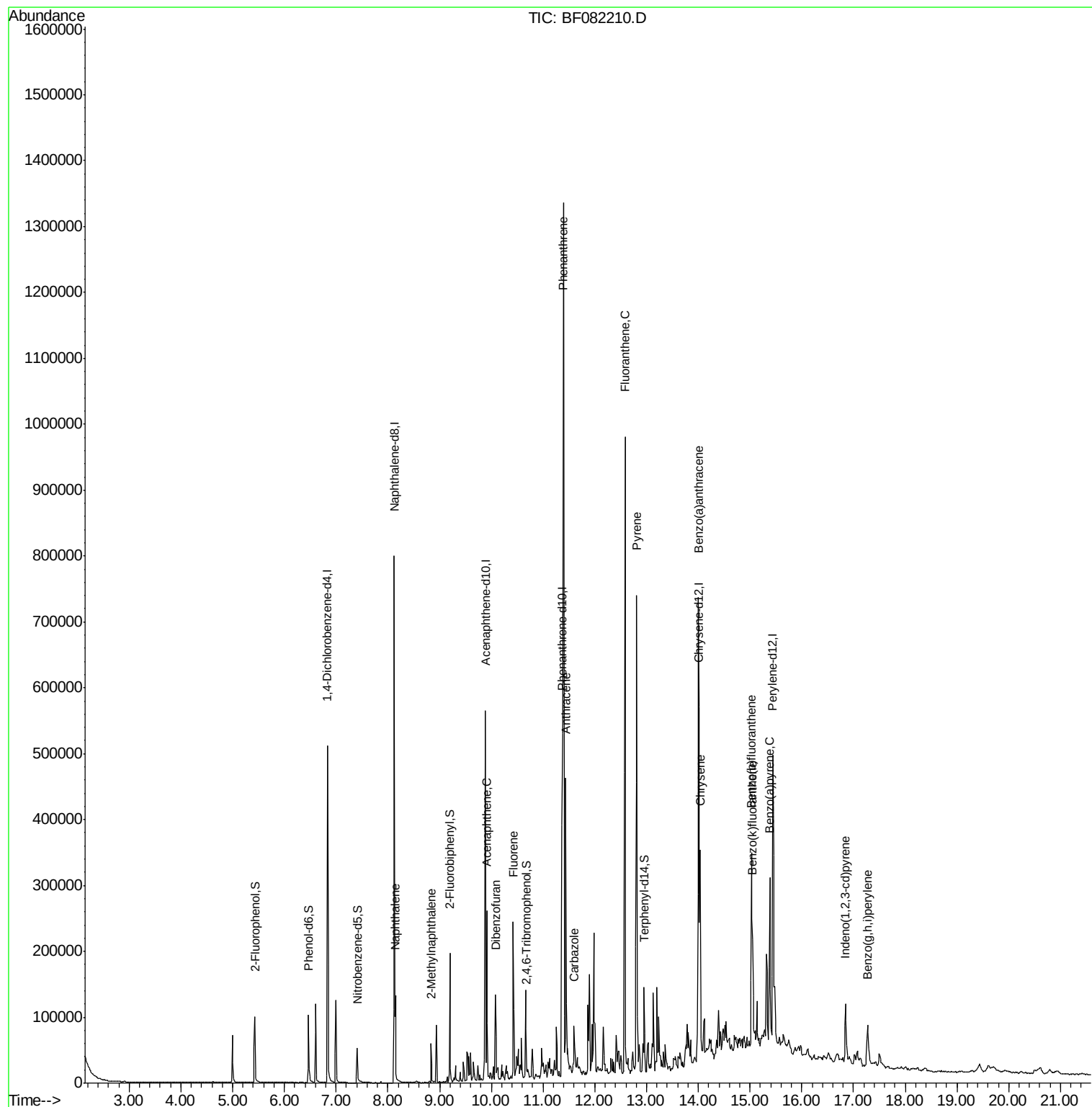
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
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ALS Vial : 43 Sample Multiplier: 1

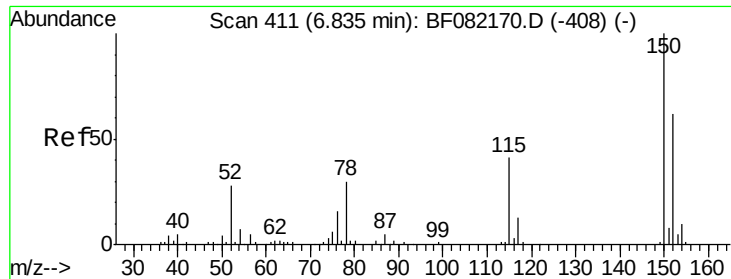
Instrument :
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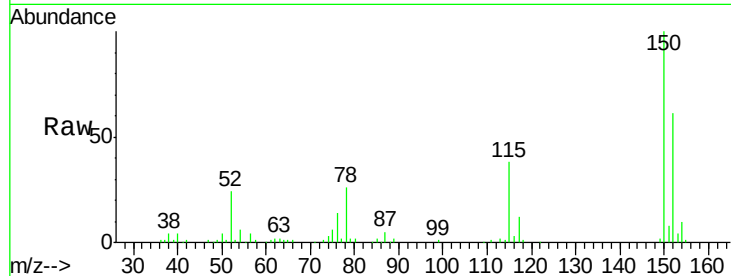




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082210.D
Acq: 11 Oct 2015 8:09

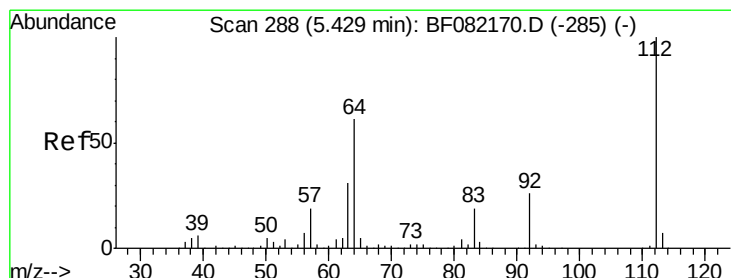
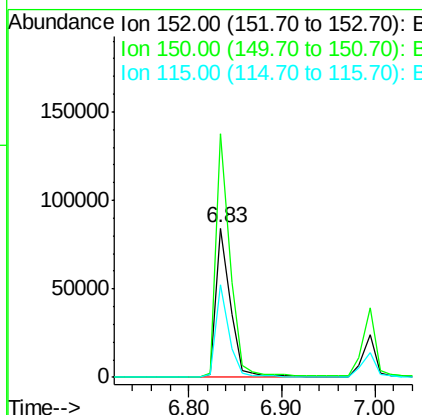
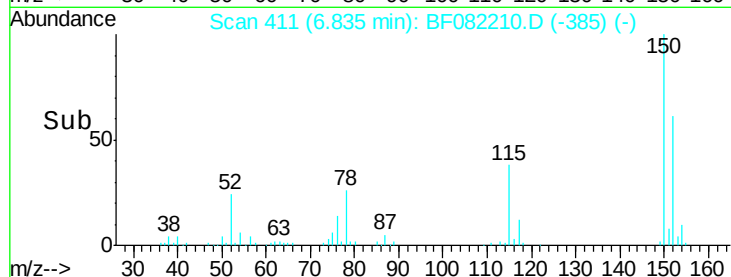
Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.9	129.0	193.4
115	62.2	52.1	78.1

Manual Integrations
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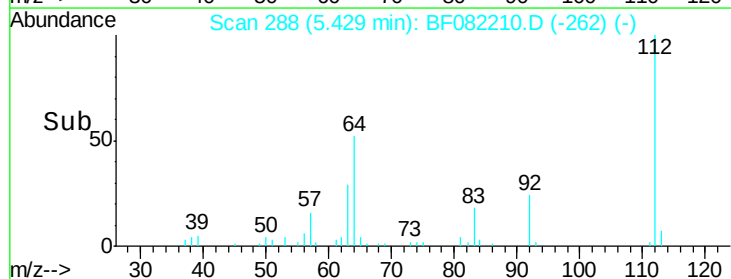
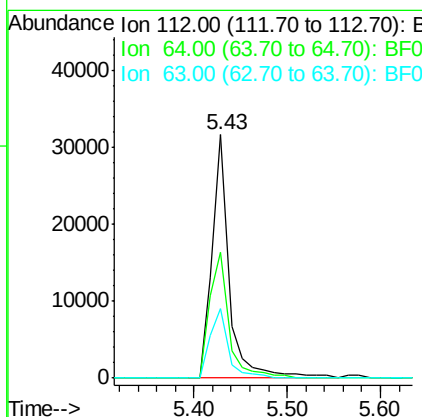
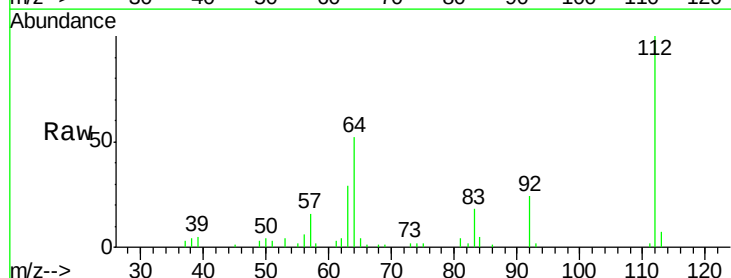
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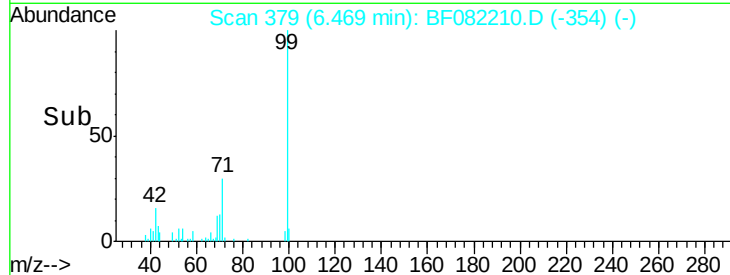
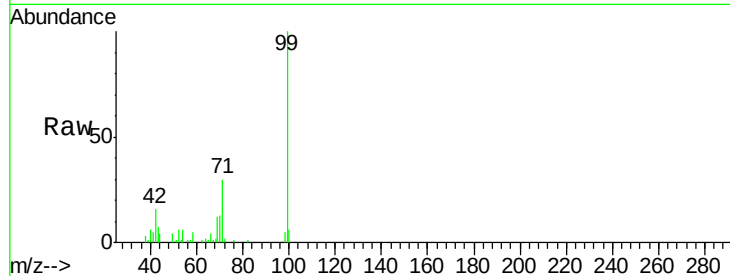
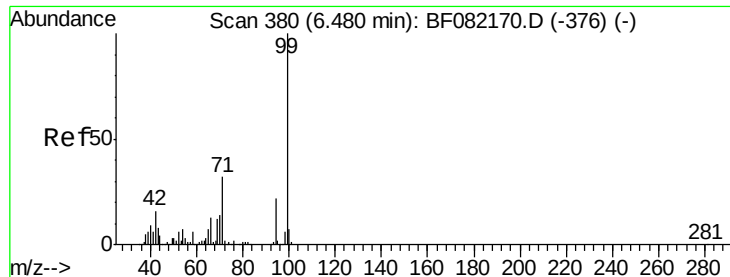


