

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
 Data File : BF082208.D
 Acq On : 11 Oct 2015 7:10
 Operator : UM/IZ
 Sample : G3979-20
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A11COMP

Manual Integrations
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MMDadoda
 10/12/2015 2:38:48 PM

Quant Time: Oct 12 13:48:03 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	84919	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	326383	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	139713	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	226482	20.00	ng	0.00
75) Chrysene-d12	14.01	240	196152	20.00	ng	0.00
86) Perylene-d12	15.44	264	182987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	483312	114.87	ng	0.01
7) Phenol-d6	6.48	99	625562	114.25	ng	0.00
23) Nitrobenzene-d5	7.41	82	357499	73.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	128485	98.06	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	645053	76.57	ng	-0.01
78) Terphenyl-d14	12.95	244	477603	64.52	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	189172	19.23	ng	98
70) Phenanthrene	11.39	178	228118	20.55	ng	97
71) Anthracene	11.44	178	61141	5.34	ng	98
72) Carbazole	11.60	167	23185	2.22	ng	97
74) Fluoranthene	12.58	202	521983	43.78	ng	99
77) Pyrene	12.81	202	412846	35.47	ng	99
80) Benzo(a)anthracene	14.00	228	232090	22.74	ng	96
82) Chrysene	14.04	228	249373m	23.19	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	145947	17.08	ng	98
87) Benzo(b)fluoranthene	15.03	252	374330m	33.62	ng	
88) Benzo(k)fluoranthene	15.05	252	83127m	8.88	ng	
89) Benzo(a)pyrene	15.38	252	215529	22.53	ng	98
90) Dibenzo(a,h)anthracene	16.86	278	29535m	3.77	ng	
91) Benzo(g,h,i)perylene	17.28	276	135423	17.78	ng	98

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

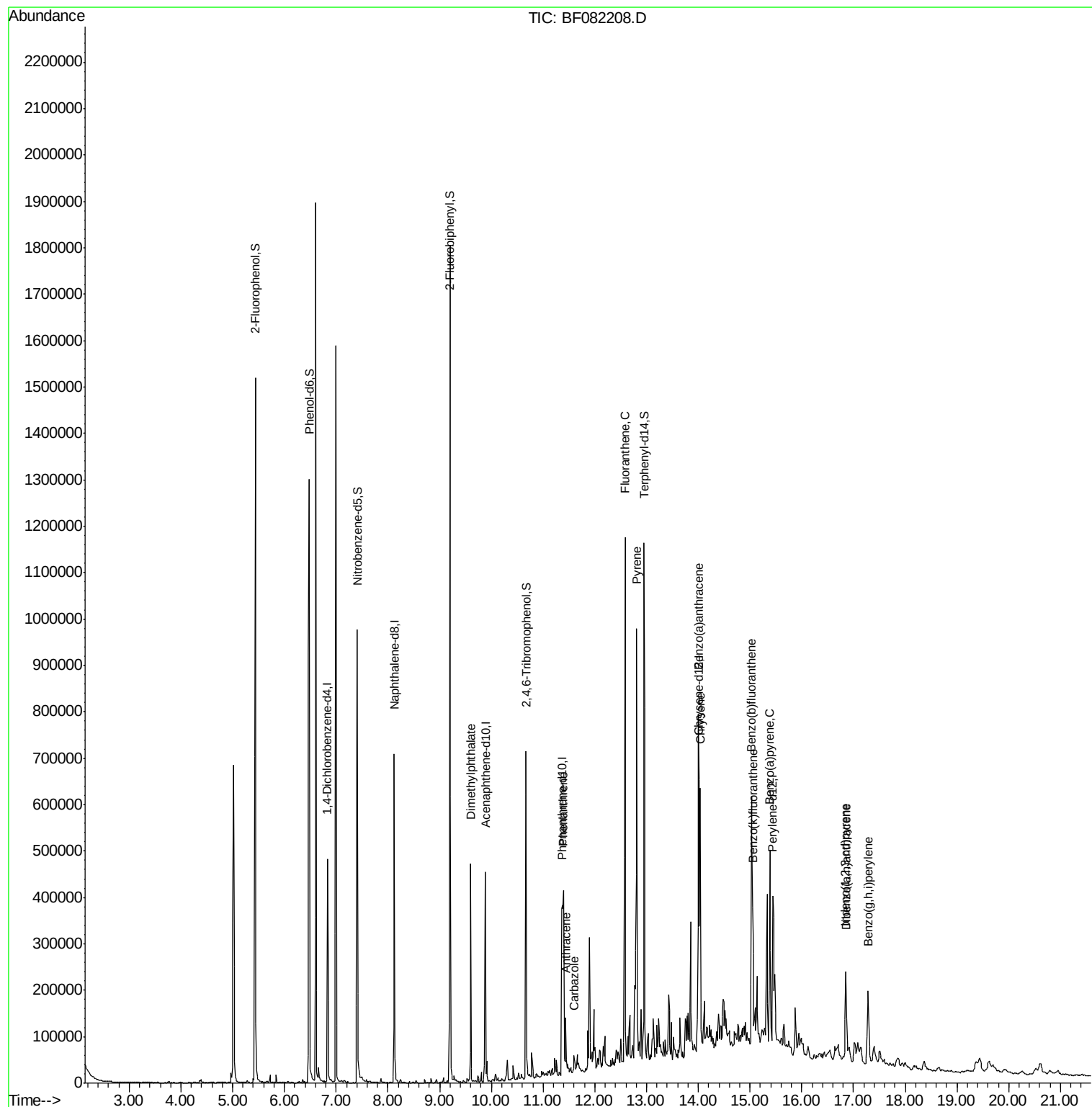
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
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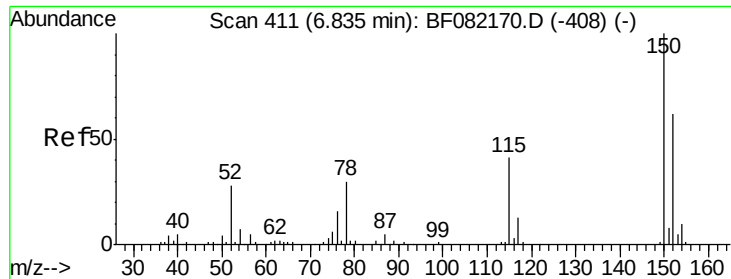
Instrument :
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Quant Time: Oct 12 13:48:03 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
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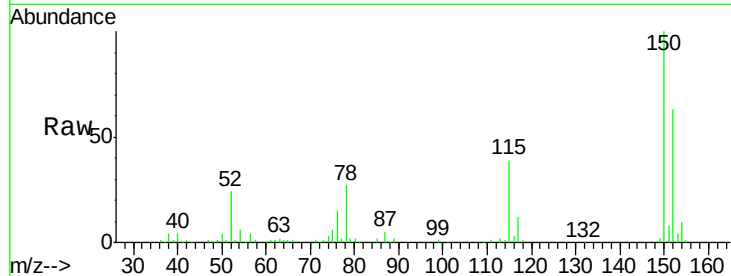




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

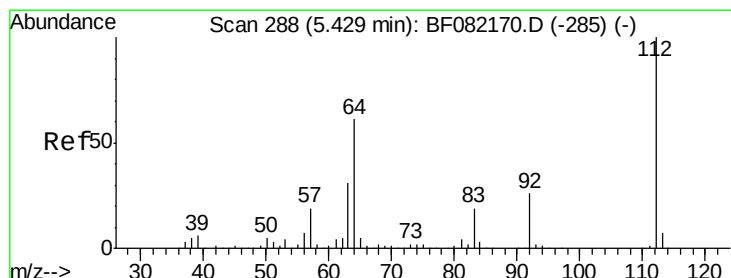
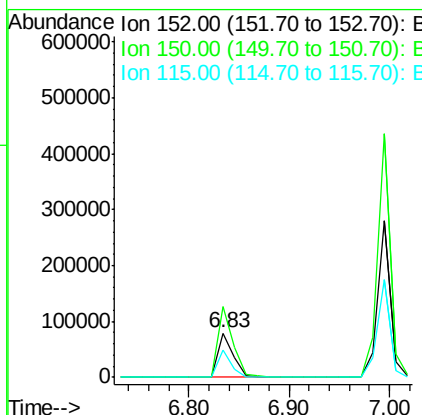
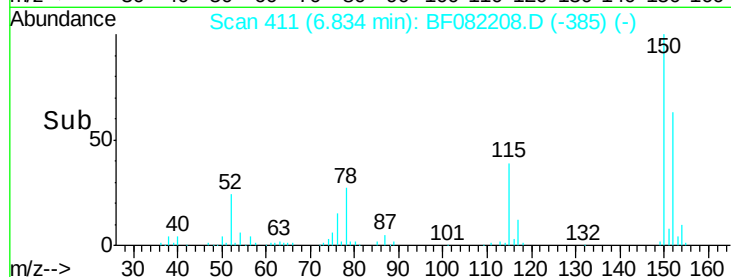
Instrument :
BNA_F
ClientSampleId :
A11COMP



Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	129.0	193.4
115	62.3	52.1	78.1

