

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088192.D
 Acq On : 22 Oct 2014 21:04
 Operator : TP/JJ
 Sample : F4325-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB07-1014

Manual Integrations
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mohammad
 10/28/2014 12:07:04 PM

Quant Time: Oct 27 04:39:01 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	17572	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	68034	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	37923	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	68935	5.00	ng	0.00
16) Chrysene-d12	18.38	240	34230	5.00	ng	0.00
22) Perylene-d12	21.44	264	32289	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.84	82	448979	91.55	ng	0.02
8) 2-Fluorobiphenyl	10.04	172	544210	51.95	ng	0.00
18) Terphenyl-d14	16.16	244	414699	75.29	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.72	128	10300	0.73	ng	99
6) 2-Methylnaphthalene	9.58	142	10995	1.31	ng	97
9) Acenaphthylene	10.67	152	75789	1.31	ng	99
10) Acenaphthene	10.88	154	11690	1.31	ng	99
11) Fluorene	11.55	166	13824	1.46	ng	99
13) Phenanthrene	13.01	178	83548m	1.49	ng	
14) Anthracene	13.09	178	79772	1.48	ng	99
15) Fluoranthene	15.25	202	18720	1.43	ng	99
17) Pyrene	15.70	202	18614	2.00	ng	99
19) Benzo(a)anthracene	18.36	228	49845	1.64	ng	100
20) Chrysene	18.44	228	50256	1.68	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	55854m	1.68	ng	
23) Benzo(b)fluoranthene	20.69	252	11920	1.55	ng	99
24) Benzo(k)fluoranthene	20.74	252	12931	1.57	ng	98
25) Benzo(a)pyrene	21.32	252	11477	1.62	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	10519	1.51	ng	99
27) Benzo(g,h,i)perylene	24.27	276	49728	1.62	ng	100

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

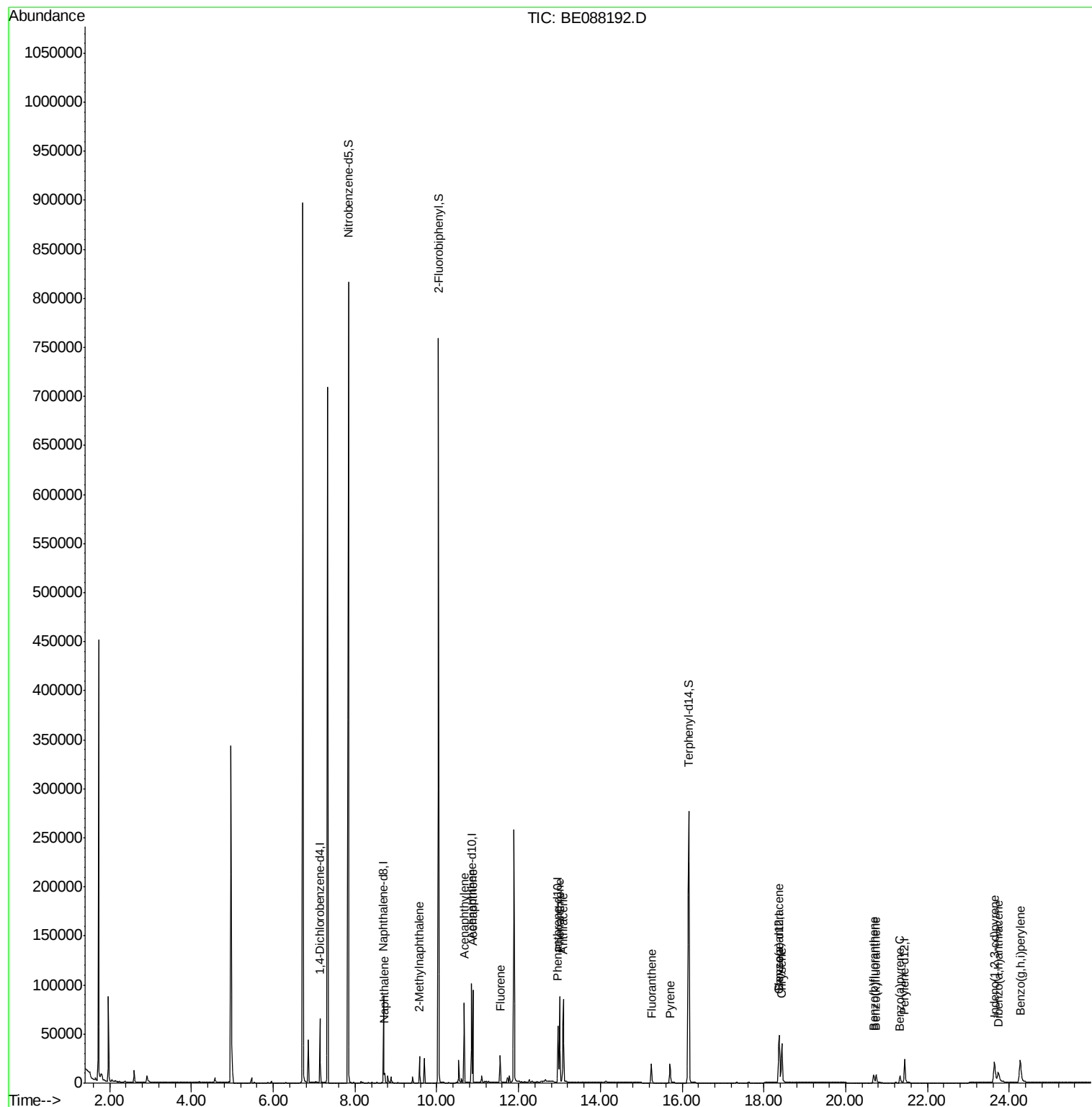
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088192.D
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Sample : F4325-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

