

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088184.D
 Acq On : 22 Oct 2014 16:36
 Operator : TP/JJ
 Sample : PB79729BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BS

Manual Integrations
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Quant Time: Oct 27 04:24:32 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	25860	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	102817	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	54456	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	100212	5.00	ng	0.00
16) Chrysene-d12	18.39	240	54642	5.00	ng	0.00
22) Perylene-d12	21.44	264	50314	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	54738	7.39	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	100839	6.70	ng	0.00
18) Terphenyl-d14	16.15	244	78075	8.88	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.30	88	28965	7.78	ng	98
5) Naphthalene	8.73	128	156192	7.37	ng	99
6) 2-Methylnaphthalene	9.58	142	101324m	7.99	ng	
9) Acenaphthylene	10.67	152	554323	6.68	ng	100
10) Acenaphthene	10.88	154	82397	6.43	ng	99
11) Fluorene	11.55	166	93344	6.88	ng	99
13) Phenanthrene	13.01	178	517138	7.10	ng	95
14) Anthracene	13.09	178	521024	6.66	ng	99
15) Fluoranthene	15.25	202	111213	5.83	ng	99
17) Pyrene	15.71	202	115751	7.79	ng	99
19) Benzo(a)anthracene	18.36	228	321823	6.62	ng	99
20) Chrysene	18.44	228	325724	6.83	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	357163m	6.74	ng	
23) Benzo(b)fluoranthene	20.69	252	75110	6.27	ng	99
24) Benzo(k)fluoranthene	20.74	252	88065	6.87	ng	99
25) Benzo(a)pyrene	21.33	252	74861	6.79	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	70998	6.56	ng	97
27) Benzo(g,h,i)perylene	24.28	276	325345	6.80	ng	98

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

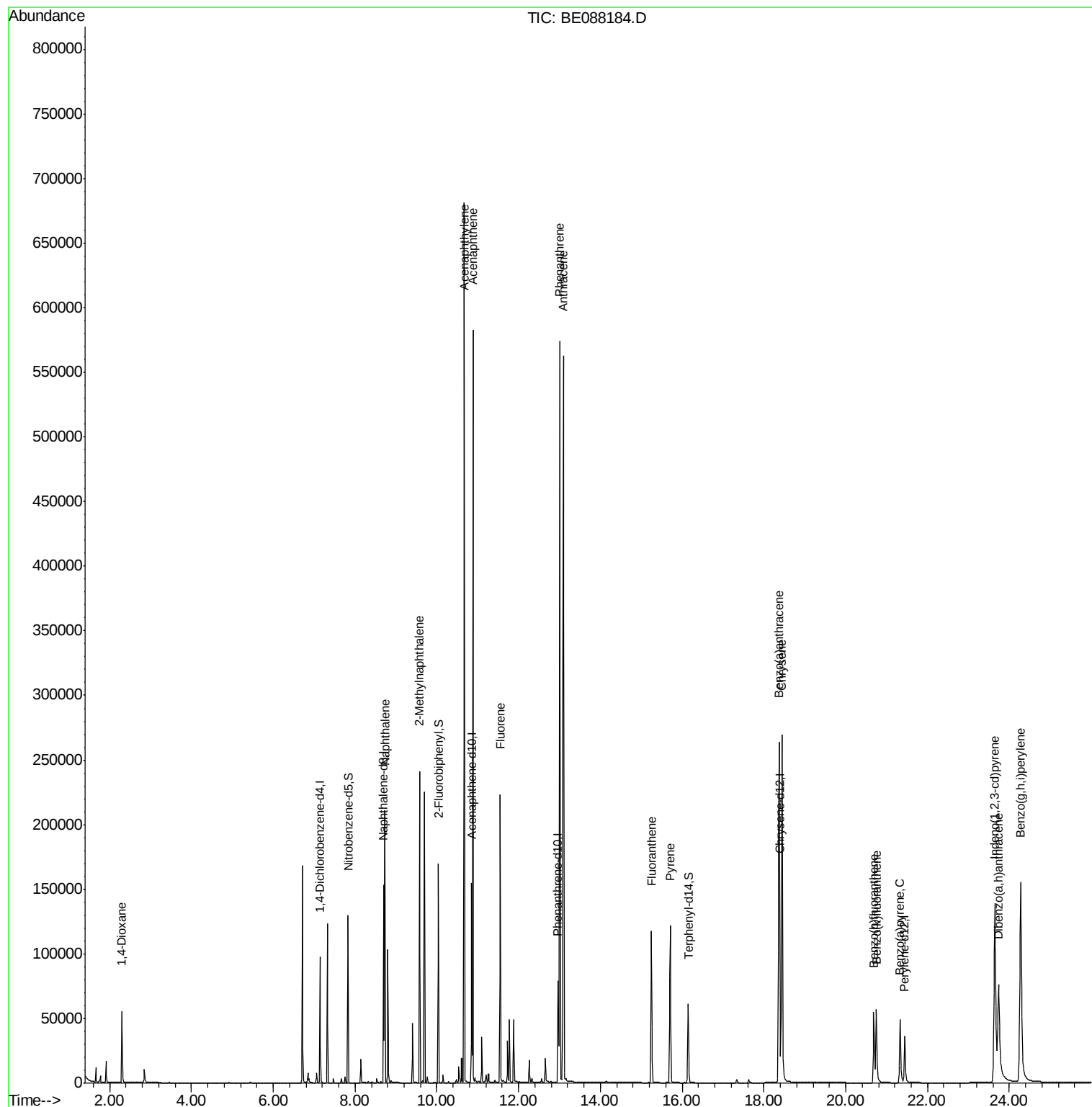
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088184.D
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ALS Vial : 6 Sample Multiplier: 1

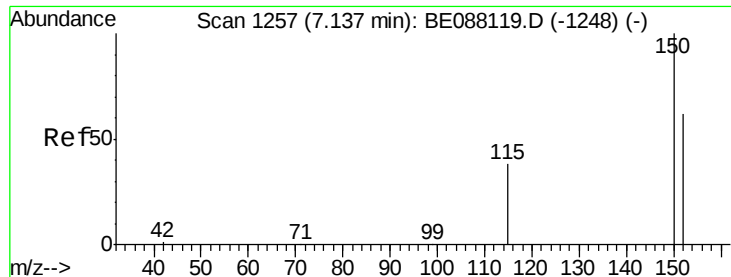
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088184.D

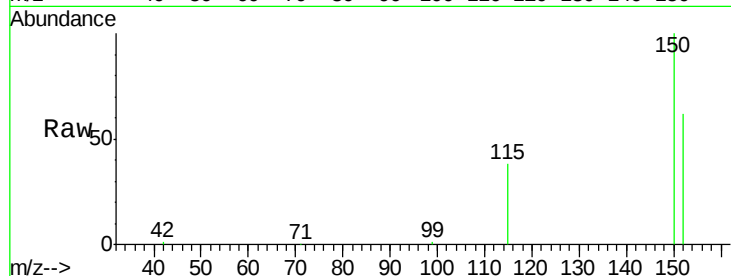
Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

ClientSampleId :

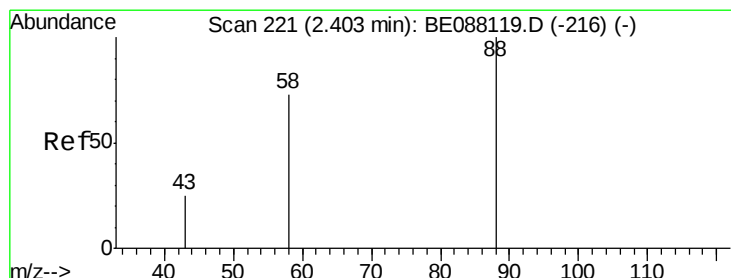
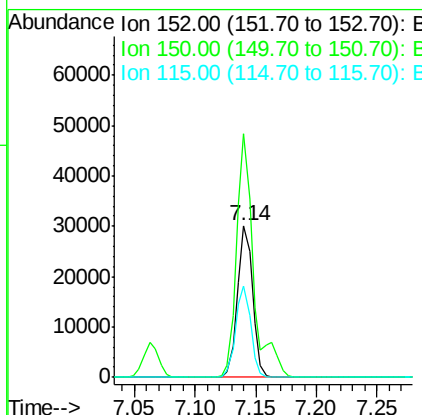
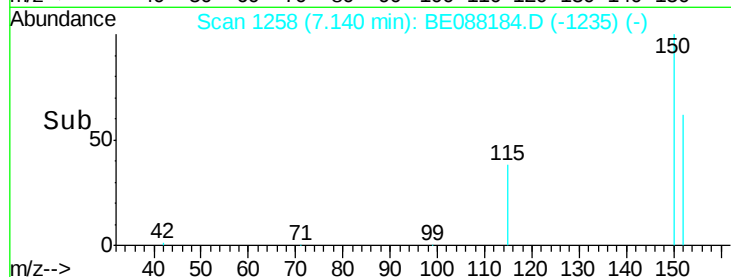
PB79729BS



Tgt Ion:	152	Resp:	25860
Ion Ratio	Lower	Upper	
152	100		
150	160.6	129.2	193.8
115	60.5	49.3	73.9