#5

2-Fluorophenol
Concen: 8.96 ng
RT: 5.43 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF082210.D
Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	48.6	73.0
63	28.8	25.1	37.7





#7

Phenol-d6

Concen: 8.94 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Tgt Ion:	99	Resp:	52945
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.2	19.8
71	29.8	25.6	38.4

Instrument :

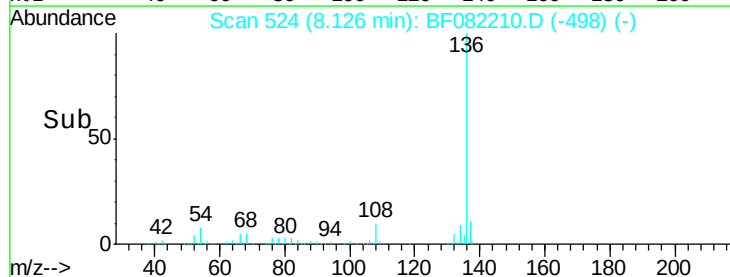
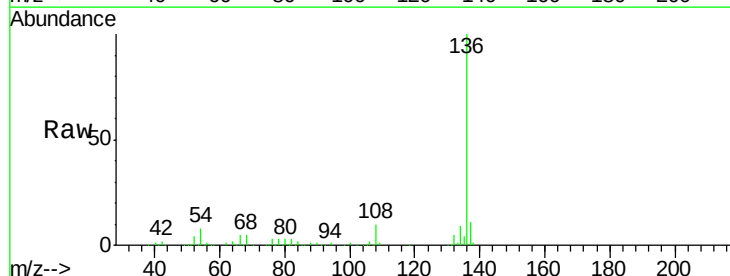
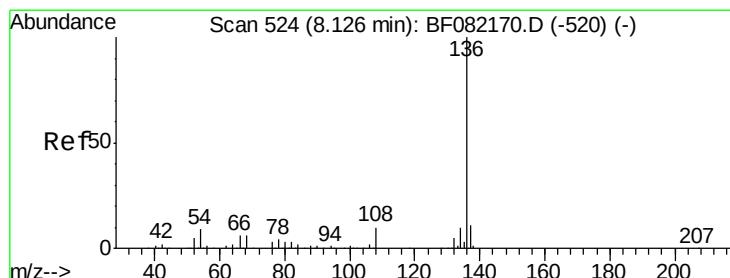
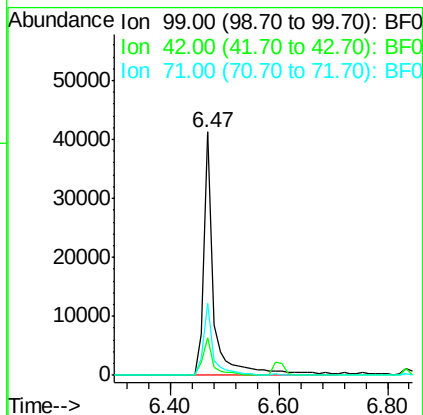
BNA_F

ClientSampleId :

LS-COMP(1-8)DL

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#21

Naphthalene-d8

Concen: 20.00 ng

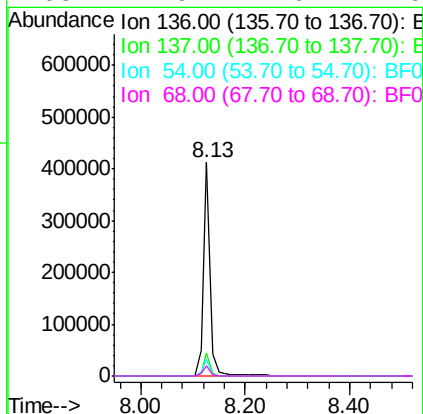
RT: 8.13 min Scan# 524

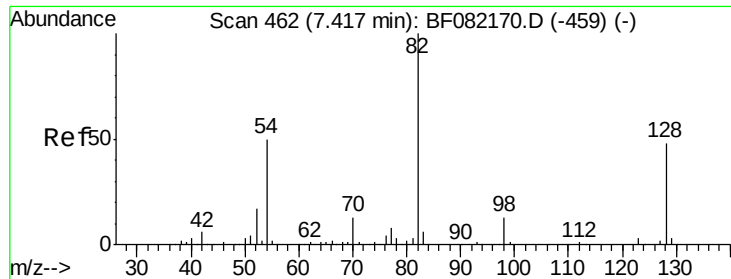
Delta R.T. 0.00 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Tgt Ion:	136	Resp:	368952
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.6
54	7.7	7.5	11.3
68	4.9	4.6	7.0





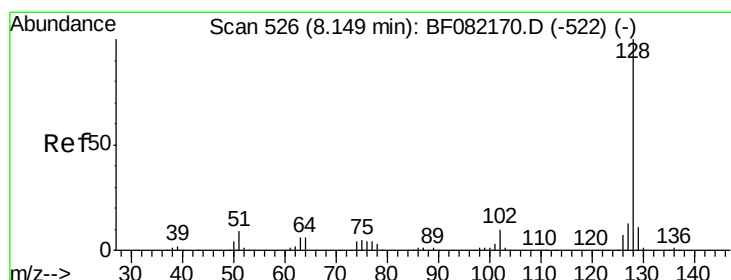
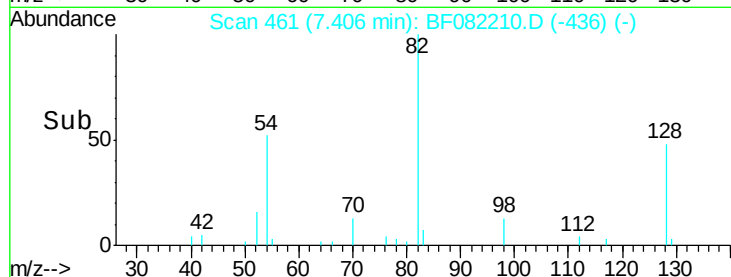
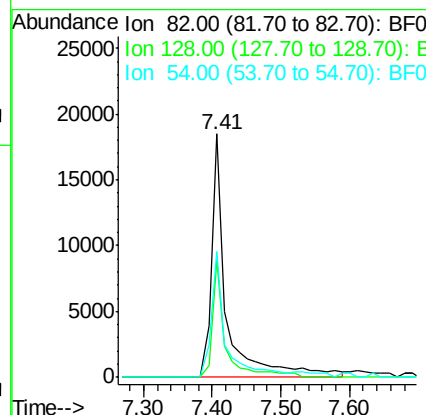
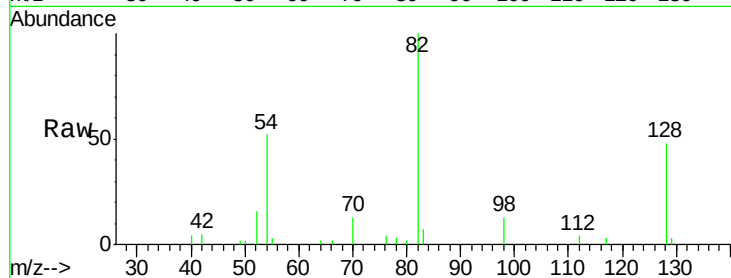
#23
 Nitrobenzene-d5
 Concen: 5.18 ng
 RT: 7.41 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	38.7	58.1
54	51.8	40.1	60.1

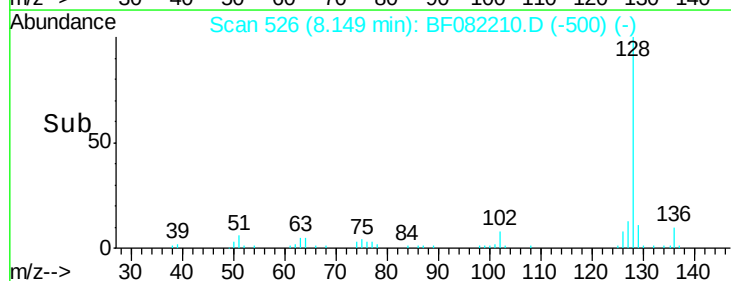
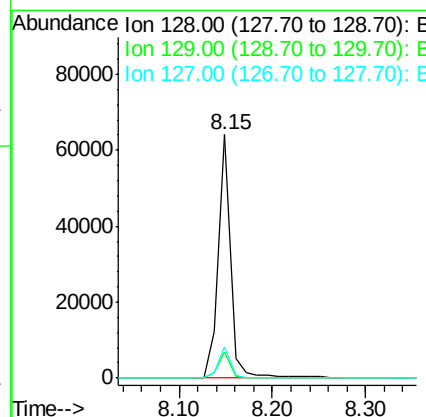
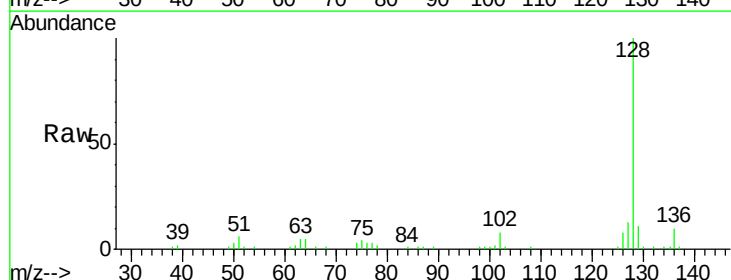
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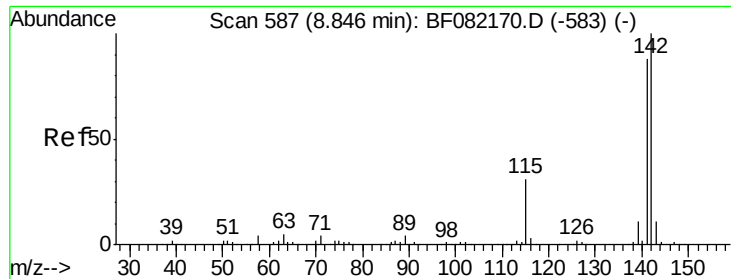
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#31
 Naphthalene
 Concen: 3.71 ng
 RT: 8.15 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	12.9	10.7	16.1