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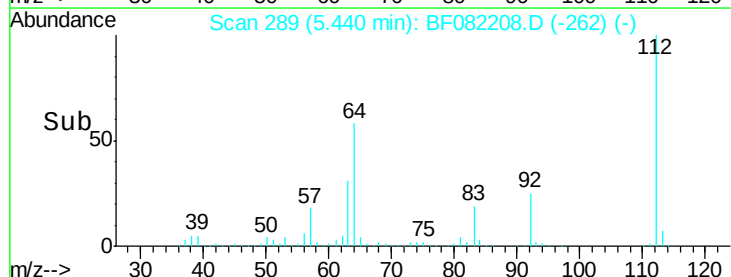
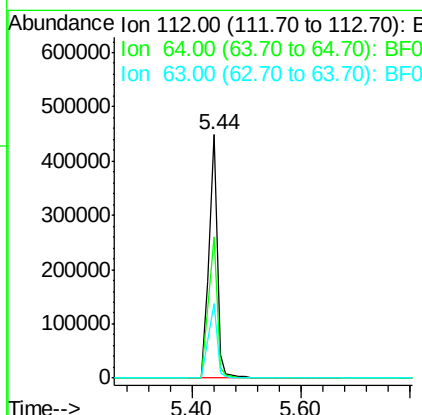
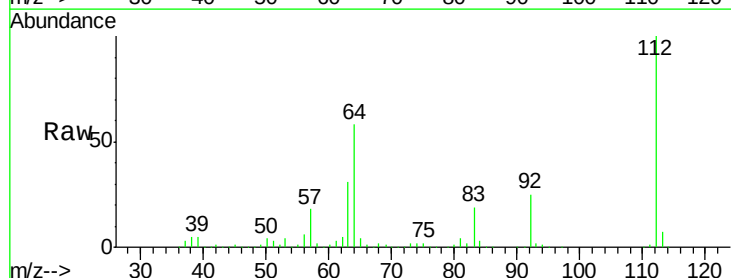
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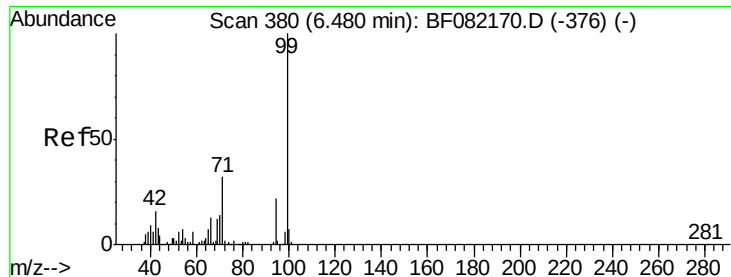


#5

2-Fluorophenol
Concen: 114.87 ng
RT: 5.44 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.6	73.0
63	30.7	25.1	37.7





#7

Phenol-d6

Concen: 114.25 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082208.D

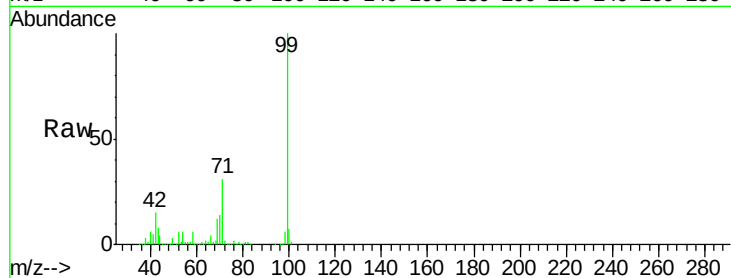
Acq: 11 Oct 2015 7:10

Instrument :

BNA_F

ClientSampleId :

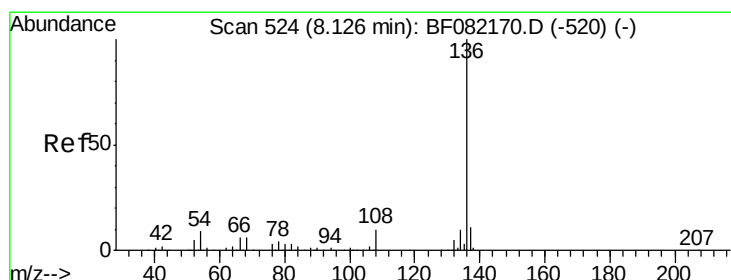
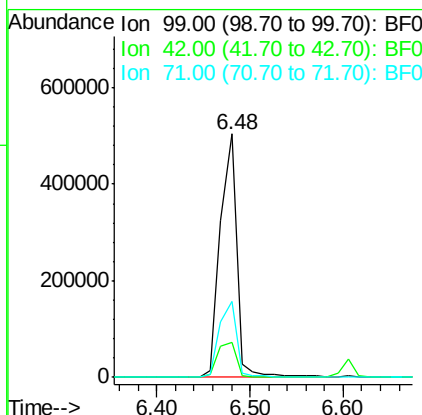
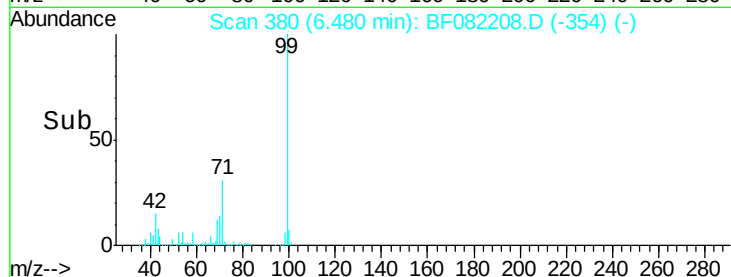
A11COMP



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	625562		
42	14.6	13.2	19.8	
71	31.2	25.6	38.4	

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#21

Naphthalene-d8

Concen: 20.00 ng

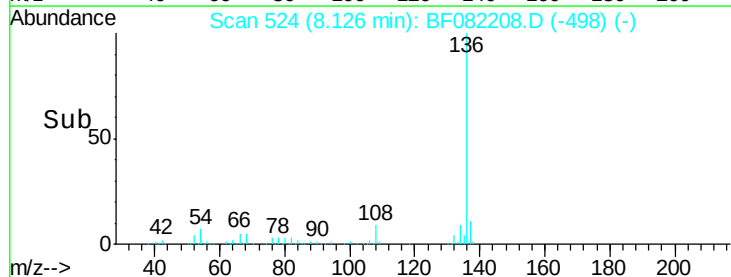
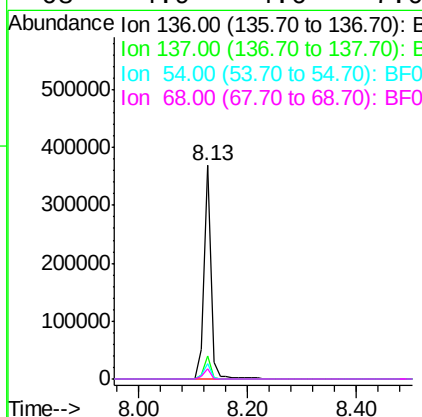
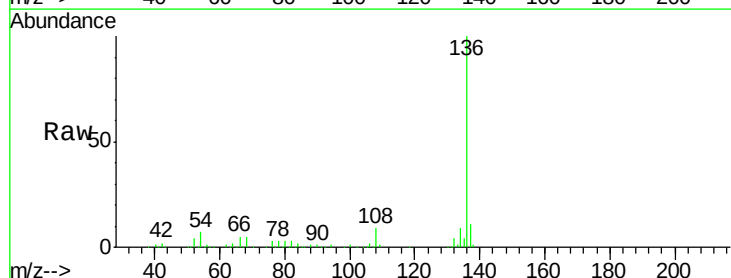
RT: 8.13 min Scan# 524

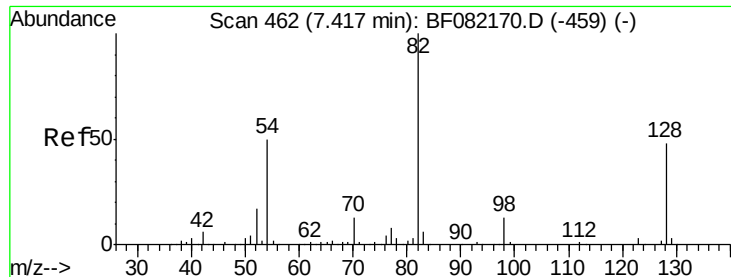
Delta R.T. 0.00 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	326383		
137	10.8	9.0	13.6	
54	7.1	7.5	11.3#	
68	4.9	4.6	7.0	





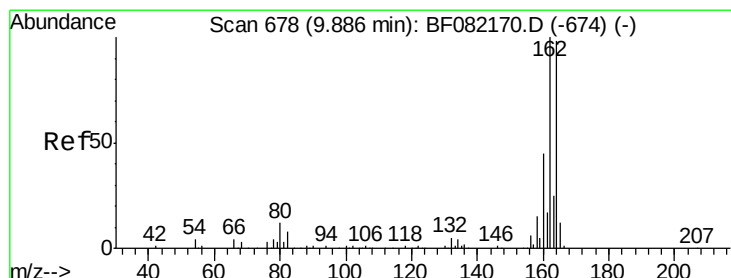
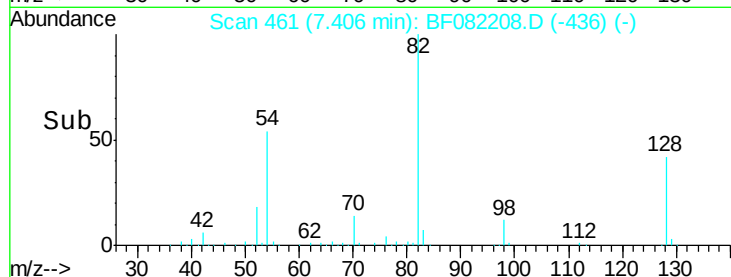
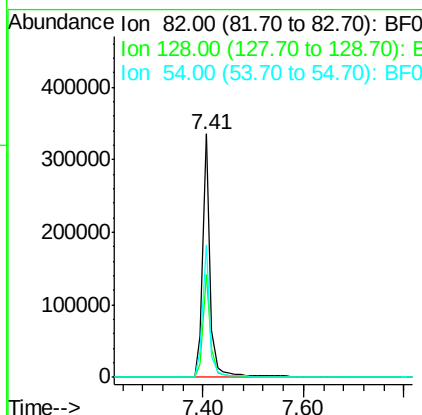
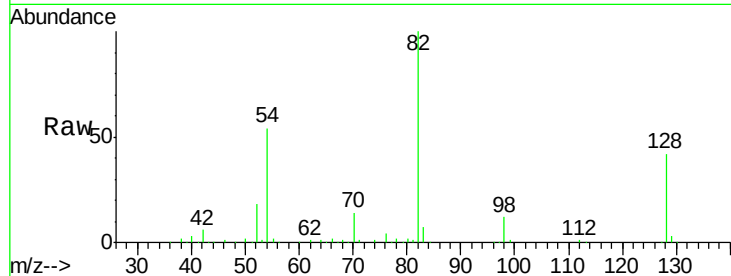
#23
 Nitrobenzene-d5
 Concen: 73.56 ng
 RT: 7.41 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF082208.D
 Acq: 11 Oct 2015 7:10

