

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088182.D
 Acq On : 22 Oct 2014 15:27
 Operator : TP/JJ
 Sample : PB79727BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79727BL

Manual Integrations
 APPROVED

mohammad
 10/28/2014 12:05:42 PM

Quant Time: Oct 27 04:21:25 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	28319	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	112845	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	58985	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	88184	5.00	ng	0.00
16) Chrysene-d12	18.39	240	59895	5.00	ng	0.00
22) Perylene-d12	21.45	264	55660	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	61167	7.52	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	109794	6.74	ng	0.00
18) Terphenyl-d14	16.15	244	80222	8.32	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	8655	0.37	ng	100
6) 2-Methylnaphthalene	9.58	142	10288	0.74	ng	96
9) Acenaphthylene	10.67	152	82622	0.92	ng	100
10) Acenaphthene	10.88	154	13370	0.96	ng	99
11) Fluorene	11.55	166	15478	1.05	ng	99
13) Phenanthrene	13.01	178	107349	1.49	ng	96
14) Anthracene	13.09	178	86429	1.26	ng	100
15) Fluoranthene	15.25	202	18095	1.08	ng	99
17) Pyrene	15.70	202	19026	1.17	ng	100
19) Benzo(a)anthracene	18.37	228	52326	0.98	ng	99
20) Chrysene	18.44	228	57693	1.10	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	54449m	0.94	ng	
23) Benzo(b)fluoranthene	20.69	252	11462	0.87	ng	99
24) Benzo(k)fluoranthene	20.74	252	13789	0.97	ng	100
25) Benzo(a)pyrene	21.33	252	11258	0.92	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	10703	0.89	ng	100
27) Benzo(g,h,i)perylene	24.27	276	50649	0.96	ng	98

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

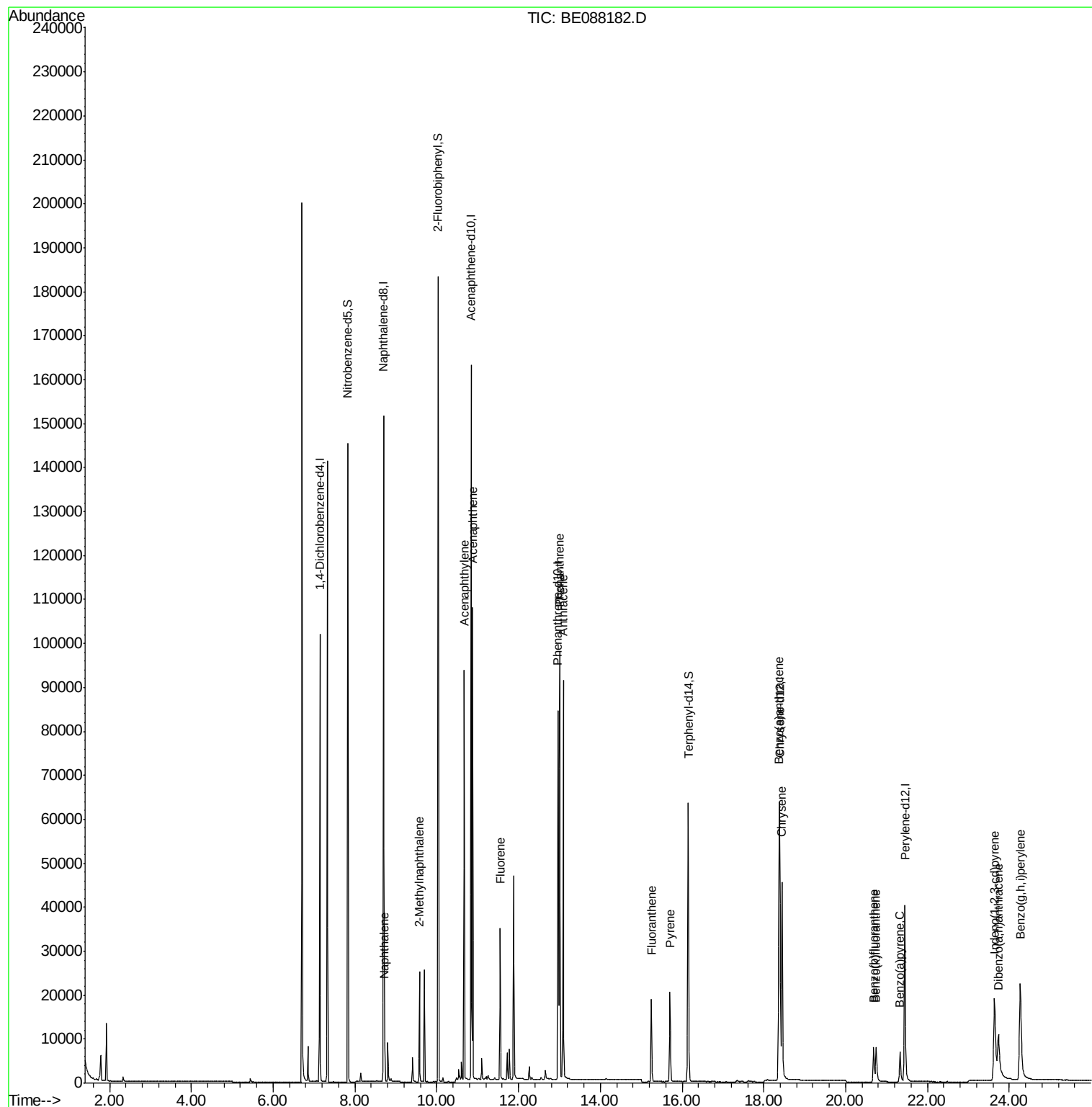
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
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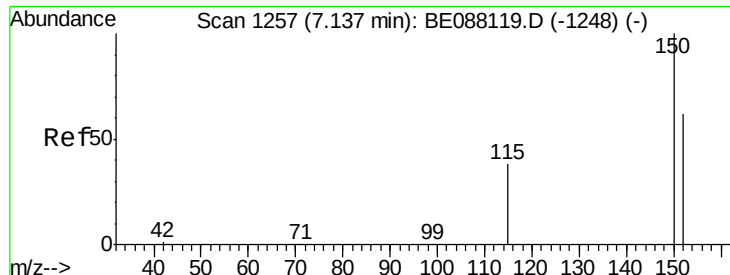
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088182.D

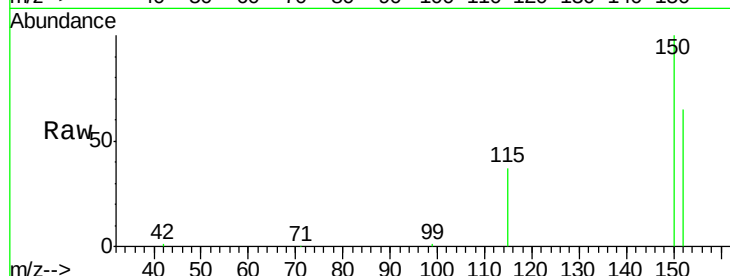
Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

PB79727BL



Tgt Ion:152 Resp: 28319

Ion Ratio Lower Upper

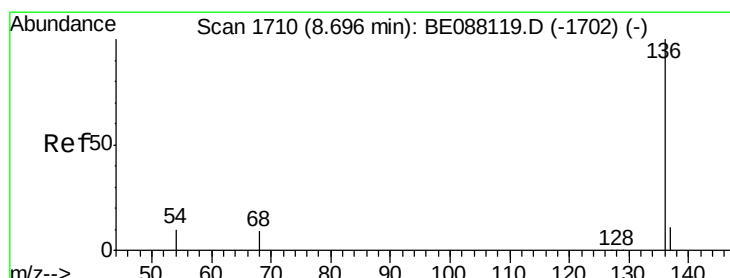
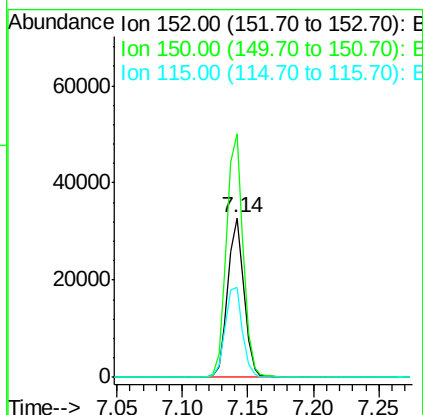
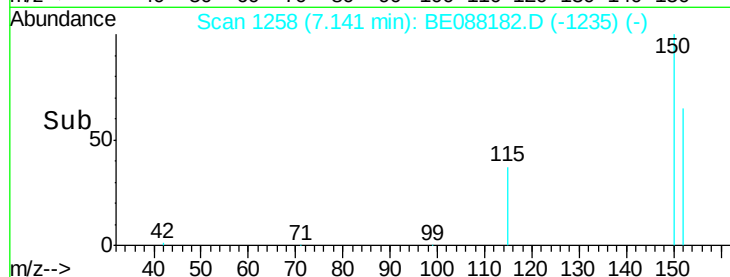
152 100