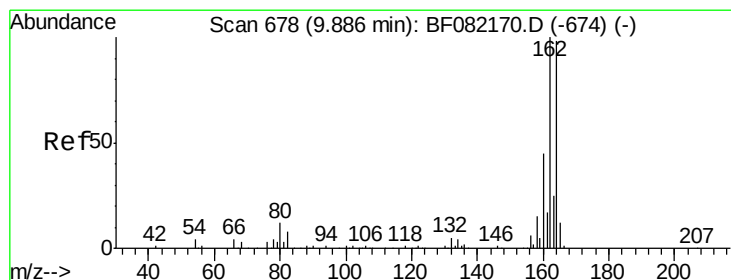
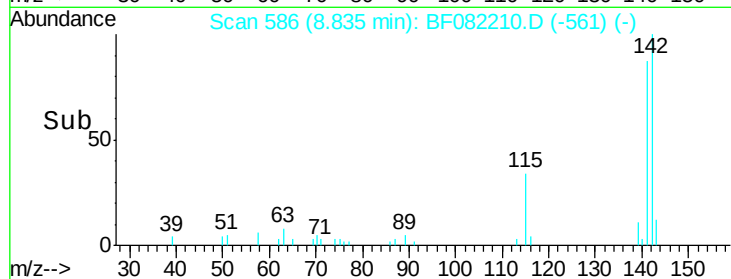
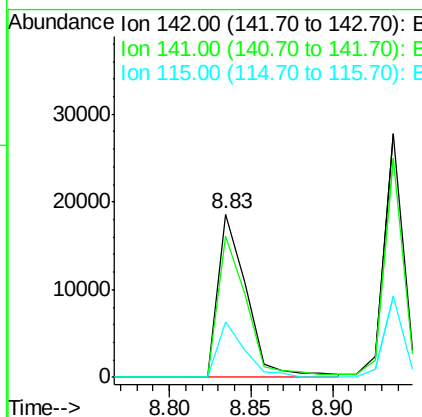
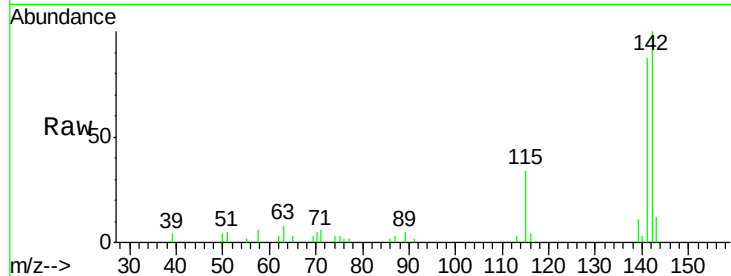
#37
 2-Methylnaphthalene
 Concen: 2.05 ng
 RT: 8.83 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Instrument :
 BNA_F
 ClientSampleID :
 LS-COMP(1-8)DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.4	105.6
115	34.2	24.6	37.0

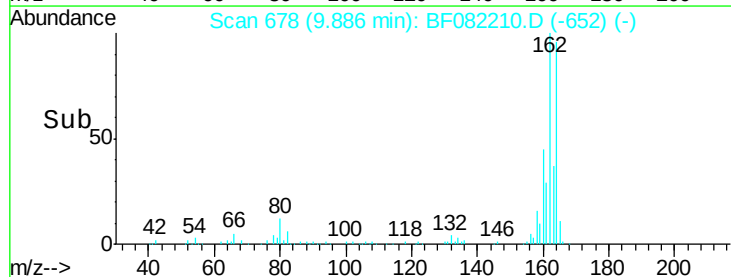
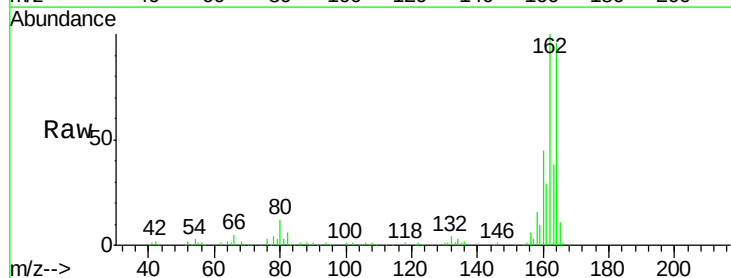
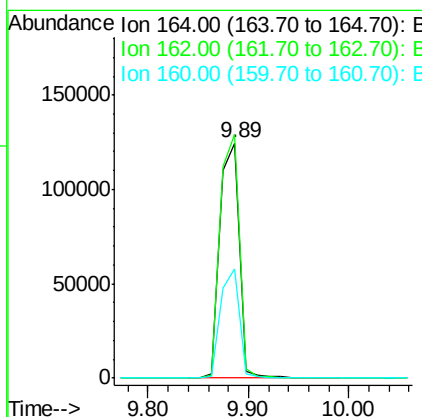
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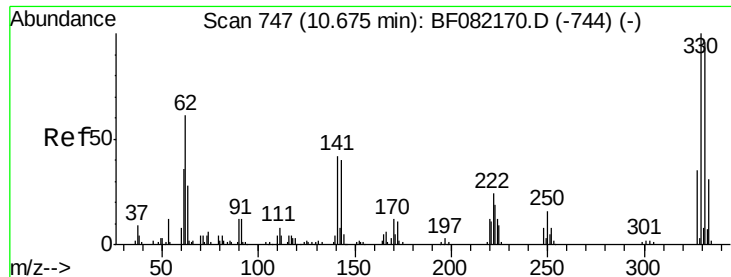
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.6	122.4
160	46.7	36.4	54.6





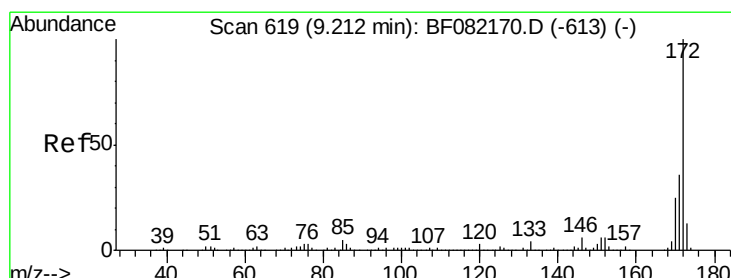
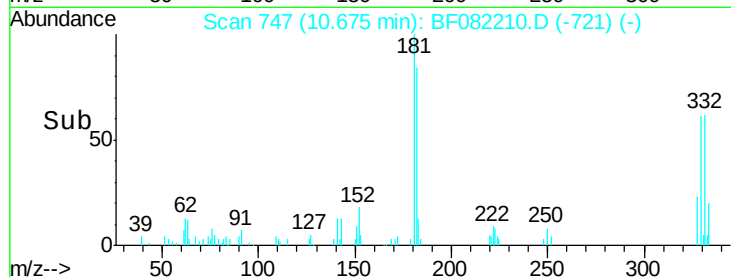
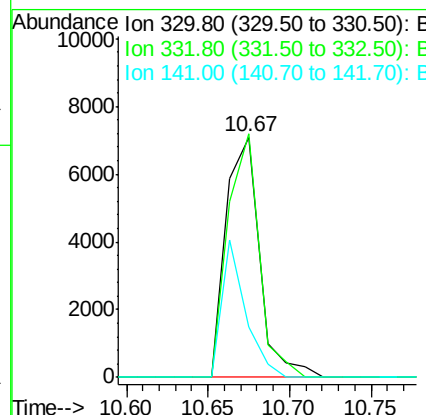
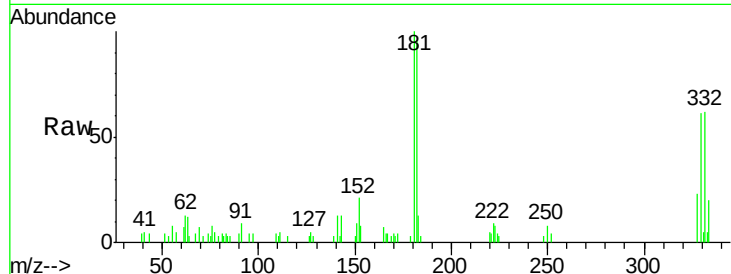
#41
 2,4,6-Tribromophenol
 Concen: 6.40 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10078		
332	94.1	77.1	115.7	
141	40.6	29.8	44.8	

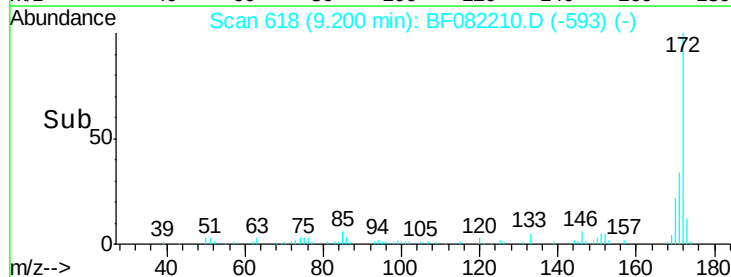
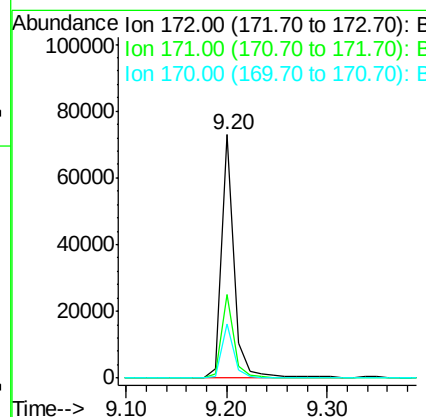
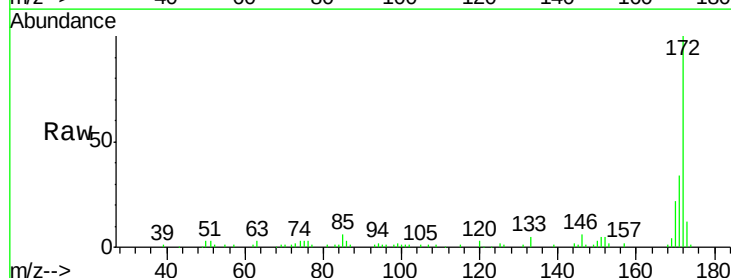
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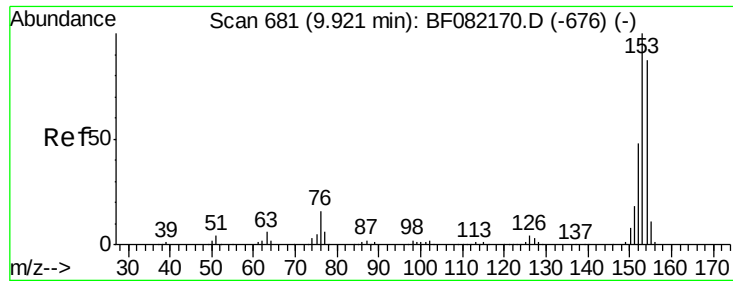
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#44
 2-Fluorobiphenyl
 Concen: 6.31 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	63933		
171	34.1	28.6	42.8	
170	22.3	19.7	29.5	





