

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088135.D
 Acq On : 21 Oct 2014 10:47
 Operator : TP/JJ
 Sample : PB79718BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79718BS

Manual Integrations
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 10/22/2014 1:52:32 PM

Quant Time: Oct 21 15:09:21 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	37593	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	139110	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	61384	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	112687	5.00	ng	0.00
16) Chrysene-d12	18.39	240	79814	5.00	ng	0.00
22) Perylene-d12	21.44	264	77287	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	64498	6.43	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	108624	6.41	ng	0.00
18) Terphenyl-d14	16.15	244	86798	6.76	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	37273	6.89	ng	99
5) Naphthalene	8.72	128	183605	6.40	ng	100
6) 2-Methylnaphthalene	9.57	142	115486	6.73	ng	97
9) Acenaphthylene	10.67	152	622065	6.65	ng	100
10) Acenaphthene	10.88	154	89888	6.23	ng	99
11) Fluorene	11.55	166	101605	6.64	ng	99
13) Phenanthrene	13.01	178	578800	7.06	ng	94
14) Anthracene	13.09	178	586949	6.67	ng	99
15) Fluoranthene	15.25	202	138541	6.46	ng	99
17) Pyrene	15.70	202	148073	6.82	ng	99
19) Benzo(a)anthracene	18.36	228	488140	6.88	ng	100
20) Chrysene	18.44	228	484929	6.96	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	548386m	7.09	ng	
23) Benzo(b)fluoranthene	20.69	252	121629	6.61	ng	99
24) Benzo(k)fluoranthene	20.75	252	136675	6.94	ng	99
25) Benzo(a)pyrene	21.33	252	120452	7.11	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	110775	6.66	ng	97
27) Benzo(g,h,i)perylene	24.28	276	479154	6.52	ng	97

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

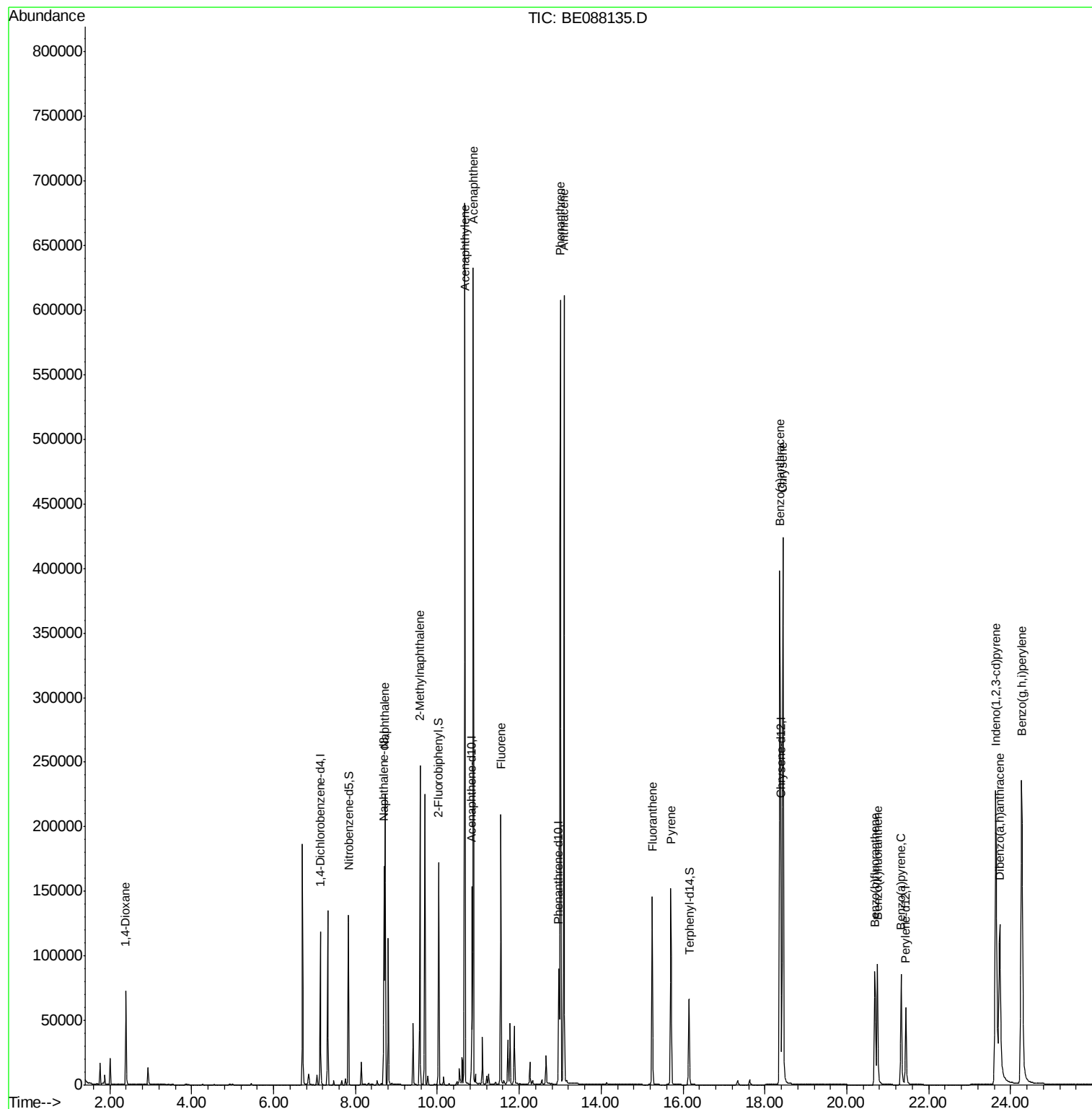
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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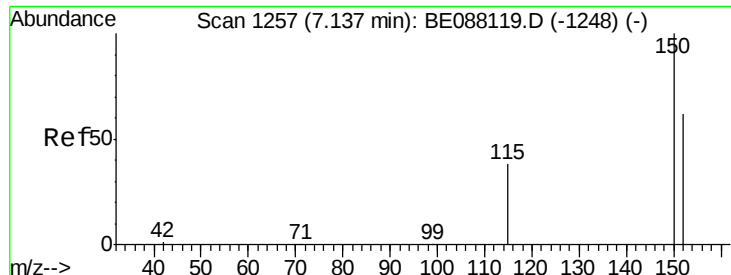
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088135.D

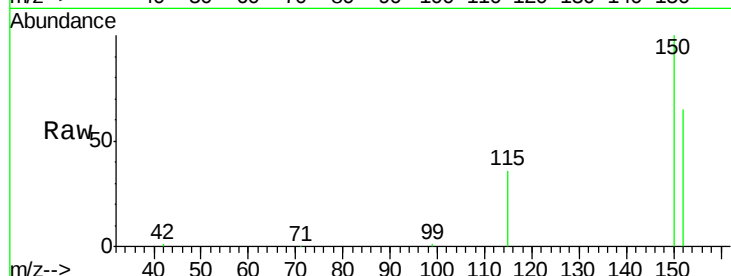
Acq: 21 Oct 2014 10:47

Instrument :

BNA_E

ClientSampleId :

PB79718BS



Tgt Ion: 152 Resp: 37593

Ion Ratio Lower Upper

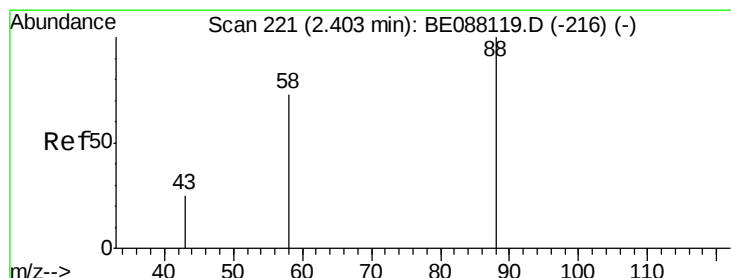
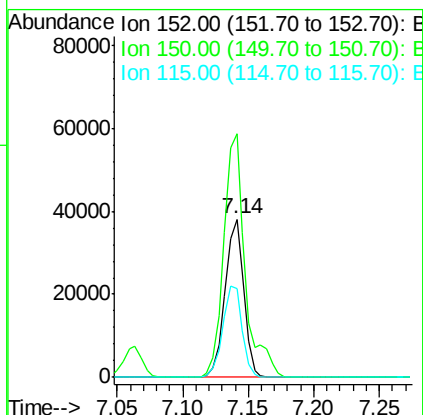
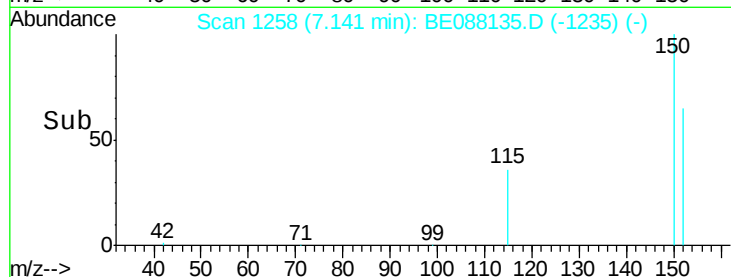
152 100