150 152.7 129.2 193.8

115 56.1 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

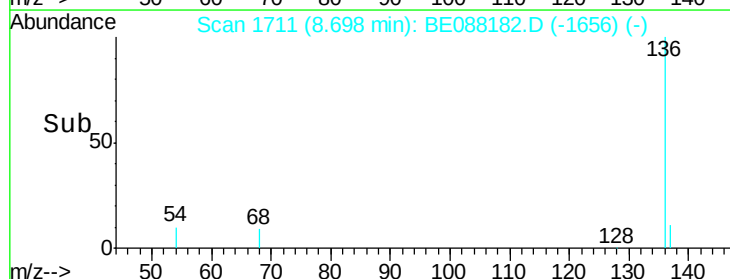
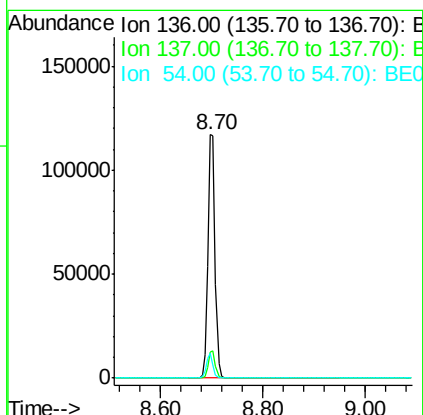
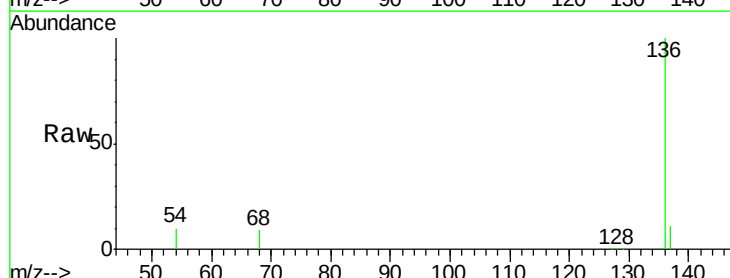
Tgt Ion:136 Resp: 112845

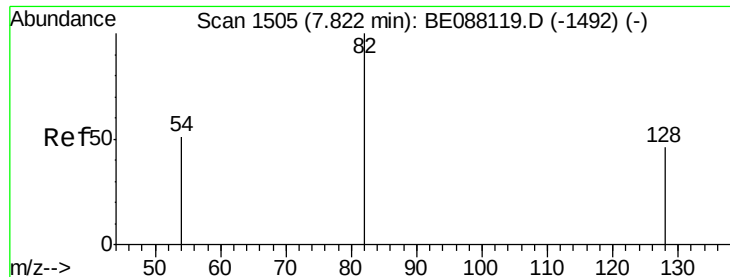
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 10.0 7.7 11.5





#4

Nitrobenzene-d5

Concen: 7.52 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088182.D

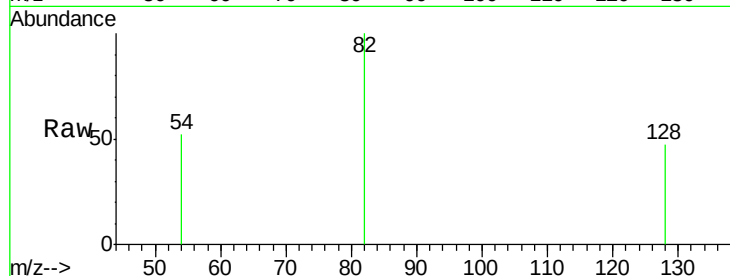
Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

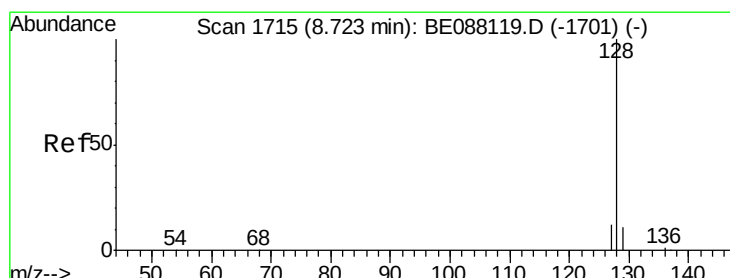
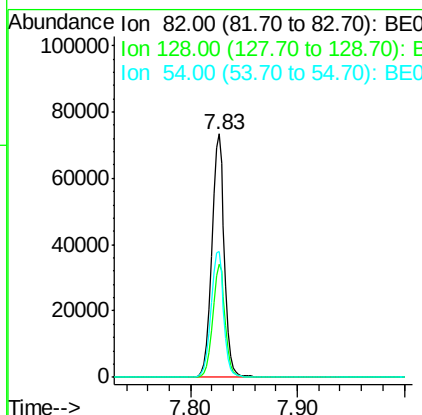
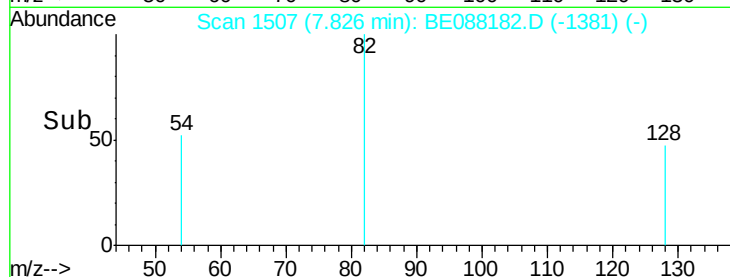
PB79727BL



Tgt Ion:	82	Resp:	61167
Ion Ratio	Lower	Upper	
82	100		
128	46.7	37.1	55.7
54	51.7	41.1	61.7

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#5

Naphthalene

Concen: 0.37 ng

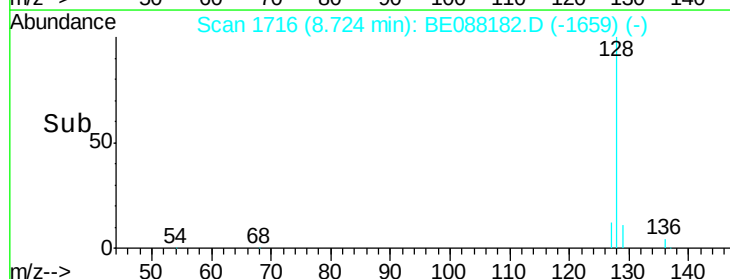
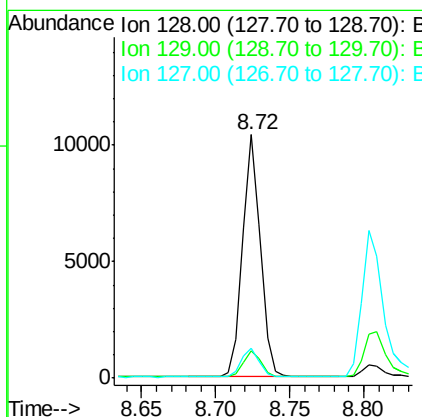
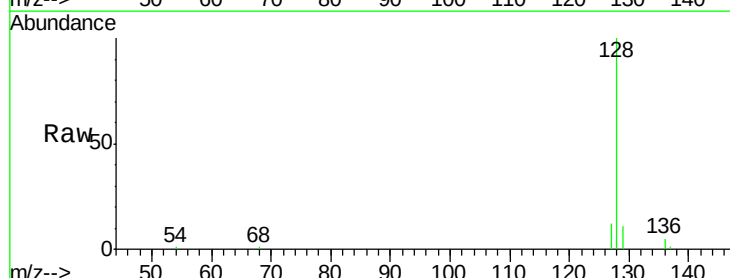
RT: 8.72 min Scan# 1716

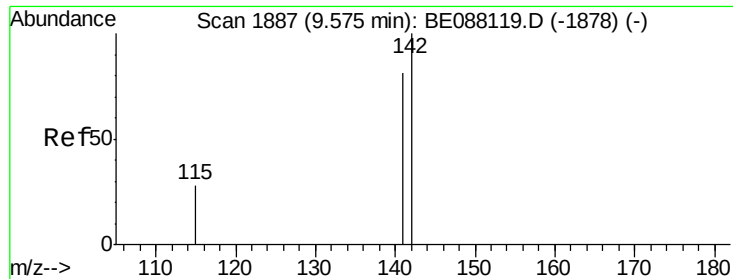
Delta R.T. 0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

Tgt Ion:	128	Resp:	8655
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.9	13.3
127	12.1	9.7	14.5





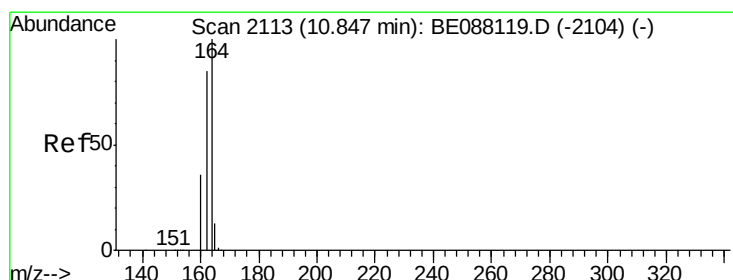
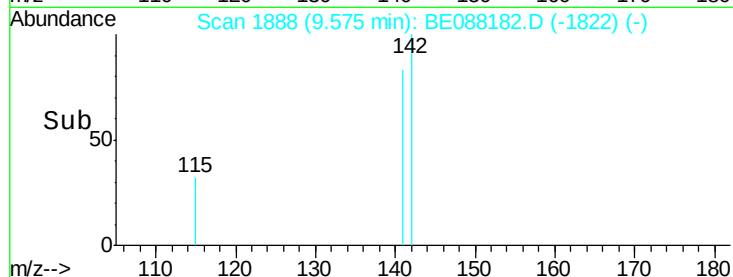
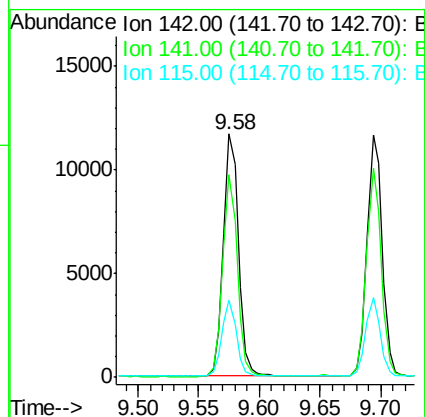
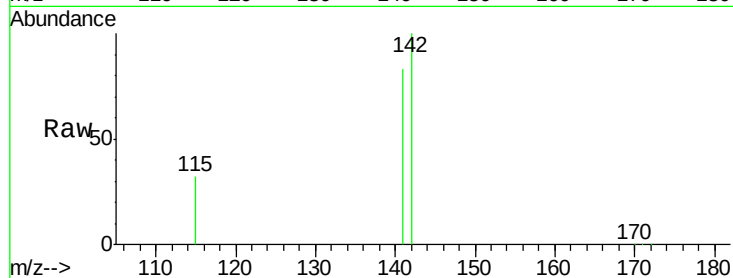
#6
2-Methylnaphthalene
Concen: 0.74 ng
RT: 9.58 min Scan# 1888
Delta R.T. 0.00 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
PB79727BL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	10288		
141	83.3	64.6	97.0	
115	31.9	22.6	34.0	