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#2

1,4-Dioxane

Concen: 7.78 ng

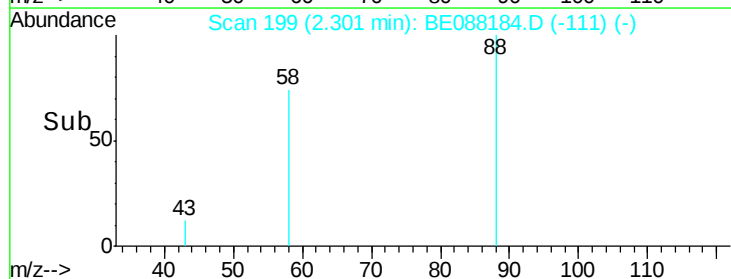
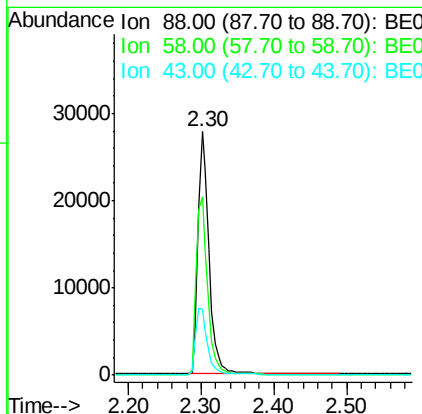
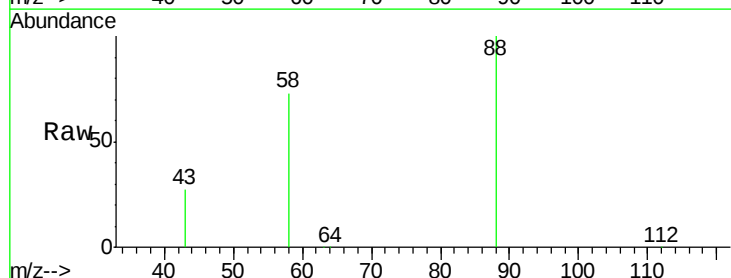
RT: 2.30 min Scan# 199

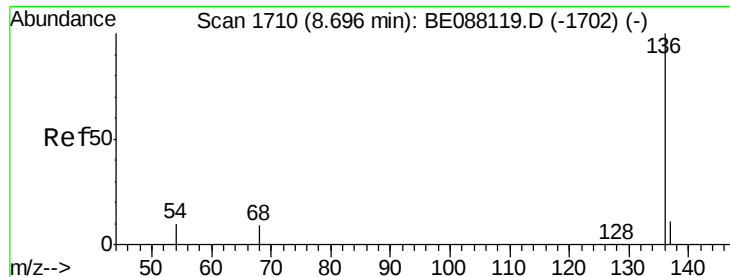
Delta R.T. -0.10 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Tgt Ion:	88	Resp:	28965
Ion Ratio	Lower	Upper	
88	100		
58	75.5	59.5	89.3
43	28.5	21.2	31.8





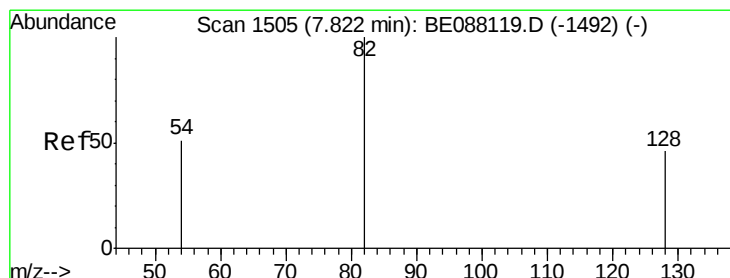
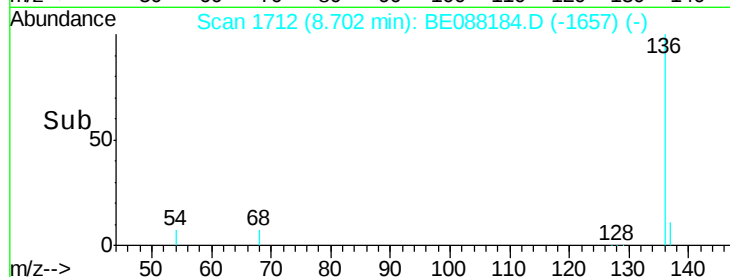
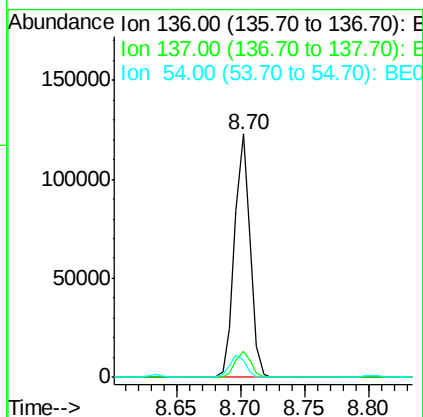
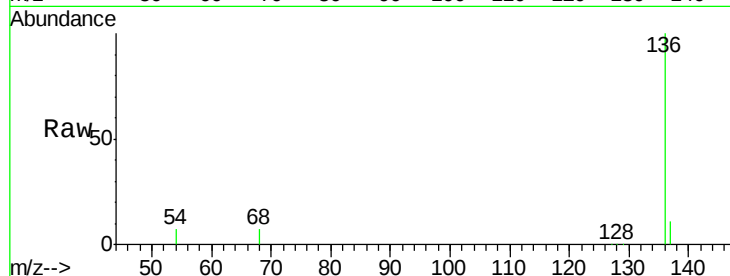
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088184.D
Acq: 22 Oct 2014 16:36

Instrument :
BNA_E
ClientSampleId :
PB79729BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.9	8.6	12.8
54	7.0	7.7	11.5

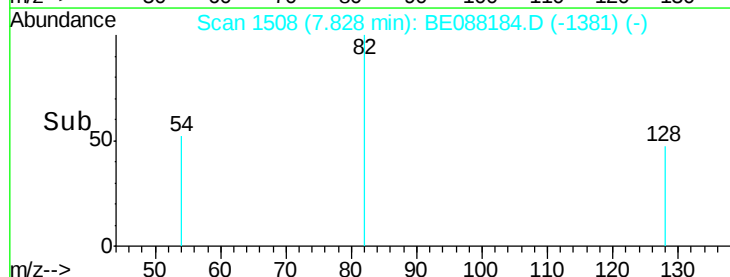
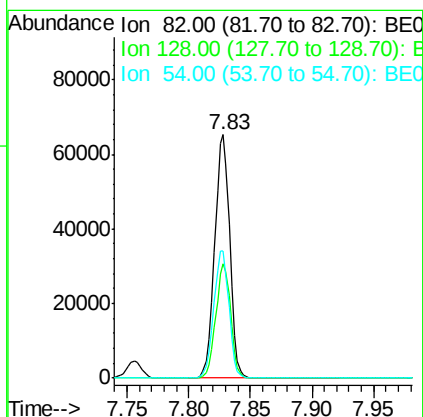
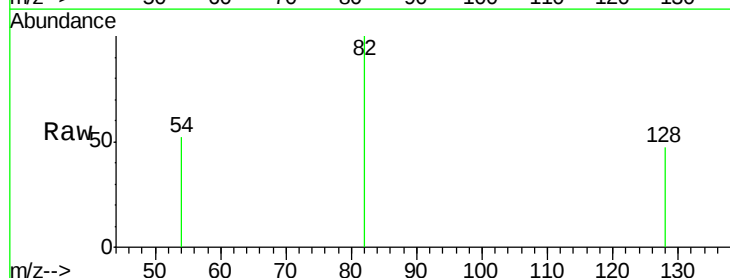
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#4
Nitrobenzene-d5
Concen: 7.39 ng
RT: 7.83 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BE088184.D
Acq: 22 Oct 2014 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.0	37.1	55.7
54	52.0	41.1	61.7





#5

Naphthalene

Concen: 7.37 ng

RT: 8.73 min Scan# 1717

Delta R.T. 0.01 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

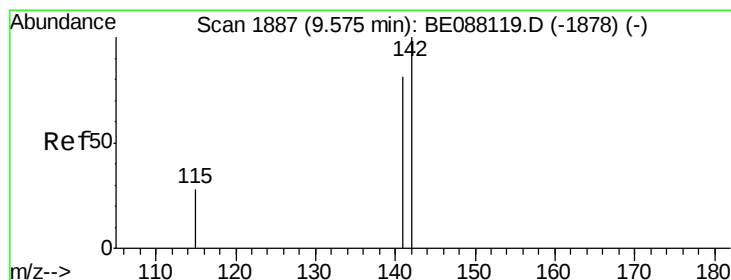
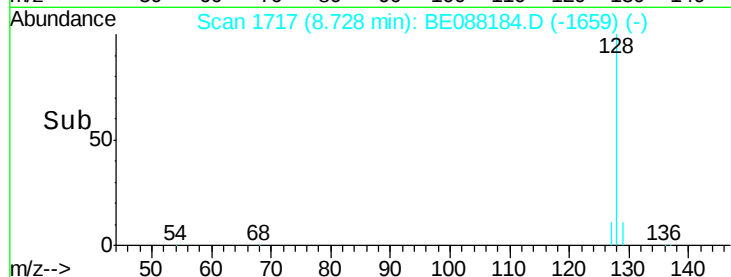
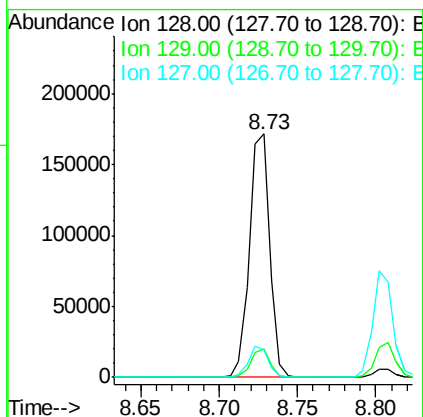
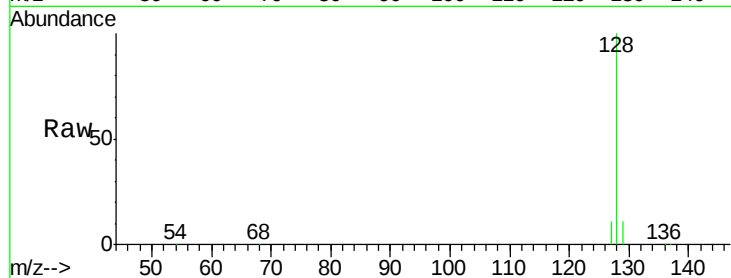
ClientSampleId :