150 153.9 129.2 193.8

115 56.2 49.3 73.9

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#2

1,4-Dioxane

Concen: 6.89 ng

RT: 2.39 min Scan# 219

Delta R.T. -0.01 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

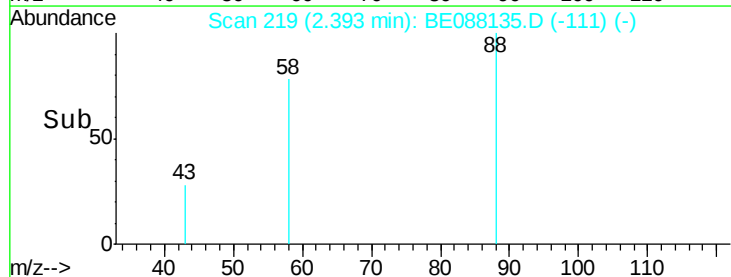
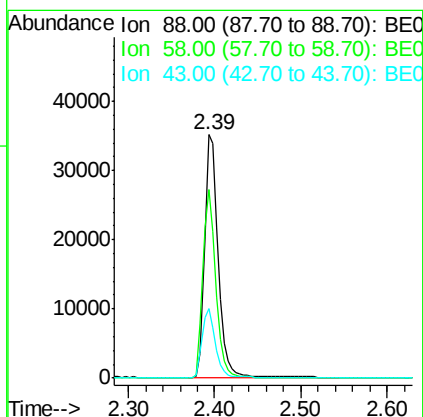
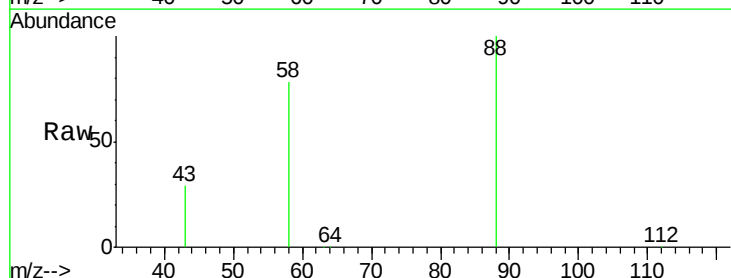
Tgt Ion: 88 Resp: 37273

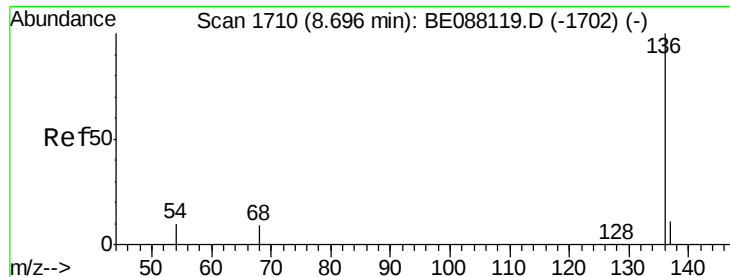
Ion Ratio Lower Upper

88 100

58 74.6 59.5 89.3

43 27.4 21.2 31.8





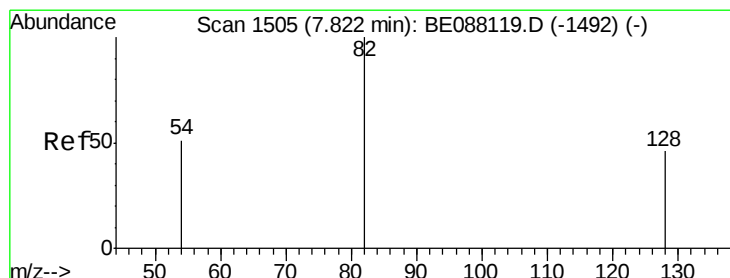
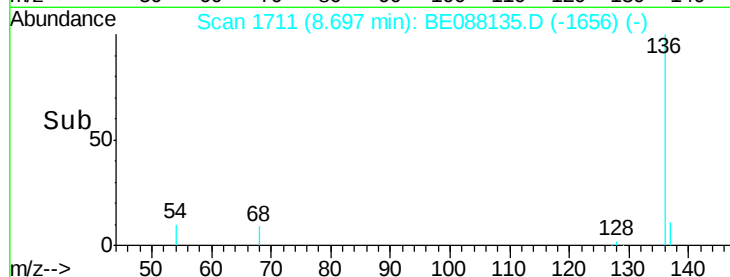
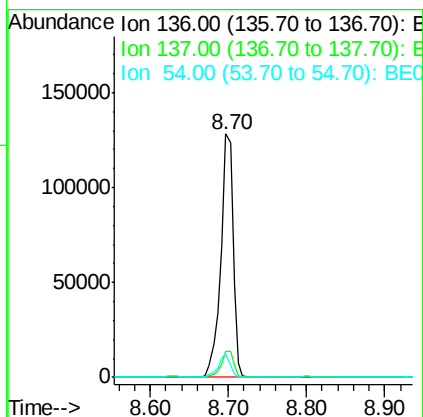
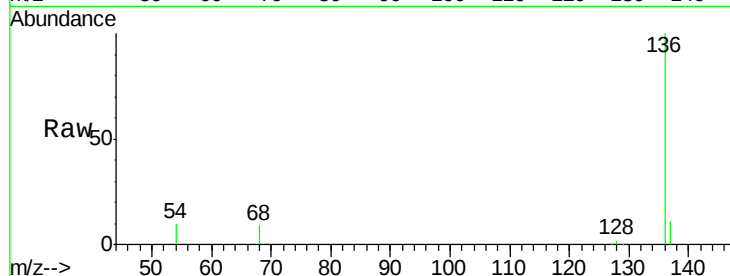
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	139110		
137	10.7	8.6	12.8	
54	9.8	7.7	11.5	

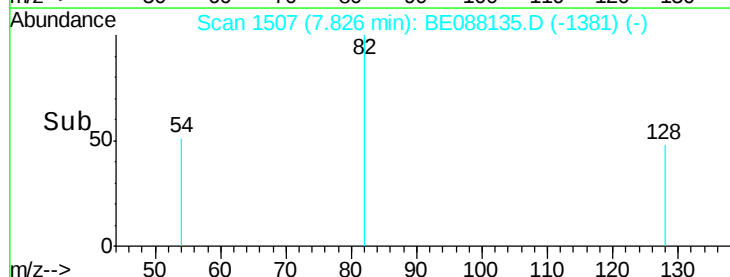
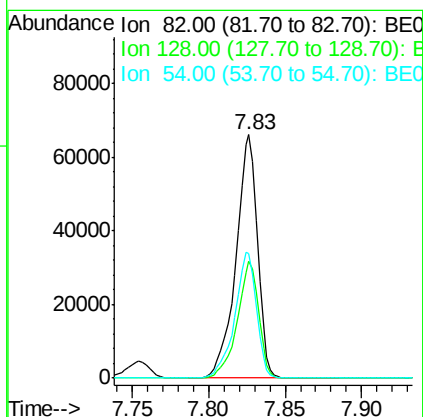
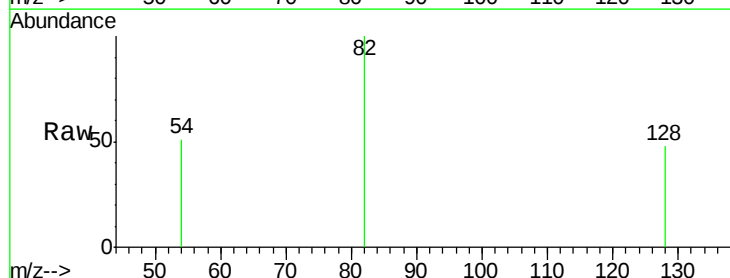
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#4
Nitrobenzene-d5
Concen: 6.43 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	64498		
128	48.0	37.1	55.7	
54	51.2	41.1	61.7	





#5

Naphthalene

Concen: 6.40 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088135.D

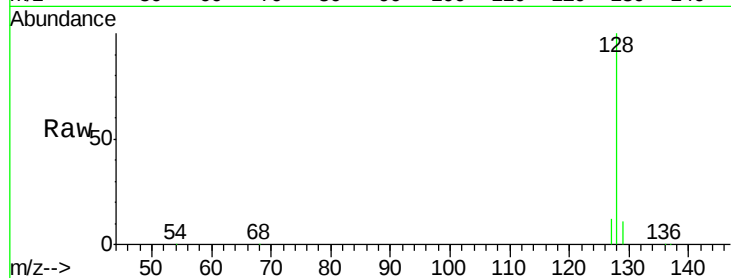
Acq: 21 Oct 2014 10:47

Instrument :

BNA_E

ClientSampleId :

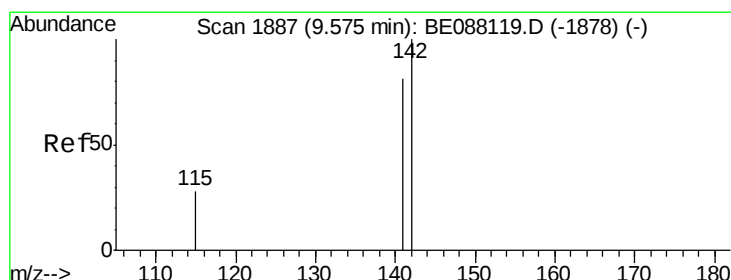
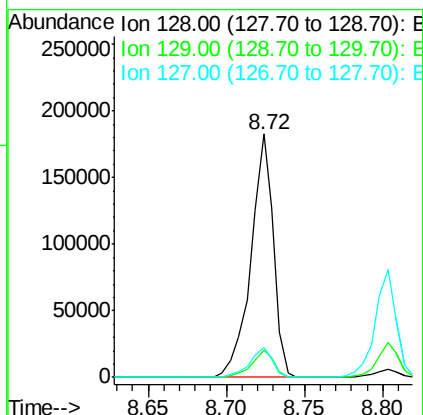
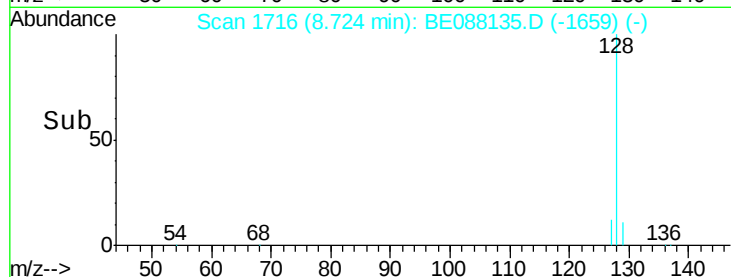
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Tgt Ion:	128	Resp:	183605
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.9	13.3
127	12.2	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 6.73 ng