#51

Acenaphthene

Concen: 6.25 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Instrument :

BNA_F

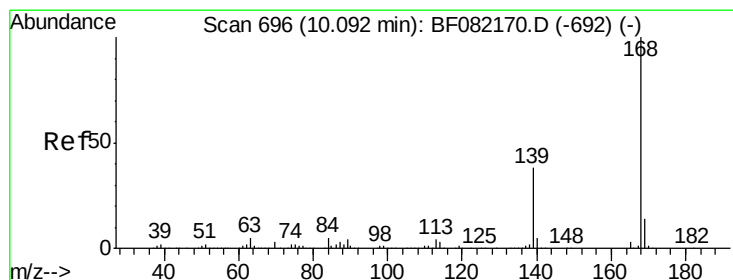
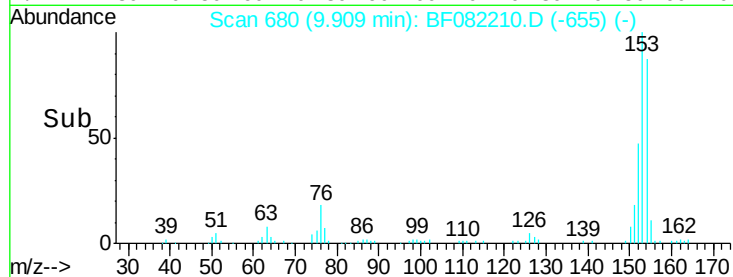
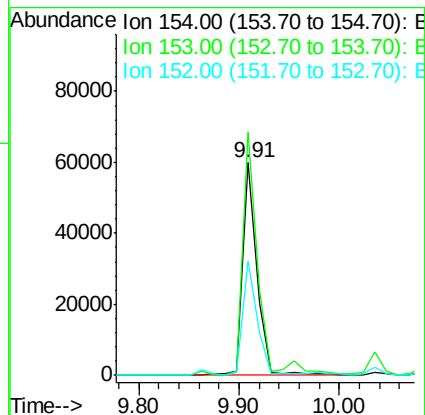
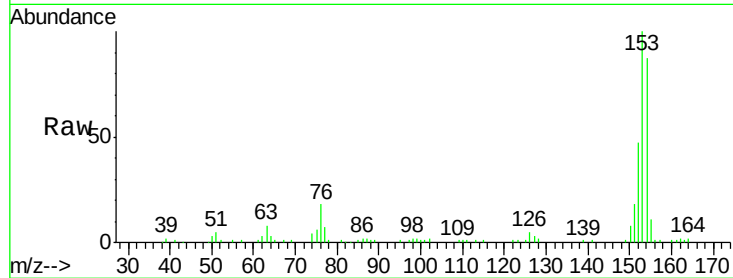
ClientSampleId :

LS-COMP(1-8)DL

Tgt Ion:	154	Resp:	58907
Ion Ratio	Lower	Upper	
154	100		
153	114.5	91.4	137.2
152	54.0	44.3	66.5

Manual Integrations
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#54

Dibenzofuran

Concen: 5.26 ng

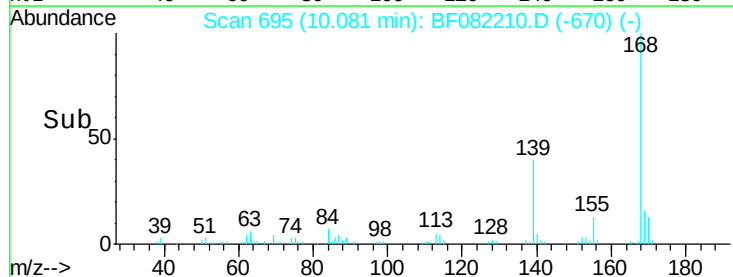
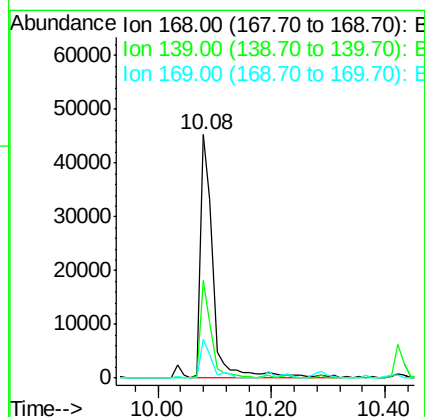
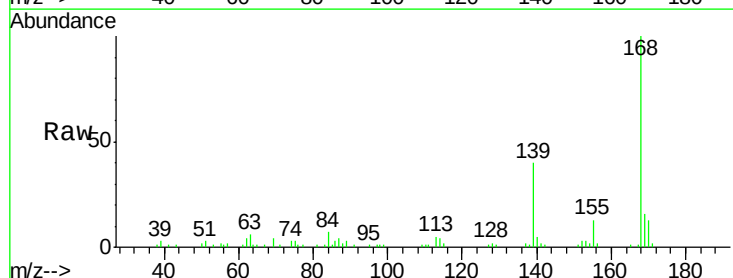
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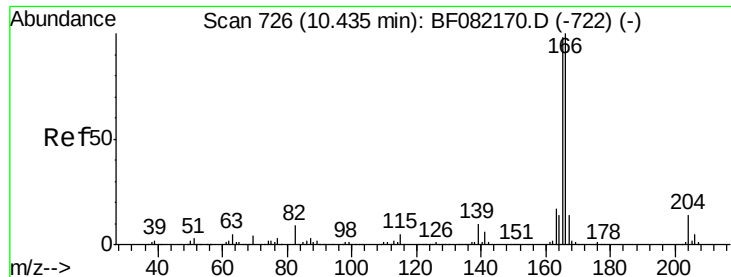
Delta R.T. -0.01 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Tgt Ion:	168	Resp:	68009
Ion Ratio	Lower	Upper	
168	100		
139	40.2	31.0	46.6
169	16.0	10.9	16.3





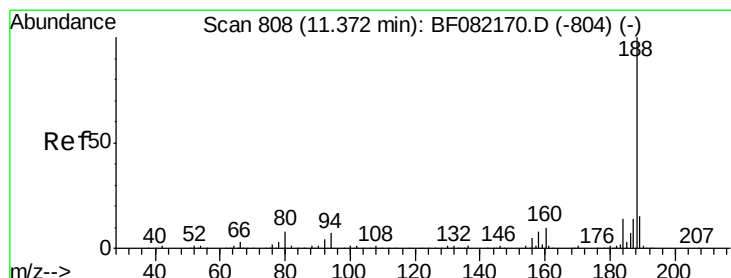
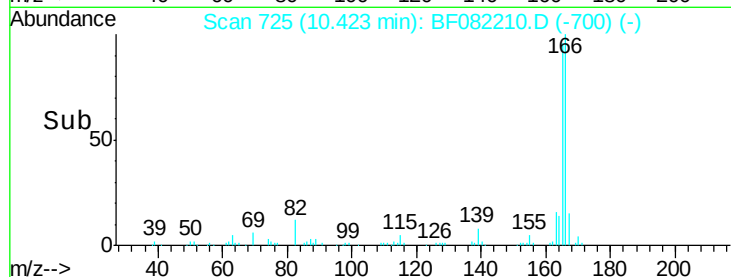
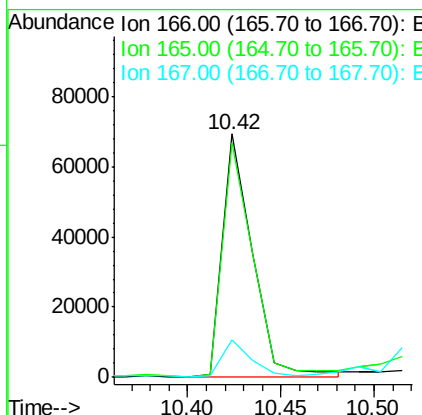
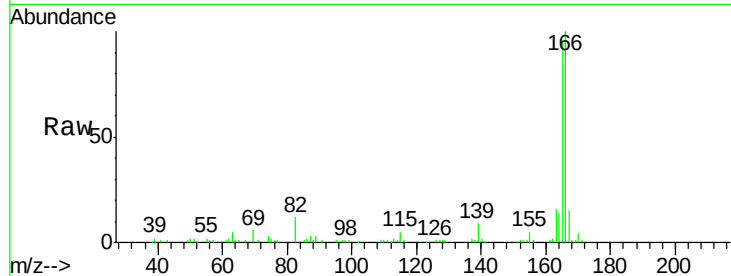
#57
Fluorene
 Concen: 7.39 ng
 RT: 10.42 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	78570		
165	96.5	78.3	117.5	
167	15.4	10.8	16.2	