PB79729BS

Tgt Ion:	128	Resp:	156192
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.9	13.3
127	11.4	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 7.99 ng m

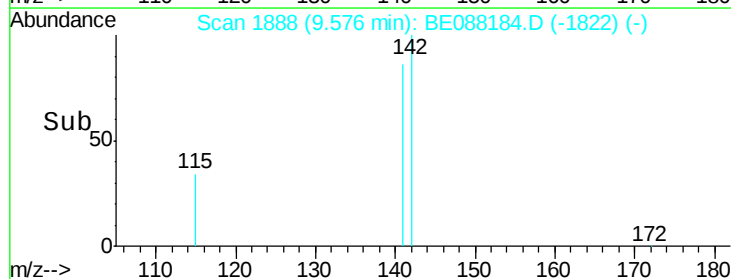
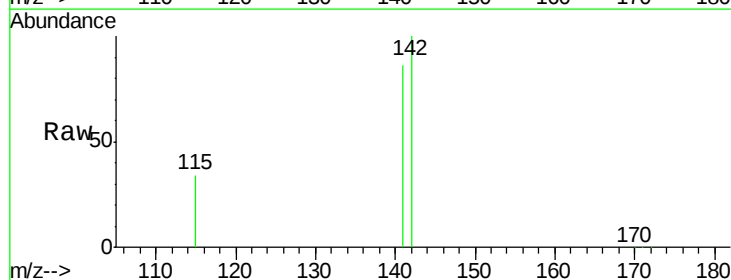
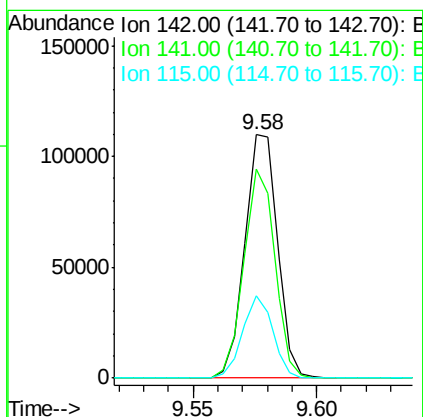
RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Tgt Ion:	142	Resp:	101324
Ion Ratio	Lower	Upper	
142	100		
141	85.7	64.6	97.0
115	34.0	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: BE088184.D

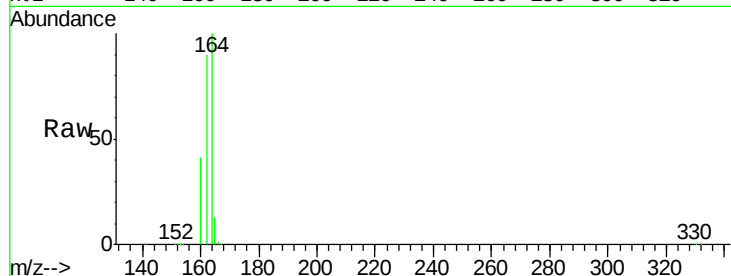
Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

ClientSampleId :

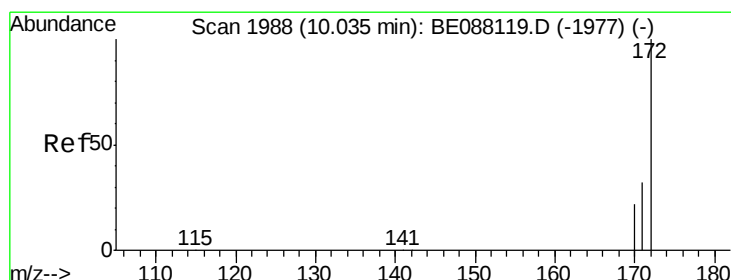
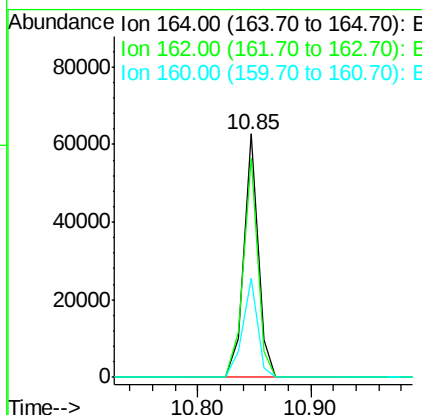
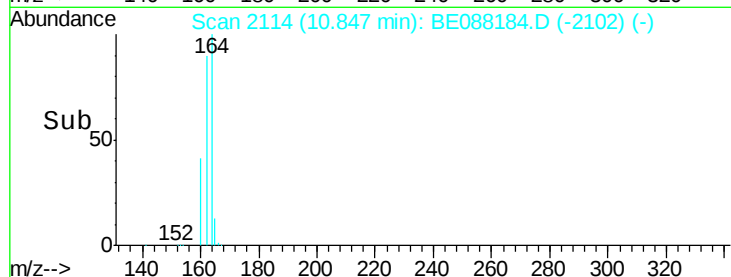
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Tgt Ion:	164	Resp:	54456
Ion Ratio	Lower	Upper	
164	100		
162	90.2	68.3	102.5
160	40.5	28.7	43.1

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#8

2-Fluorobiphenyl

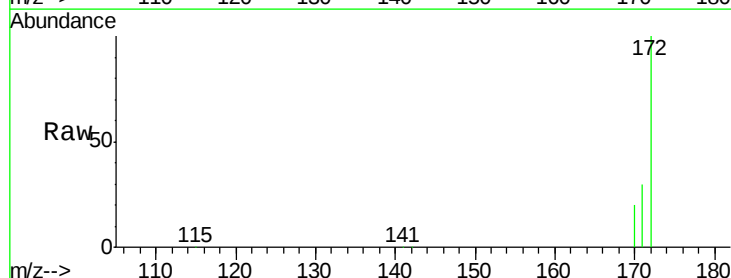
Concen: 6.70 ng

RT: 10.04 min Scan# 1990

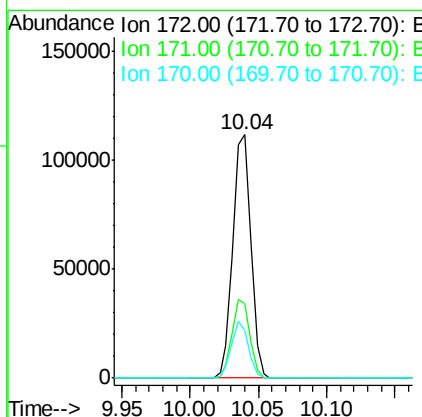
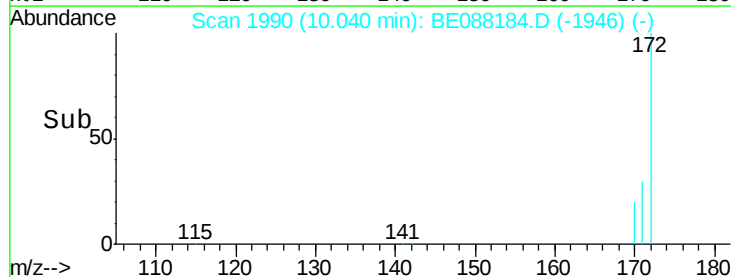
Delta R.T. 0.01 min

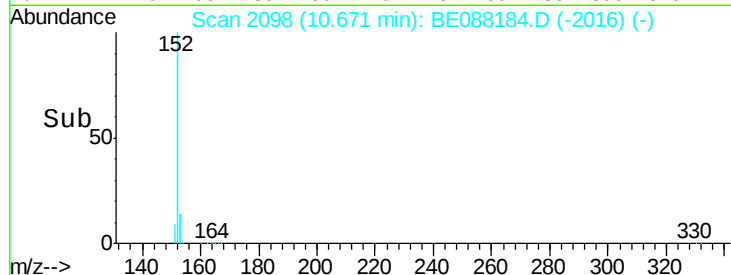
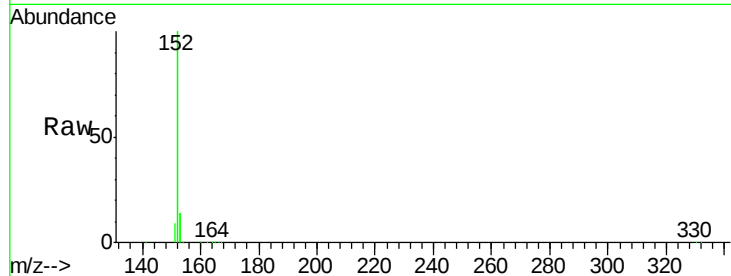
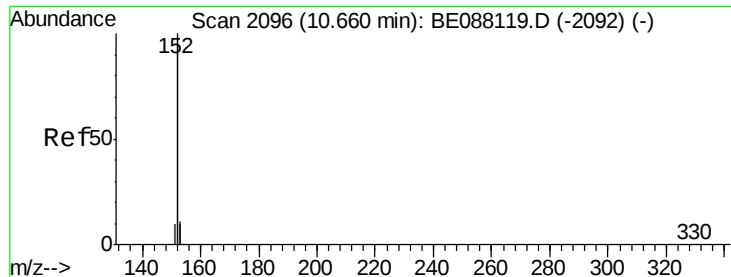
Lab File: BE088184.D

Acq: 22 Oct 2014 16:36



Tgt Ion:	172	Resp:	100839
Ion Ratio	Lower	Upper	
172	100		
171	30.4	25.4	38.2
170	19.5	17.4	26.2