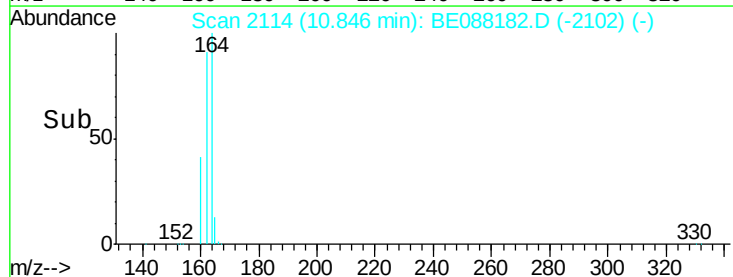
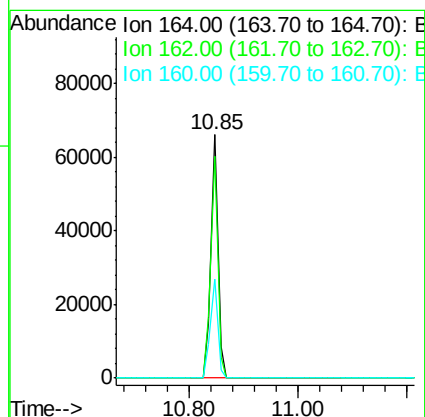
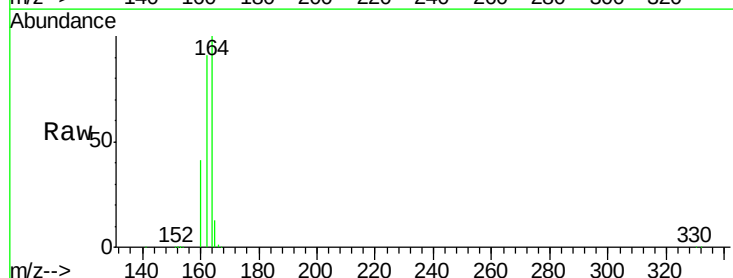
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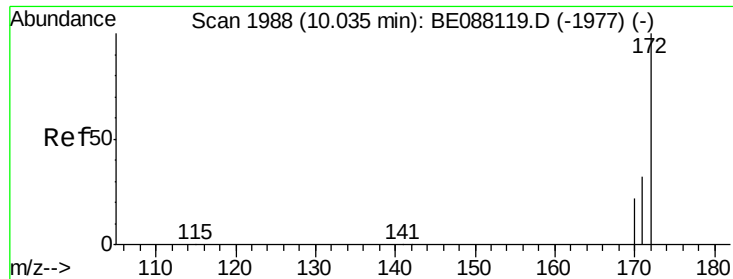
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#7
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.85 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58985		
162	90.9	68.3	102.5	
160	40.9	28.7	43.1	





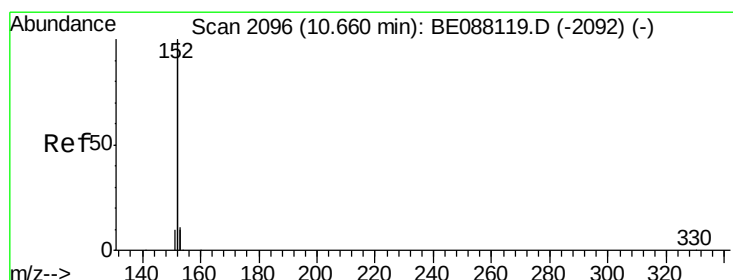
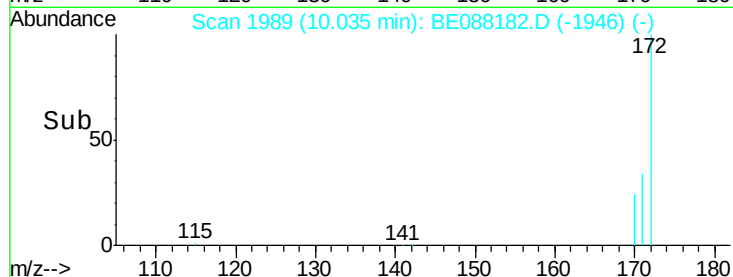
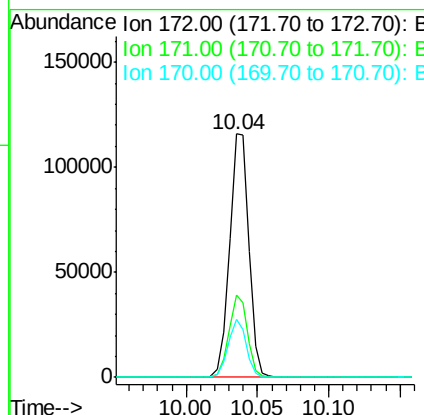
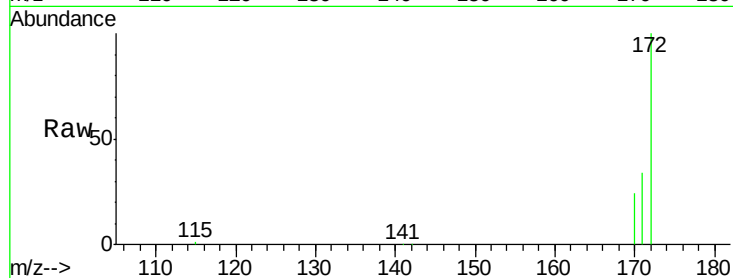
#8
2-Fluorobiphenyl
Concen: 6.74 ng
RT: 10.04 min Scan# 1989
Delta R.T. 0.00 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
PB79727BL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	109794		
171	33.7	25.4	38.2	
170	23.8	17.4	26.2	

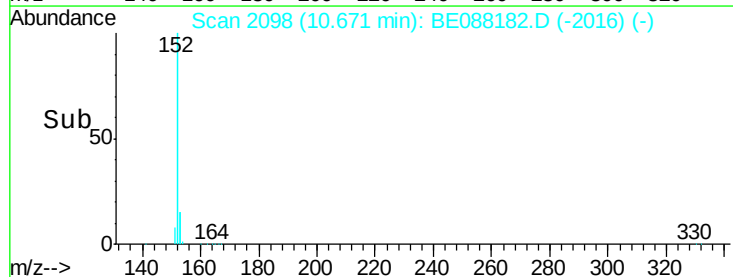
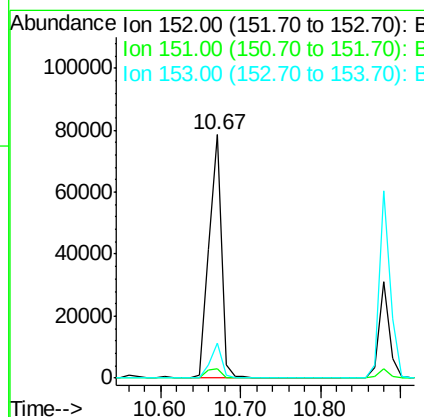
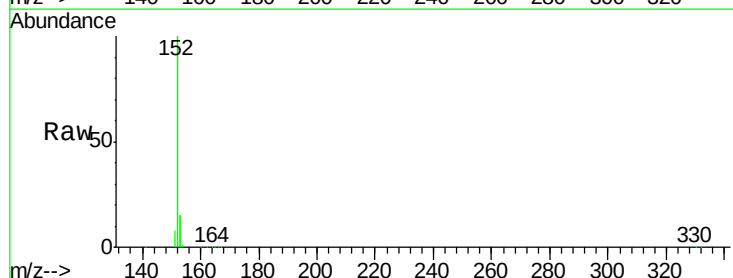
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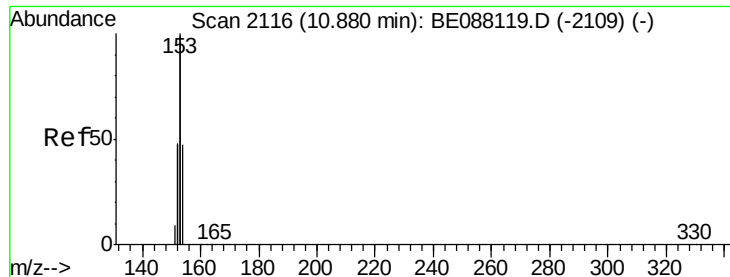
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#9
Acenaphthylene
Concen: 0.92 ng
RT: 10.67 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	82622		
151	4.6	3.7	5.5	
153	13.1	10.4	15.6	