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	357499		
128	42.5	38.7	58.1	
54	54.4	40.1	60.1	

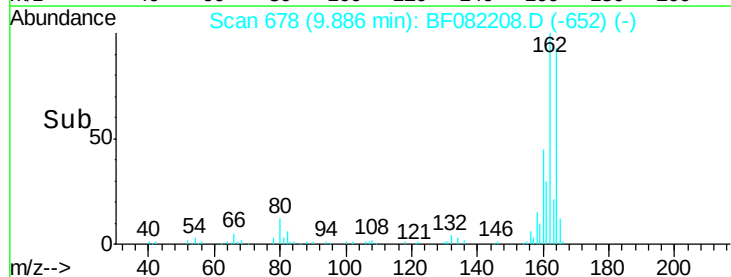
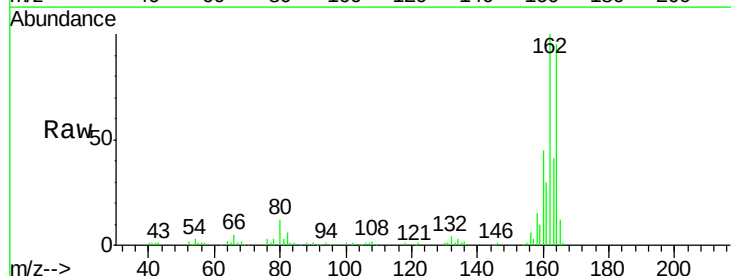
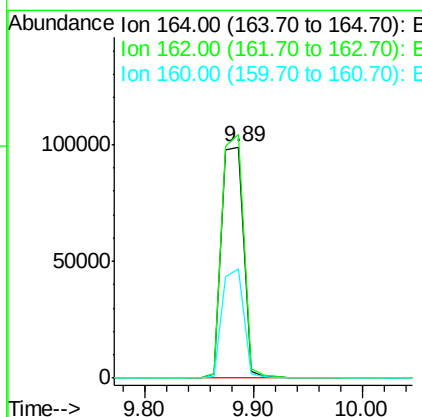
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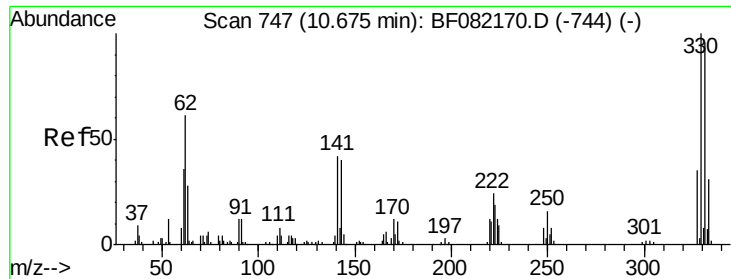
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF082208.D
 Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139713		
162	105.4	81.6	122.4	
160	47.2	36.4	54.6	





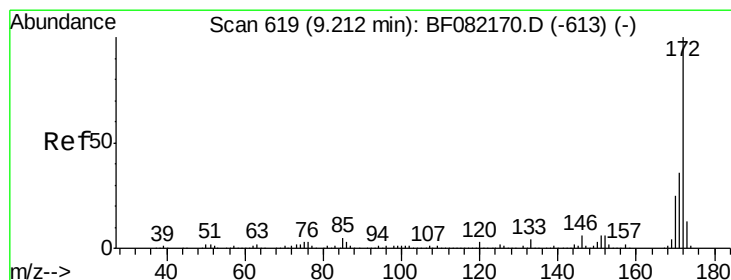
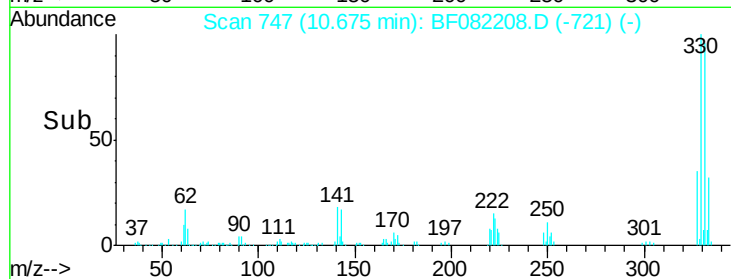
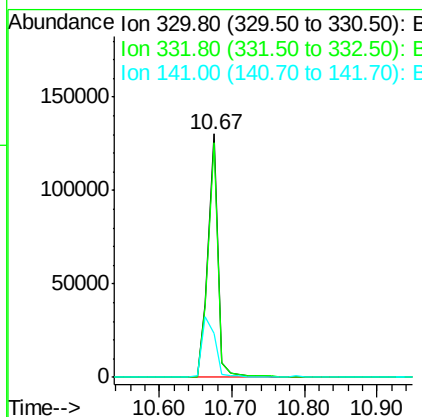
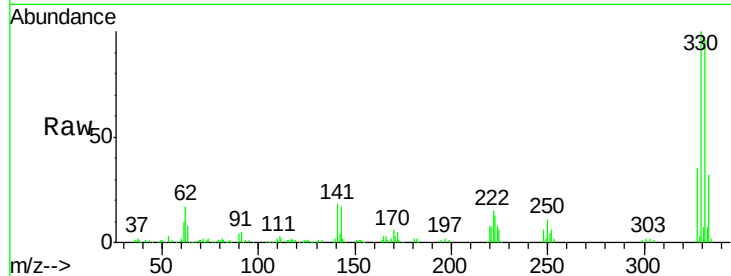
#41
 2,4,6-Tribromophenol
 Concen: 98.06 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082208.D
 Acq: 11 Oct 2015 7:10

Instrument :
 BNA_F
 ClientSampleId :
 A11COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	128485		
332	96.7	77.1	115.7	
141	32.8	29.8	44.8	

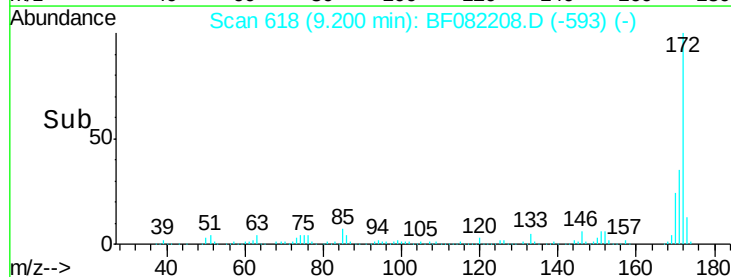
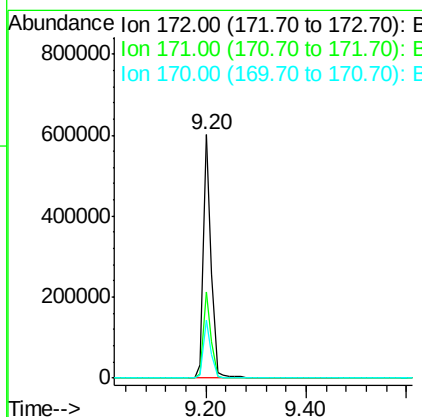
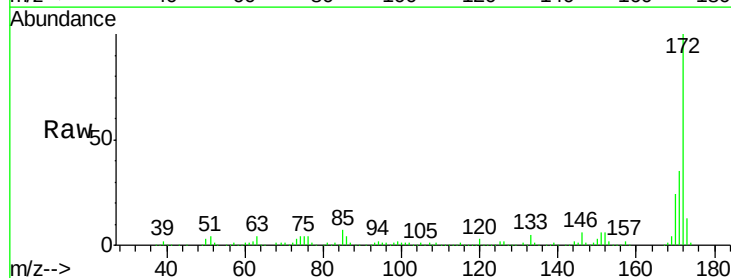
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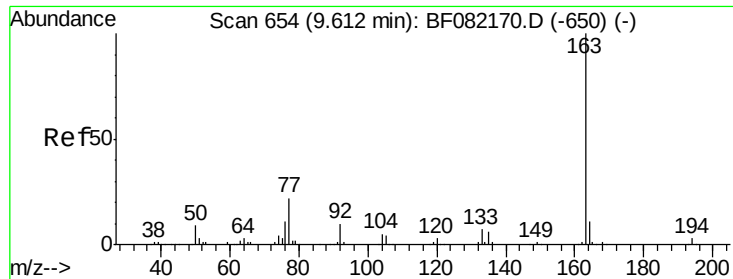
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#44
 2-Fluorobiphenyl
 Concen: 76.57 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082208.D
 Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	645053		
171	35.1	28.6	42.8	
170	23.8	19.7	29.5	