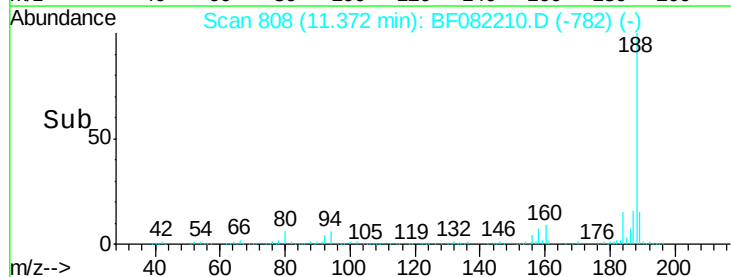
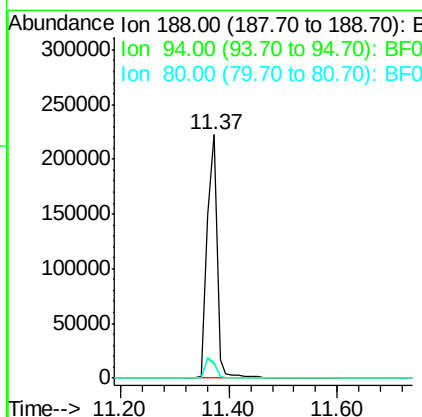
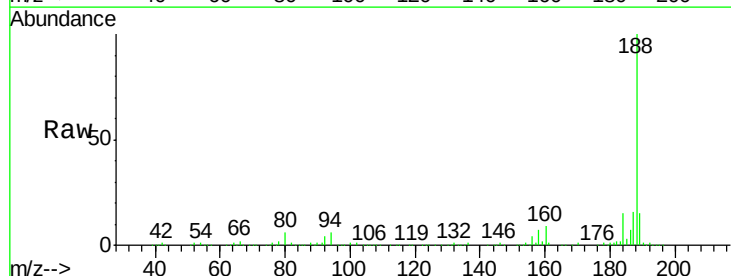
Manual Integrations
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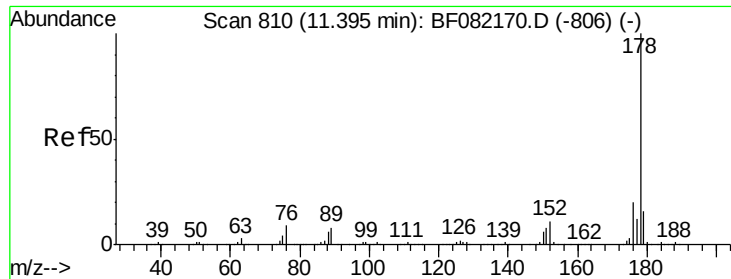
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	281240		
94	6.1	5.8	8.6	
80	6.3	6.4	9.6	





#70

Phenanthrene

Concen: 41.15 ng

RT: 11.40 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082210.D

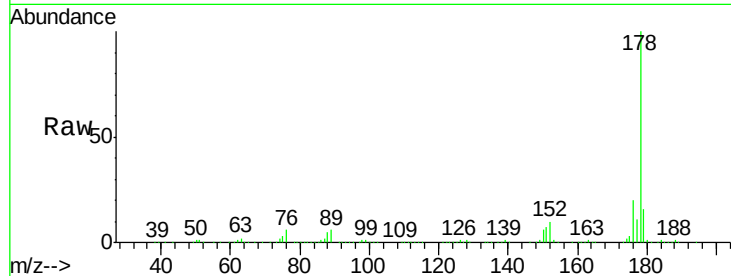
Acq: 11 Oct 2015 8:09

Instrument :

BNA_F

ClientSampleId :

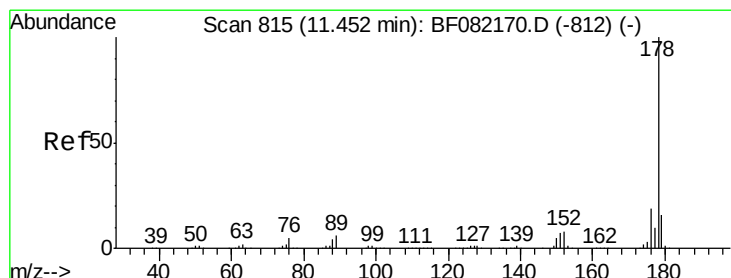
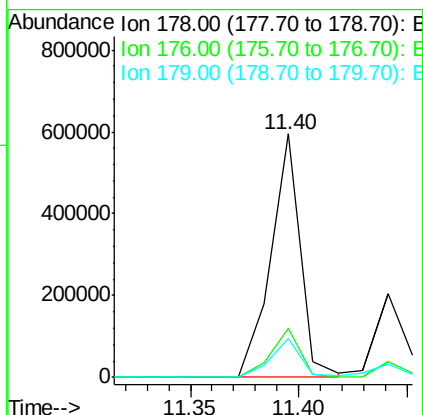
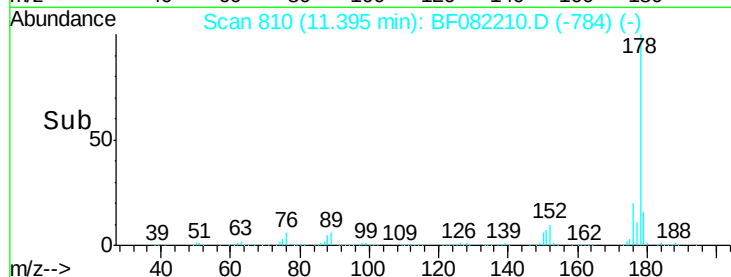
LS-COMP(1-8)DL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.7	12.6	19.0

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#71

Anthracene

Concen: 14.65 ng

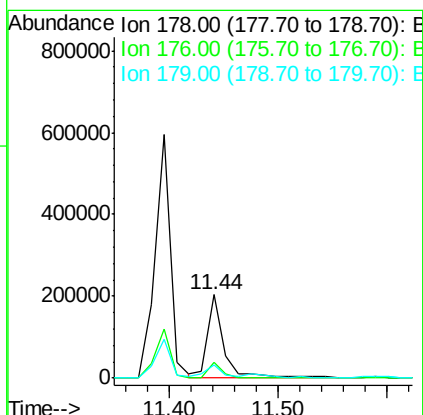
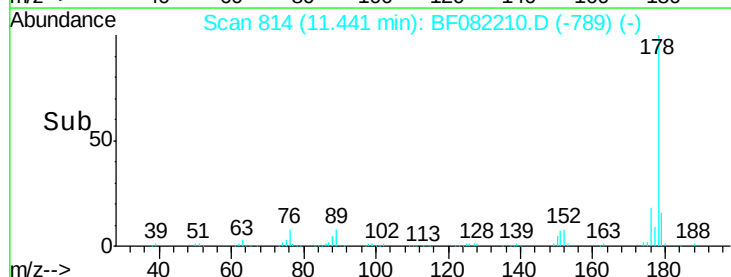
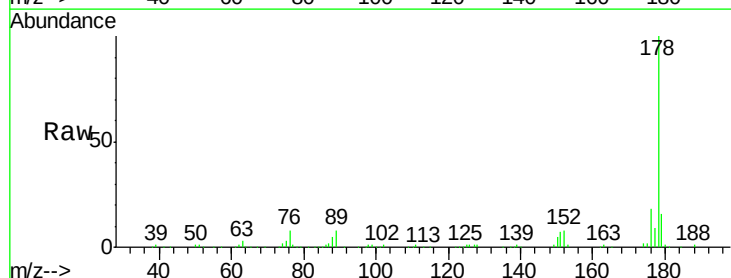
RT: 11.44 min Scan# 814

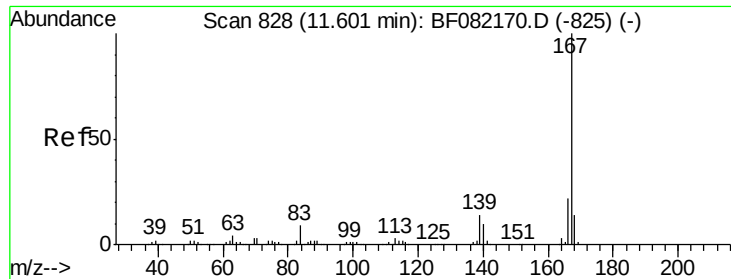
Delta R.T. -0.01 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.7	12.5	18.7





#72

Carbazole

Concen: 3.40 ng

RT: 11.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF082210.D

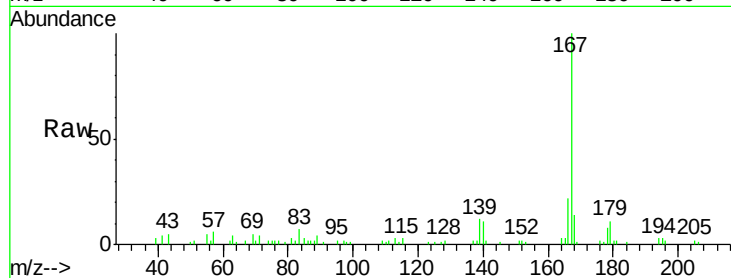
Acq: 11 Oct 2015 8:09

Instrument :

BNA_F

ClientSampleId :

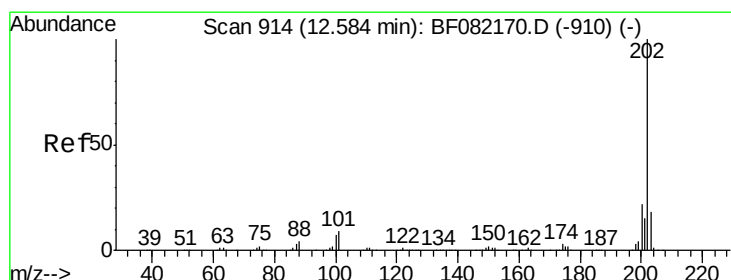
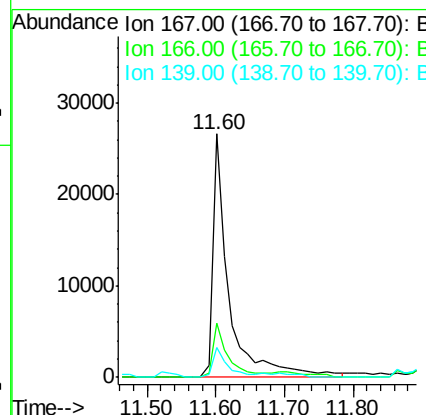
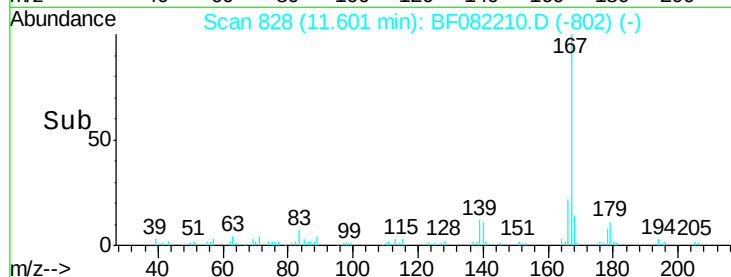
LS-COMP(1-8)DL