#10

Acenaphthene

Concen: 0.96 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088182.D

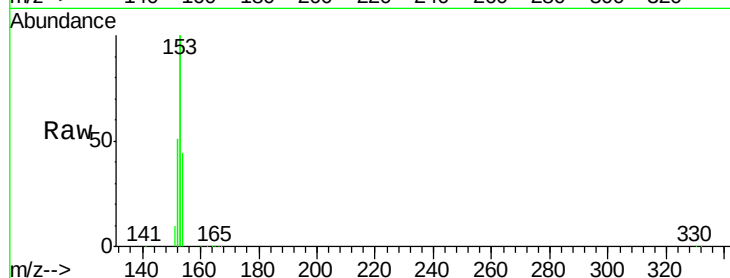
Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

PB79727BL



Tgt Ion:154 Resp: 13370

Ion Ratio Lower Upper

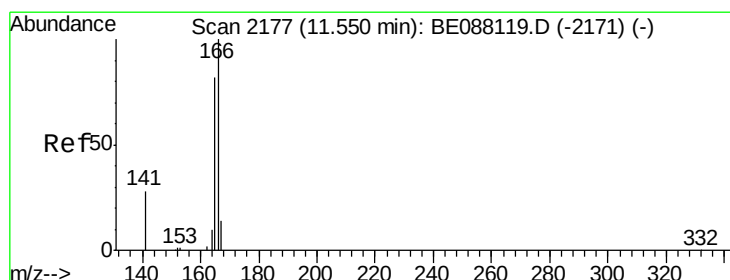
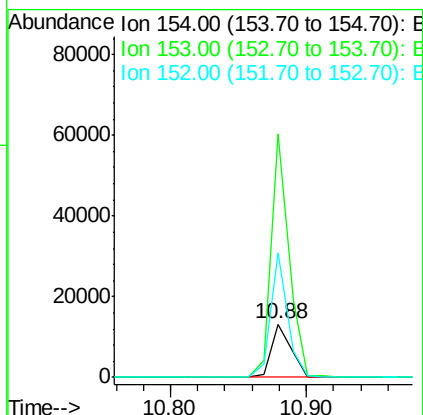
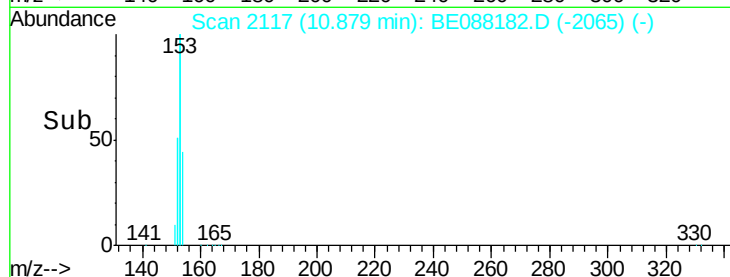
154 100

153 412.0 327.8 491.6

152 199.7 157.6 236.4

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#11

Fluorene

Concen: 1.05 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

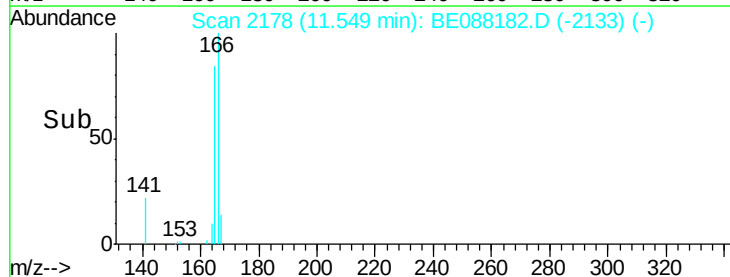
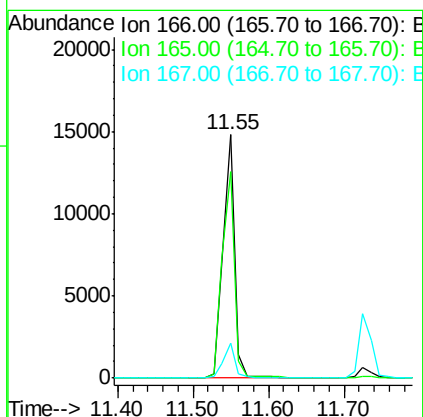
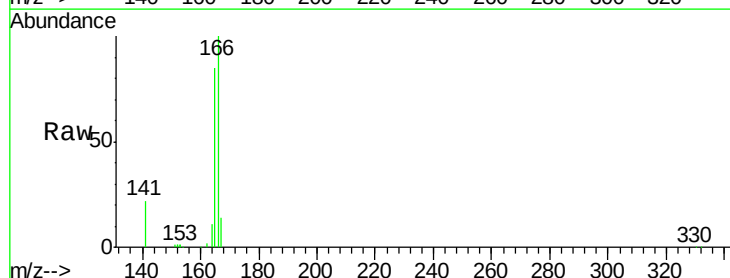
Tgt Ion:166 Resp: 15478

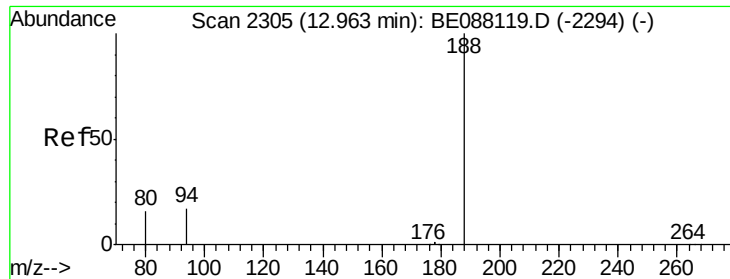
Ion Ratio Lower Upper

166 100

165 90.0 71.4 107.2

167 13.6 10.6 16.0





#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.97 min Scan# 2307

Delta R.T. 0.01 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

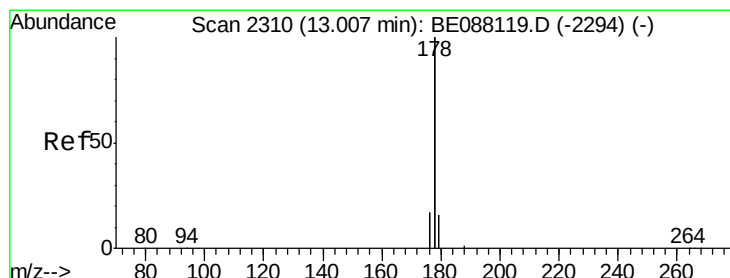
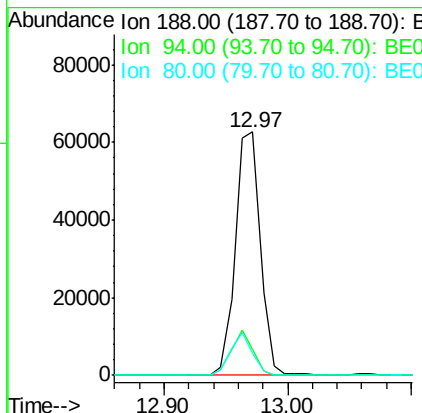
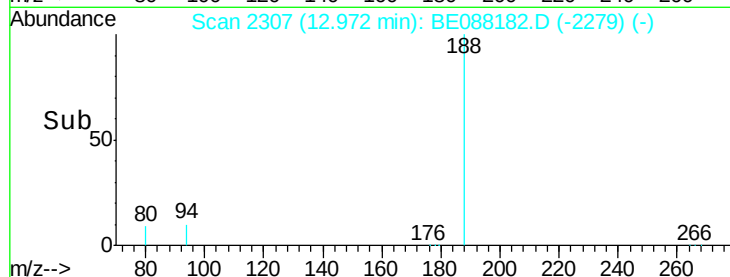
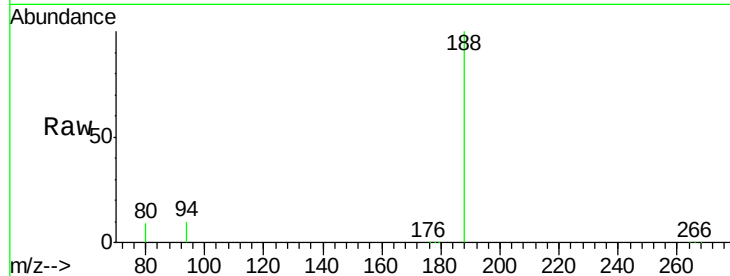
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	13.9	20.9#
80	9.1	12.9	19.3#



#13

Phenanthrene

Concen: 1.49 ng

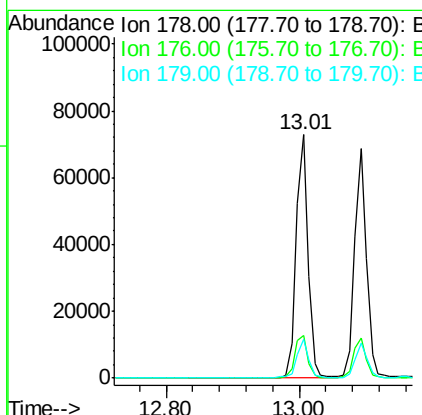
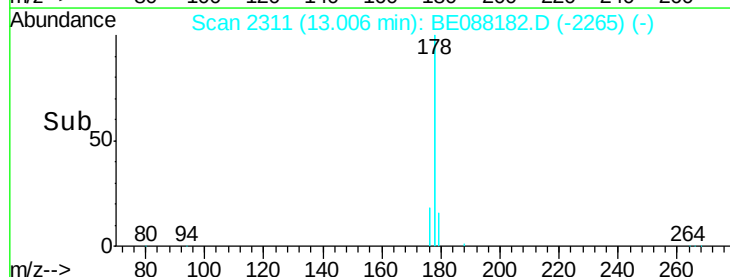
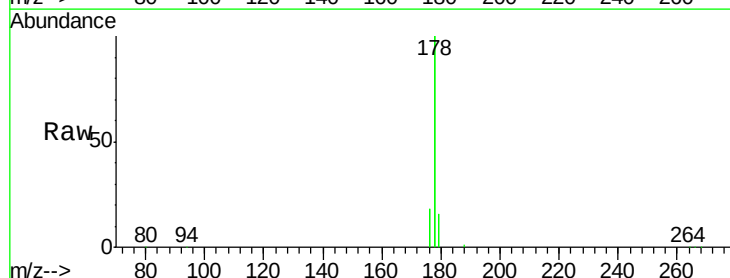
RT: 13.01 min Scan# 2311