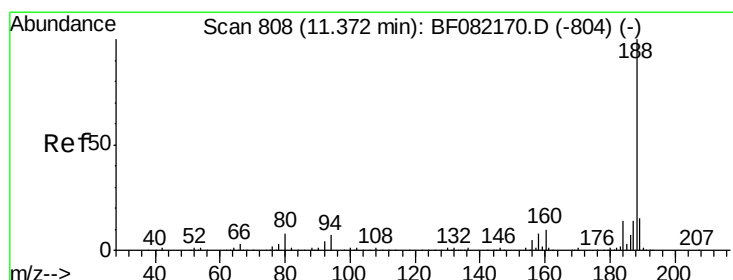
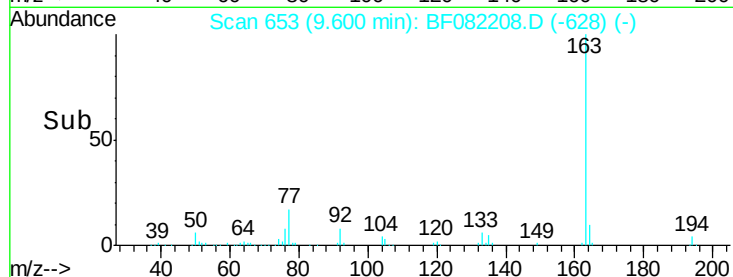
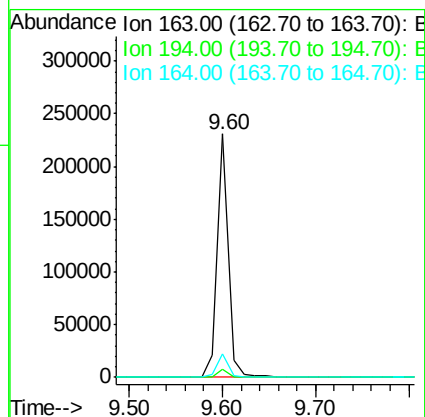
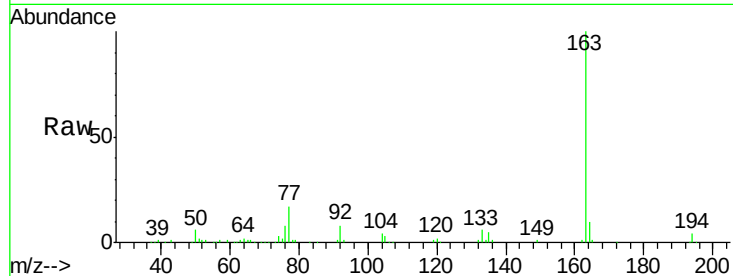
#49
Dimethylphthalate
Concen: 19.23 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Instrument :
BNA_F
ClientSampleId :
A11COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	2.6	4.0
164	9.7	8.5	12.7

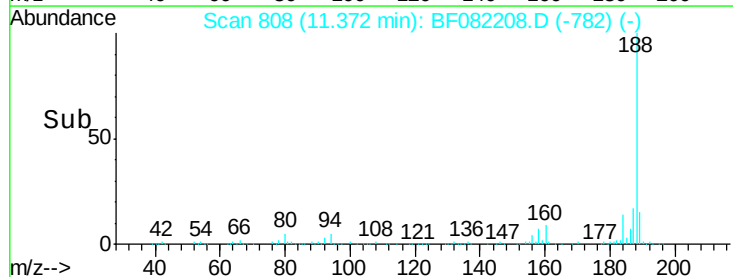
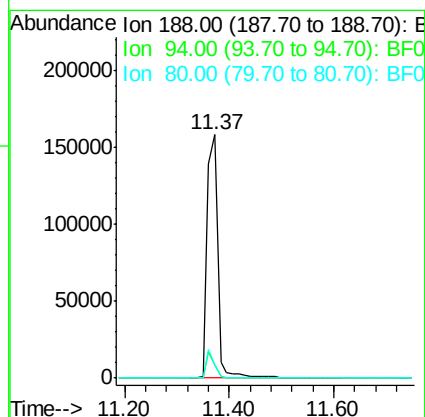
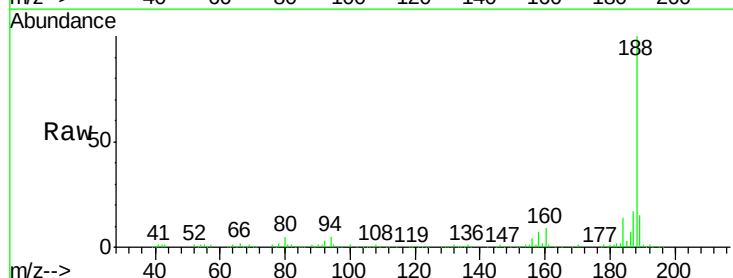
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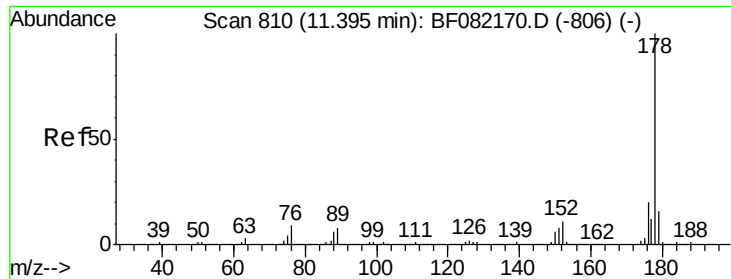
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.4	5.8	8.6#
80	5.3	6.4	9.6#





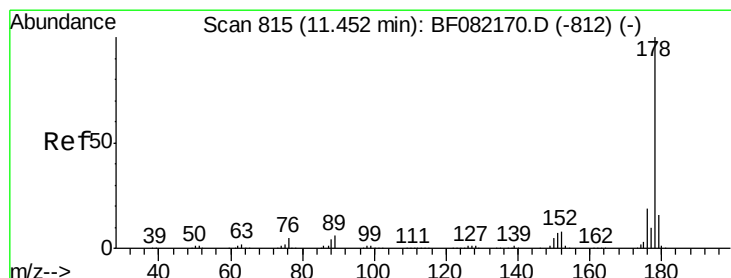
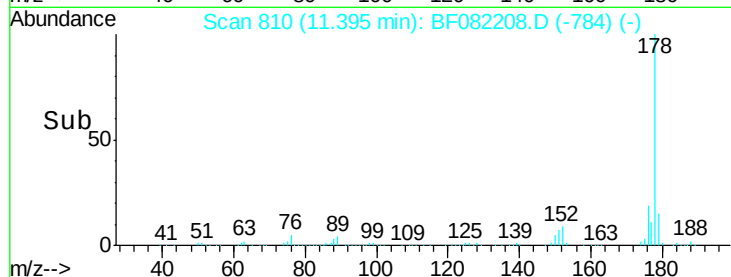
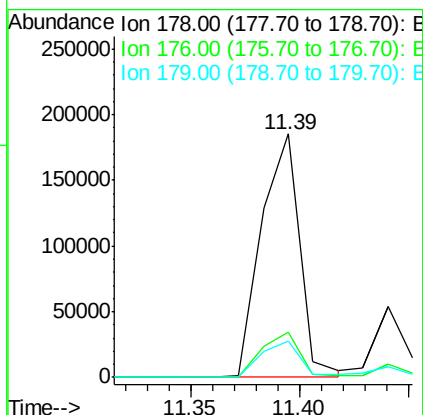
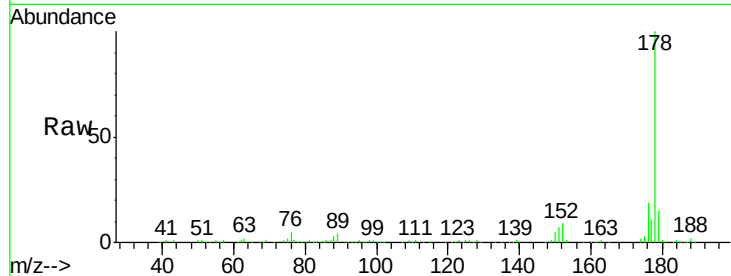
#70
Phenanthrene
Concen: 20.55 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Instrument :
BNA_F
ClientSampleId :
A11COMP

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	228118		
176	18.7	16.0	24.0	
179	14.8	12.6	19.0	