#9

Acenaphthylene

Concen: 6.68 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

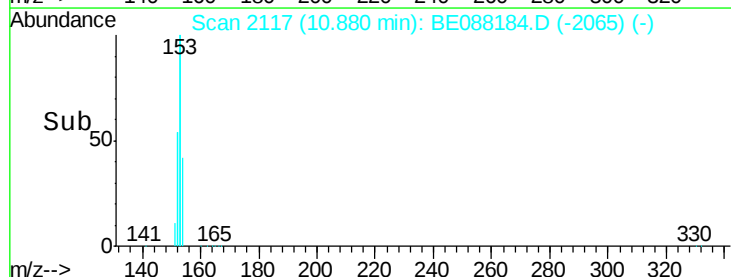
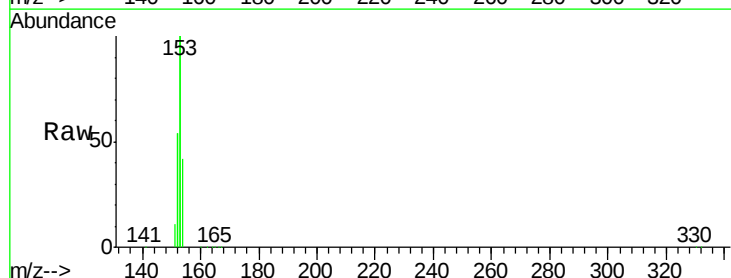
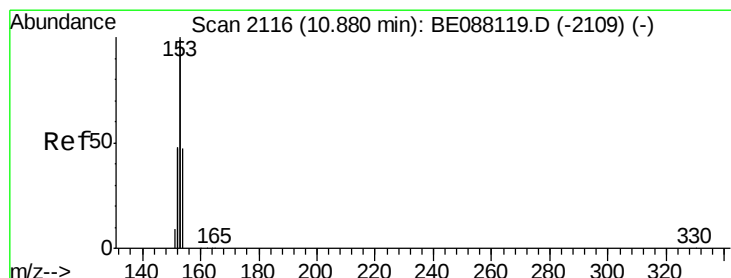
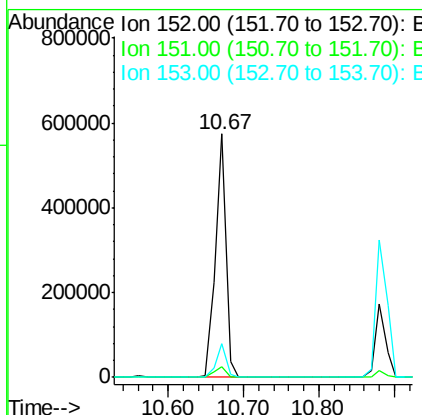
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Tgt Ion:	152	Resp:	554323
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.7	5.5
153	13.1	10.4	15.6



#10

Acenaphthene

Concen: 6.43 ng

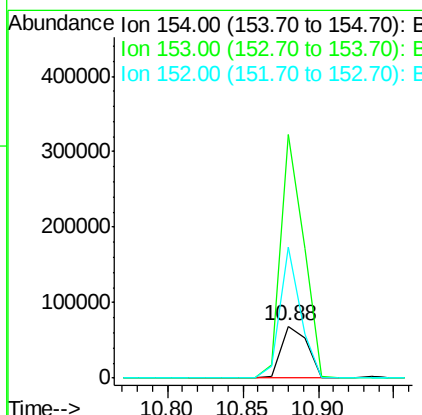
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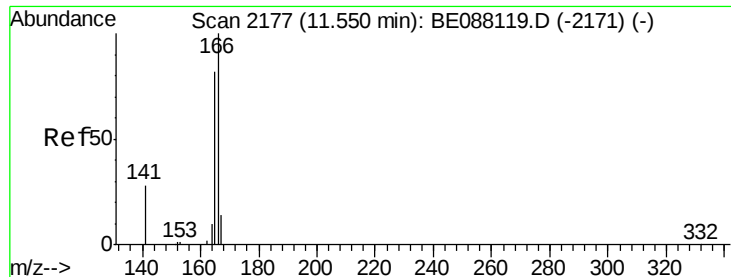
Delta R.T. 0.00 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Tgt Ion:	154	Resp:	82397
Ion Ratio	Lower	Upper	
154	100		
153	411.7	327.8	491.6
152	198.3	157.6	236.4





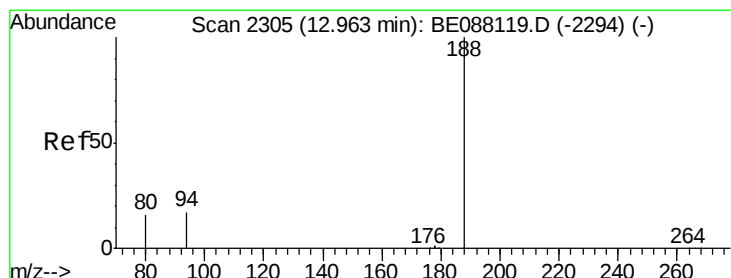
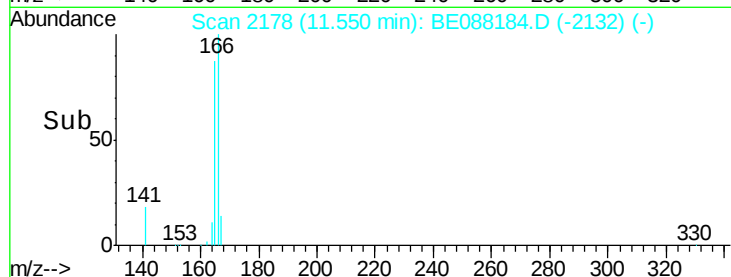
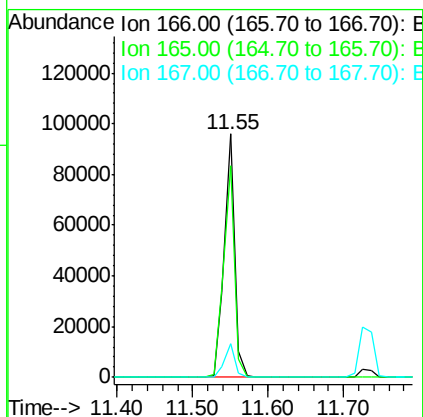
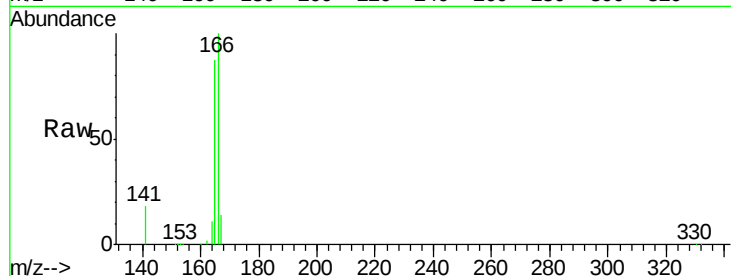
#11
Fluorene
 Concen: 6.88 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	71.4	107.2
167	13.6	10.6	16.0

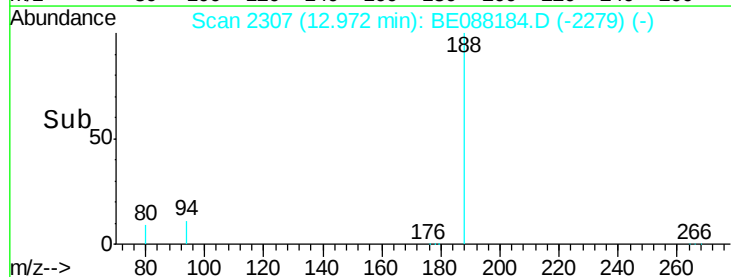
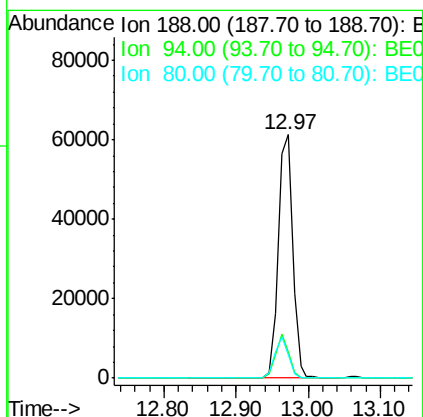
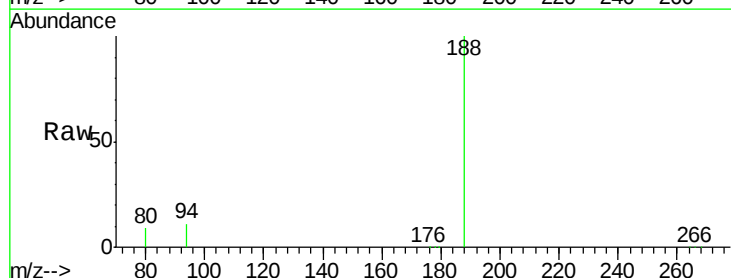
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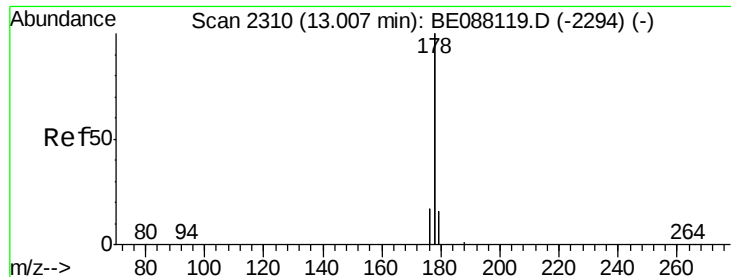
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.97 min Scan# 2307
 Delta R.T. 0.01 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	13.9	20.9#
80	9.5	12.9	19.3#