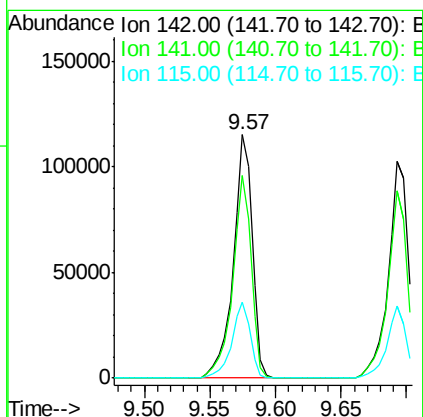
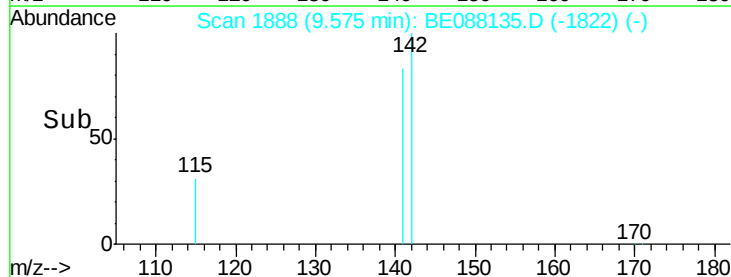
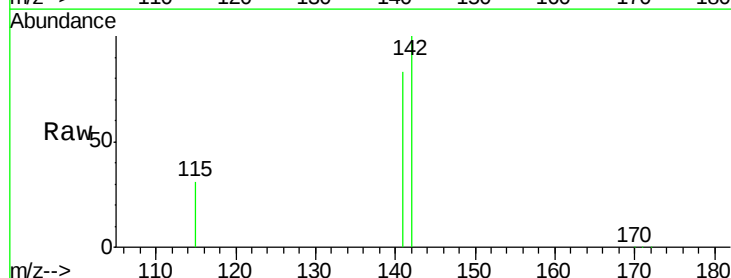
RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

Tgt Ion:	142	Resp:	115486
Ion Ratio	Lower	Upper	
142	100		
141	83.1	64.6	97.0
115	31.4	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088135.D

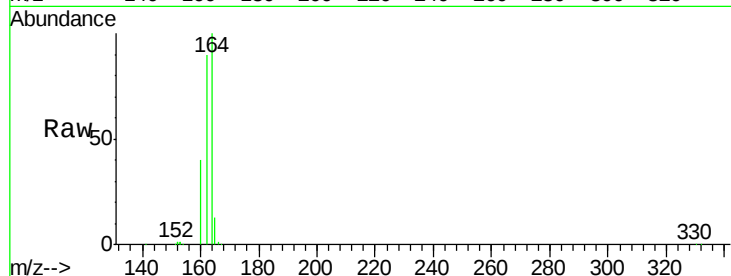
Acq: 21 Oct 2014 10:47

Instrument :

BNA_E

ClientSampleId :

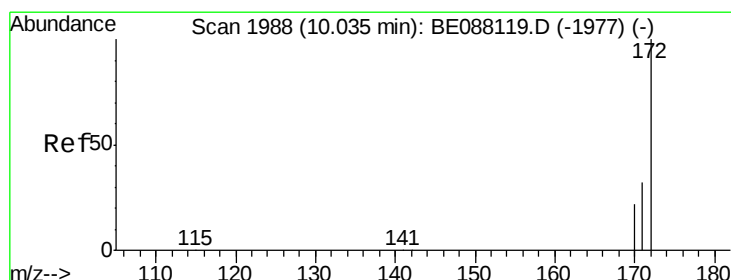
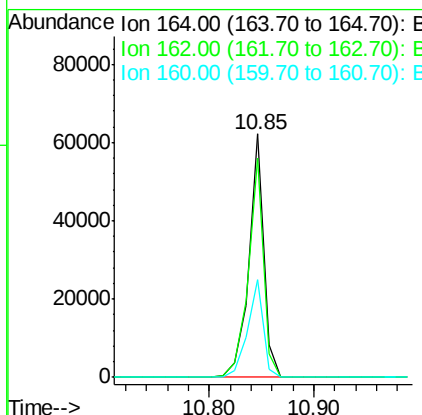
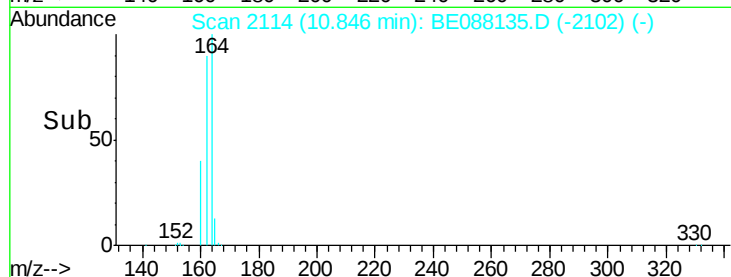
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Tgt Ion:	164	Resp:	61384
Ion Ratio	Lower	Upper	
164	100		
162	90.3	68.3	102.5
160	40.1	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 6.41 ng

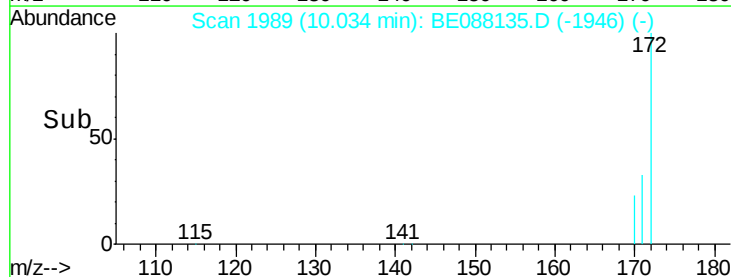
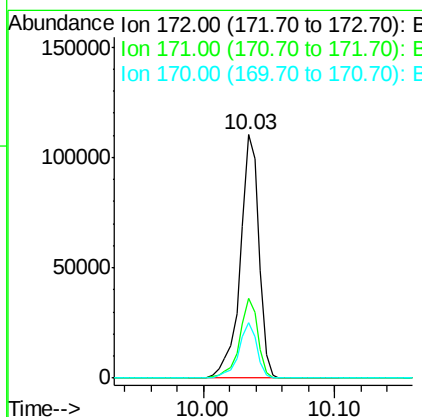
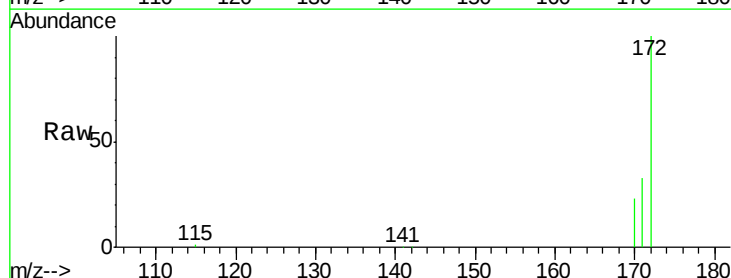
RT: 10.03 min Scan# 1989

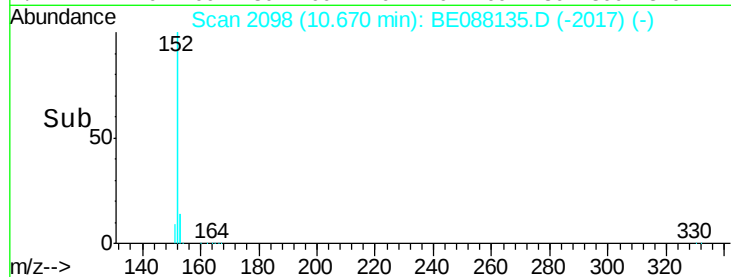
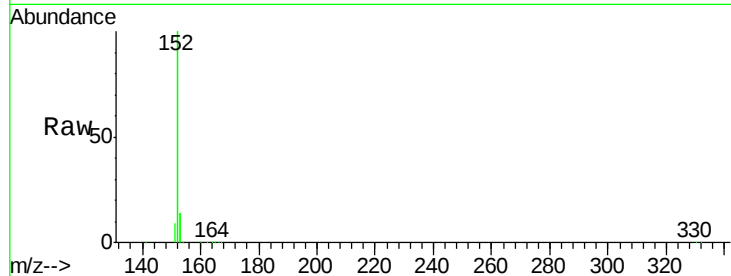
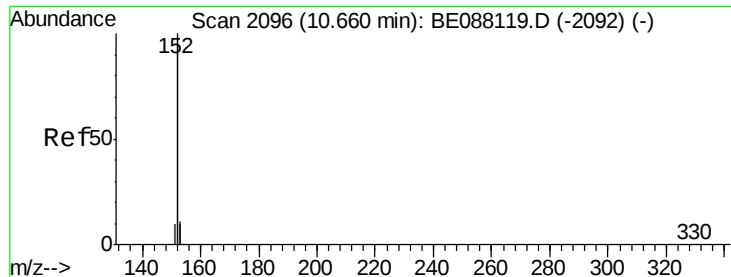
Delta R.T. -0.00 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

Tgt Ion:	172	Resp:	108624
Ion Ratio	Lower	Upper	
172	100		
171	33.0	25.4	38.2
170	23.0	17.4	26.2





#9

Acenaphthylene

Concen: 6.65 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

Tgt Ion:	152	Resp:	622065
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.7	5.5
153	13.0	10.4	15.6

Instrument :