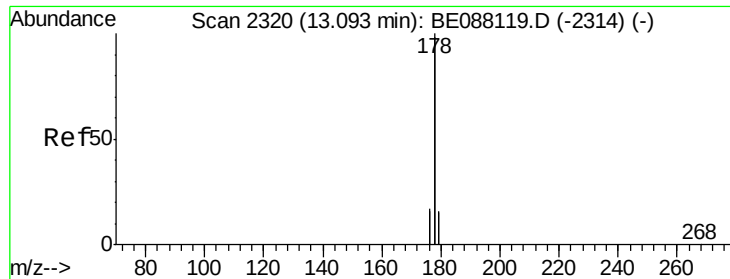
Delta R.T. 0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.9	12.5	18.7
179	13.6	13.5	20.3





#14

Anthracene

Concen: 1.26 ng

RT: 13.09 min Scan# 2321

Delta R.T. -0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

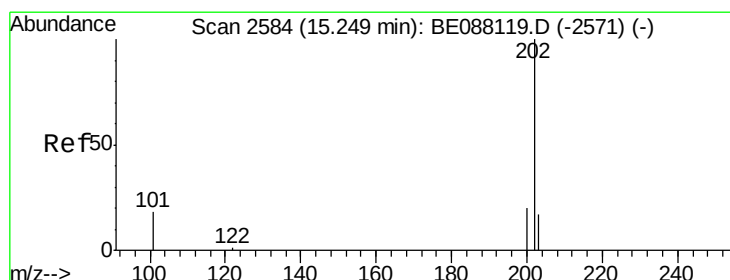
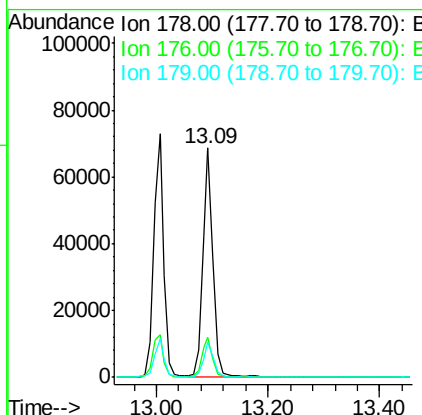
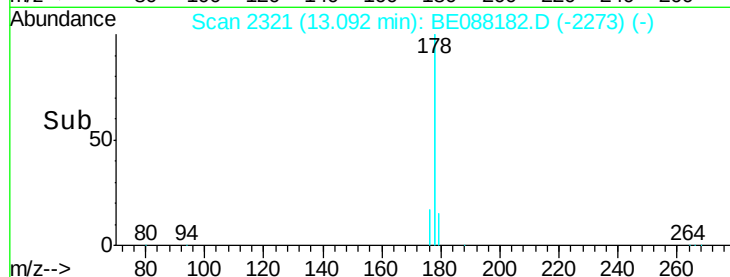
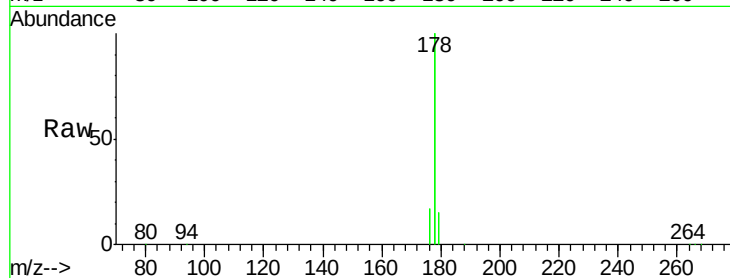
ClientSampleId :

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Tgt Ion:	178	Resp:	86429
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	15.2	12.5	18.7



#15

Fluoranthene

Concen: 1.08 ng

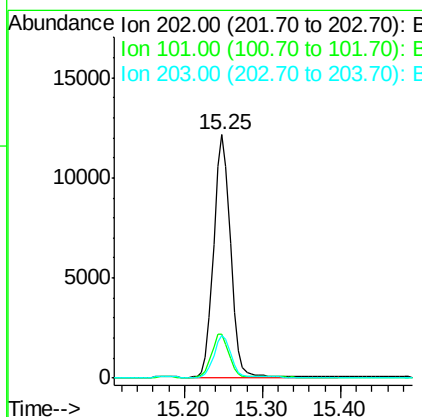
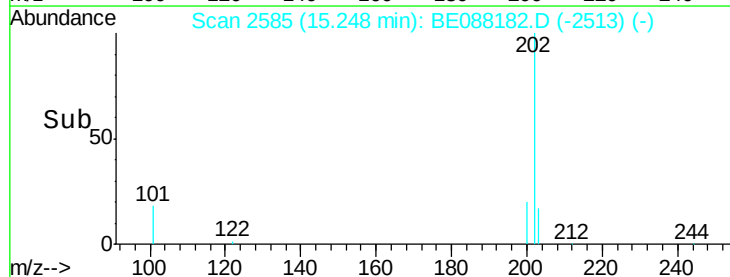
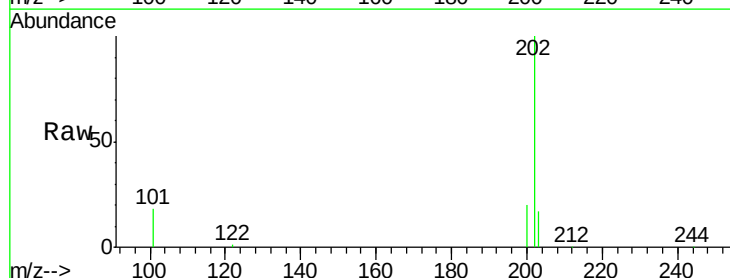
RT: 15.25 min Scan# 2585

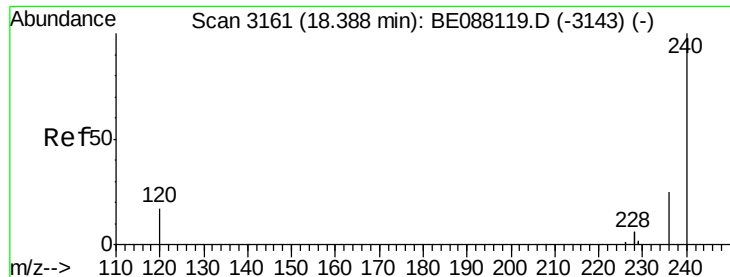
Delta R.T. -0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

Tgt Ion:	202	Resp:	18095
Ion Ratio	Lower	Upper	
202	100		
101	18.2	14.8	22.2
203	17.1	13.5	20.3





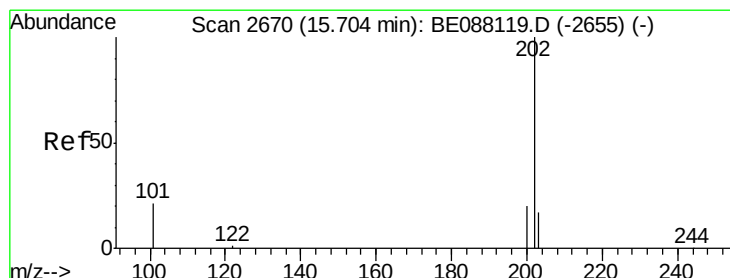
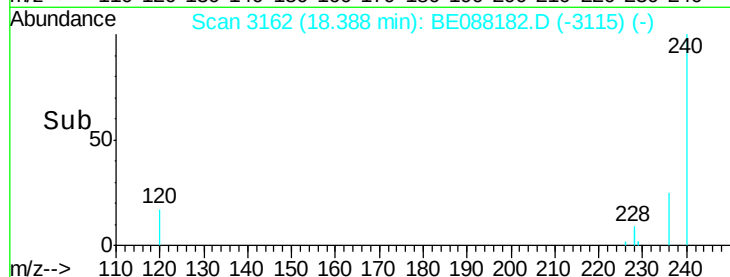
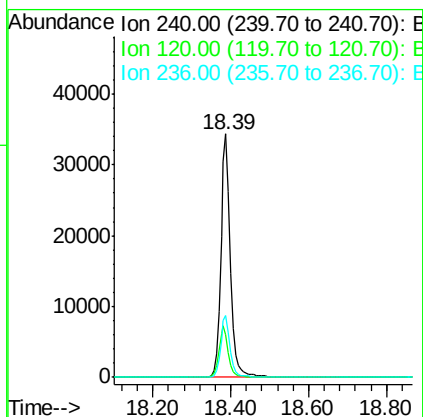
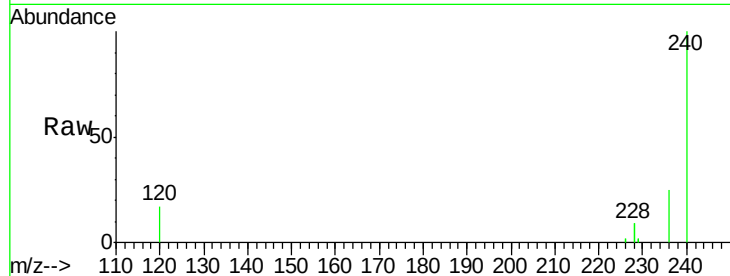
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
PB79727BL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.3	13.9	20.9
236	25.4	19.9	29.9