Tgt Ion:	167	Resp:	44013
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.3	25.9
139	12.3	11.2	16.8

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#74

Fluoranthene

Concen: 32.20 ng

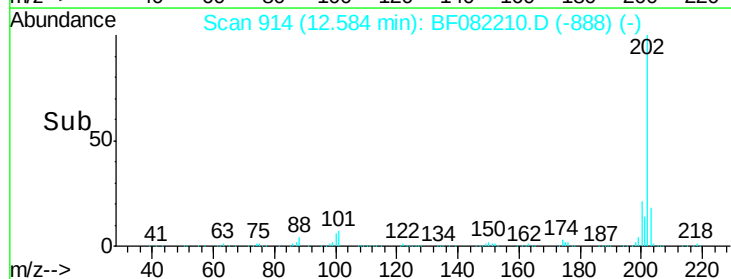
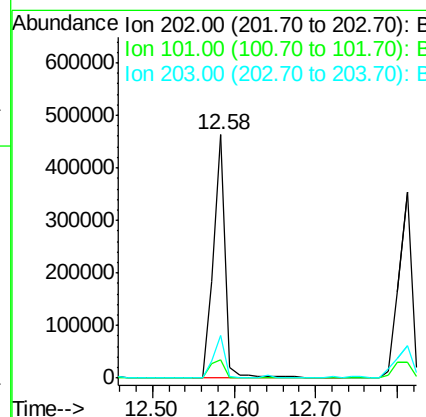
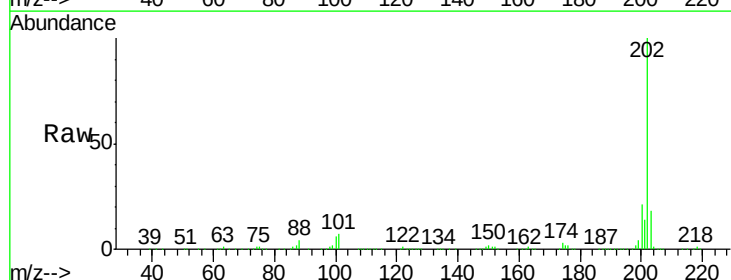
RT: 12.58 min Scan# 914

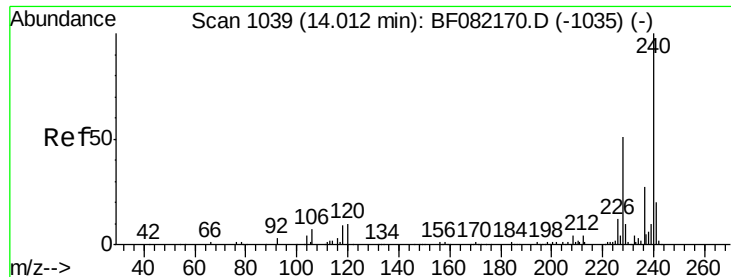
Delta R.T. 0.00 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Tgt Ion:	202	Resp:	476819
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	29.3
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Instrument :

BNA_F

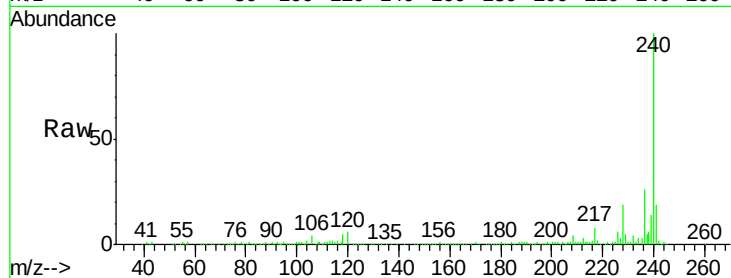
ClientSampleId :

LS-COMP(1-8)DL

Tgt Ion:	240	Resp:	234527
Ion Ratio	Lower	Upper	
240	100		
120	6.0	8.1	12.1#
236	25.5	21.3	31.9

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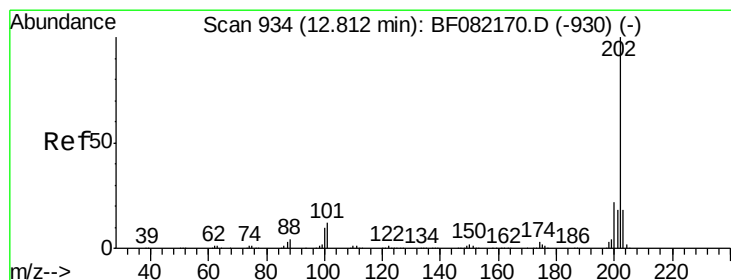
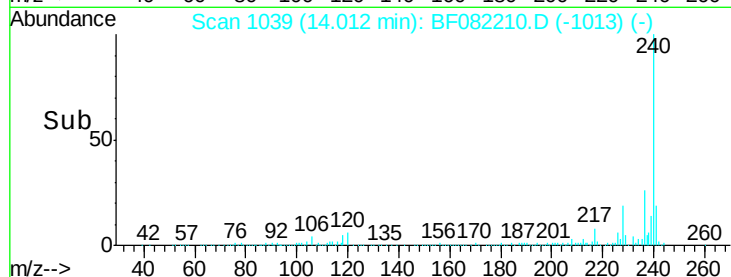
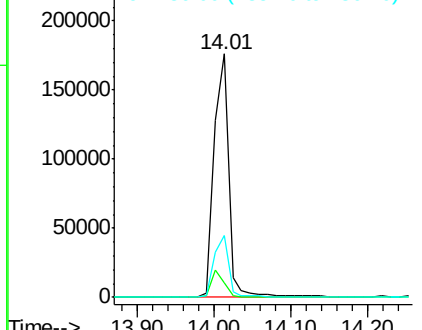
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 27.68 ng

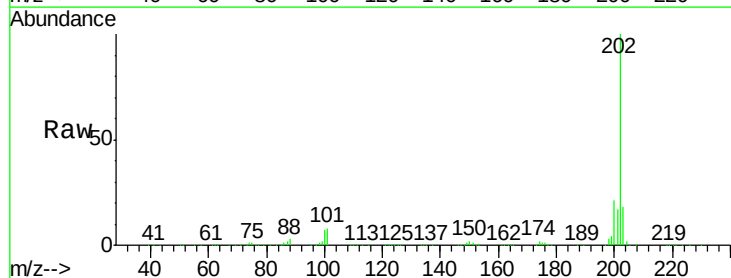
RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

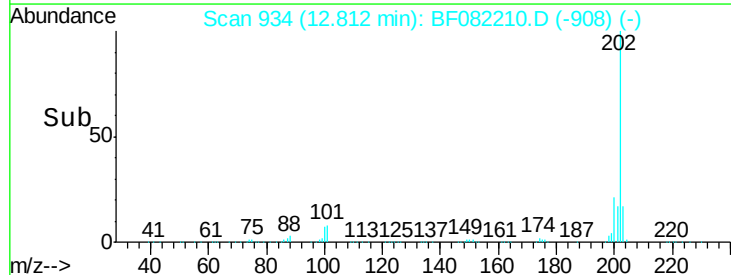
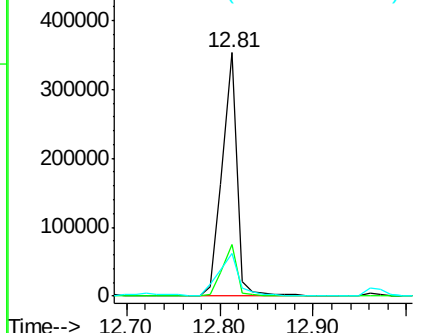
Tgt Ion:	202	Resp:	385194
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.9	26.9
203	17.6	14.5	21.7

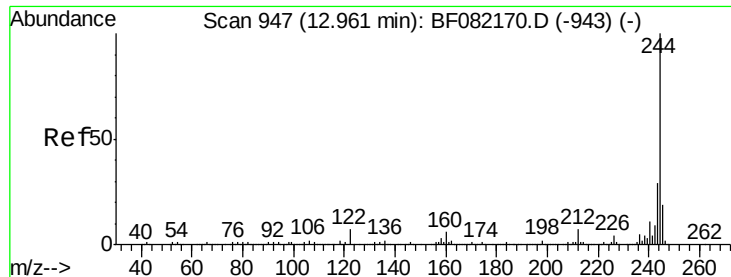


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.86 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082210.D

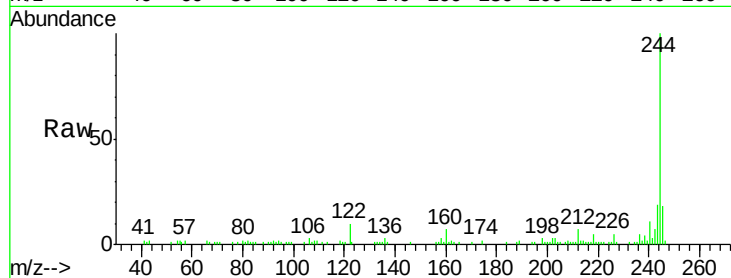
Acq: 11 Oct 2015 8:09

Instrument :

BNA_F

ClientSampleId :

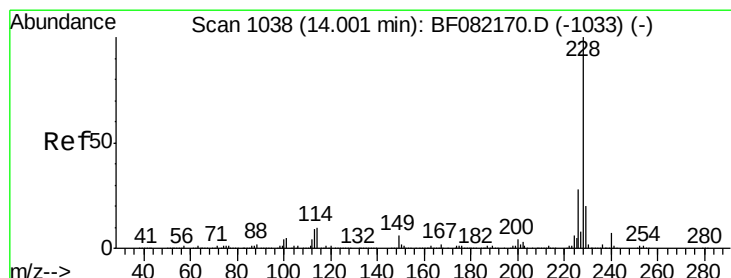
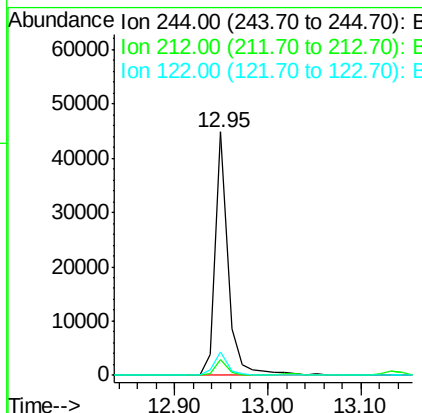
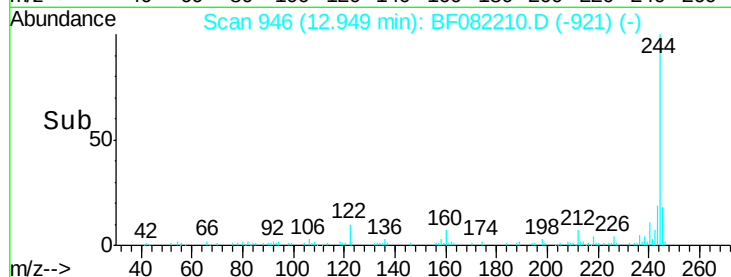
LS-COMP(1-8)DL



Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	5.8	8.6	
122	9.6	5.9	8.9#	

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#80

Benzo(a)anthracene

Concen: 15.14 ng m

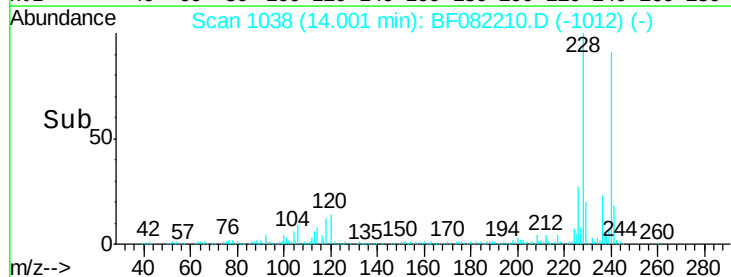
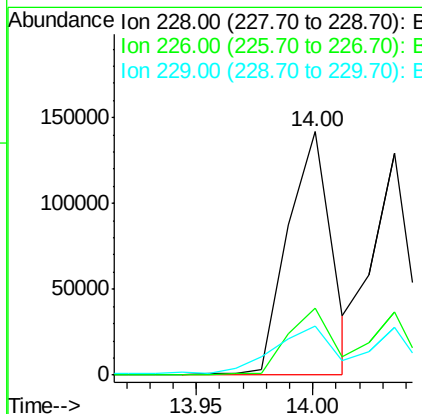
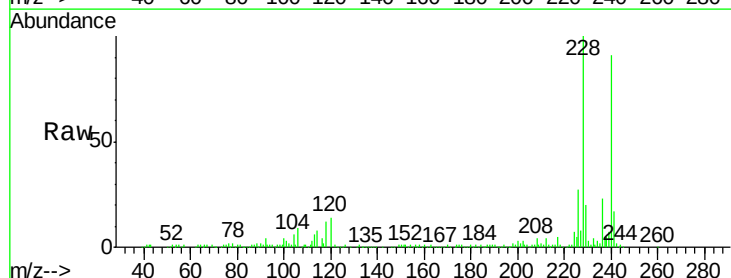
RT: 14.00 min Scan# 1038

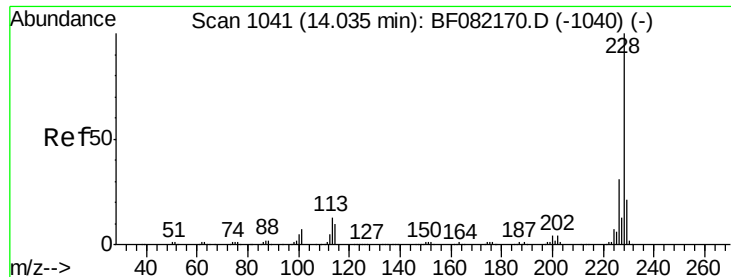
Delta R.T. 0.00 min

Lab File: BF082210.D

Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.5	22.3	33.5	
229	20.3	16.2	24.2	





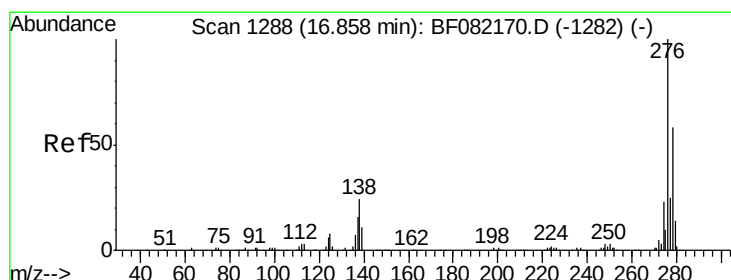
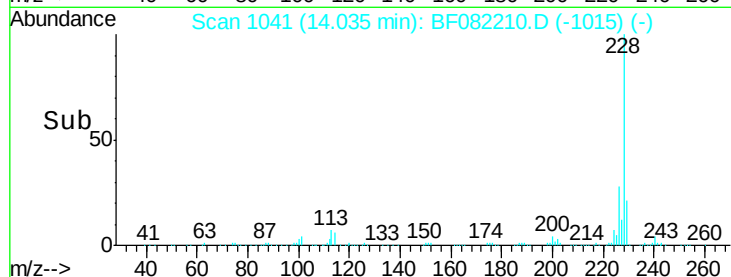
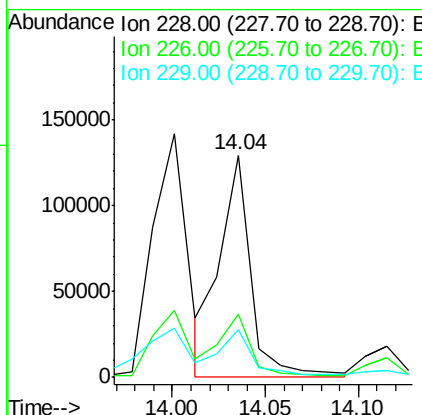
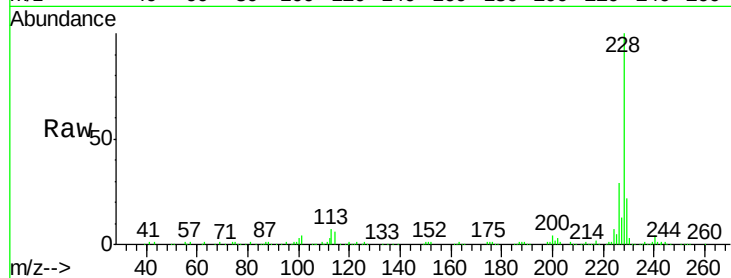
#82
Chrysene
 Concen: 11.83 ng m
 RT: 14.04 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)DL

Tgt Ion:	228	Resp:	152144
Ion Ratio	Lower	Upper	
228	100		
226	28.5	24.4	36.6
229	21.7	16.3	24.5

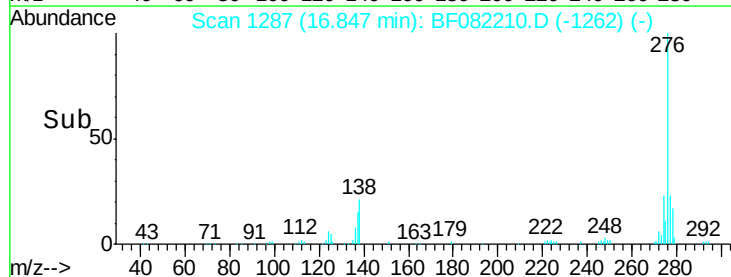
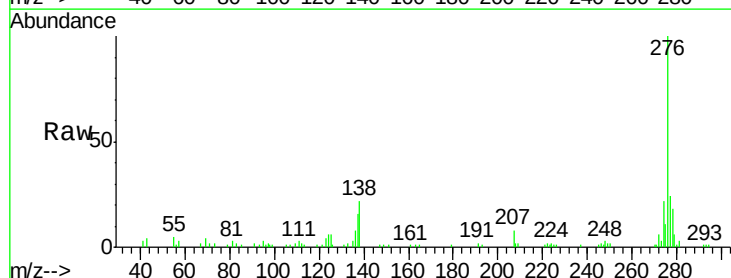
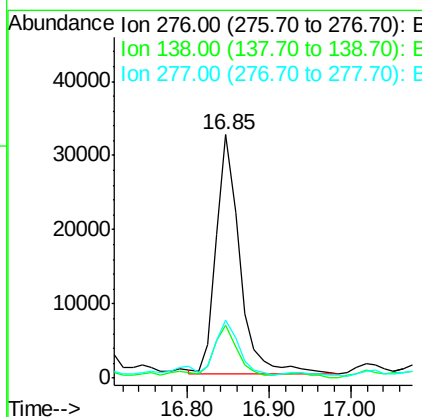
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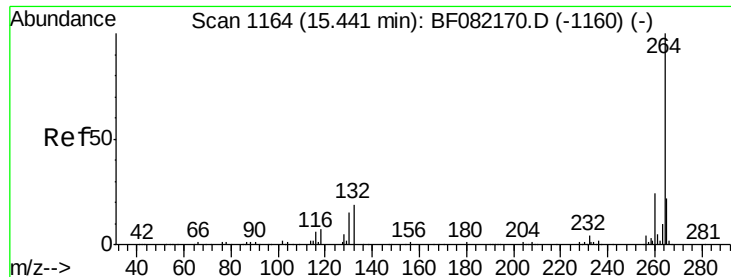
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#85
Indeno(1,2,3-cd)pyrene
 Concen: 6.35 ng
 RT: 16.85 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Tgt Ion:	276	Resp:	64920
Ion Ratio	Lower	Upper	
276	100		
138	22.8	19.7	29.5
277	23.2	20.1	30.1