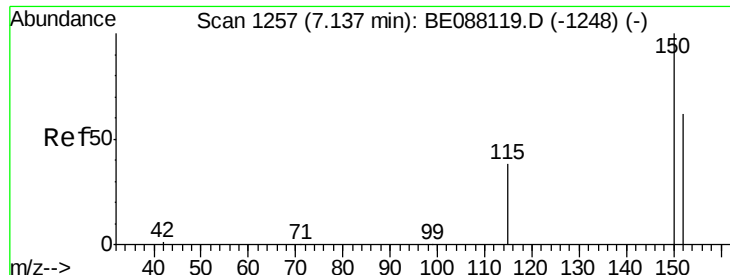
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088192.D

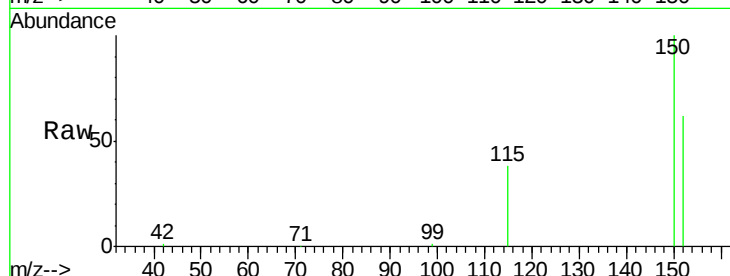
Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

ClientSampleId :

YS19-SB07-1014



Tgt Ion:152 Resp: 17572

Ion Ratio Lower Upper

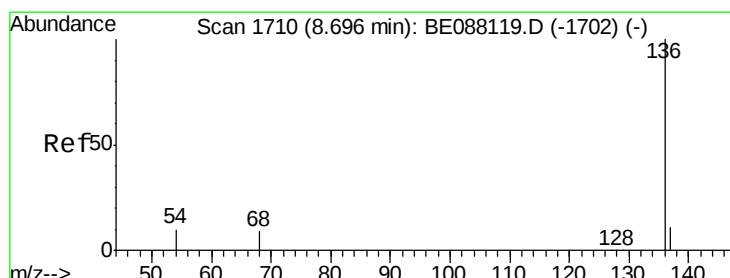
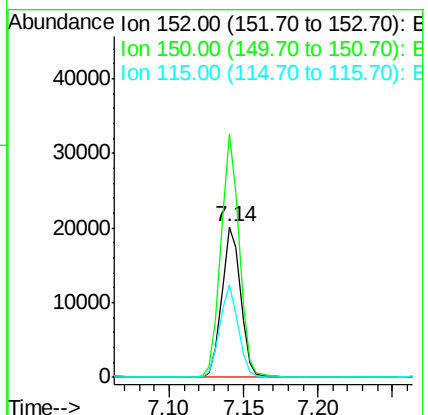
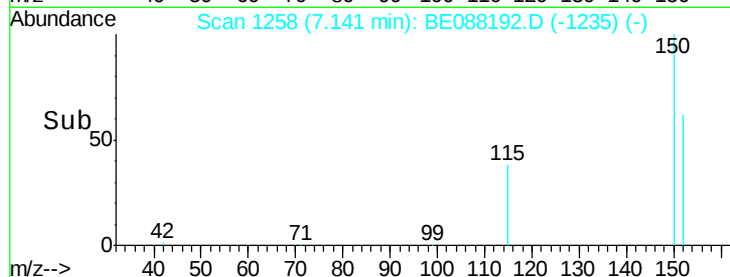
152 100

150 161.5 129.2 193.8

115 61.2 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

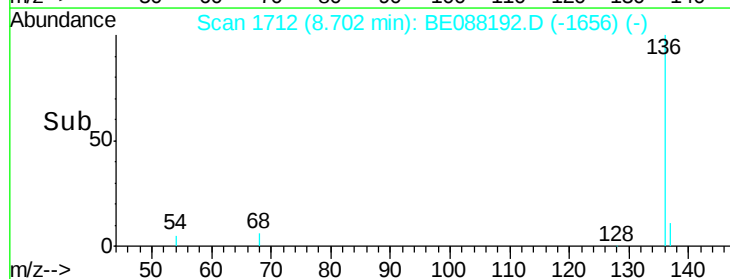
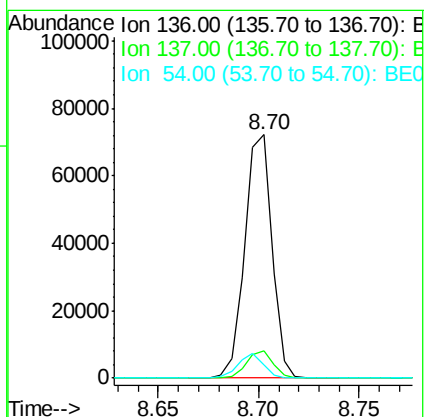
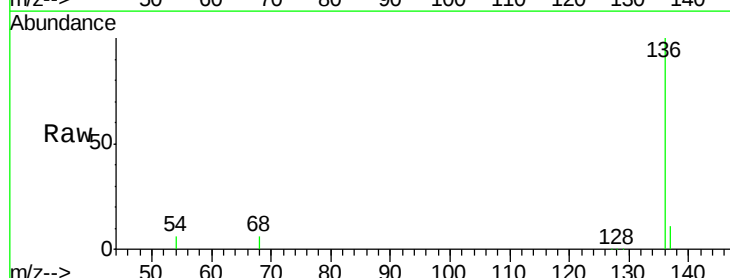
Tgt Ion:136 Resp: 68034

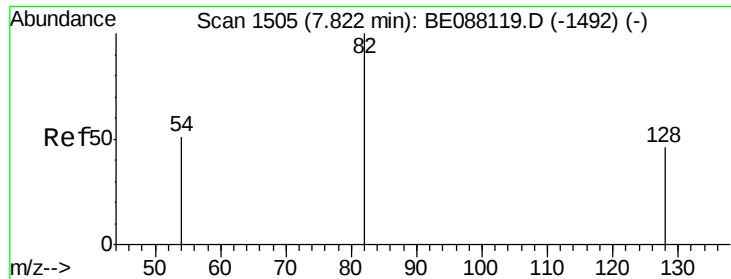
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 5.7 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 91.55 ng