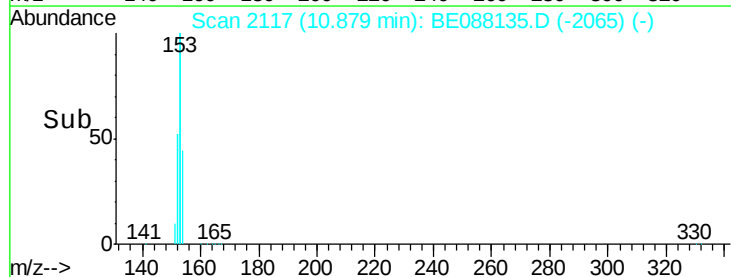
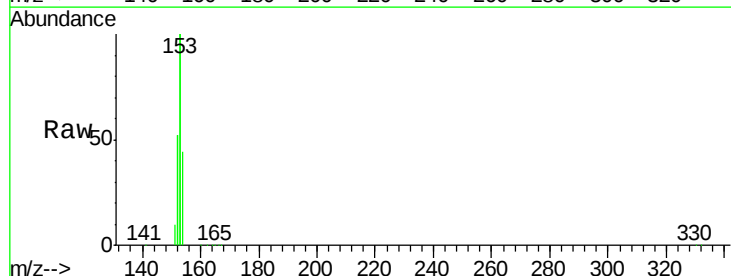
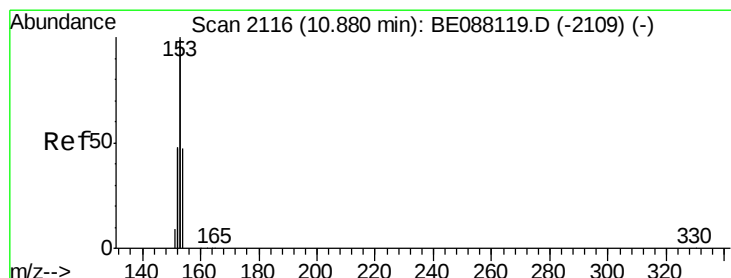
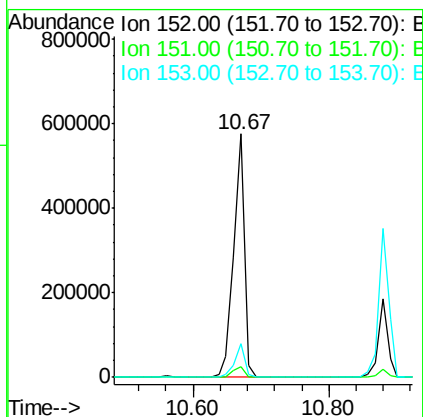
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#10

Acenaphthene

Concen: 6.23 ng

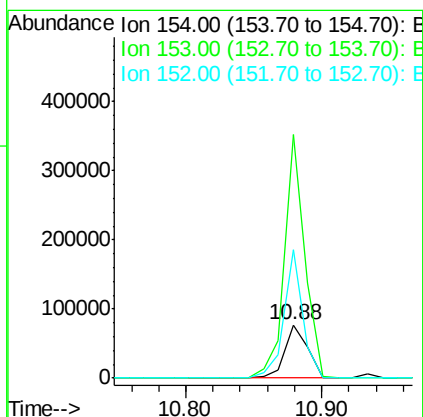
RT: 10.88 min Scan# 2117

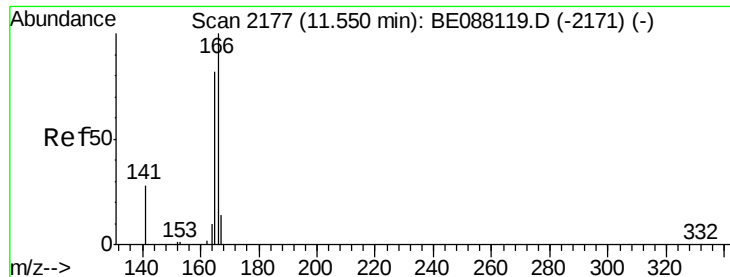
Delta R.T. -0.00 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

Tgt Ion:	154	Resp:	89888
Ion Ratio	Lower	Upper	
154	100		
153	410.9	327.8	491.6
152	199.1	157.6	236.4





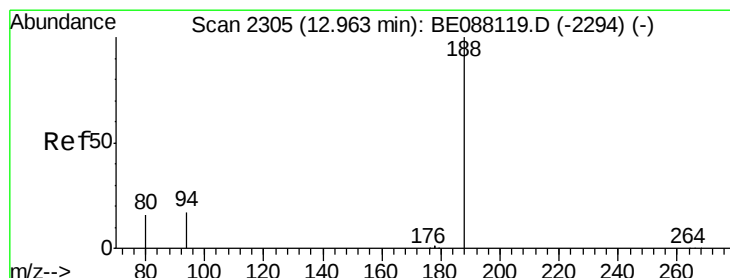
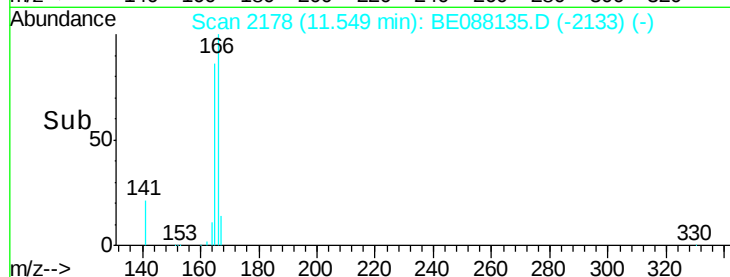
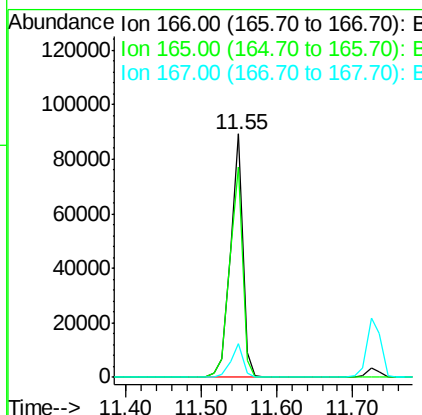
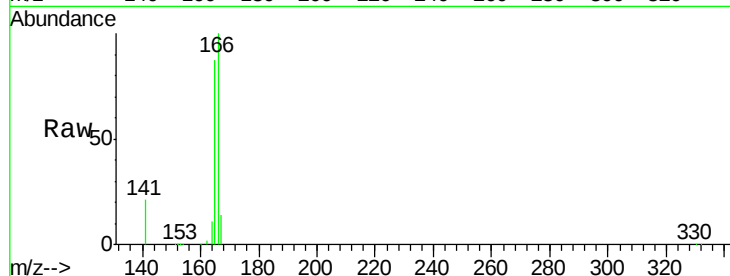
#11
Fluorene
 Concen: 6.64 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BE088135.D
 Acq: 21 Oct 2014 10:47

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	101605		
165	90.4	71.4	107.2	
167	13.4	10.6	16.0	

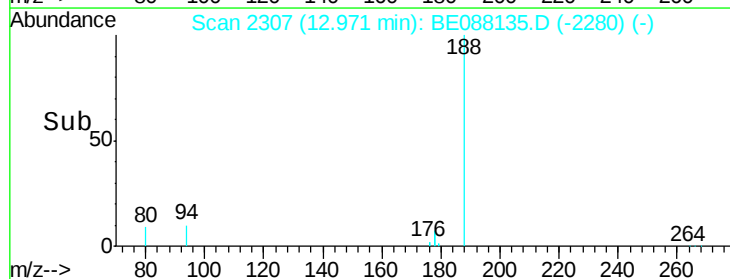
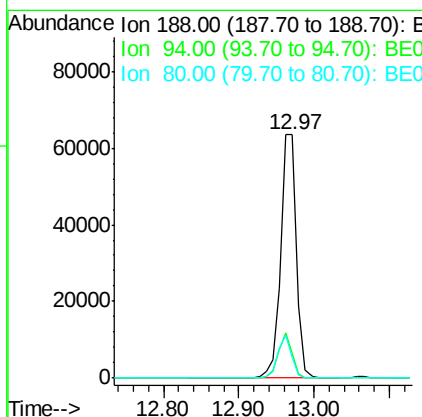
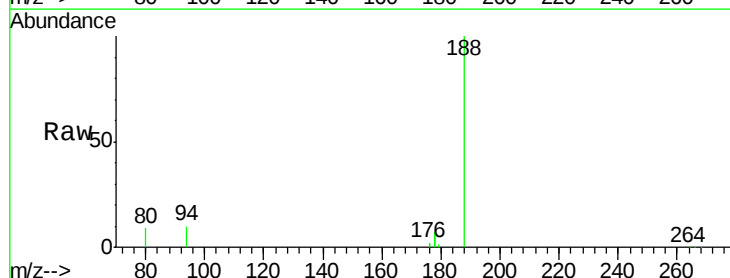
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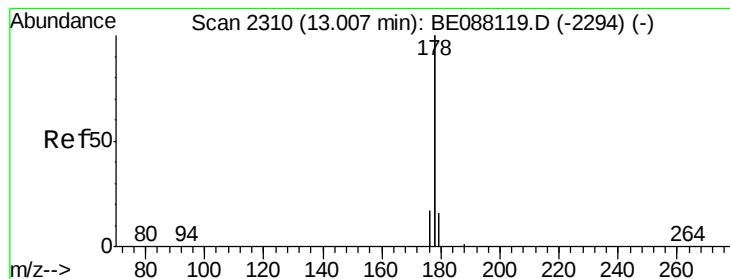
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.97 min Scan# 2307
 Delta R.T. 0.01 min
 Lab File: BE088135.D
 Acq: 21 Oct 2014 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	112687		
94	10.1	13.9	20.9#	
80	8.6	12.9	19.3#	