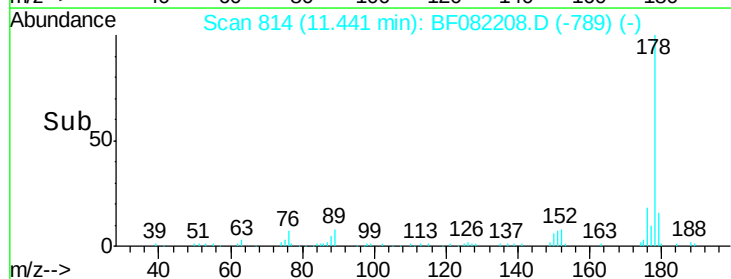
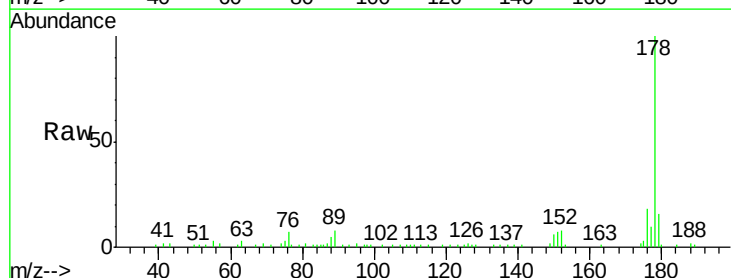
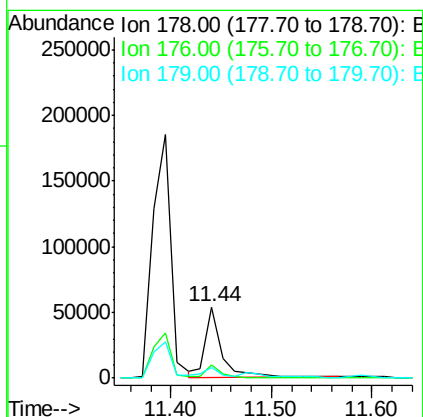
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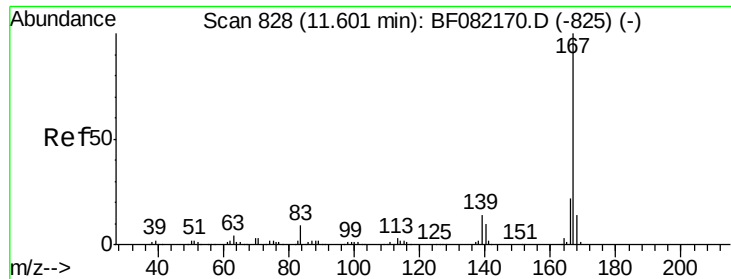
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#71
Anthracene
Concen: 5.34 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	61141		
176	18.1	15.4	23.0	
179	15.9	12.5	18.7	





#72

Carbazole

Concen: 2.22 ng

RT: 11.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

Instrument :

BNA_F

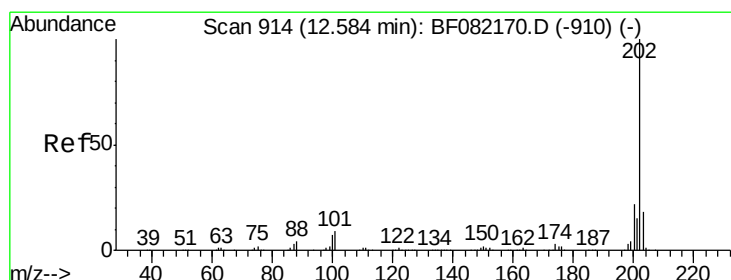
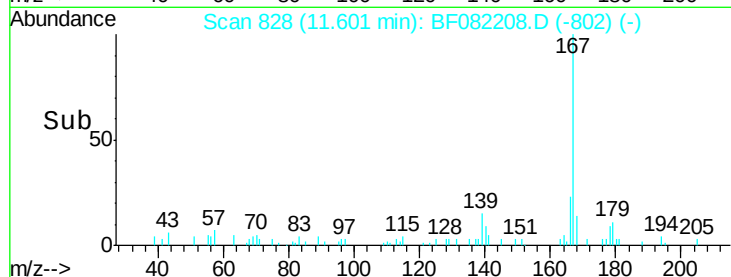
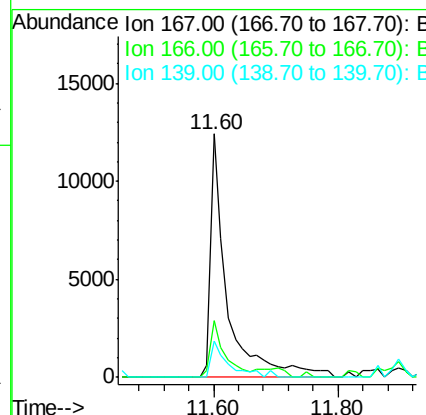
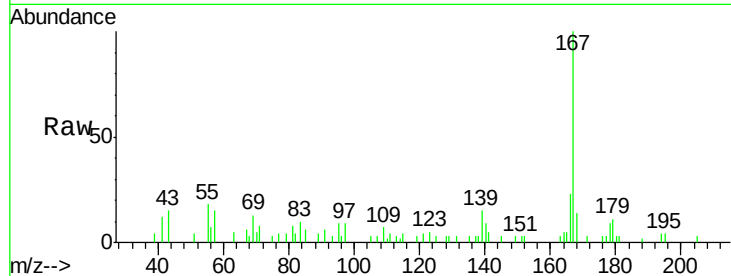
ClientSampleId :

A11COMP

Tgt Ion:	167	Resp:	23185
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.3	25.9
139	14.7	11.2	16.8

Manual Integrations
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#74

Fluoranthene

Concen: 43.78 ng

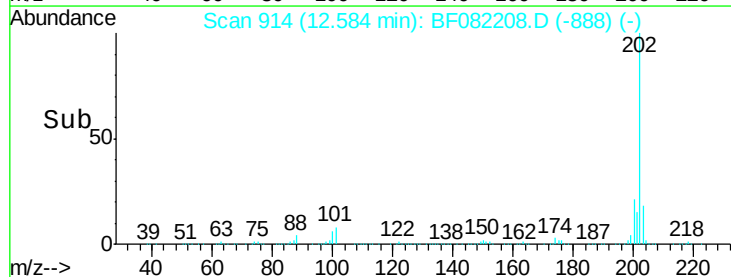
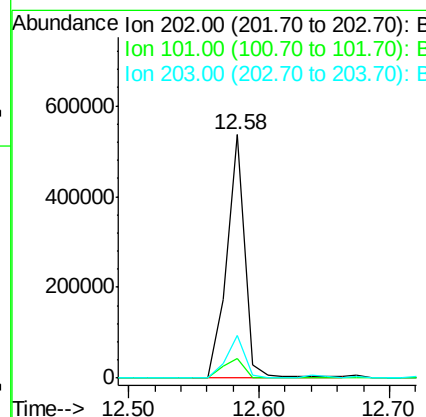
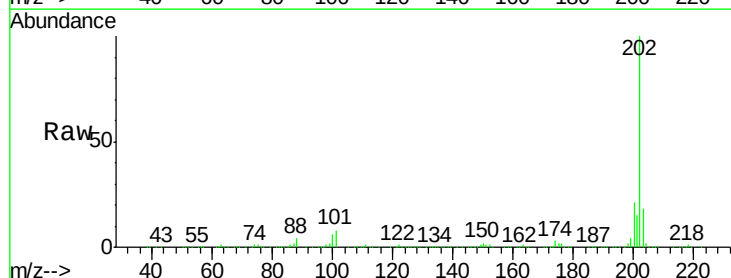
RT: 12.58 min Scan# 914

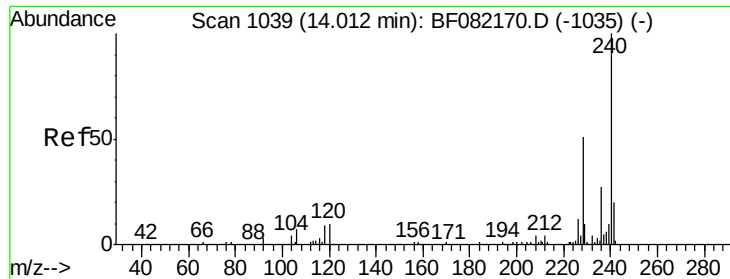
Delta R.T. 0.00 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

Tgt Ion:	202	Resp:	521983
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	29.3
203	17.7	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: BF082208.D

Acq: 11 Oct 2015 7:10

Instrument :

BNA_F

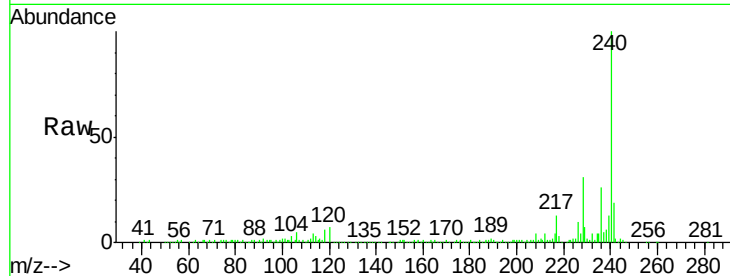
ClientSampleId :

A11COMP

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	196152		
120	7.0	8.1	12.1#	
236	25.5	21.3	31.9	

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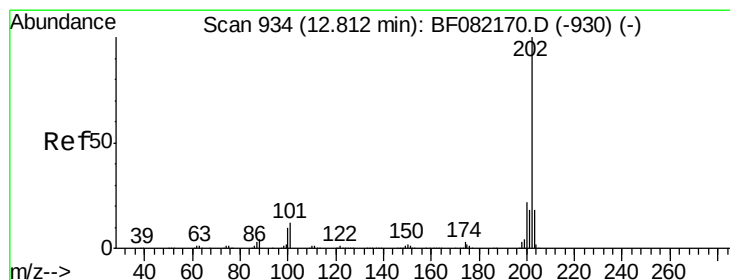
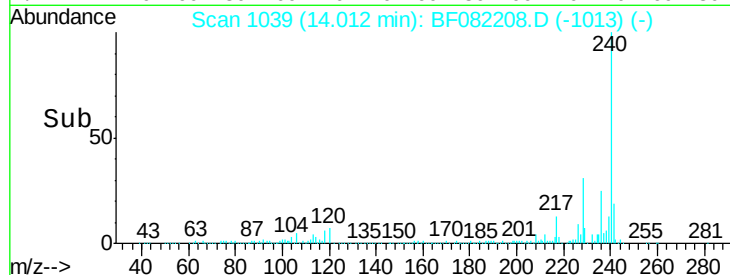
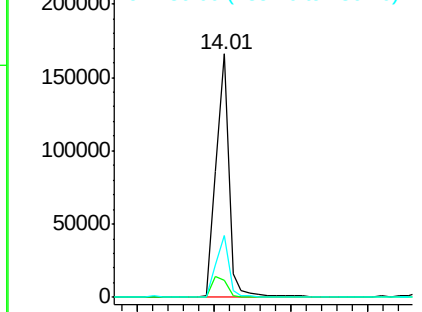
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 35.47 ng