RT: 7.84 min Scan# 1512

Delta R.T. 0.02 min

Lab File: BE088192.D

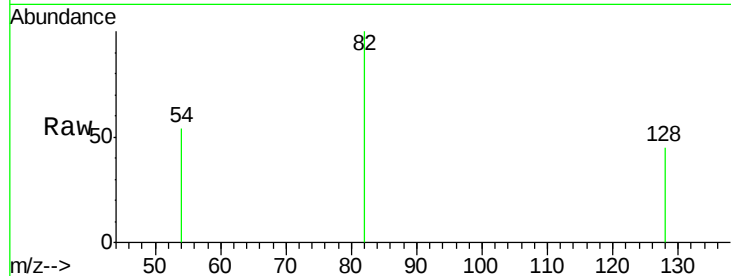
Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

ClientSampleId :

YS19-SB07-1014



Tgt Ion: 82 Resp: 448979

Ion Ratio Lower Upper

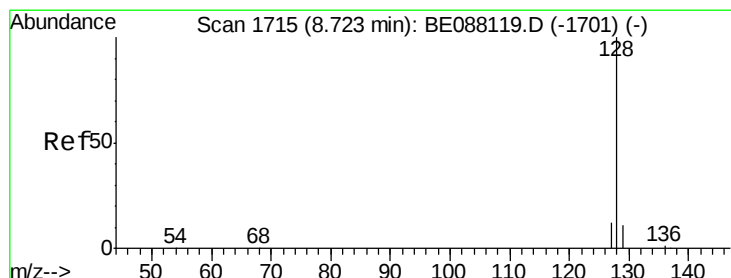
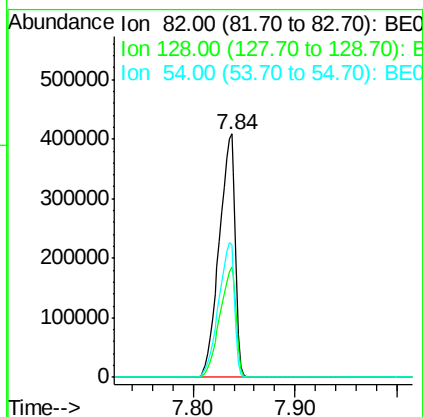
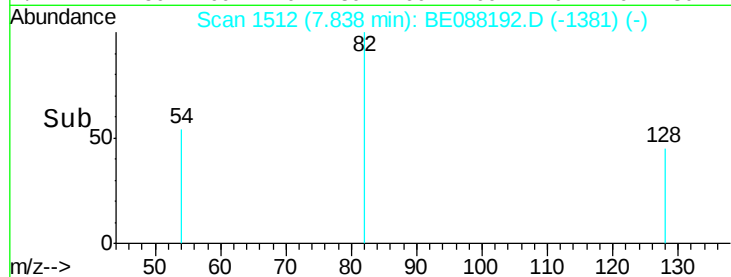
82 100

128 45.4 37.1 55.7

54 54.3 41.1 61.7

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#5

Naphthalene

Concen: 0.73 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

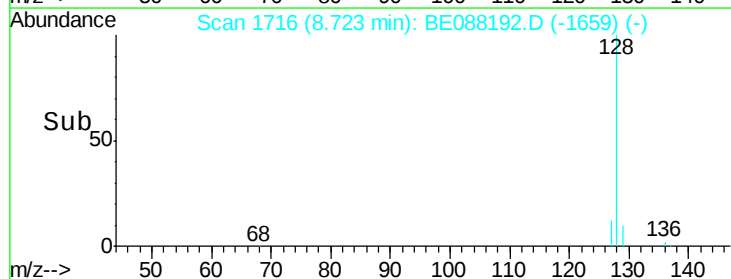
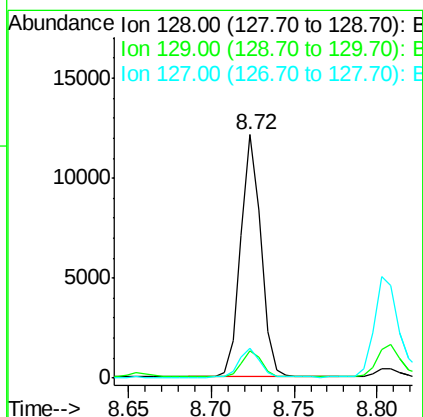
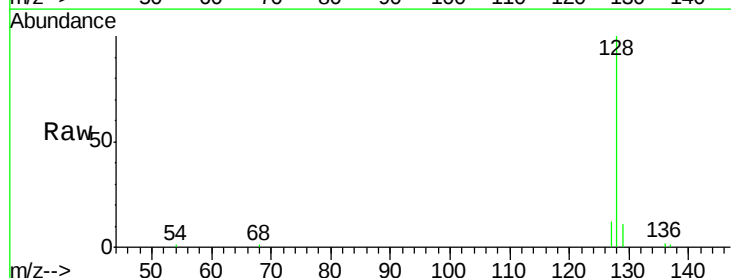
Tgt Ion: 128 Resp: 10300

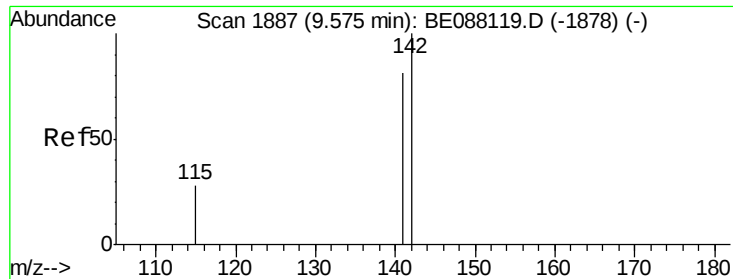
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 12.4 9.7 14.5