#13

Phenanthrene

Concen: 7.06 ng

RT: 13.01 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BE088135.D

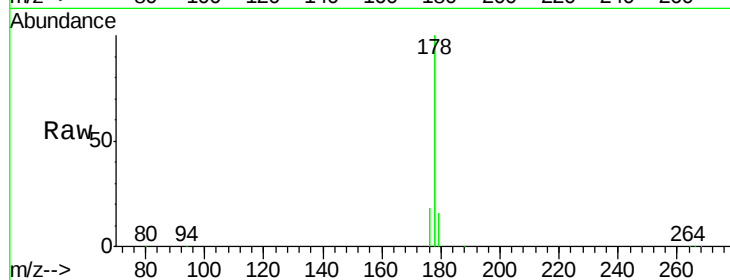
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Instrument :

BNA_E

ClientSampleId :

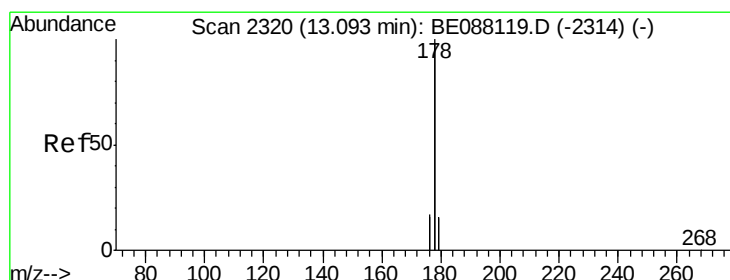
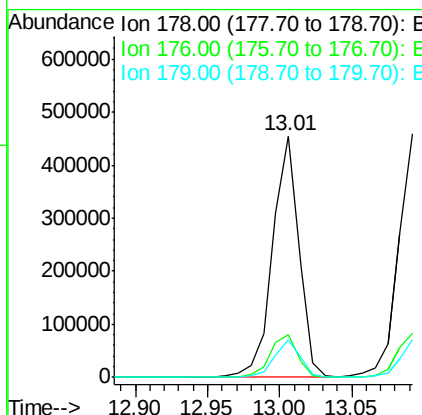
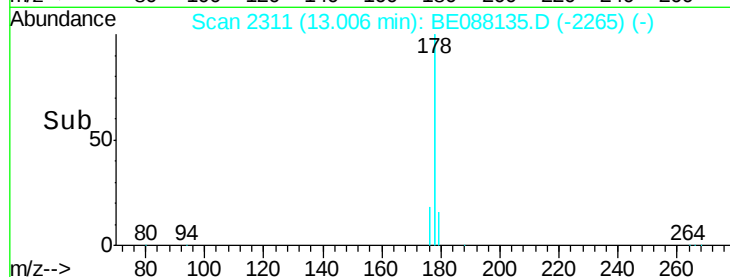
PB79718BS



Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.5	18.7
179	18.7	13.5	20.3

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#14

Anthracene

Concen: 6.67 ng

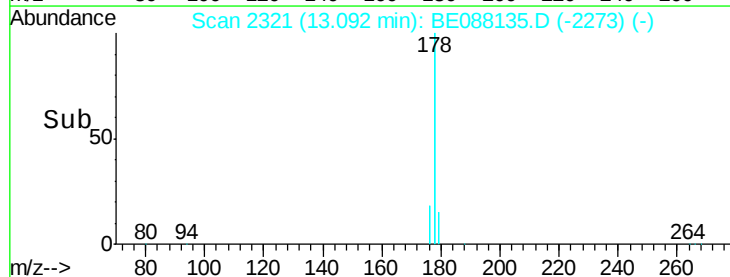
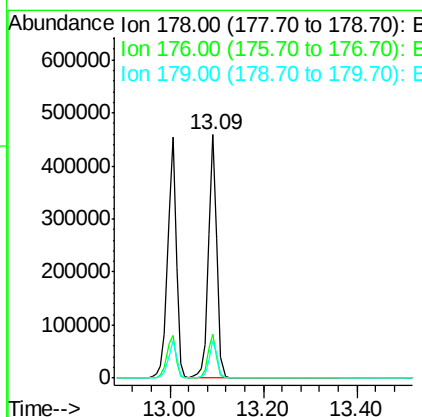
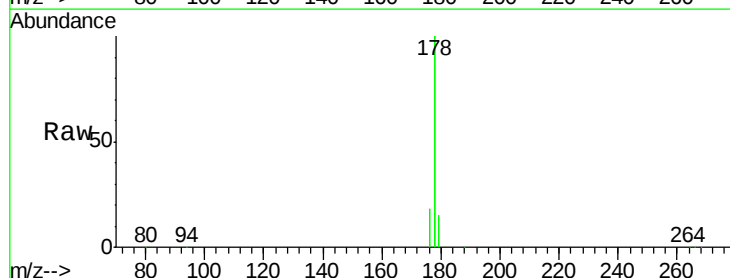
RT: 13.09 min Scan# 2321

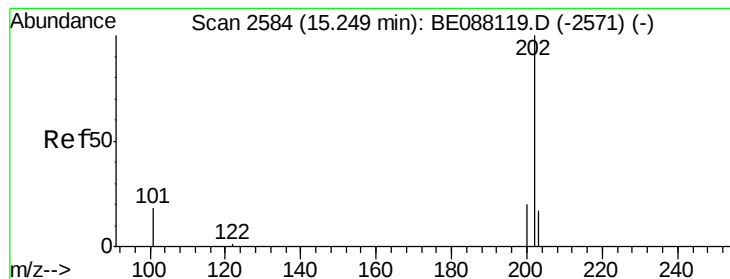
Delta R.T. -0.00 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.5	18.7





#15

Fluoranthene

Concen: 6.46 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088135.D

Acq: 21 Oct 2014 10:47

Instrument :

BNA_E

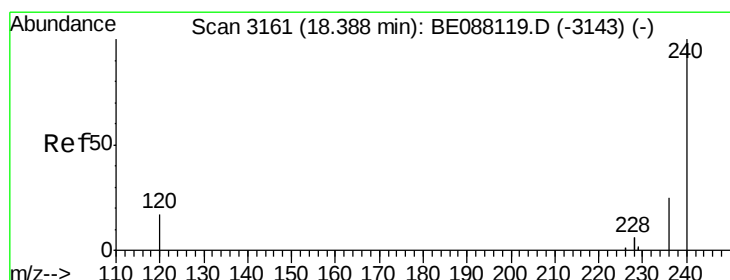
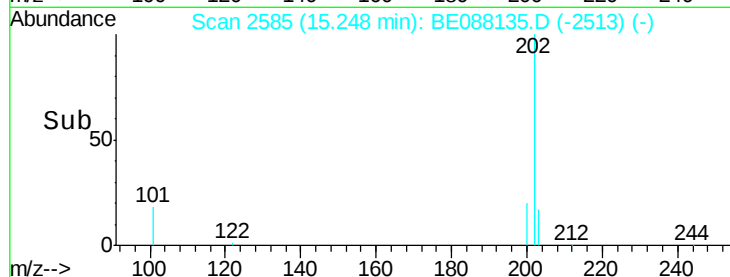
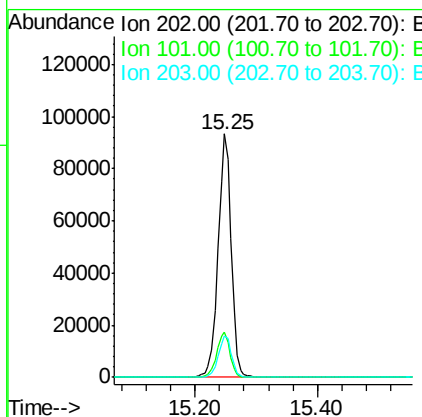
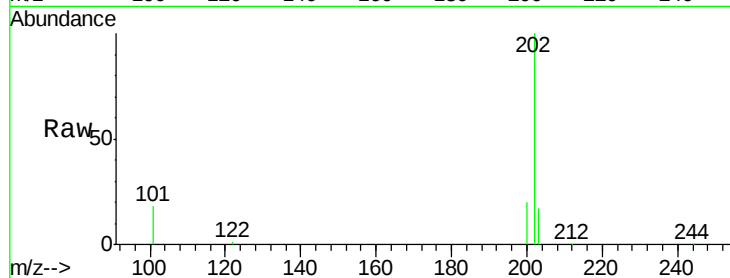
ClientSampleId :

PB79718BS

Tgt	Ion	202	Resp:	138541
Ion	Ratio	Lower	Upper	
202	100			
101	18.4	14.8	22.2	
203	17.3	13.5	20.3	

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#16

Chrysene-d12

Concen: 5.00 ng

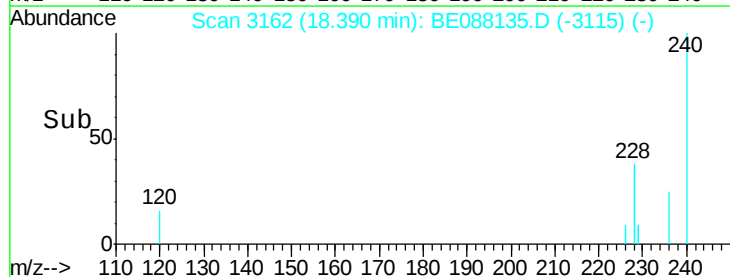
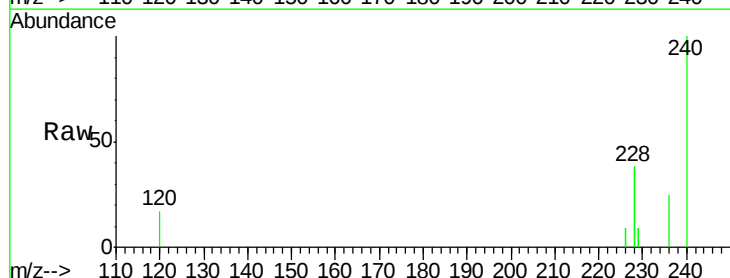
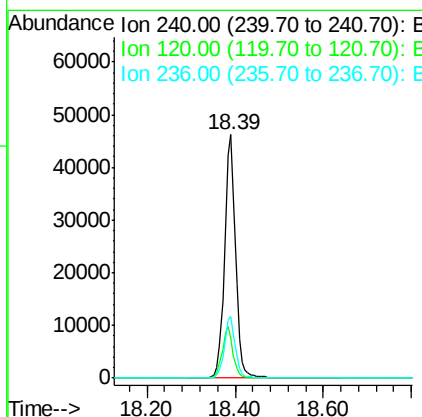
RT: 18.39 min Scan# 3162