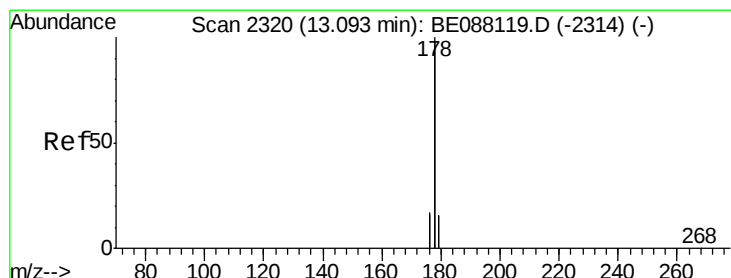
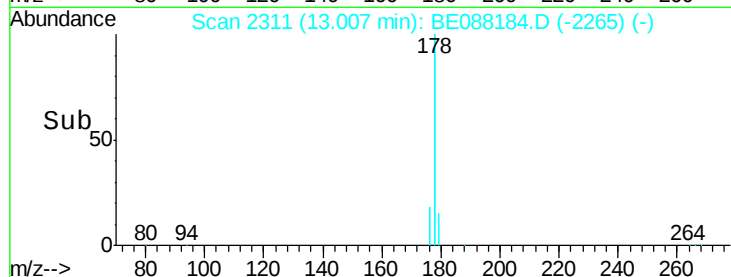
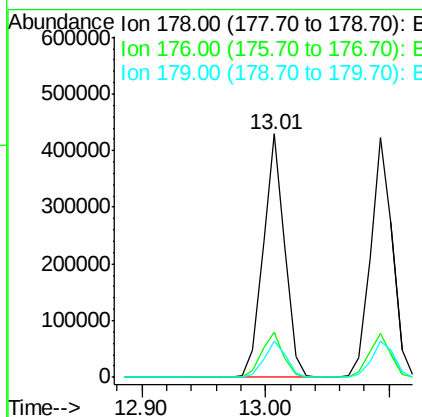
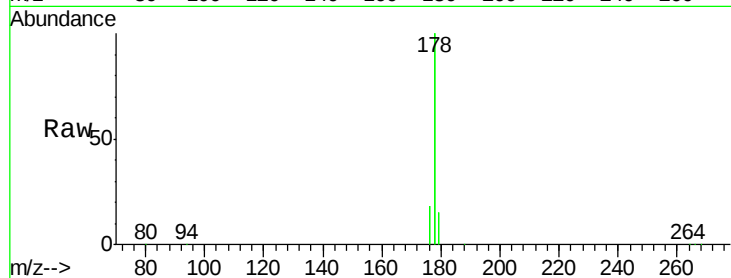
#13
Phenanthrene
Concen: 7.10 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088184.D
Acq: 22 Oct 2014 16:36

Instrument :
BNA_E
ClientSampleId :
PB79729BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.5	18.7
179	15.3	13.5	20.3

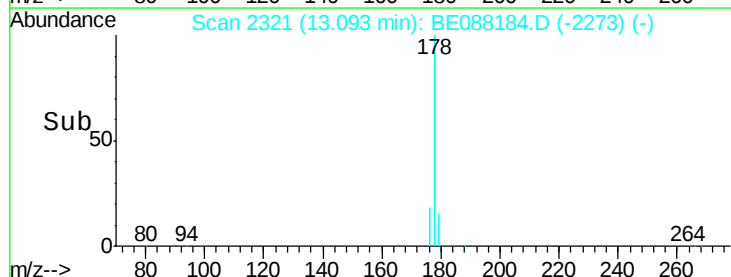
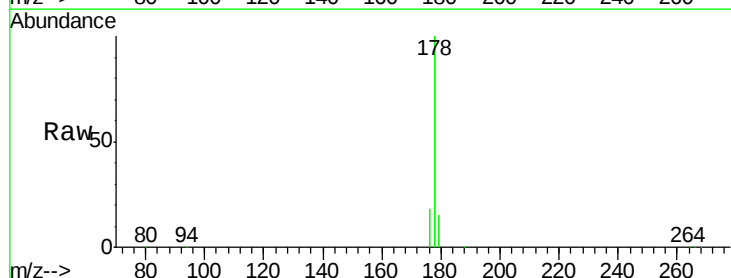
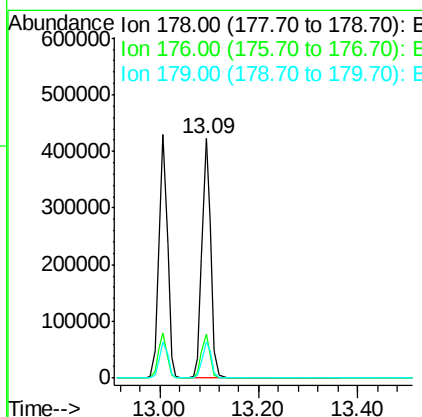
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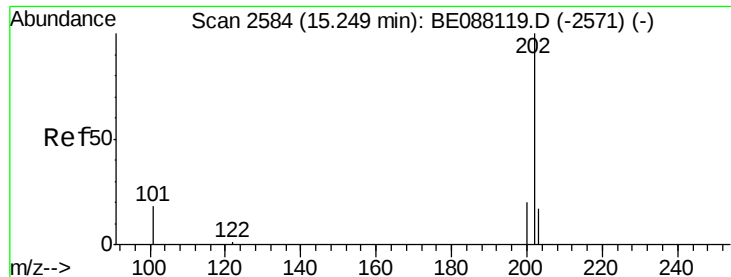
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#14
Anthracene
Concen: 6.66 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088184.D
Acq: 22 Oct 2014 16:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.1	12.5	18.7





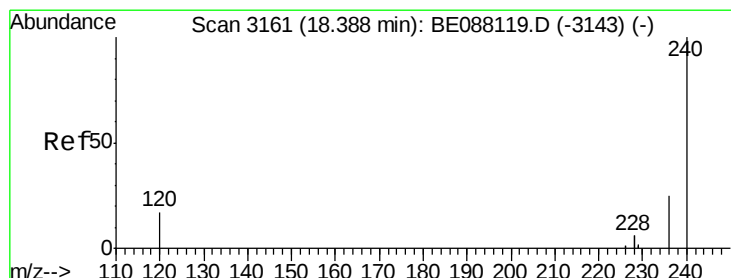
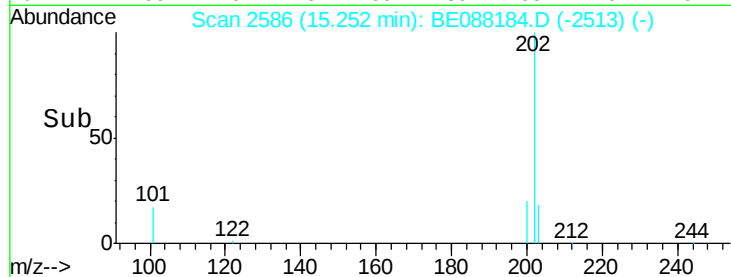
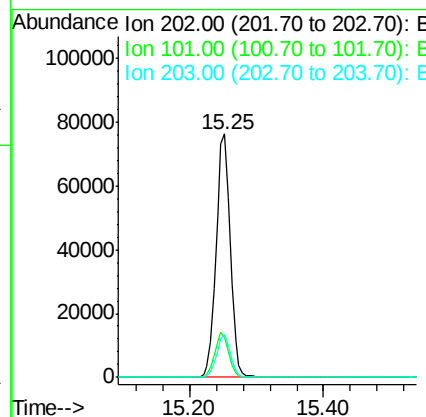
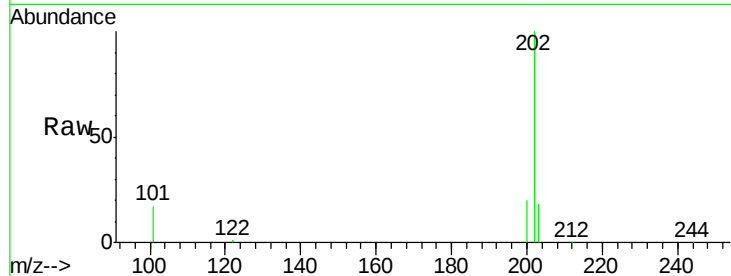
#15
 Fluoranthene
 Concen: 5.83 ng
 RT: 15.25 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	18.1	14.8	22.2
203	17.2	13.5	20.3

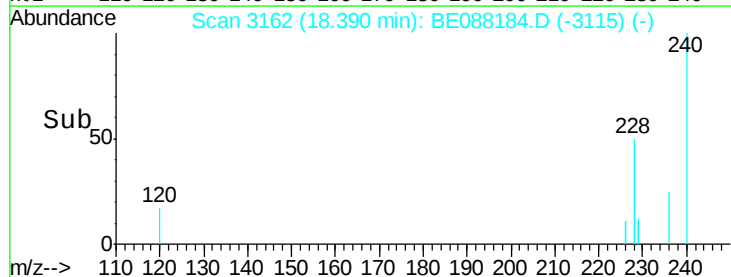
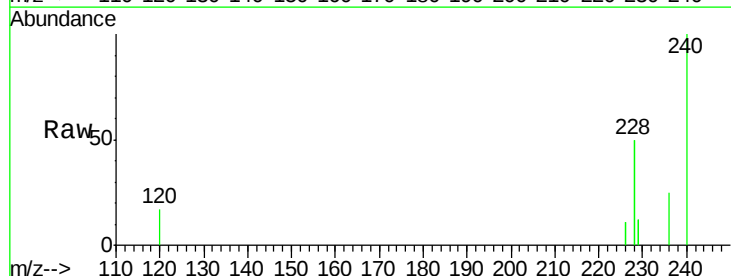
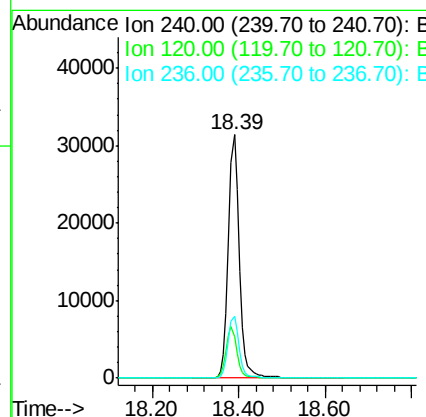
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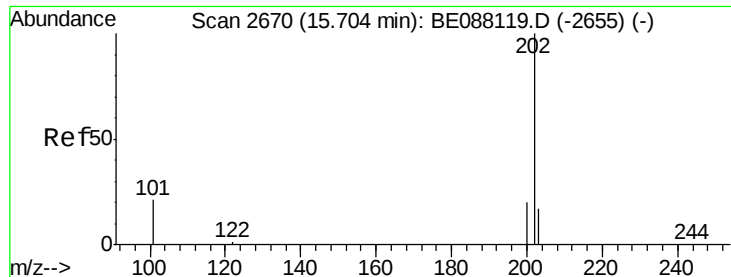
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.39 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	17.2	13.9	20.9
236	25.2	19.9	29.9