#6

2-Methylnaphthalene

Concen: 1.31 ng

RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

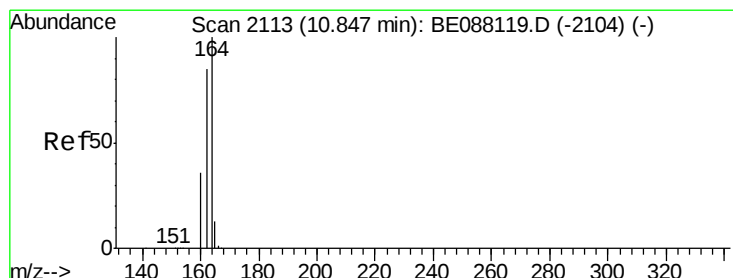
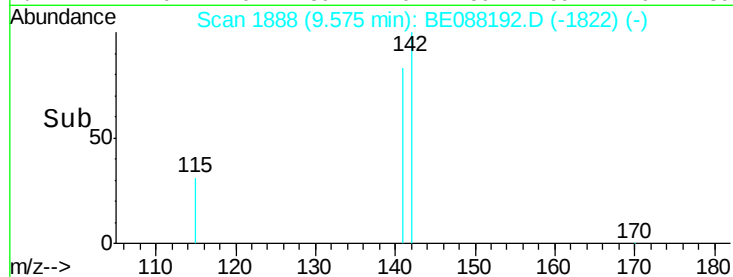
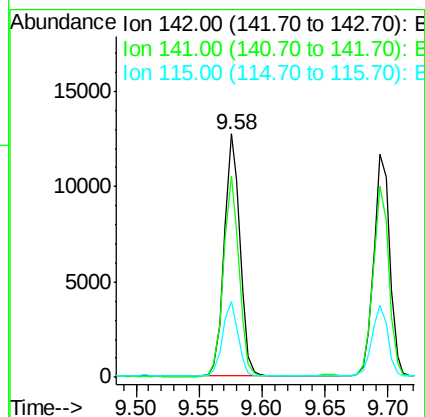
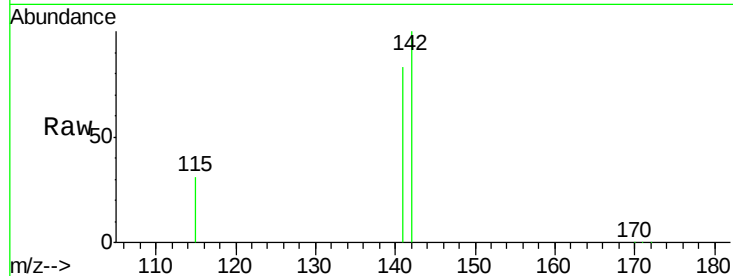
ClientSampleId :

YS19-SB07-1014

Tgt Ion:	142	Resp:	10995
Ion Ratio	Lower	Upper	
142	100		
141	82.9	64.6	97.0
115	30.9	22.6	34.0

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#7

Acenaphthene-d10

Concen: 5.00 ng

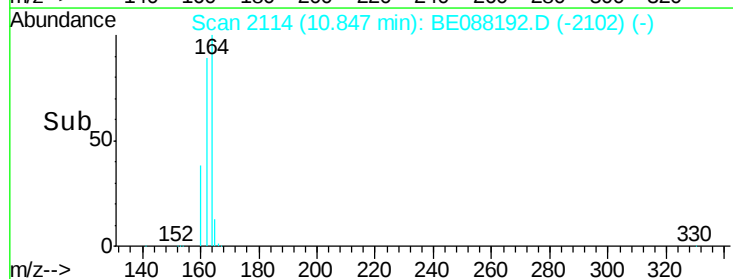
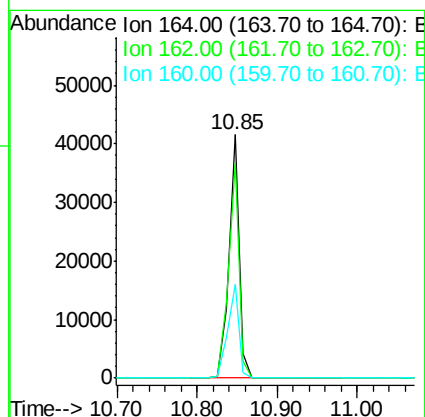
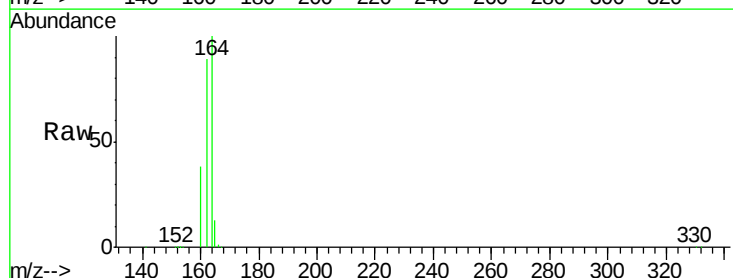
RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

Tgt Ion:	164	Resp:	37923
Ion Ratio	Lower	Upper	
164	100		
162	88.5	68.3	102.5
160	38.4	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 51.95 ng

RT: 10.04 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BE088192.D

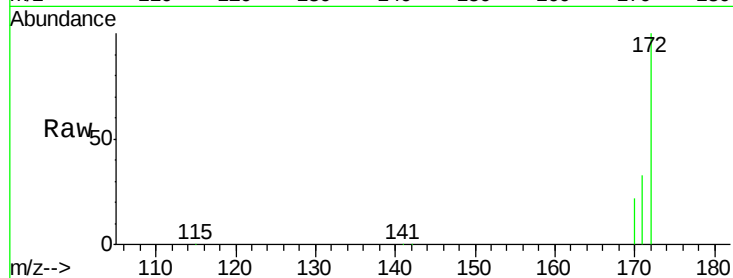
Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

ClientSampleId :