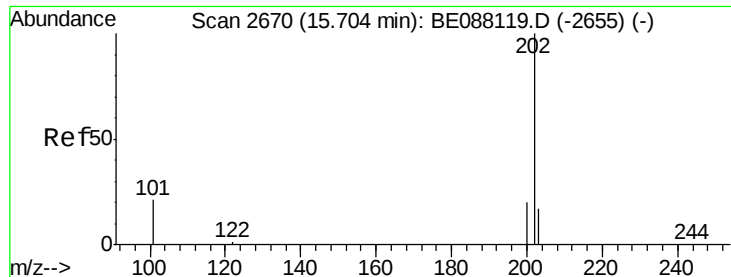
Delta R.T. 0.00 min

Lab File: BE088135.D

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Tgt	Ion	240	Resp:	79814
Ion	Ratio	Lower	Upper	
240	100			
120	16.5	13.9	20.9	
236	25.4	19.9	29.9	





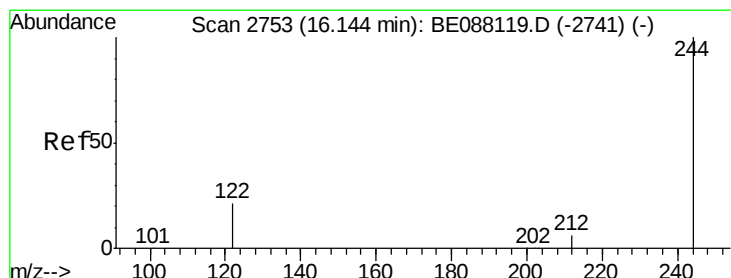
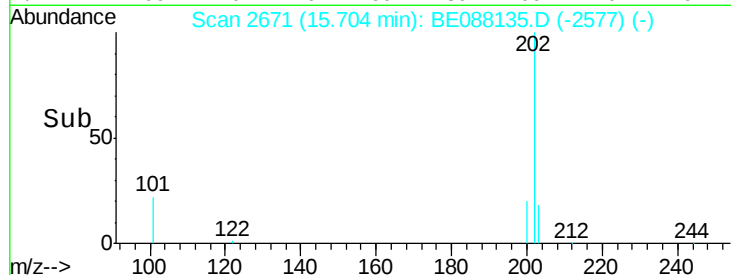
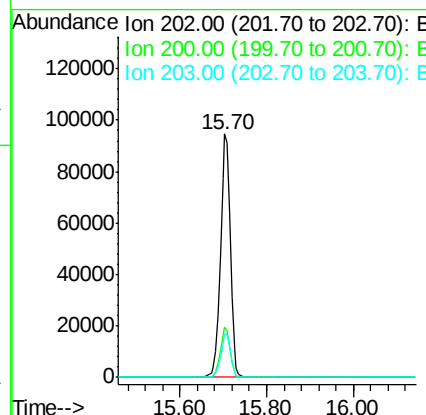
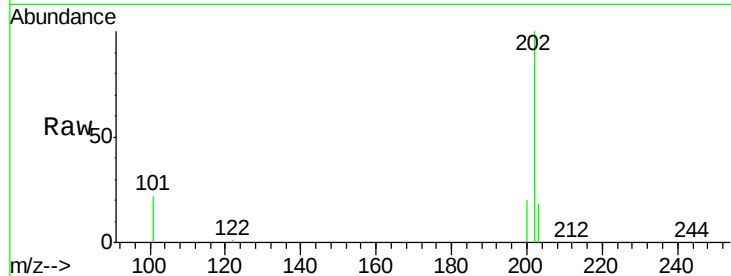
#17
Pyrene
Concen: 6.82 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	16.1	24.1
203	17.9	13.9	20.9

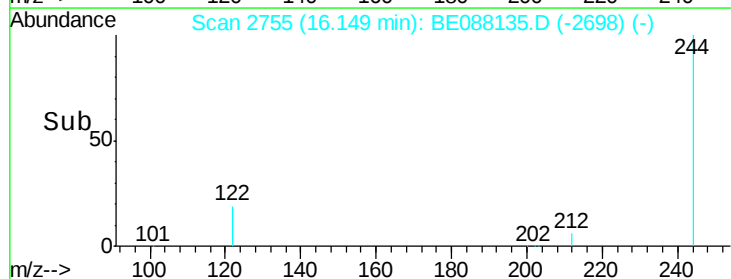
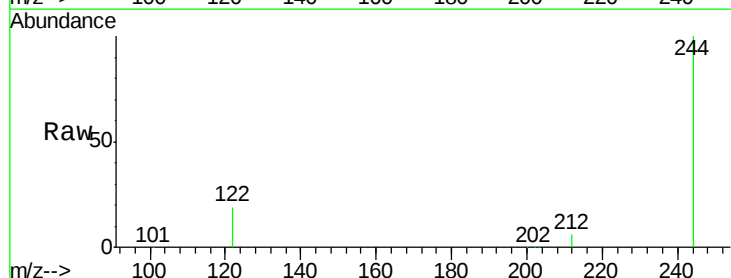
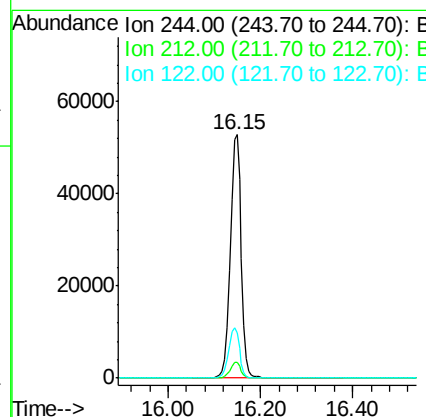
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#18
Terphenyl-d14
Concen: 6.76 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	18.7	17.5	26.3





#19

Benzo(a)anthracene

Concen: 6.88 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088135.D

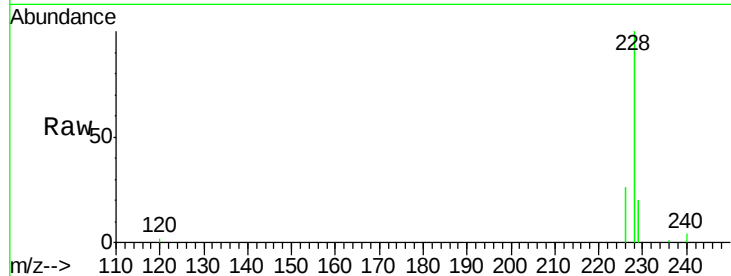
Acq: 21 Oct 2014 10:47

Instrument :

BNA_E

ClientSampleId :

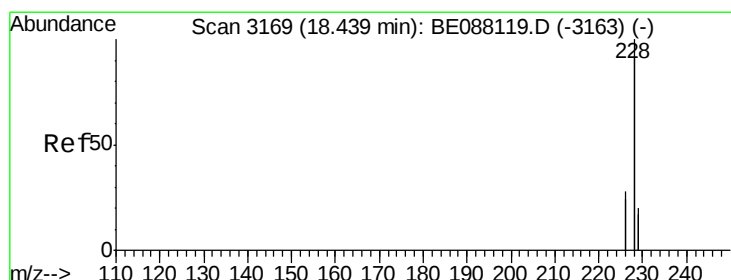
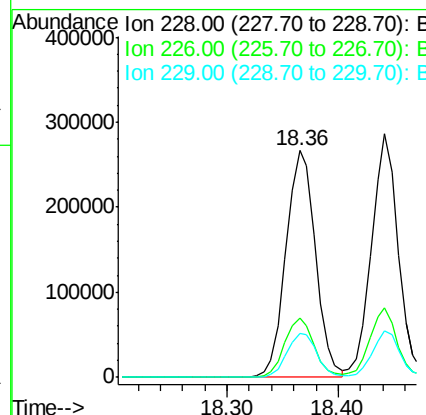
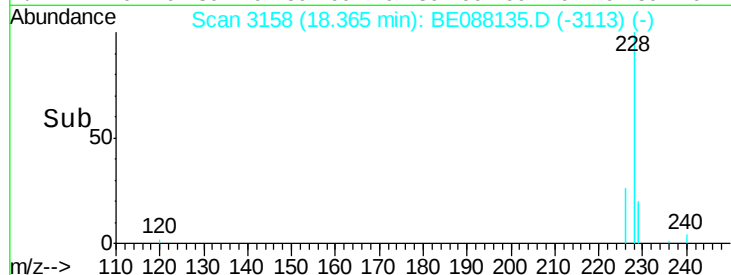
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.8	31.2
229	19.5	15.6	23.4