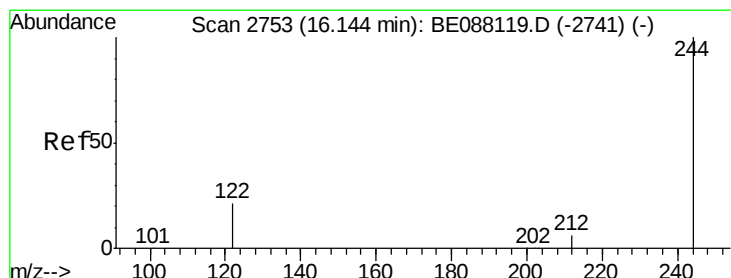
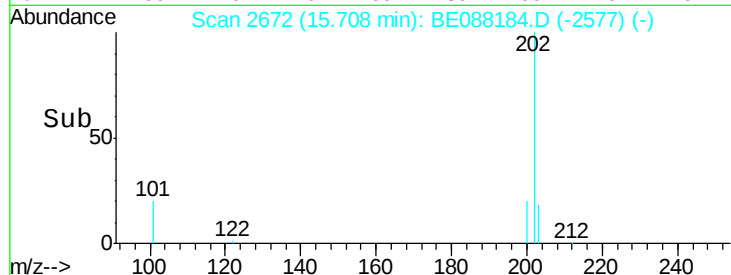
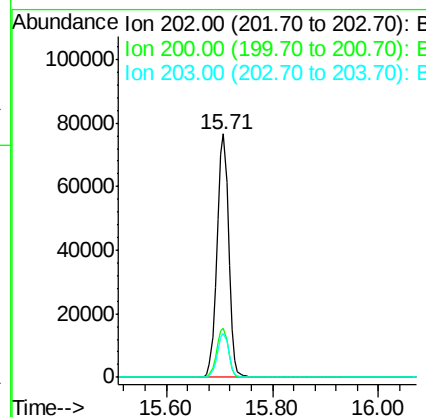
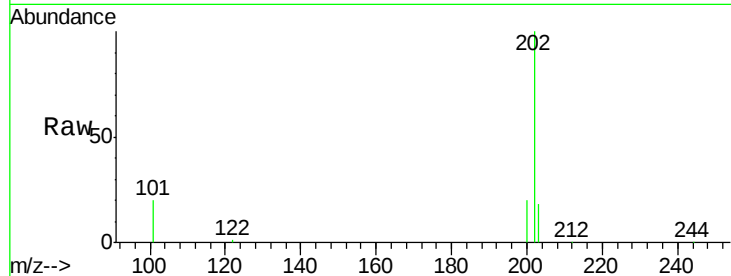
#17
 Pyrene
 Concen: 7.79 ng
 RT: 15.71 min Scan# 2672
 Delta R.T. 0.00 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BS

Tgt Ion:	202	Resp:	115751
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.1	24.1
203	17.9	13.9	20.9

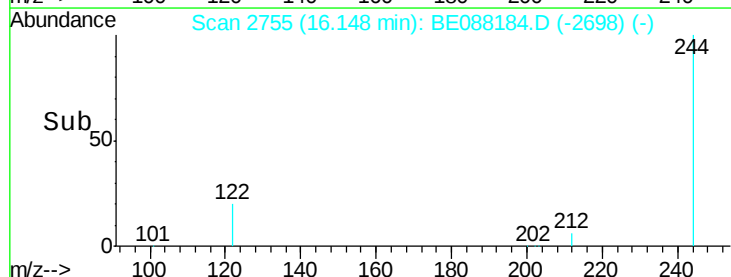
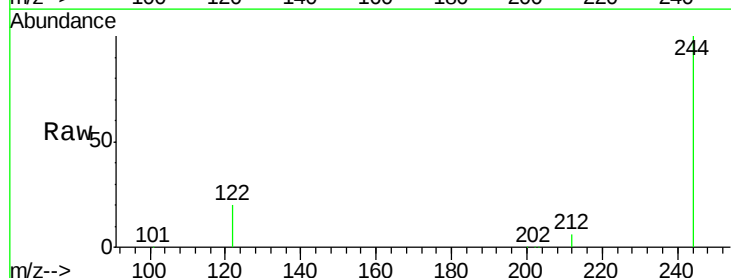
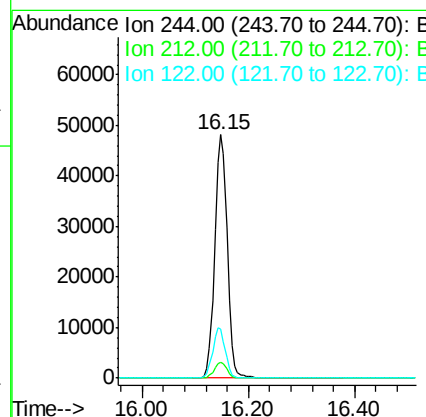
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#18
 Terphenyl-d14
 Concen: 8.88 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Tgt Ion:	244	Resp:	78075
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	20.1	17.5	26.3





#19

Benzo(a)anthracene

Concen: 6.62 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

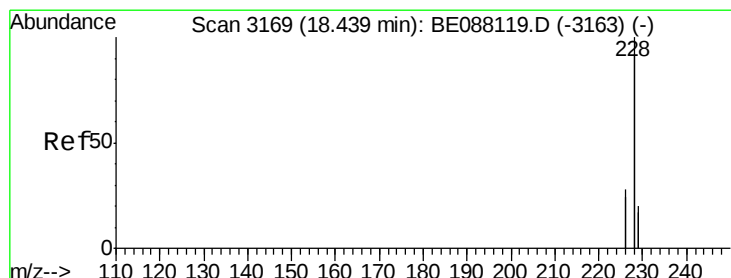
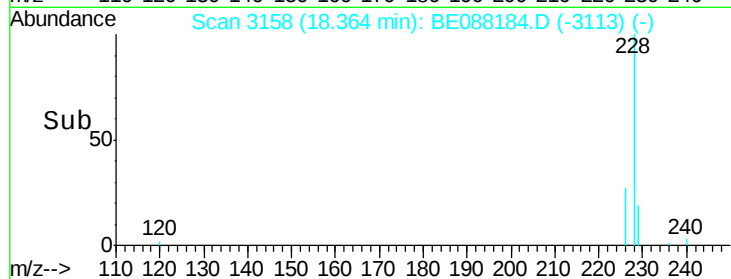
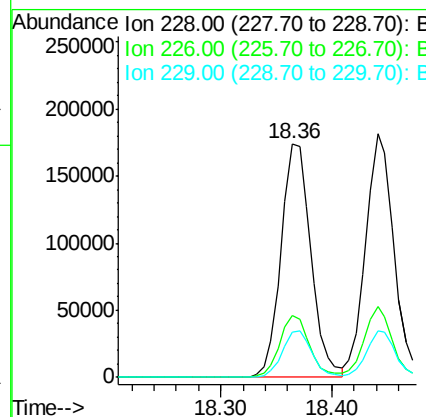
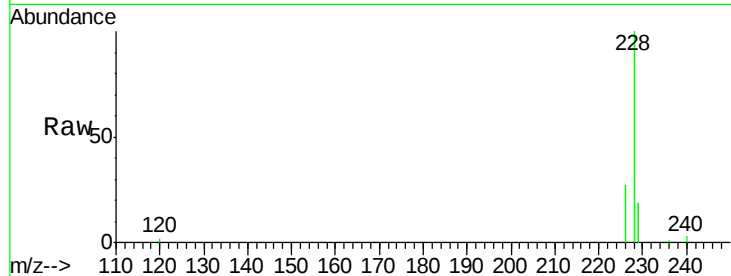
ClientSampleId :

PB79729BS

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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	26.5	20.8	31.2	
229	19.2	15.6	23.4	



#20

Chrysene

Concen: 6.83 ng

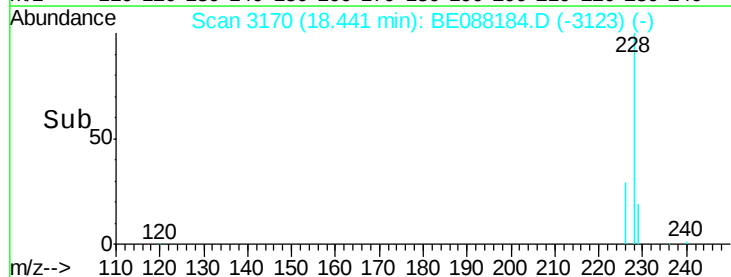
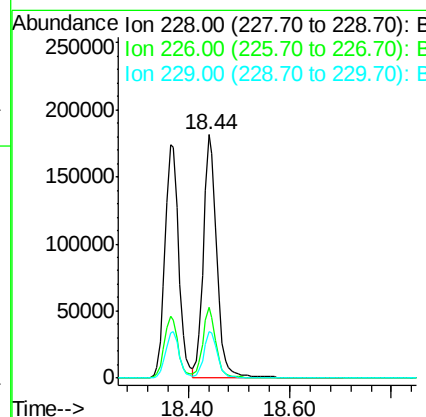
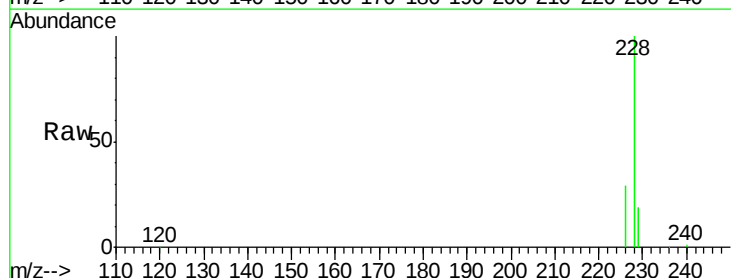
RT: 18.44 min Scan# 3170