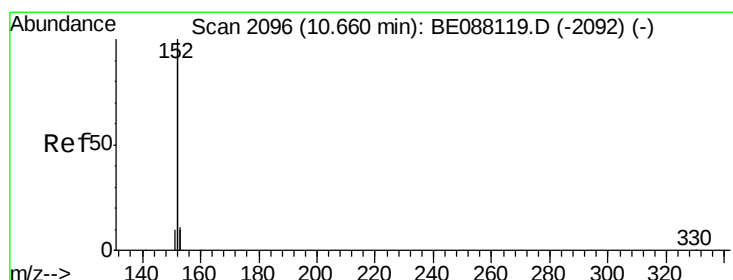
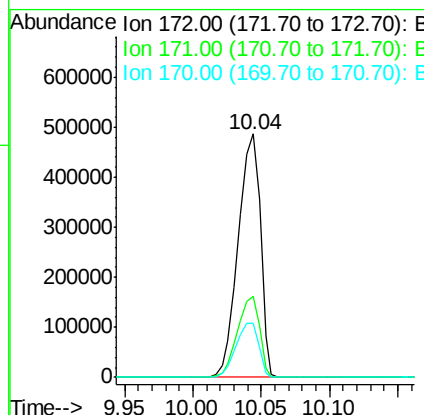
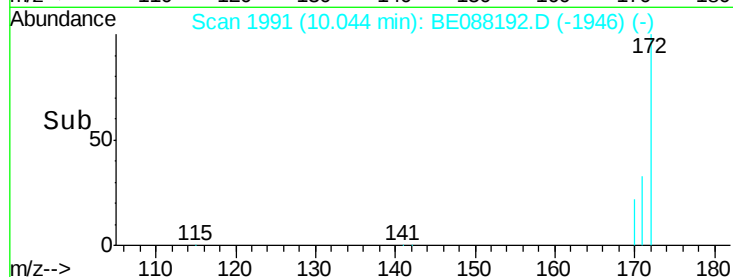
YS19-SB07-1014



Tgt Ion:	172	Resp:	544210
Ion Ratio	Lower	Upper	
172	100		
171	33.0	25.4	38.2
170	22.4	17.4	26.2

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#9

Acenaphthylene

Concen: 1.31 ng

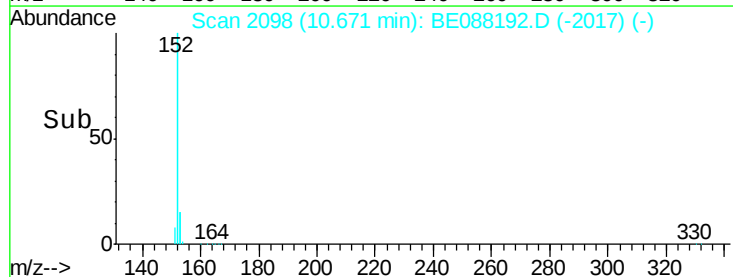
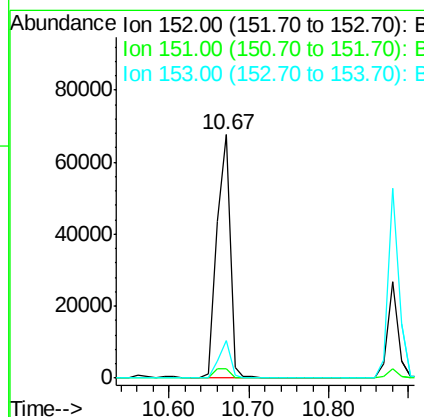
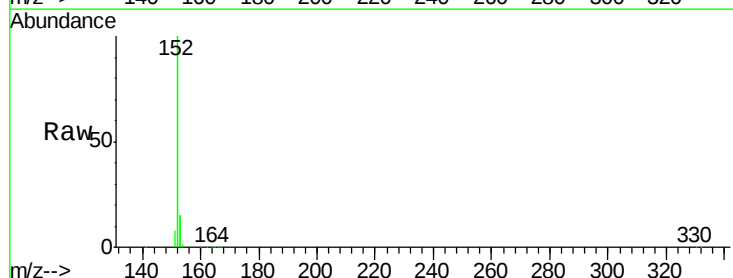
RT: 10.67 min Scan# 2098

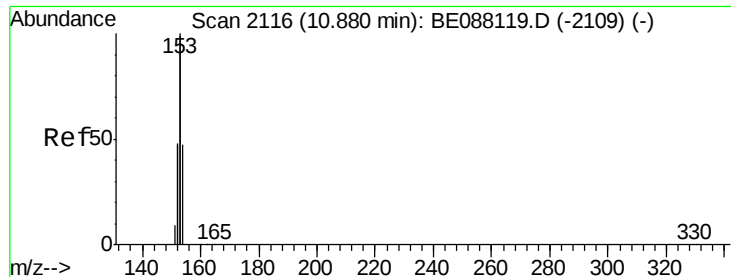
Delta R.T. 0.01 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

Tgt Ion:	152	Resp:	75789
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.3	10.4	15.6





#10

Acenaphthene

Concen: 1.31 ng

RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

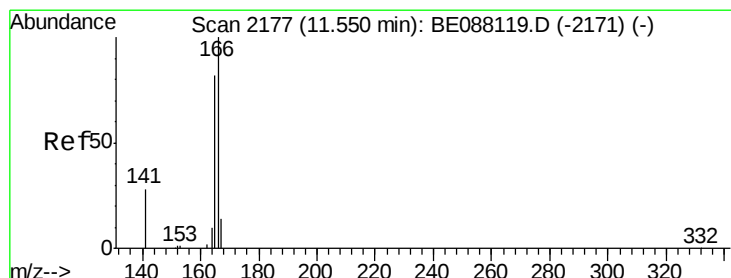
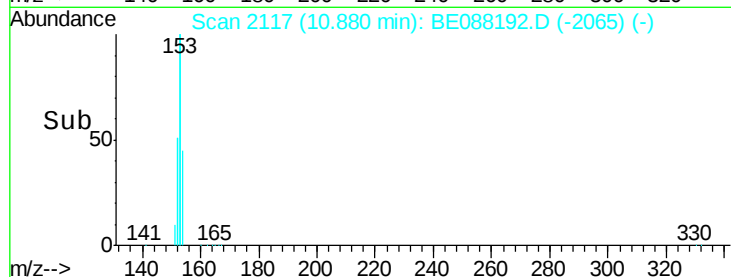
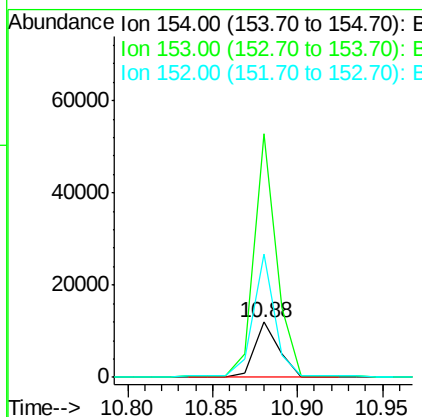
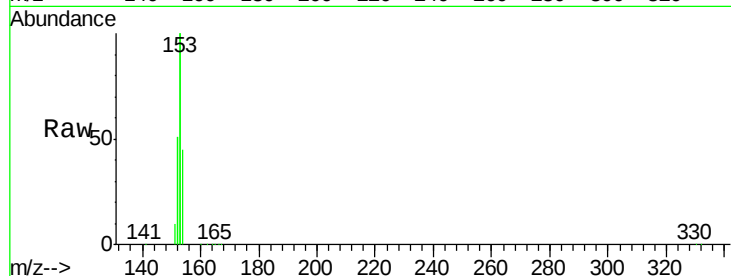
ClientSampleId :