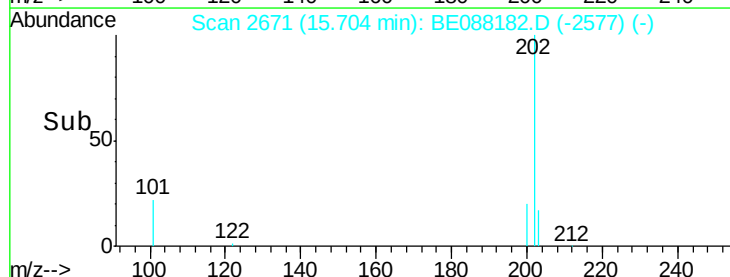
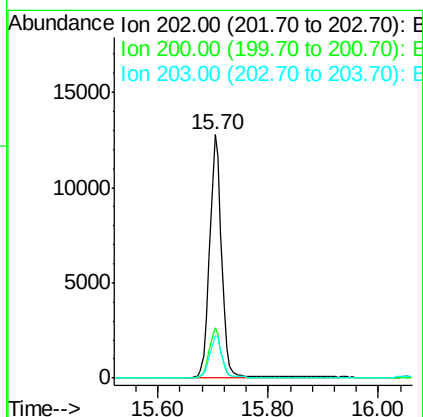
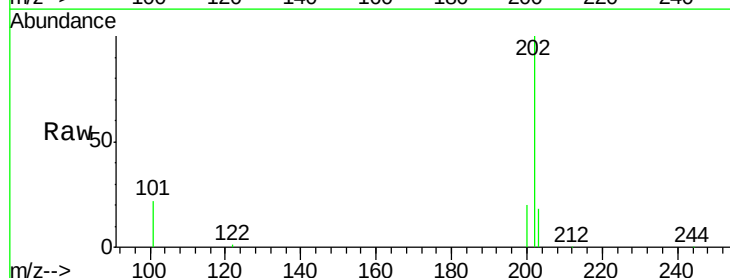
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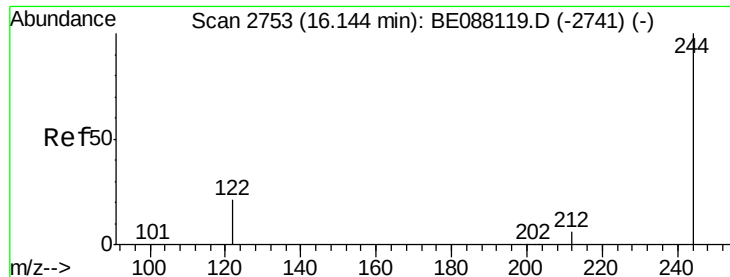
mohammad
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#17
Pyrene
Concen: 1.17 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.7	13.9	20.9





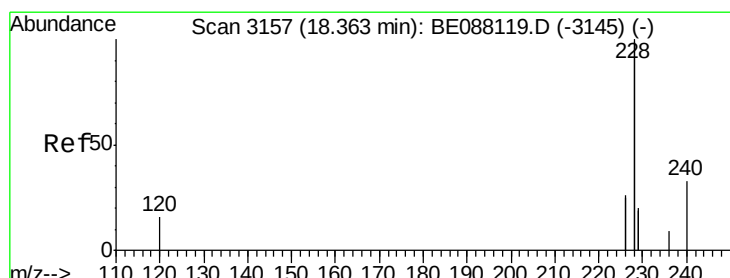
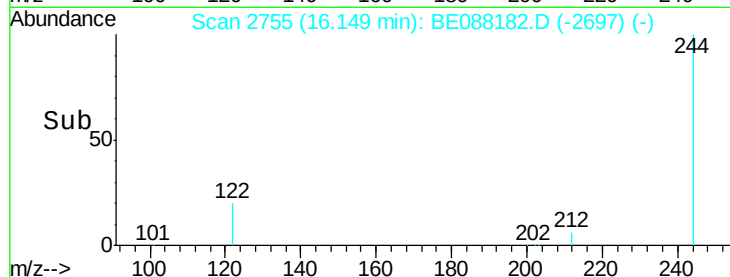
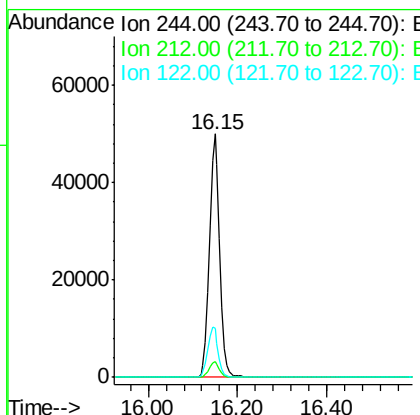
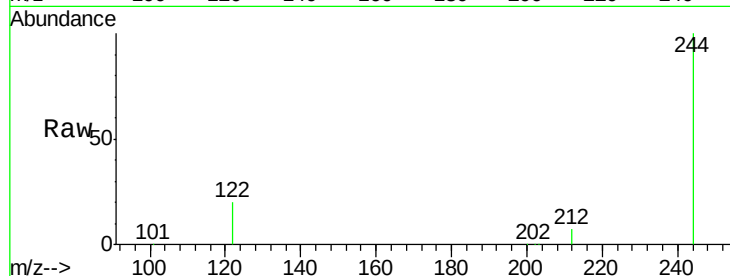
#18
 Terphenyl-d14
 Concen: 8.32 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088182.D
 Acq: 22 Oct 2014 15:27

Instrument :
 BNA_E
 ClientSampleId :
 PB79727BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	20.0	17.5	26.3

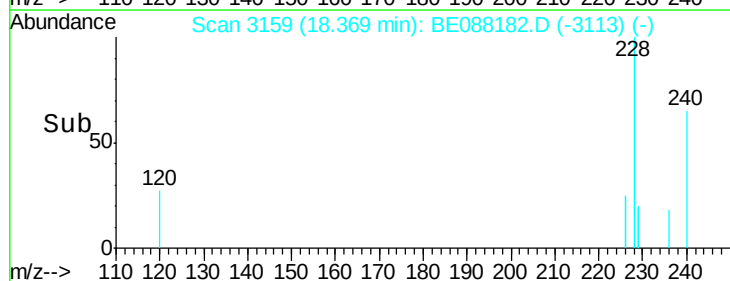
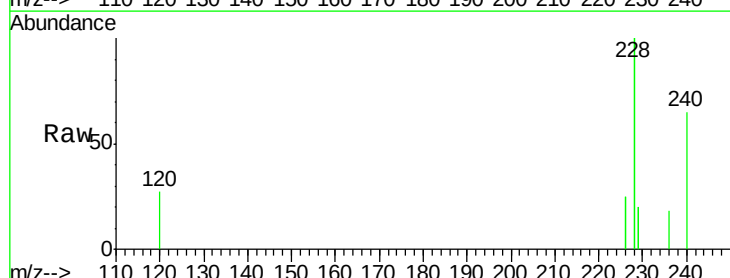
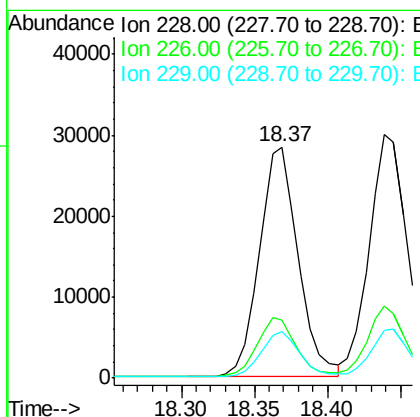
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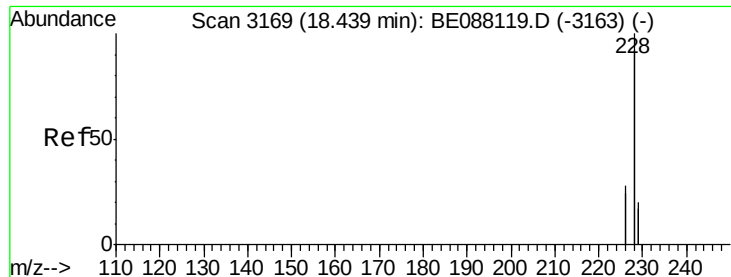
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#19
 Benzo(a)anthracene
 Concen: 0.98 ng
 RT: 18.37 min Scan# 3159
 Delta R.T. 0.01 min
 Lab File: BE088182.D
 Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.3	20.8	31.2
229	20.2	15.6	23.4