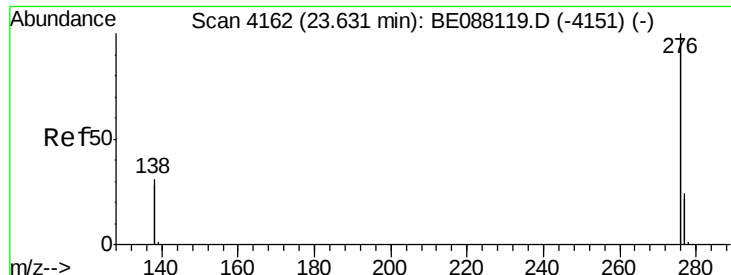
Delta R.T. 0.00 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	29.1	22.7	34.1	
229	19.0	15.8	23.6	





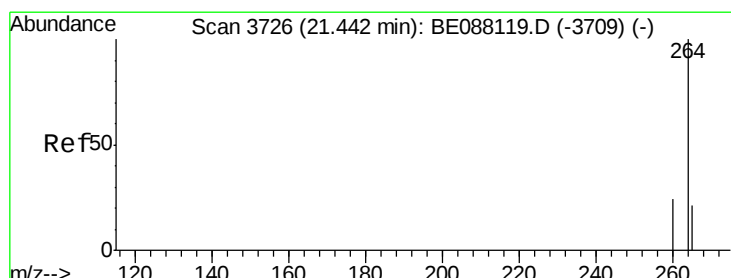
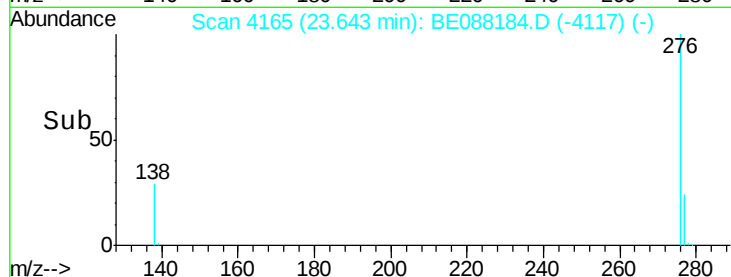
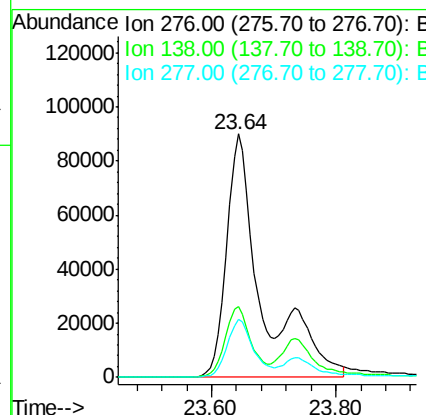
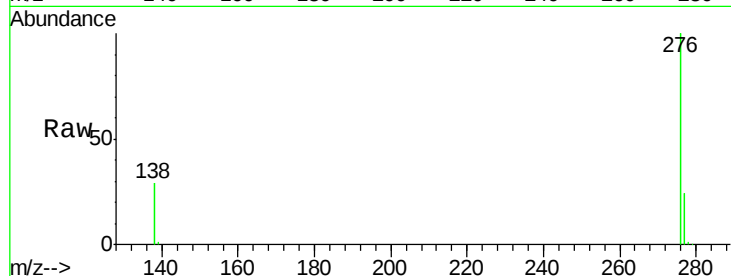
#21
 Indeno(1,2,3-cd)pyrene
 Concen: 6.74 ng m
 RT: 23.64 min Scan# 4165
 Delta R.T. 0.01 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	18.5	27.7
277	17.5	14.6	21.8

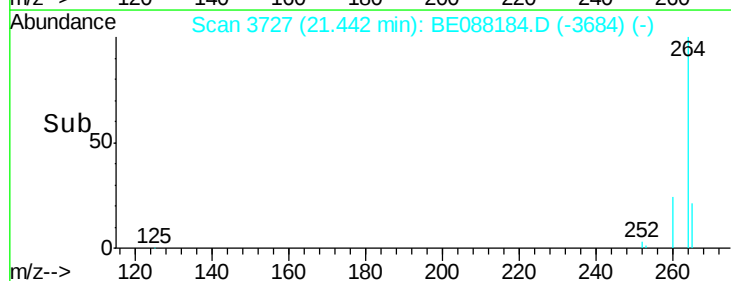
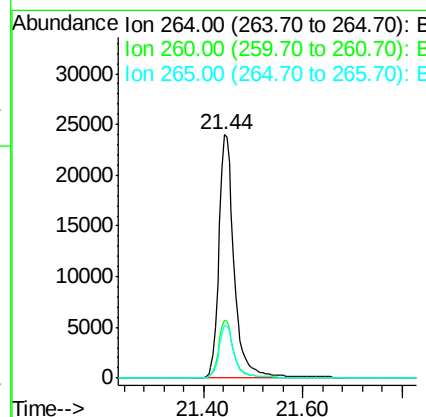
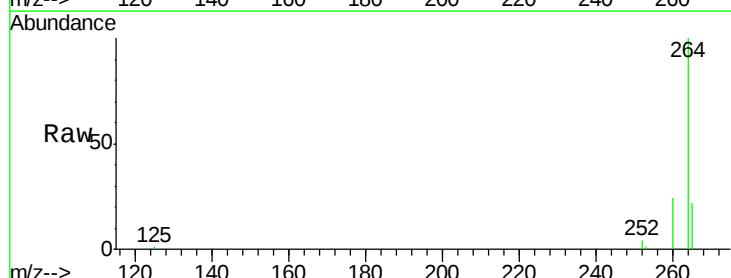
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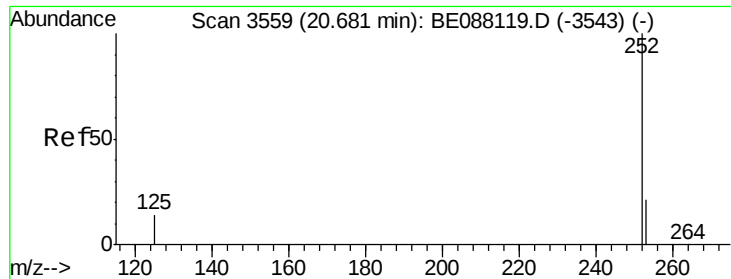
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3727
 Delta R.T. -0.00 min
 Lab File: BE088184.D
 Acq: 22 Oct 2014 16:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 6.27 ng

RT: 20.69 min Scan# 3561

Delta R.T. 0.00 min

Lab File: BE088184.D

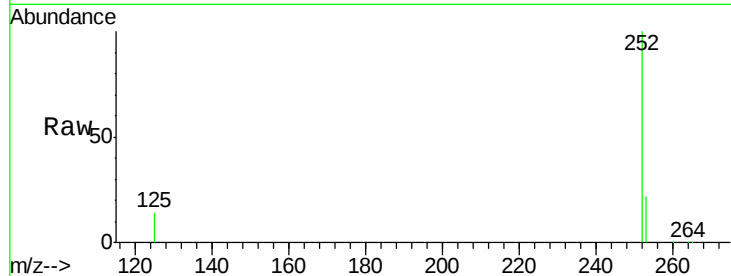
Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

ClientSampleId :

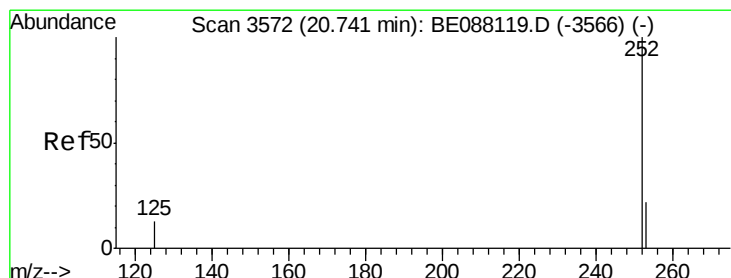
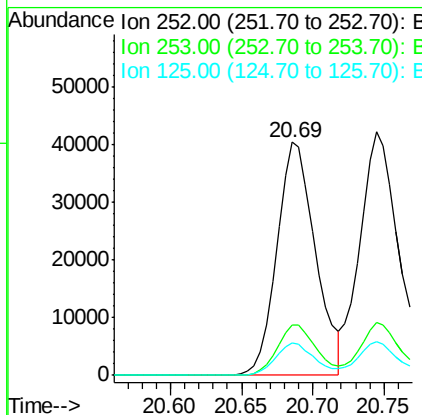
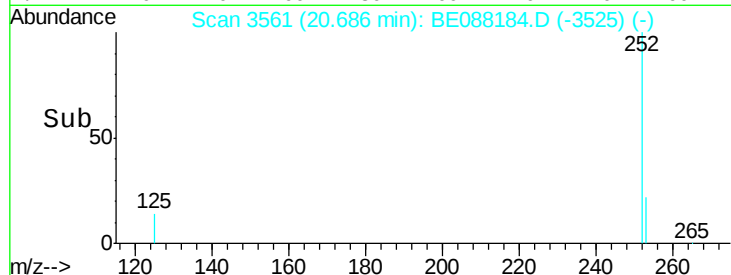
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	14.0	11.8	17.8