YS19-SB07-1014

Tgt Ion:	154	Resp:	11690
Ion Ratio	Lower	Upper	
154	100		
153	411.5	327.8	491.6
152	198.9	157.6	236.4

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#11

Fluorene

Concen: 1.46 ng

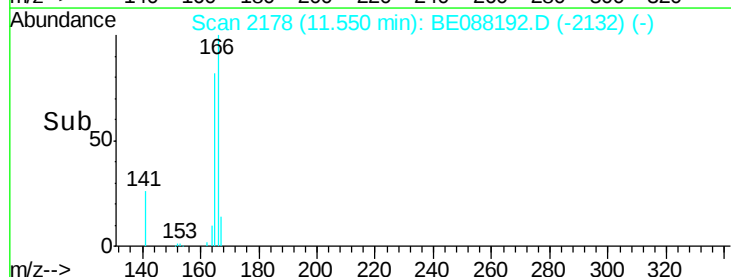
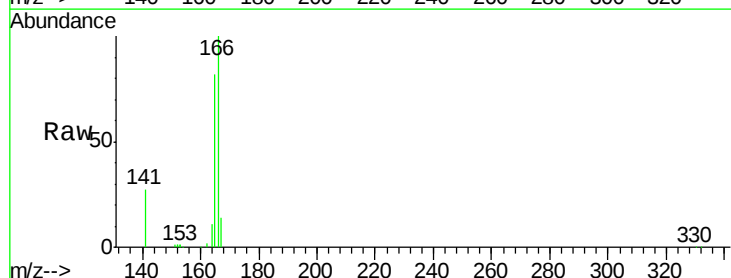
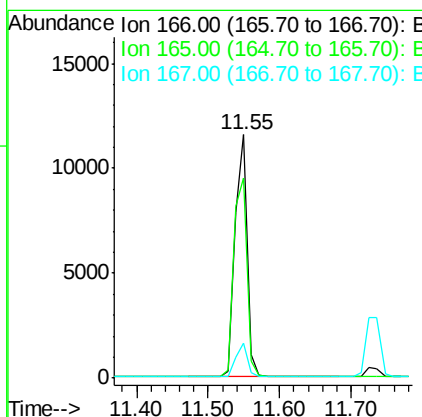
RT: 11.55 min Scan# 2178

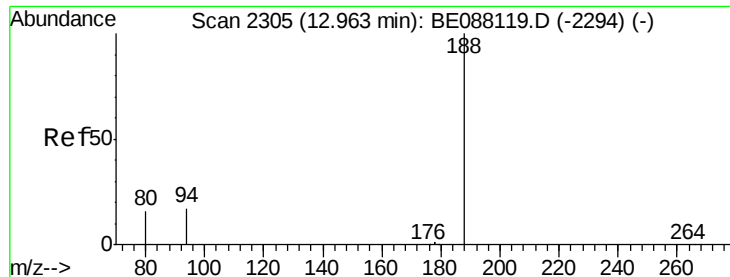
Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

Tgt Ion:	166	Resp:	13824
Ion Ratio	Lower	Upper	
166	100		
165	90.4	71.4	107.2
167	13.6	10.6	16.0





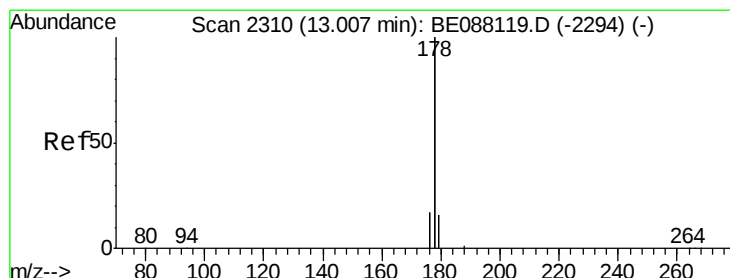
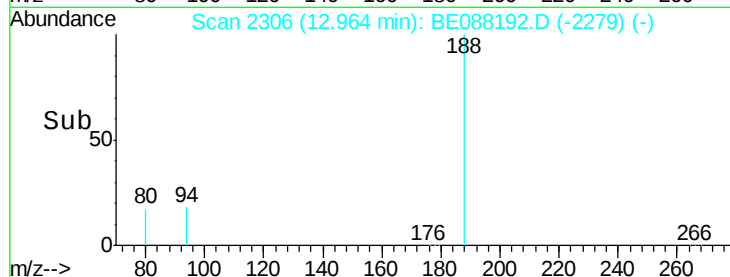
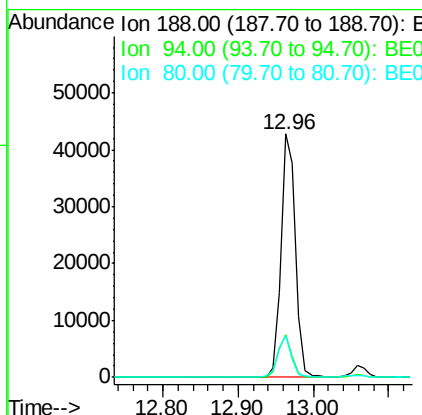
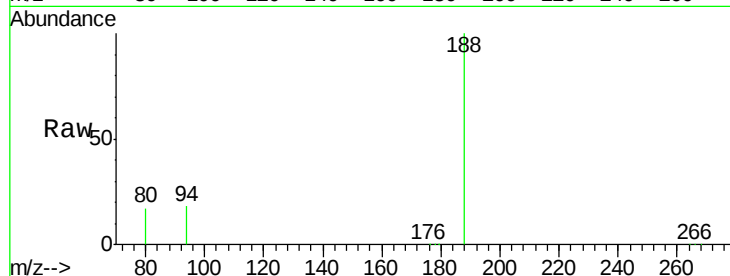
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