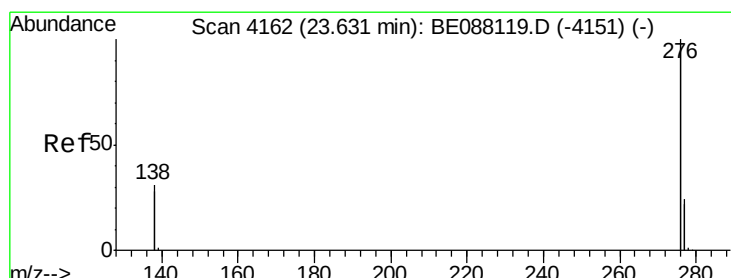
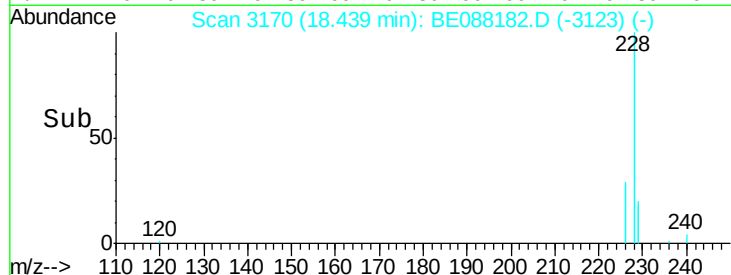
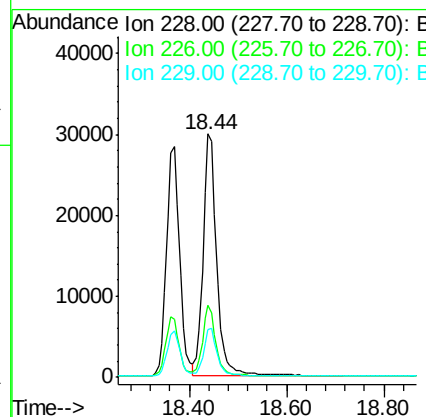
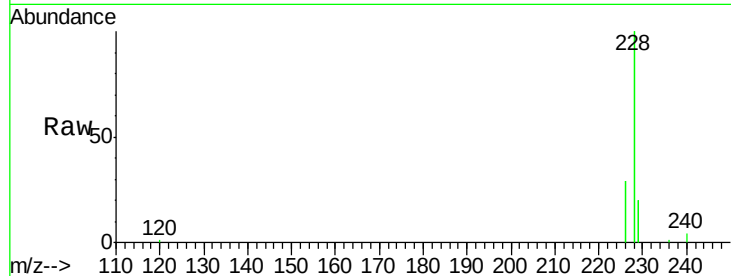
#20
Chrysene
Concen: 1.10 ng
RT: 18.44 min Scan# 3170
Delta R.T. -0.00 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
PB79727BL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.7	34.1
229	19.5	15.8	23.6

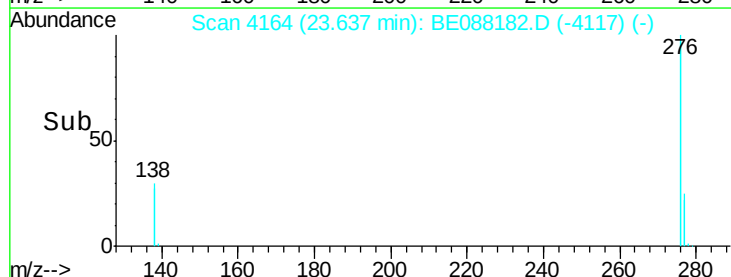
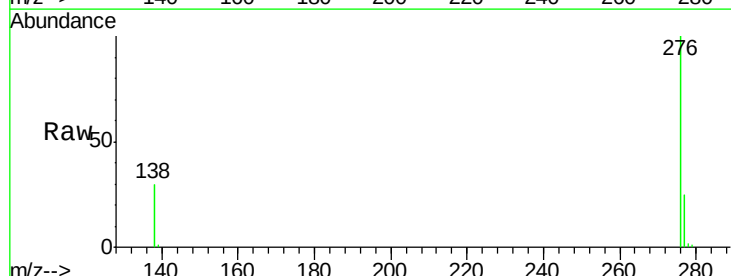
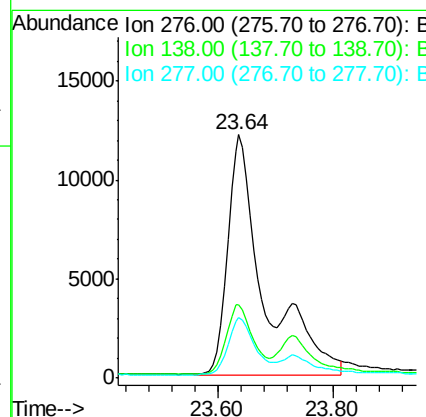
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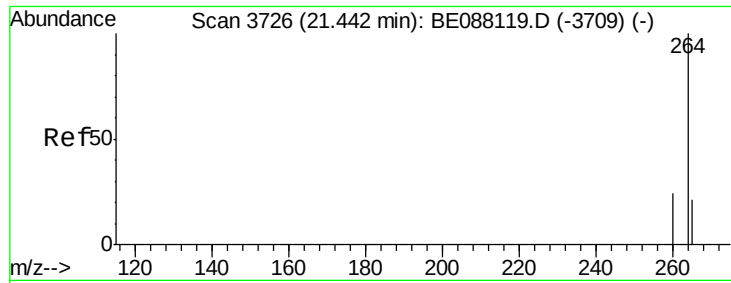
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#21
Indeno(1,2,3-cd)pyrene
Concen: 0.94 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.5	27.7
277	17.1	14.6	21.8





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.45 min Scan# 3728

Delta R.T. 0.00 min

Lab File: BE088182.D

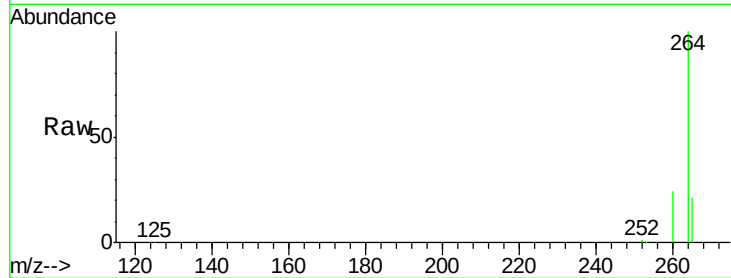
Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

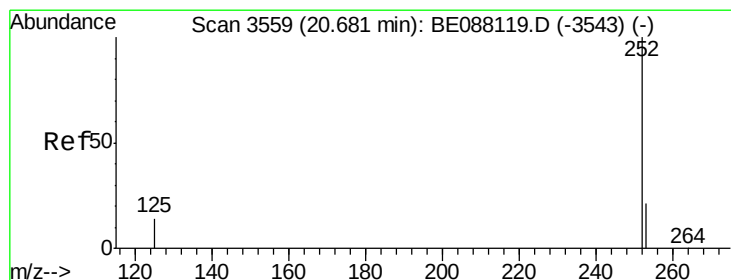
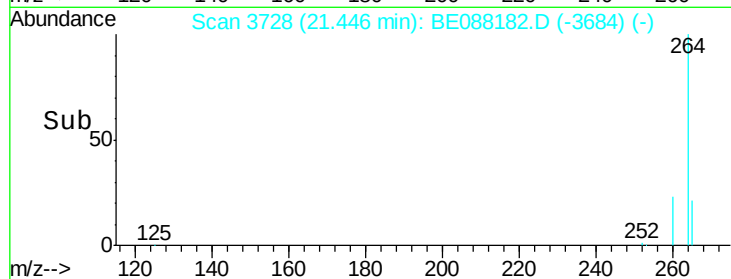
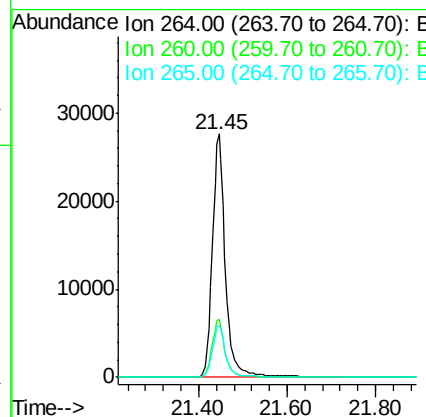
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Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.4	17.2	25.8

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#23

Benzo(b)fluoranthene

Concen: 0.87 ng

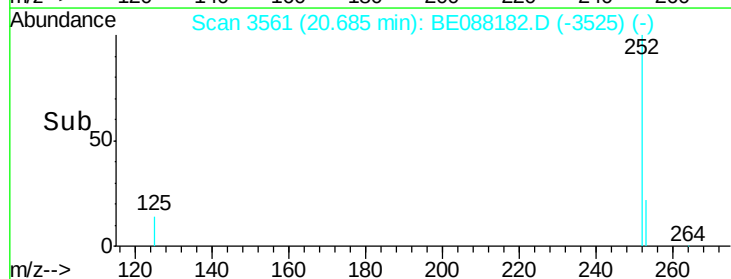
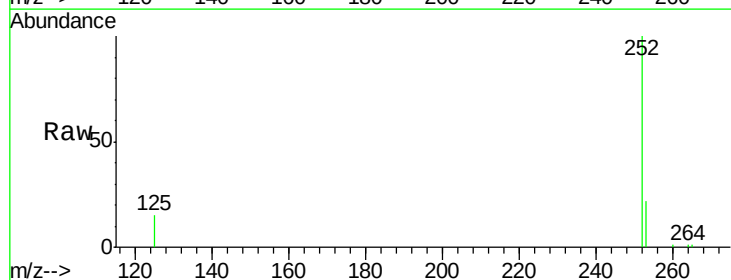
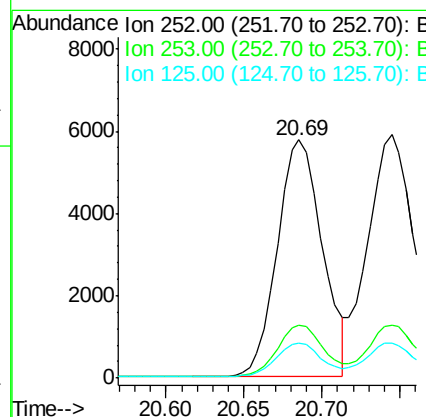
RT: 20.69 min Scan# 3561