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#20

Chrysene

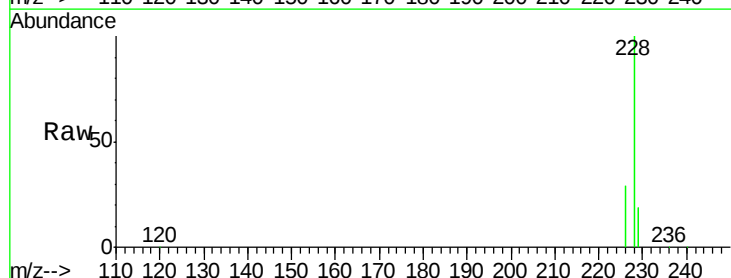
Concen: 6.96 ng

RT: 18.44 min Scan# 3170

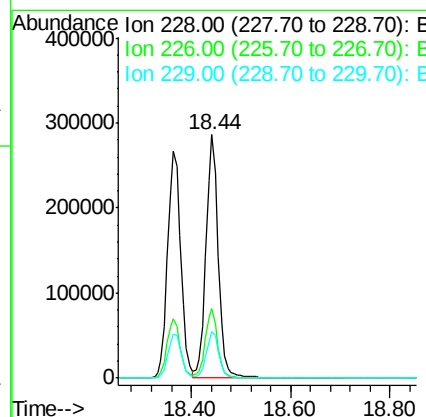
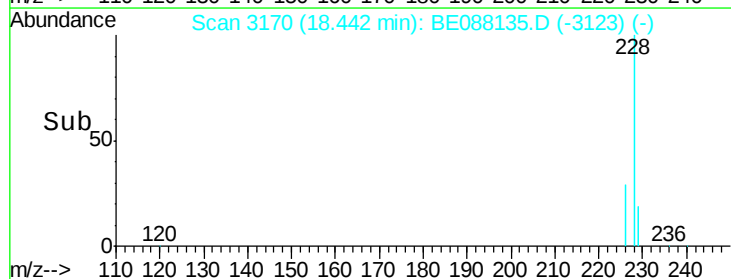
Delta R.T. 0.00 min

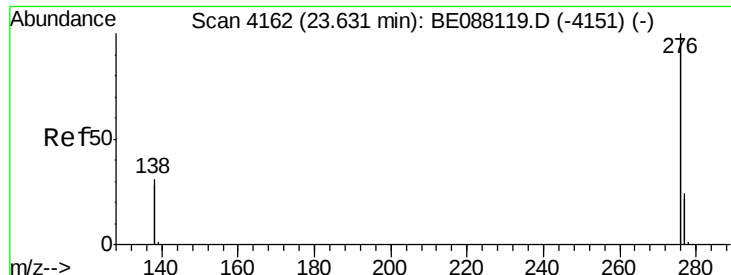
Lab File: BE088135.D

Acq: 21 Oct 2014 10:47



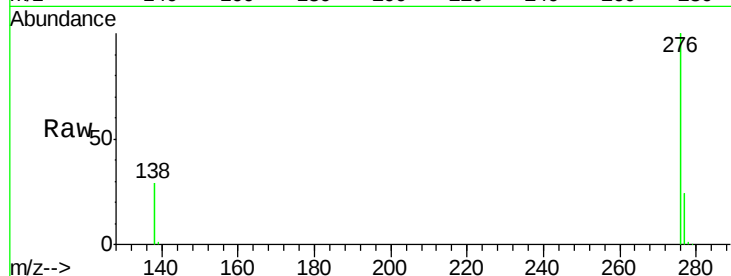
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	19.2	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 7.09 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

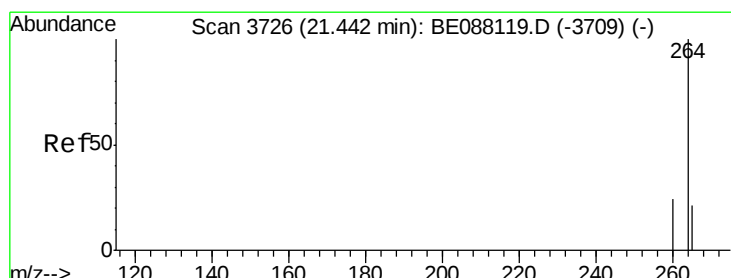
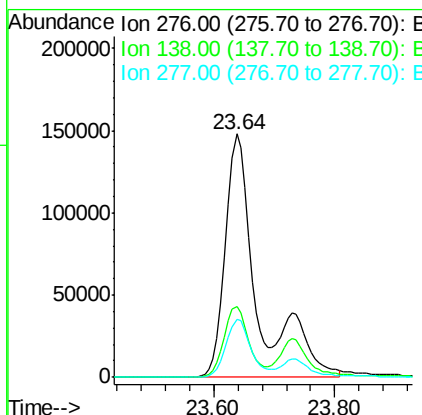
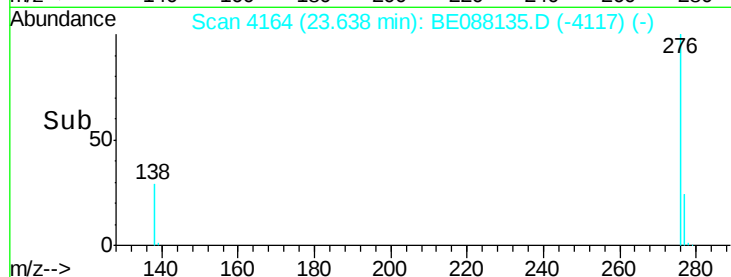
Instrument :
BNA_E
ClientSampleId :
PB79718BS



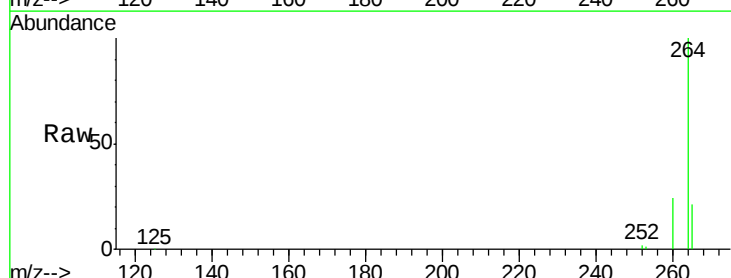
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	18.5	27.7
277	18.1	14.6	21.8

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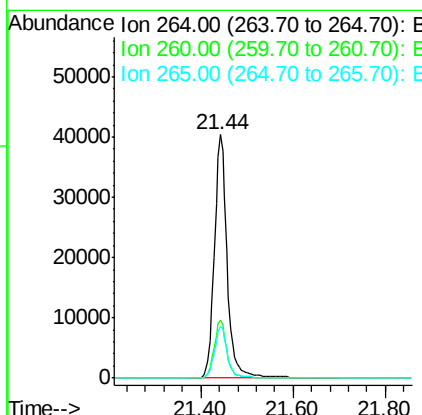
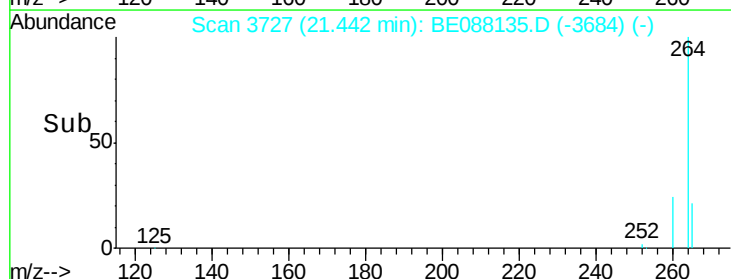
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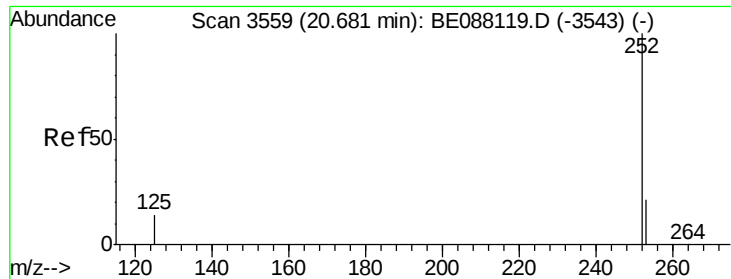


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47



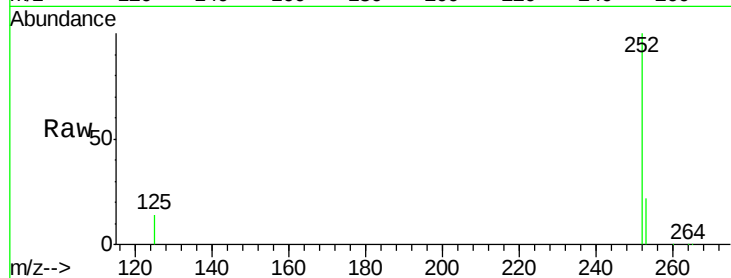
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.4	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 6.61 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

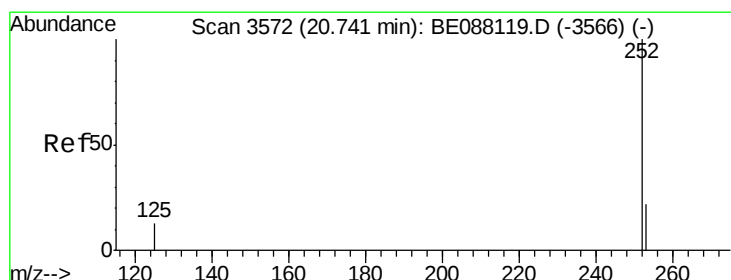
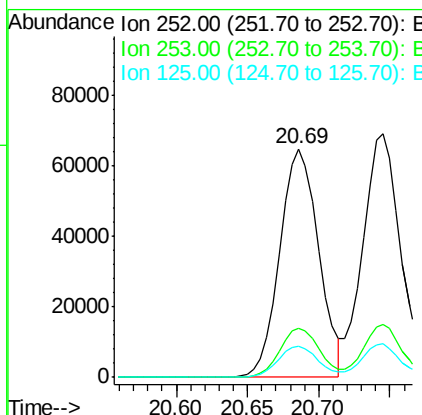
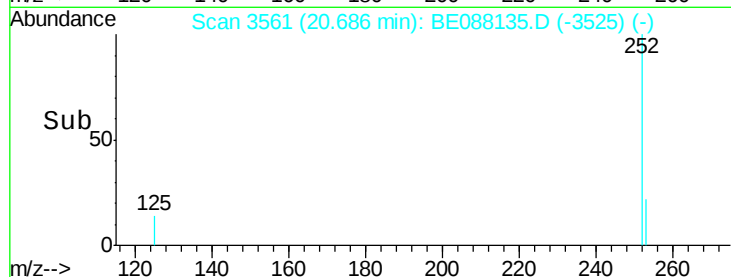
Instrument :
BNA_E
ClientSampleId :
PB79718BS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	13.8	11.8	17.8