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#24

Benzo(k)fluoranthene

Concen: 6.87 ng

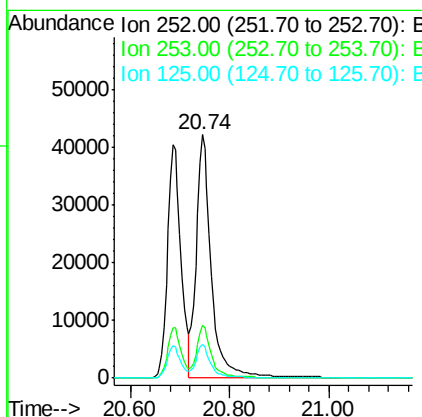
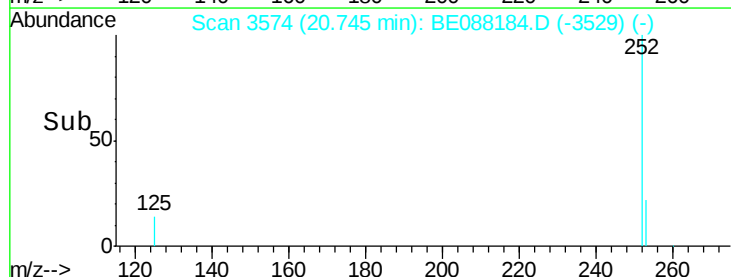
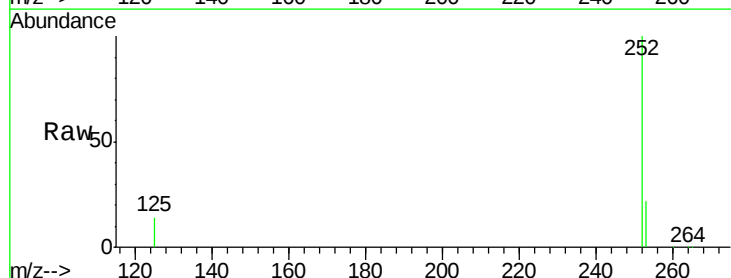
RT: 20.74 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	13.9	11.5	17.3





#25

Benzo(a)pyrene

Concen: 6.79 ng

RT: 21.33 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BE088184.D

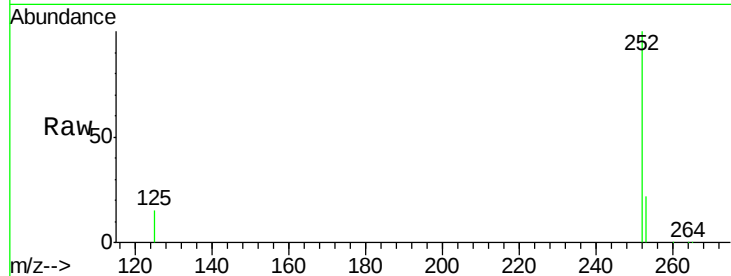
Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

ClientSampleId :

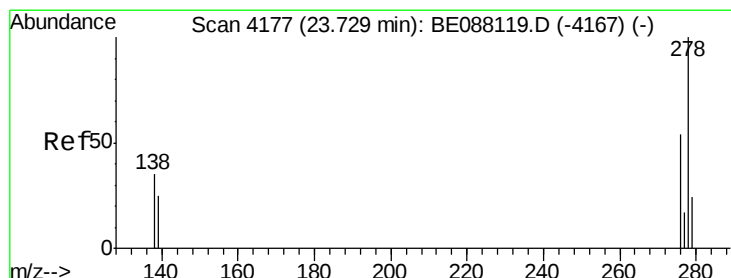
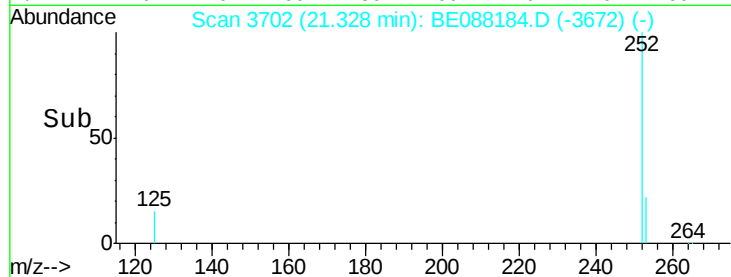
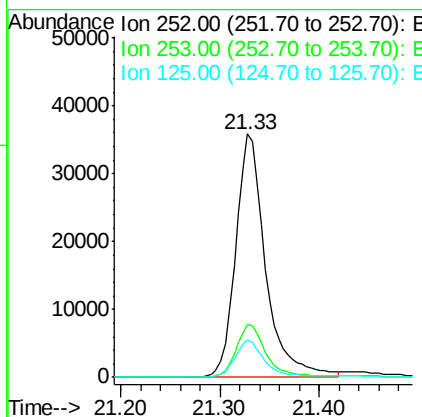
PB79729BS



Tgt Ion:	252	Resp:	74861
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	15.3	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 6.56 ng

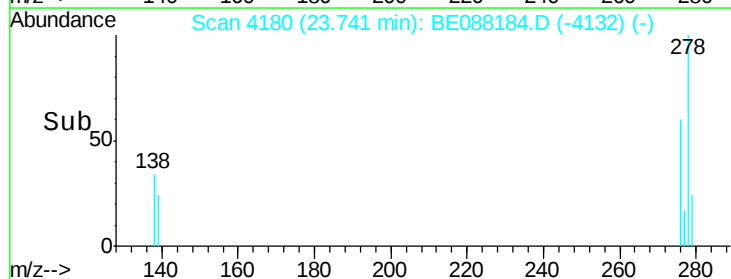
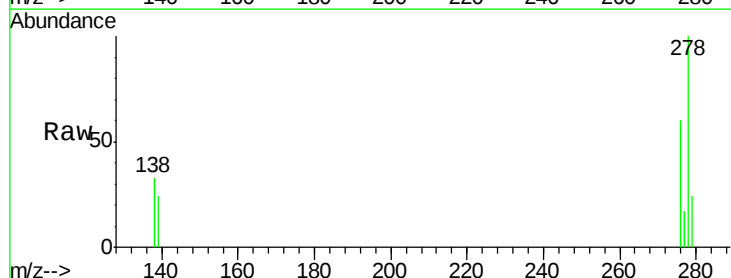
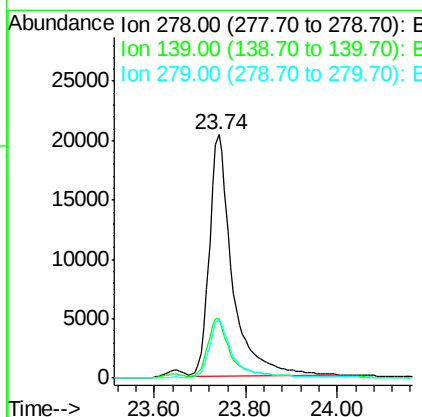
RT: 23.74 min Scan# 4180

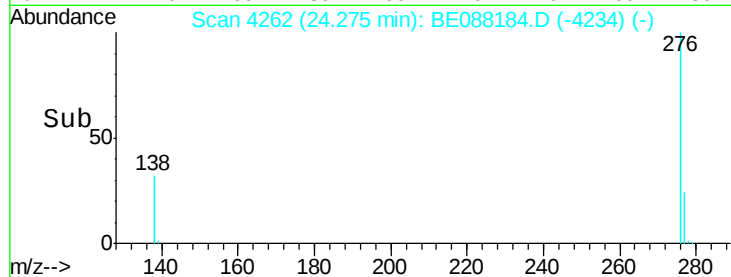
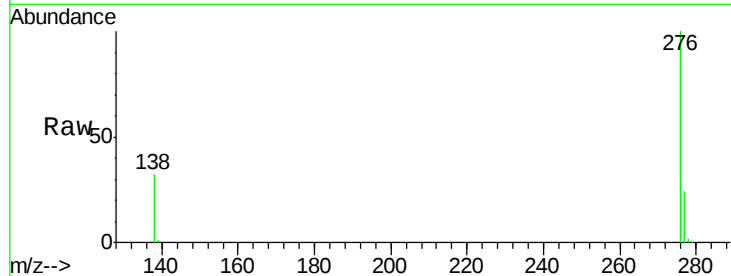
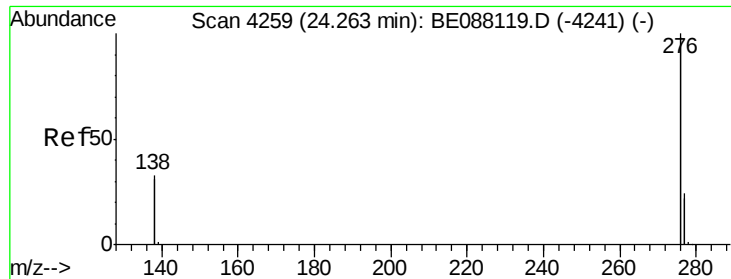
Delta R.T. 0.01 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Tgt Ion:	278	Resp:	70998
Ion Ratio	Lower	Upper	
278	100		
139	24.2	20.9	31.3
279	24.0	19.8	29.8





#27

Benzo(g,h,i)perylene

Concen: 6.80 ng

RT: 24.28 min Scan# 4262

Delta R.T. 0.01 min

Lab File: BE088184.D

Acq: 22 Oct 2014 16:36

Instrument :

BNA_E

ClientSampleId :

PB79729BS

Tgt	Ion	276	Resp	325345
	Ratio	Lower	Upper	
276	100			
277	23.7	19.2	28.8	
138	31.5	26.6	40.0	

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