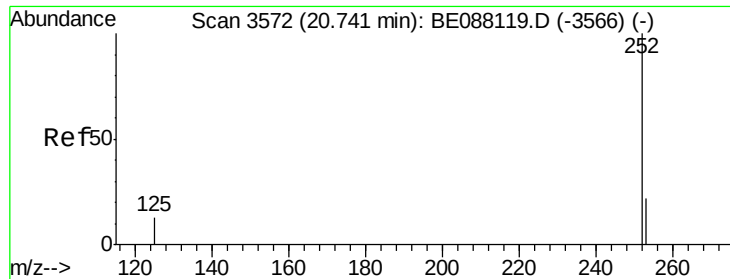
Delta R.T. 0.00 min

Lab File: BE088182.D

Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	14.7	11.8	17.8





#24

Benzo(k)fluoranthene

Concen: 0.97 ng

RT: 20.74 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BE088182.D

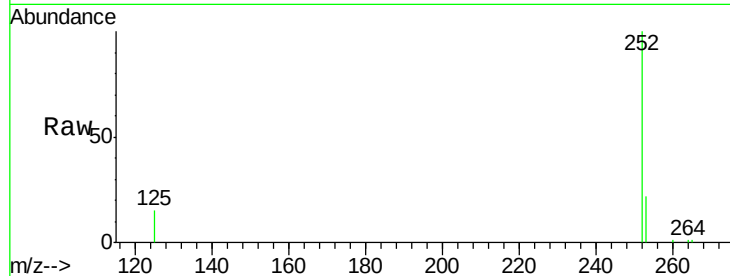
Acq: 22 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

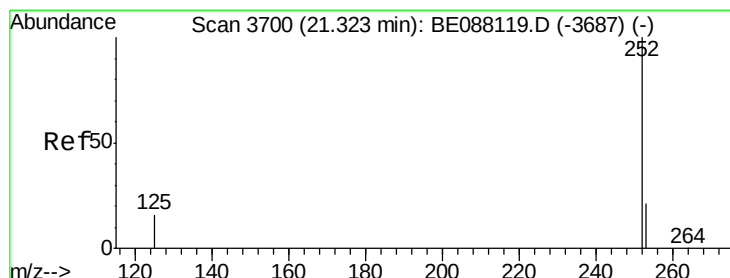
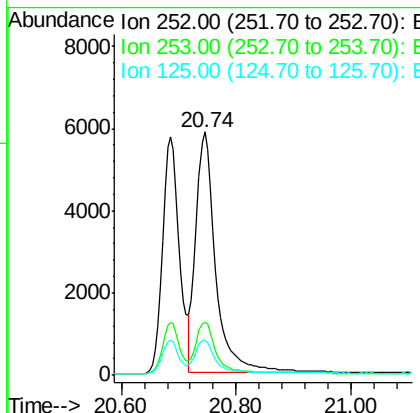
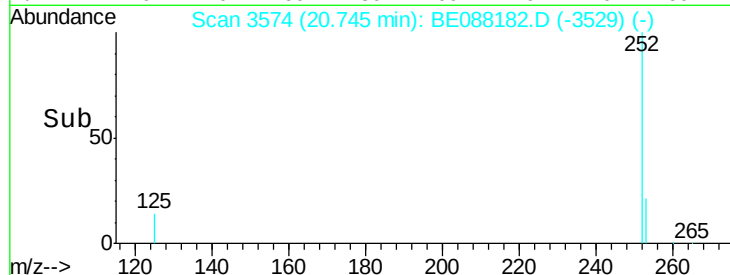
PB79727BL



Tgt Ion:	252	Resp:	13789
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.6	26.4
125	14.5	11.5	17.3

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#25

Benzo(a)pyrene

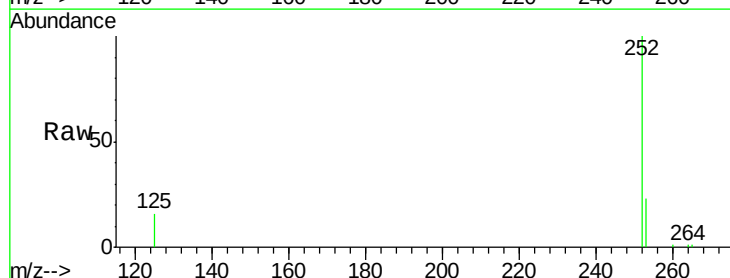
Concen: 0.92 ng

RT: 21.33 min Scan# 3702

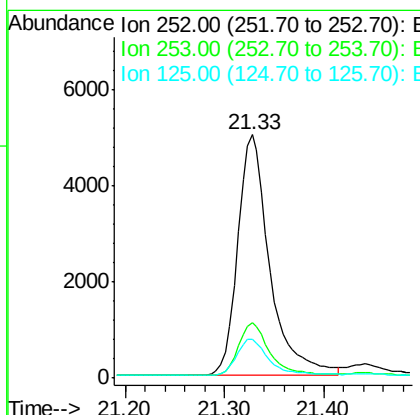
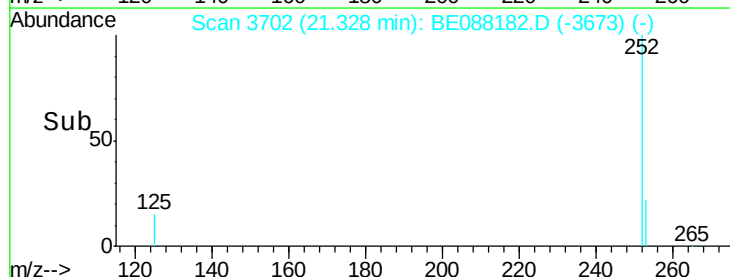
Delta R.T. 0.00 min

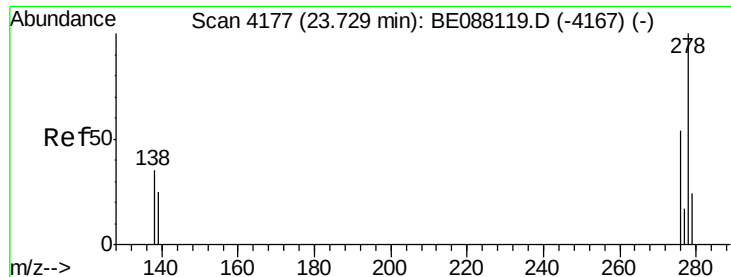
Lab File: BE088182.D

Acq: 22 Oct 2014 15:27



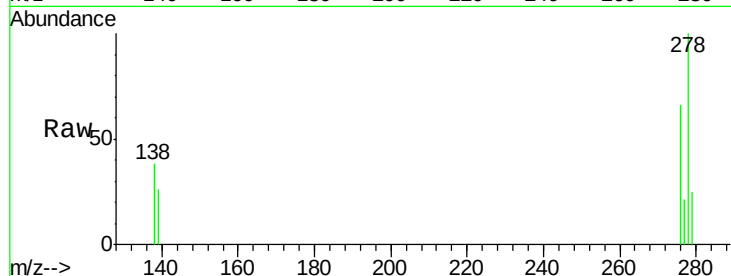
Tgt Ion:	252	Resp:	11258
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	16.0	13.0	19.6





#26
Dibenzo(a,h)anthracene
Concen: 0.89 ng
RT: 23.74 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

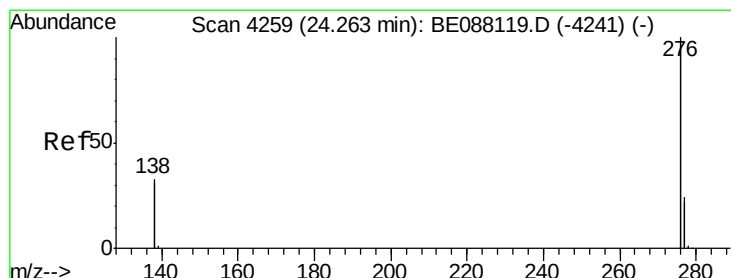
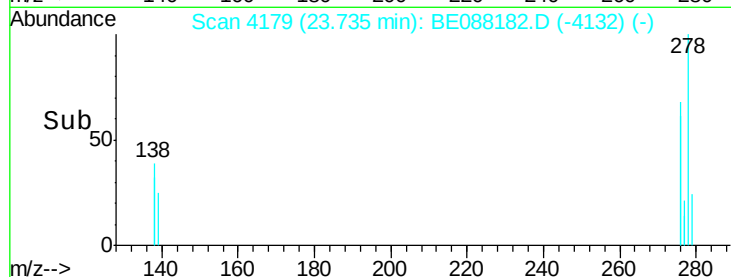
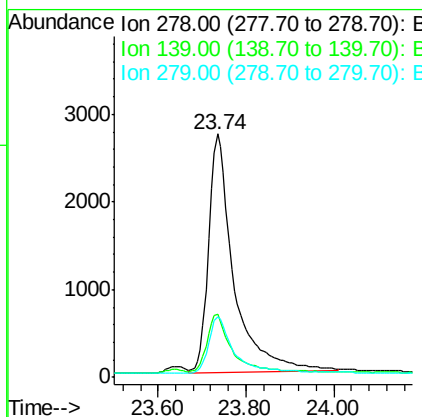
Instrument :
BNA_E
ClientSampleId :
PB79727BL



Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.1	20.9	31.3
279	24.9	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 0.96 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088182.D
Acq: 22 Oct 2014 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	31.7	26.6	40.0