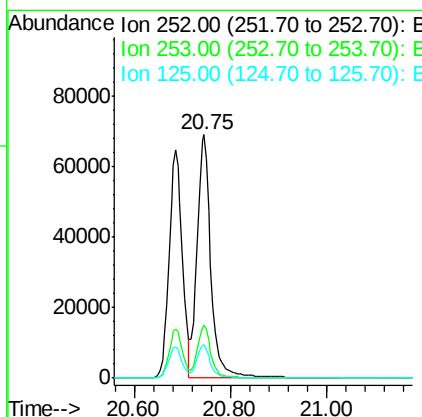
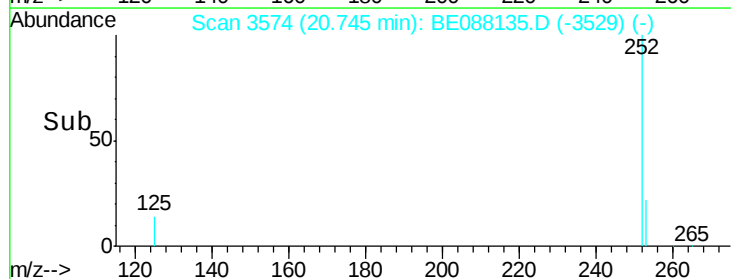
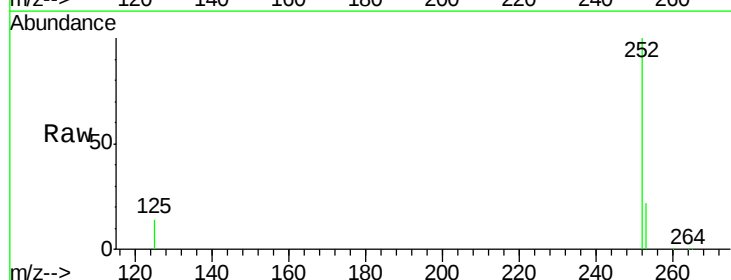
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#24
Benzo(k)fluoranthene
Concen: 6.94 ng
RT: 20.75 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	13.6	11.5	17.3





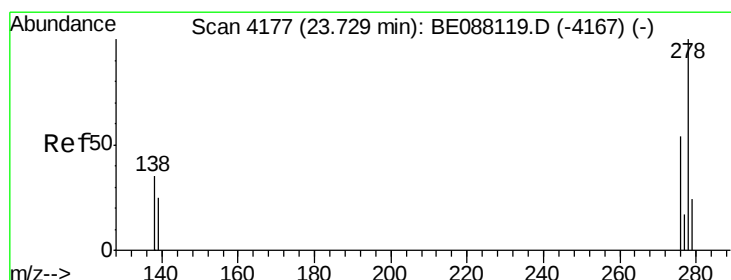
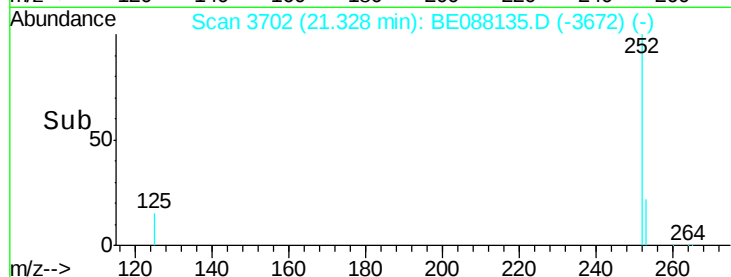
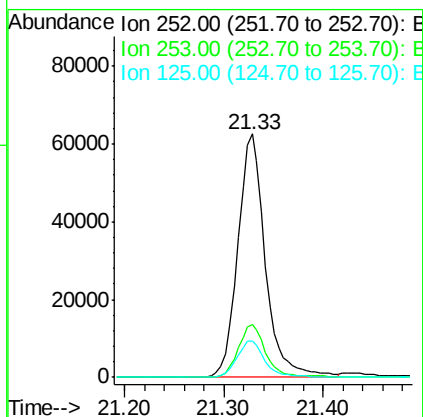
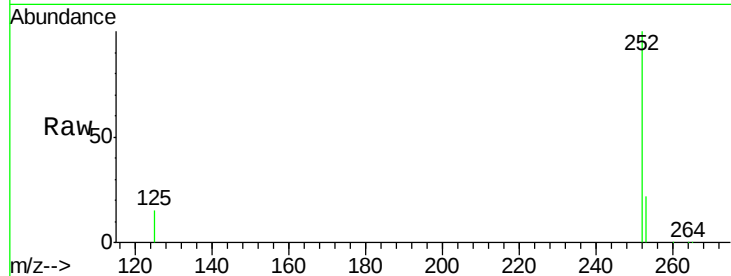
#25
Benzo(a)pyrene
Concen: 7.11 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Instrument :
BNA_E
ClientSampleId :
PB79718BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.9	17.5	26.3
125	15.1	13.0	19.6

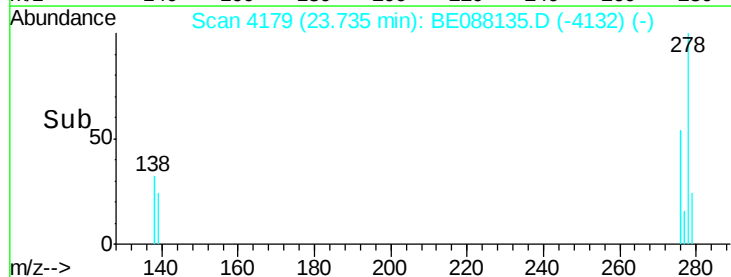
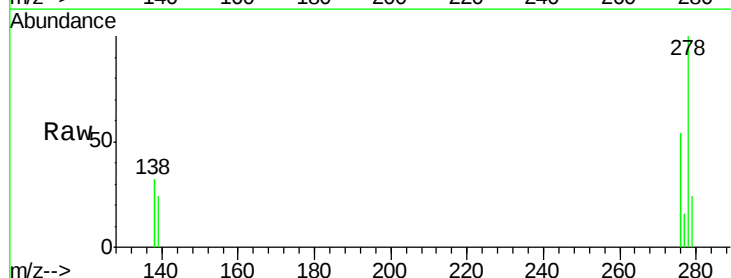
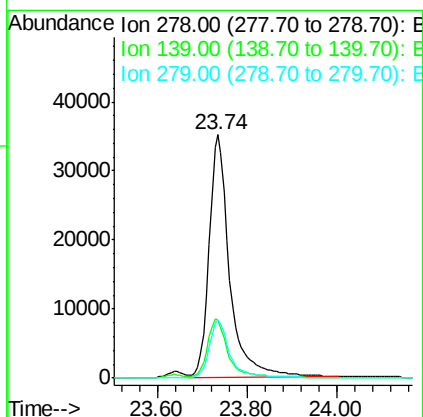
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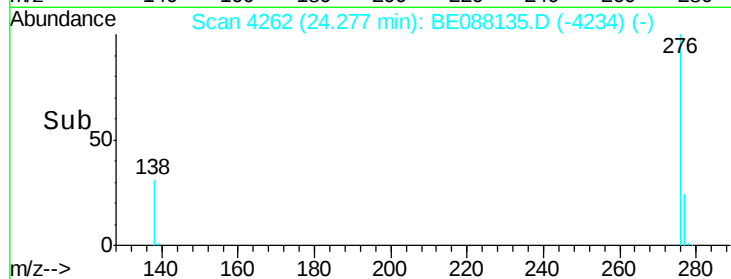
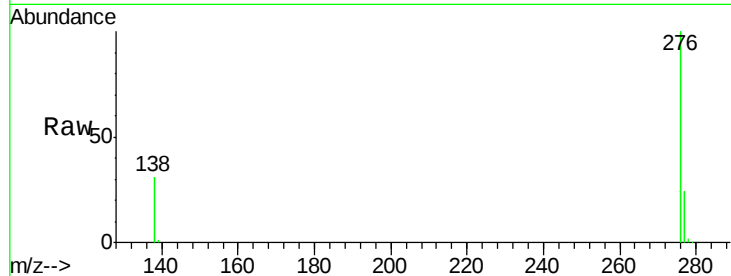
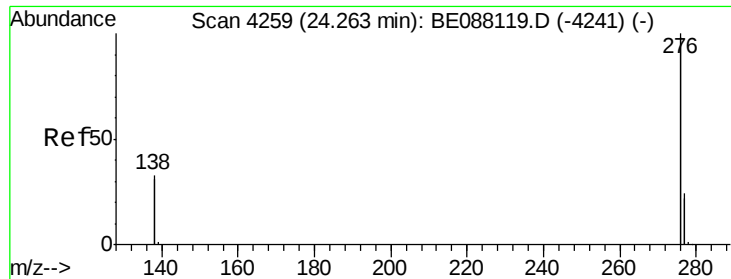
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#26
Dibenzo(a,h)anthracene
Concen: 6.66 ng
RT: 23.74 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088135.D
Acq: 21 Oct 2014 10:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	24.0	20.9	31.3
279	24.0	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 6.52 ng
 RT: 24.28 min Scan# 4262
 Delta R.T. 0.01 min
 Lab File: BE088135.D
 Acq: 21 Oct 2014 10:47

Instrument :
 BNA_E
 ClientSampleId :
 PB79718BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.0	19.2	28.8
138	30.8	26.6	40.0

Manual Integrations
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