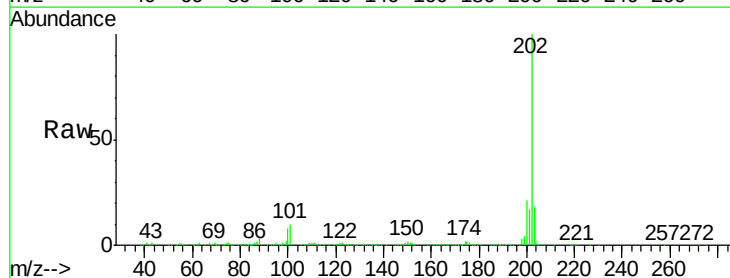
RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

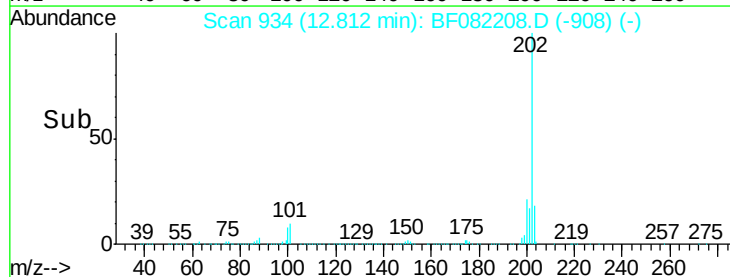
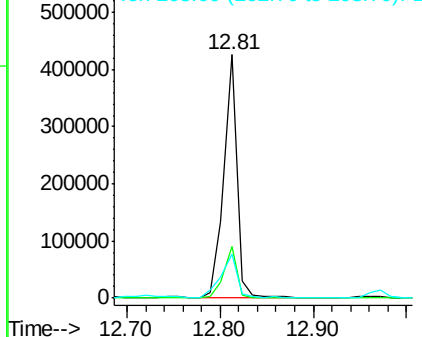
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	412846		
200	21.5	17.9	26.9	
203	17.9	14.5	21.7	

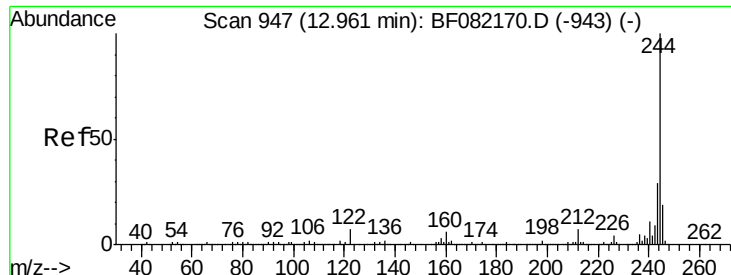


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





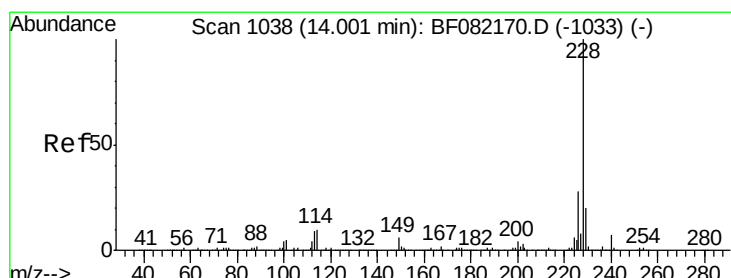
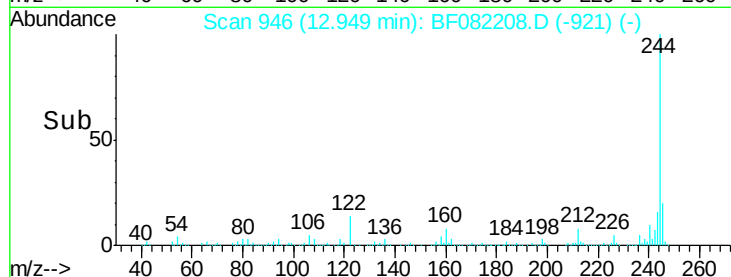
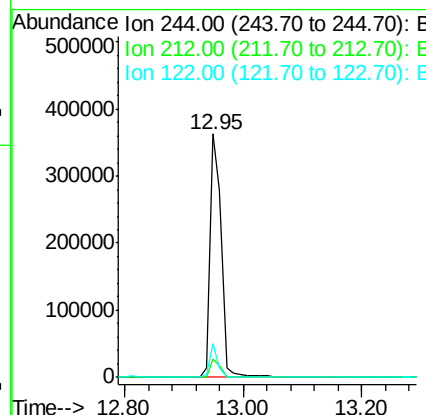
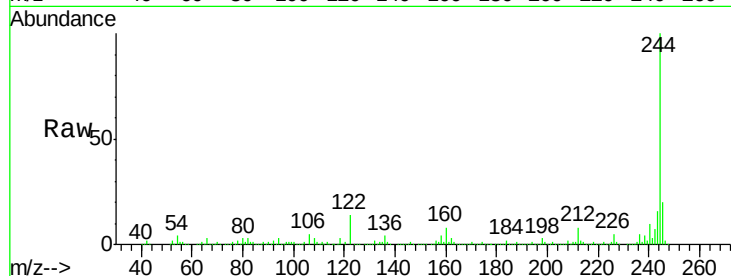
#78
 Terphenyl-d14
 Concen: 64.52 ng
 RT: 12.95 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: BF082208.D
 Acq: 11 Oct 2015 7:10

Instrument :
 BNA_F
 ClientSampleId :
 A11COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.6	5.8	8.6
122	13.8	5.9	8.9#

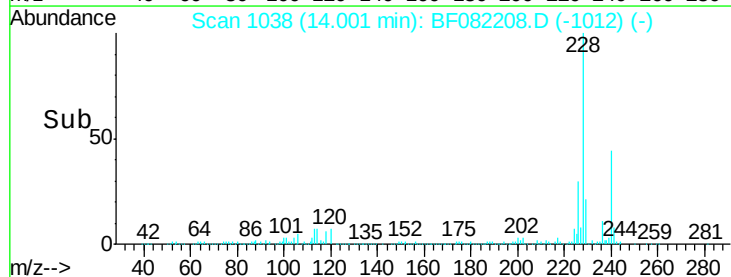
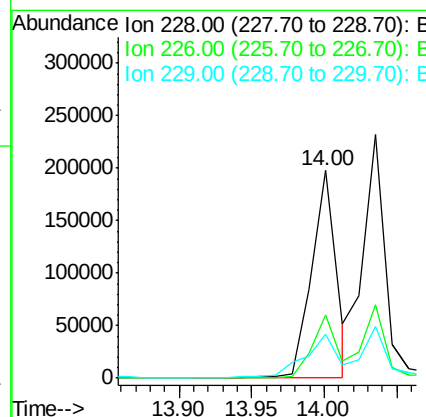
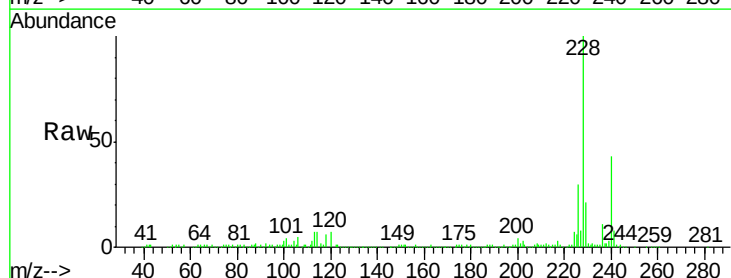
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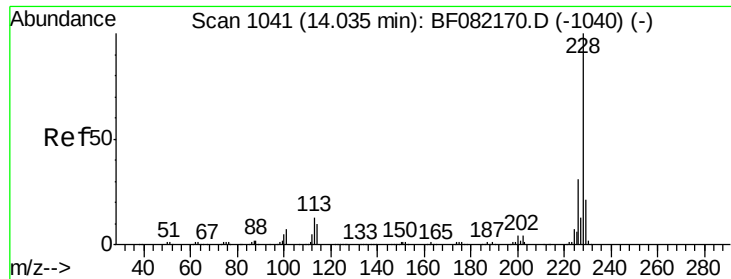
MMDadoda
 10/12/2015 2:38:48 PM



#80
 Benzo(a)anthracene
 Concen: 22.74 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF082208.D
 Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.4	22.3	33.5
229	21.4	16.2	24.2





#82

Chrysene

Concen: 23.19 ng m

RT: 14.04 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

Instrument :