Instrument :
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ClientSampleId :
YS19-SB07-1014

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	68935		
94	17.7		13.9	20.9
80	17.0		12.9	19.3

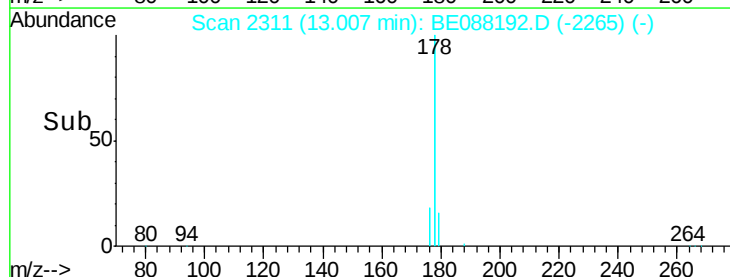
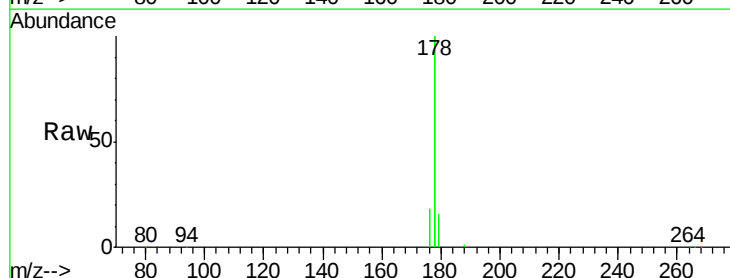
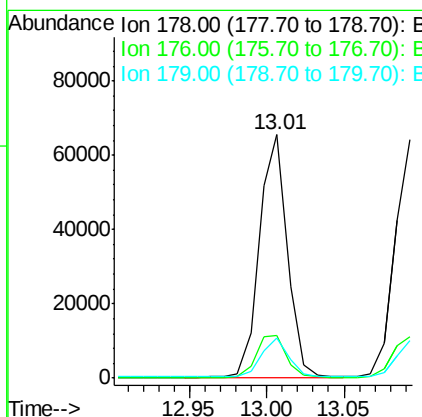
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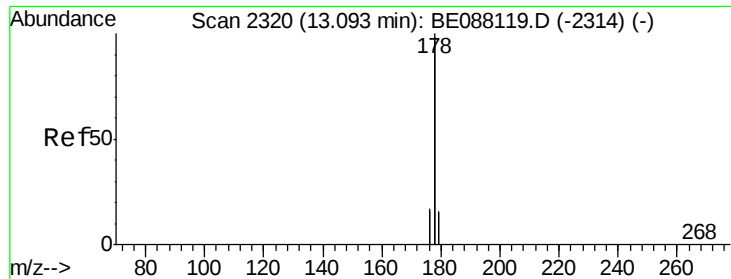
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#13
Phenanthrene
Concen: 1.49 ng m
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	83548		
176	17.2		12.5	18.7
179	14.5		13.5	20.3





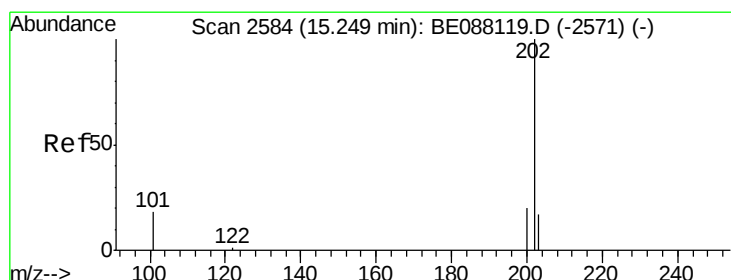
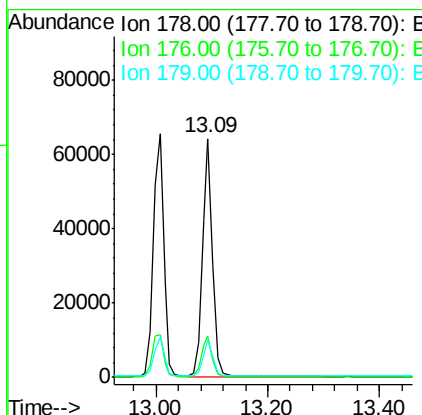
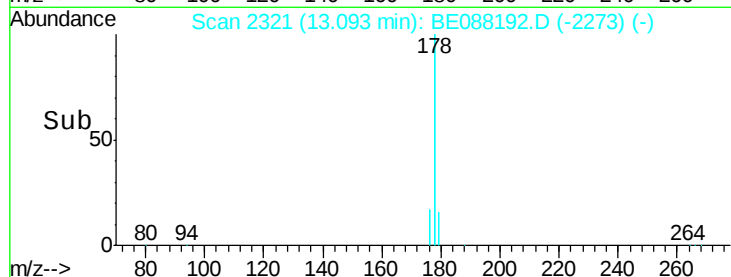
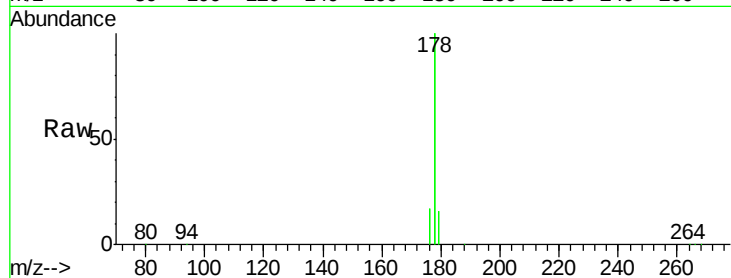
#14
 Anthracene
 Concen: 1.48 ng
 RT: 13.09 min Scan# 2321
 Delta R.T. 0.00 min
 Lab File: BE088192.D
 Acq: 22 Oct 2014 21:04