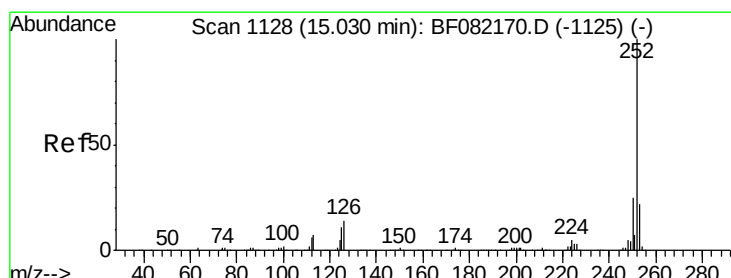
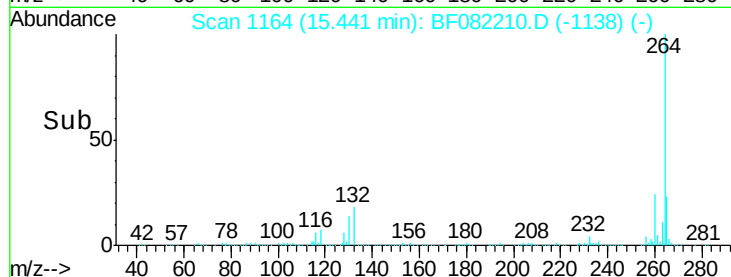
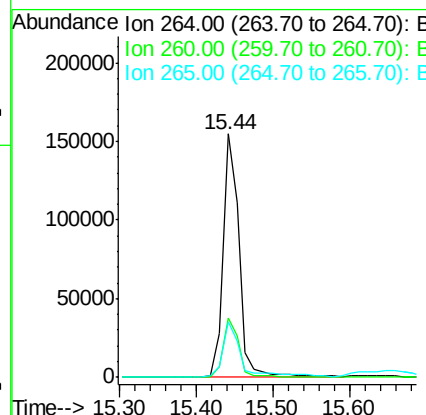
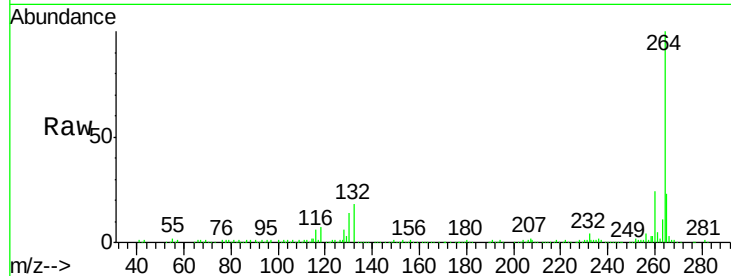
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF082210.D
Acq: 11 Oct 2015 8:09

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	225964		
260	24.4	19.0	28.6	
265	22.5	17.3	25.9	

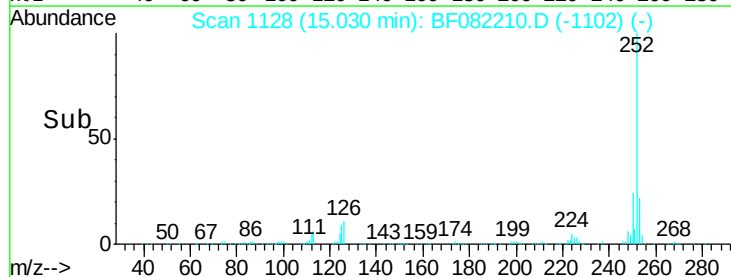
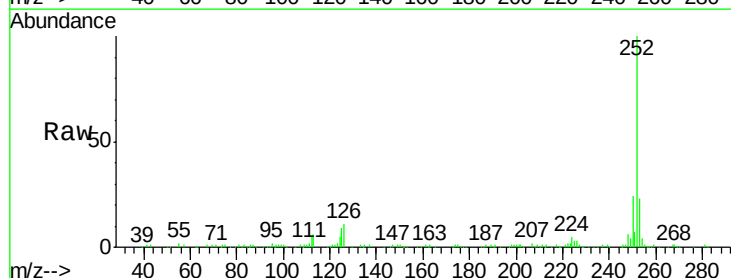
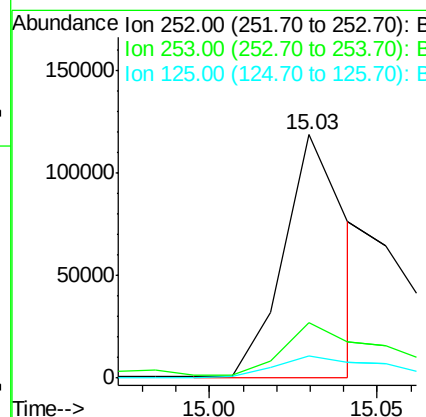
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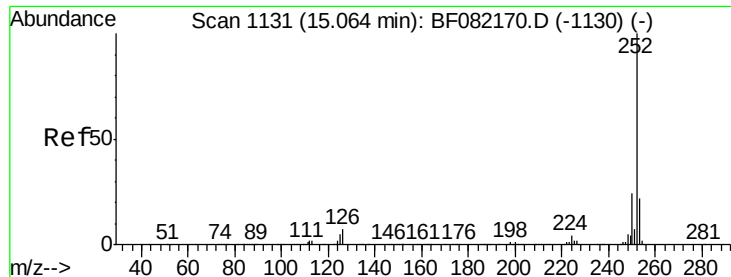
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#87
Benzo(b)fluoranthene
Concen: 11.41 ng m
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082210.D
Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	156886		
253	22.9	18.0	27.0	
125	9.4	8.6	12.8	





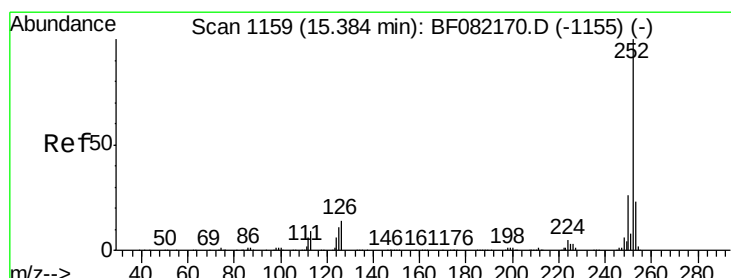
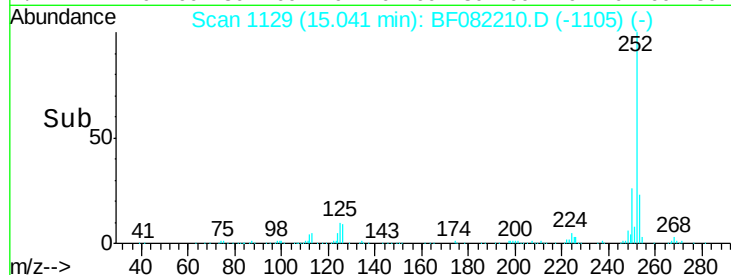
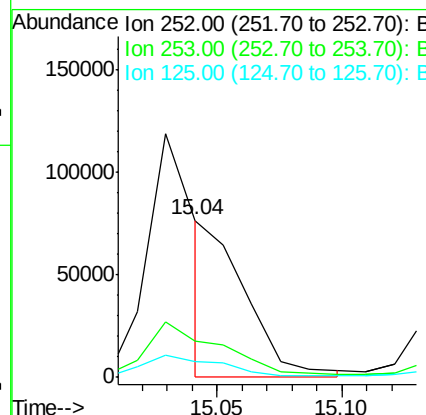
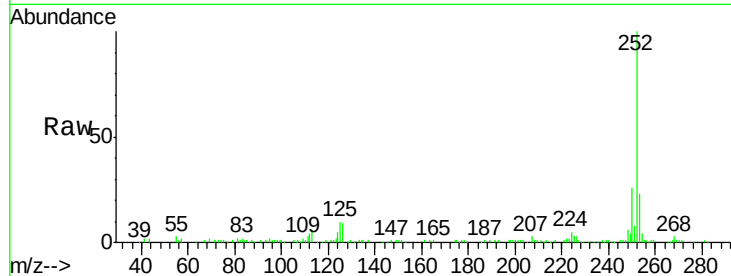
#88
Benzo(k)fluoranthene
Concen: 6.81 ng m
RT: 15.04 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF082210.D
Acq: 11 Oct 2015 8:09

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.3	6.7	10.1

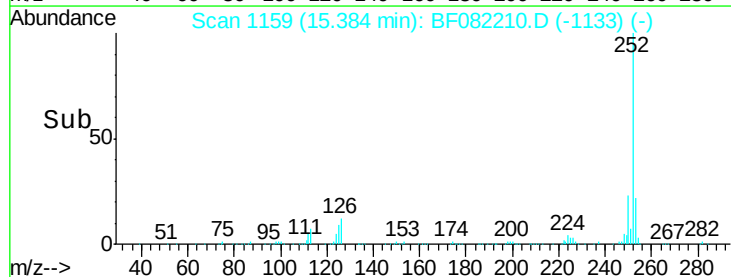
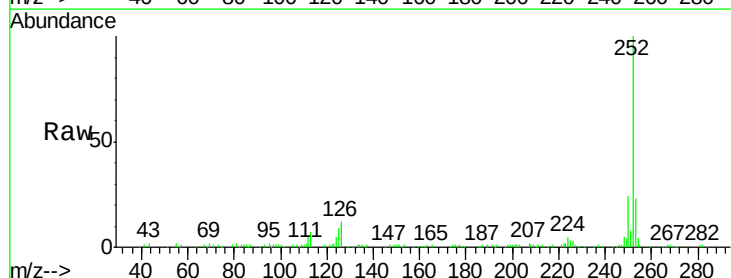
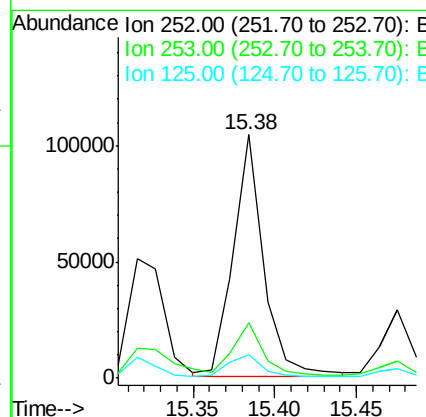
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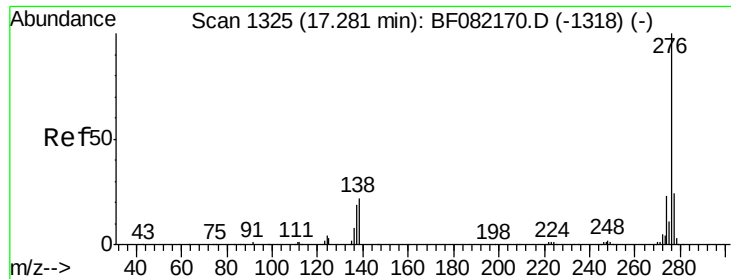
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#89
Benzo(a)pyrene
Concen: 11.31 ng
RT: 15.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF082210.D
Acq: 11 Oct 2015 8:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.5	8.9	13.3





#91
 Benzo(g,h,i)perylene
 Concen: 6.77 ng
 RT: 17.27 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF082210.D
 Acq: 11 Oct 2015 8:09

Instrument :
 BNA_F
 ClientSampleId :
 LS-COMP(1-8)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	21.4	17.4	26.2

Manual Integrations
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