BNA_F

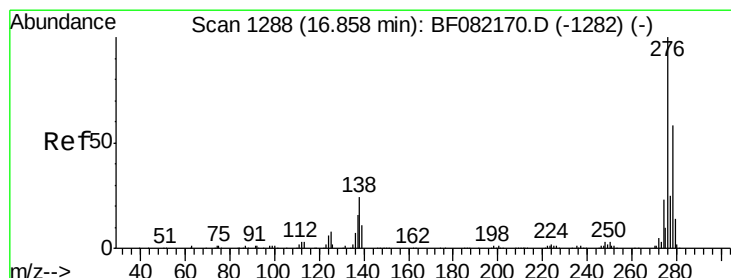
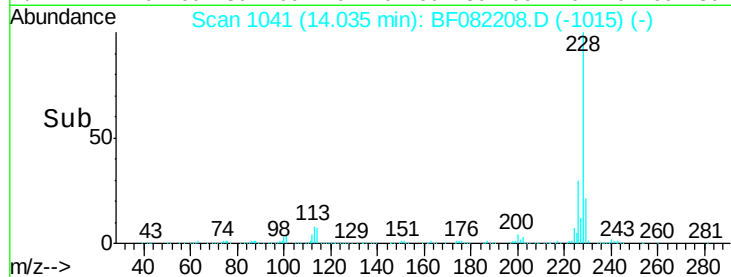
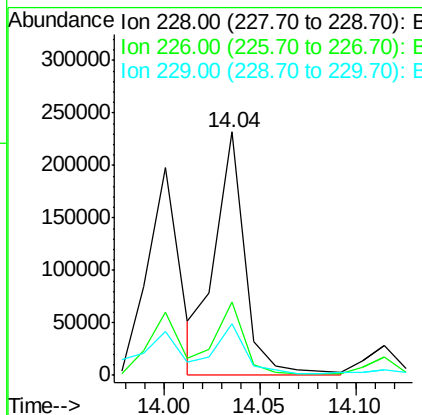
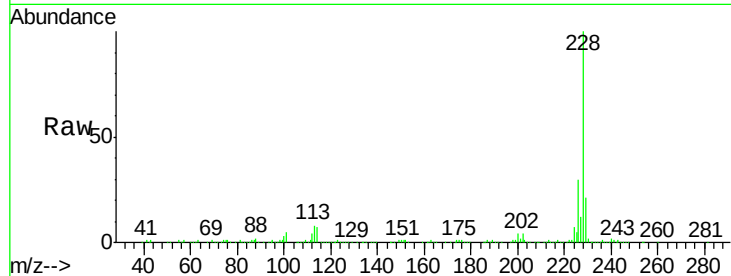
ClientSampleId :

A11COMP

Tgt Ion:	228	Resp:	249373
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	21.4	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.08 ng

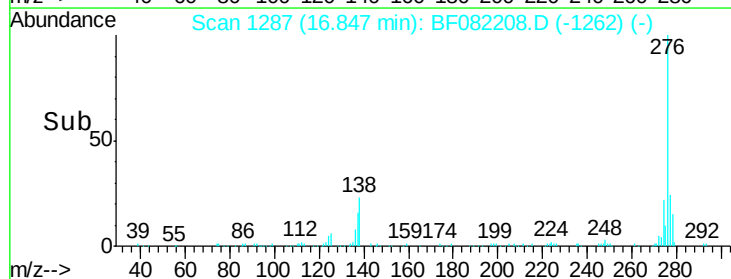
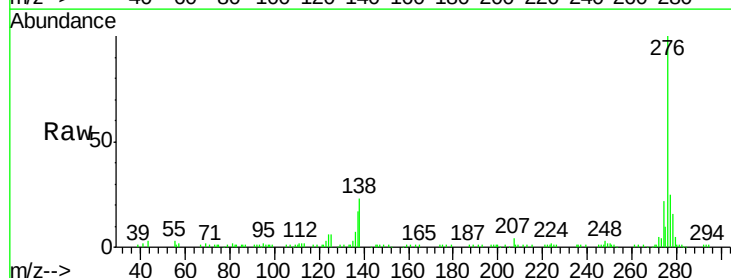
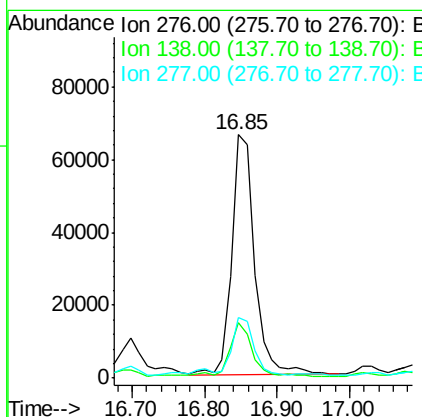
RT: 16.85 min Scan# 1287

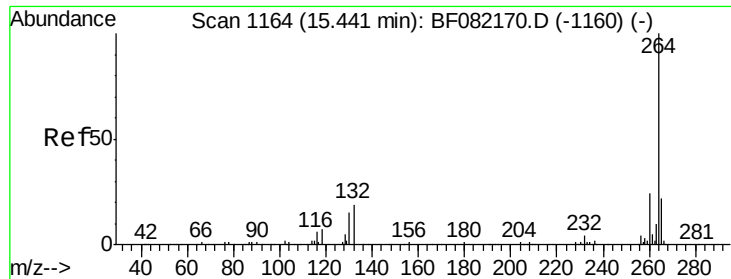
Delta R.T. -0.01 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

Tgt Ion:	276	Resp:	145947
Ion Ratio	Lower	Upper	
276	100		
138	23.2	19.7	29.5
277	25.3	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: BF082208.D

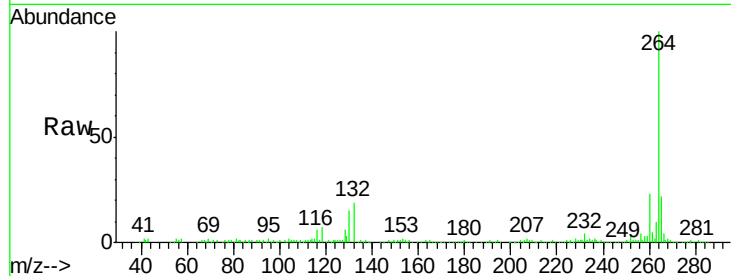
Acq: 11 Oct 2015 7:10

Instrument :

BNA_F

ClientSampleId :

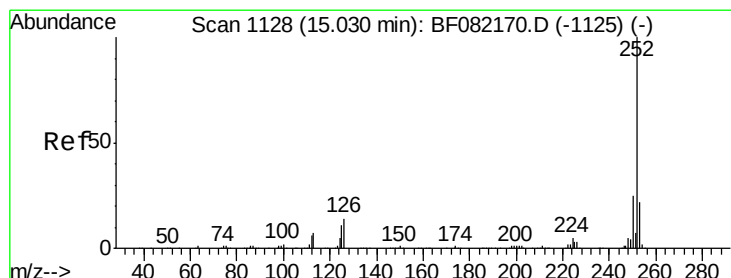
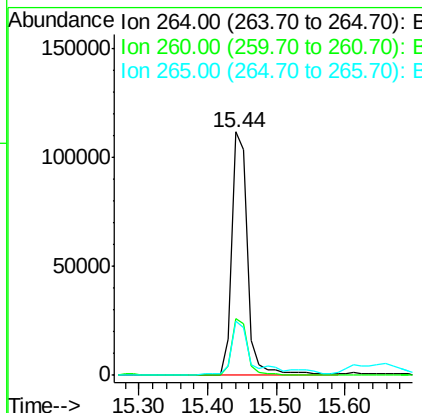
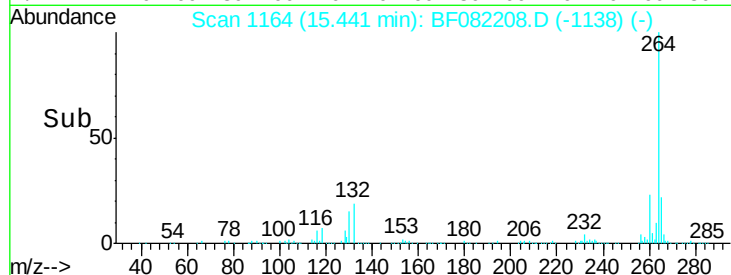
A11COMP



Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.4	19.0	28.6	
265	22.3	17.3	25.9	

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#87

Benzo(b)fluoranthene

Concen: 33.62 ng m

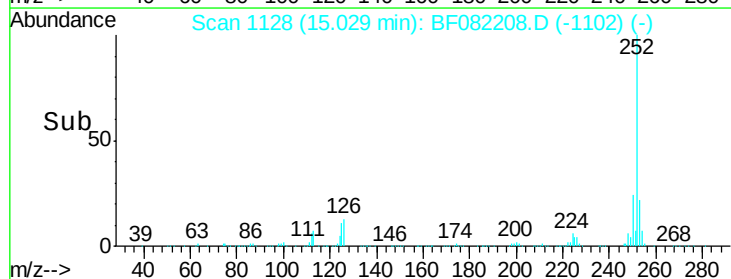
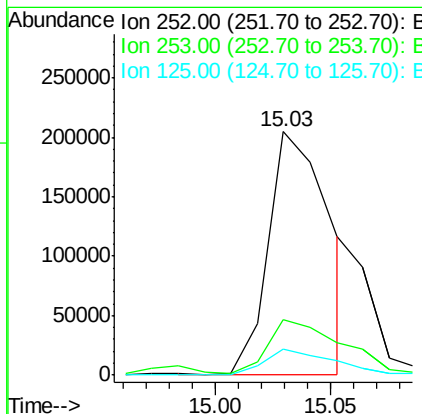
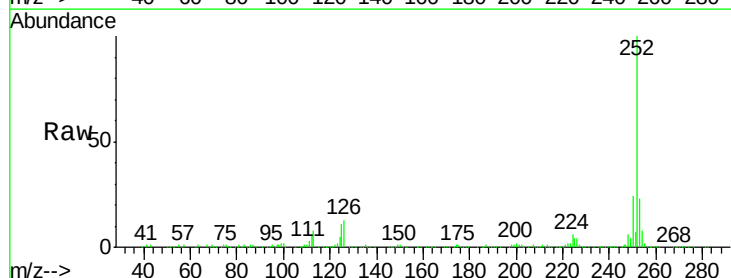
RT: 15.03 min Scan# 1128

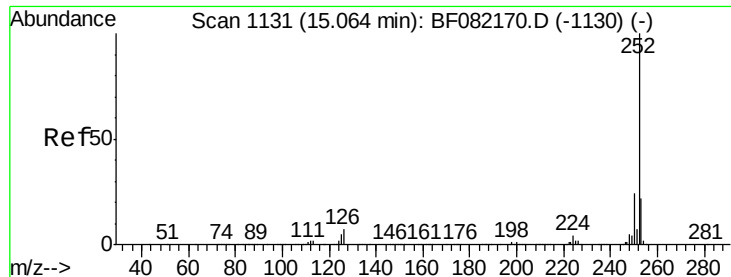
Delta R.T. 0.00 min

Lab File: BF082208.D

Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.8	18.0	27.0	
125	10.7	8.6	12.8	





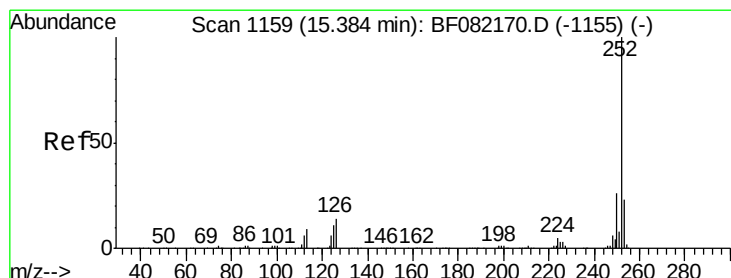
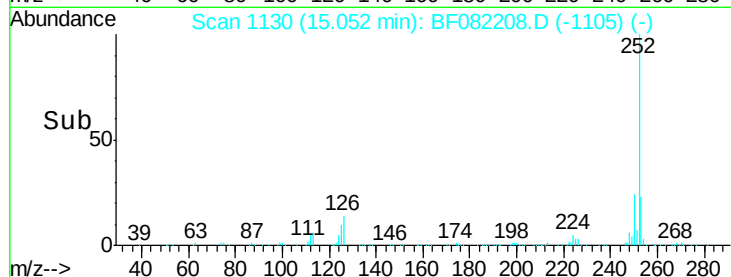
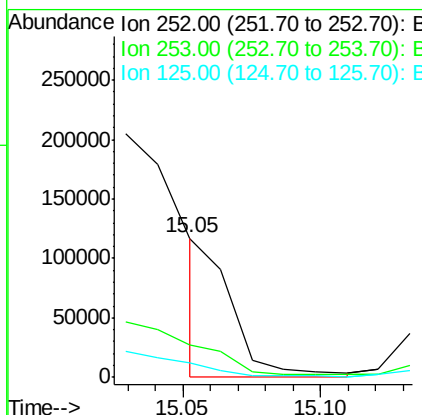
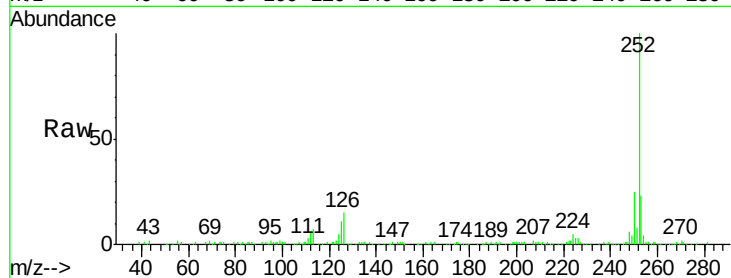
#88
Benzo(k)fluoranthene
Concen: 8.88 ng m
RT: 15.05 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Instrument :
BNA_F
ClientSampleId :
A11COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.8	6.7	10.1

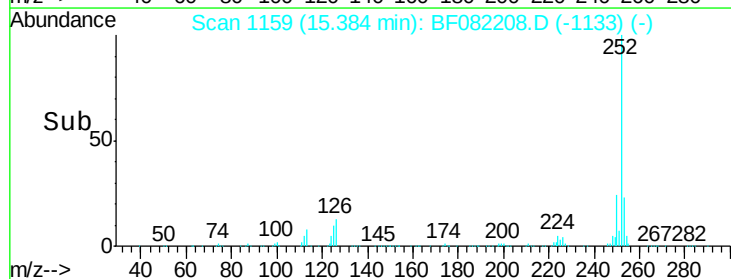
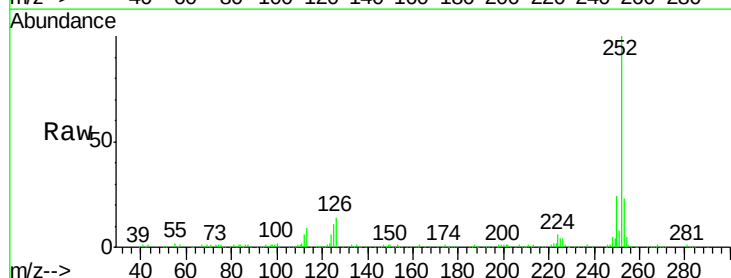
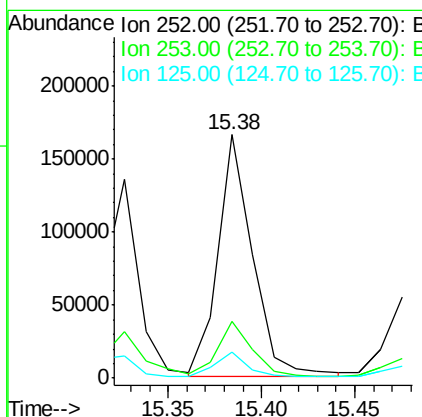
Manual Integrations
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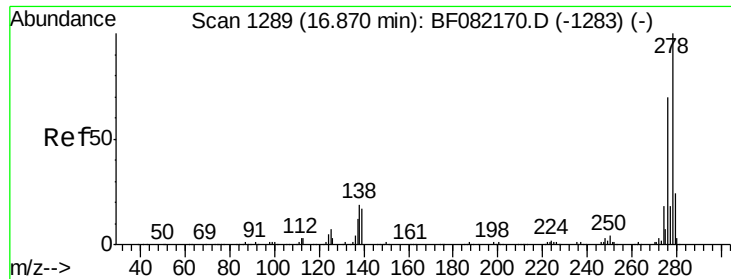
MMDadoda
10/12/2015 2:38:48 PM



#89
Benzo(a)pyrene
Concen: 22.53 ng
RT: 15.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	10.6	8.9	13.3





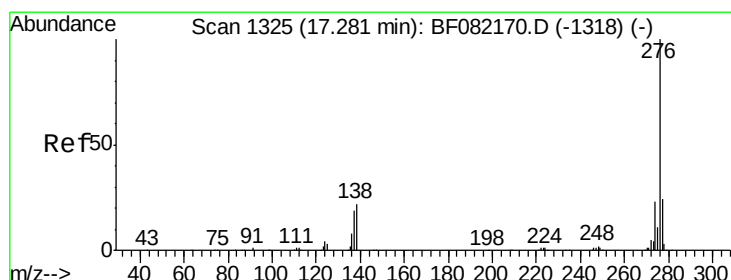
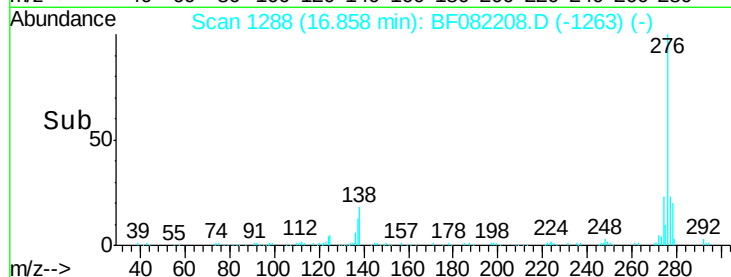
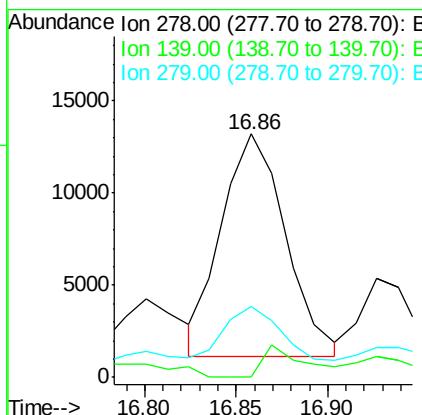
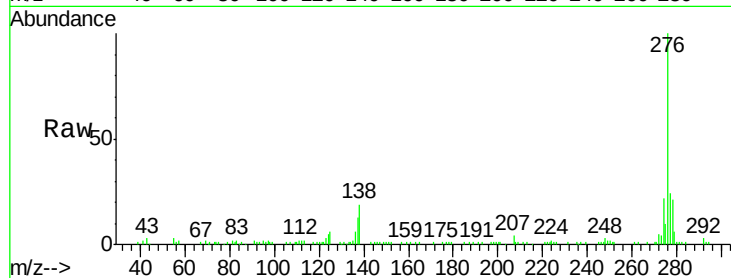
#90
Dibenzo(a,h)anthracene
Concen: 3.77 ng m
RT: 16.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Instrument :
BNA_F
ClientSampleId :
A11COMP

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.3	19.9#
279	29.3	18.9	28.3#

Manual Integrations
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10/12/2015 2:38:48 PM



#91
Benzo(g,h,i)perylene
Concen: 17.78 ng
RT: 17.28 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF082208.D
Acq: 11 Oct 2015 7:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	20.2	17.4	26.2