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB07-1014

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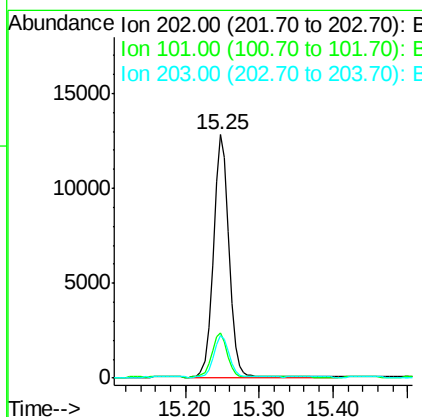
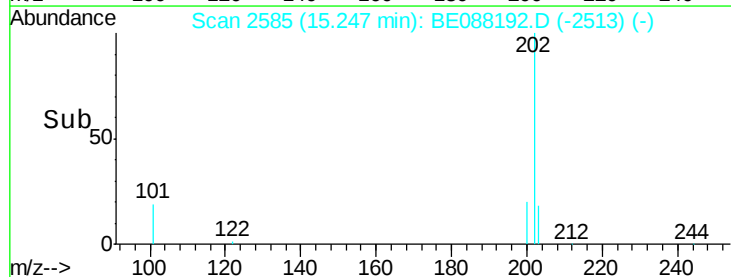
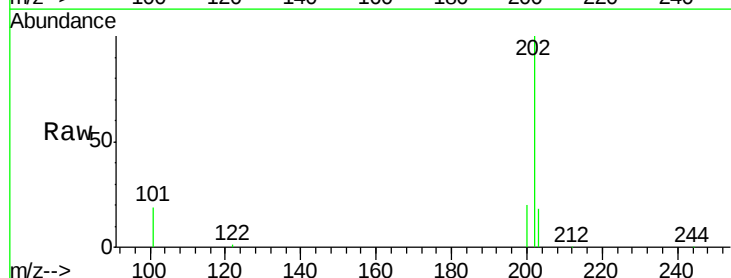
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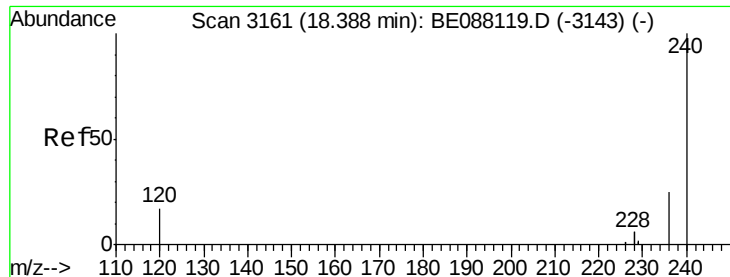
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.5	18.7



#15
 Fluoranthene
 Concen: 1.43 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088192.D
 Acq: 22 Oct 2014 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.1	14.8	22.2
203	17.1	13.5	20.3





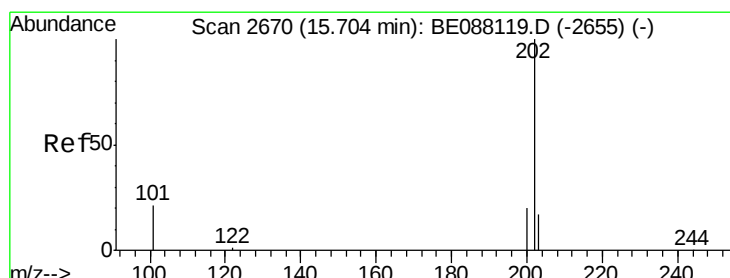
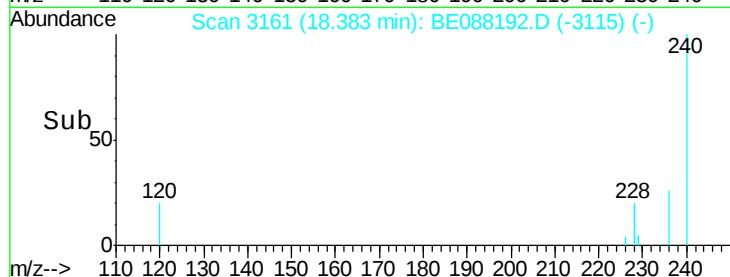
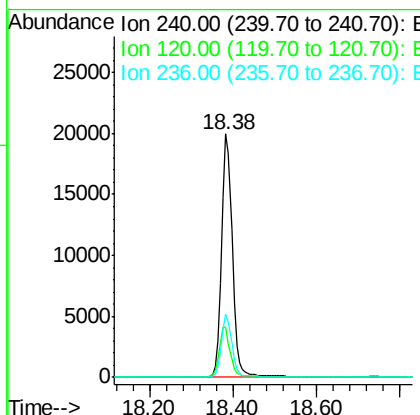
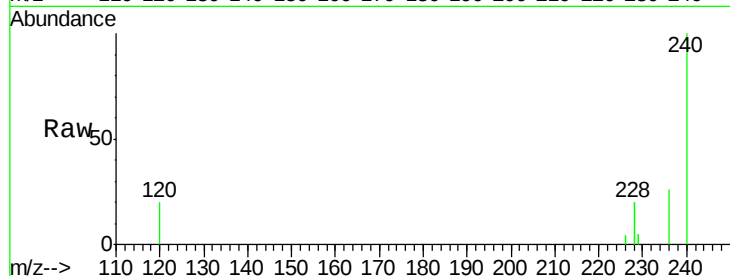
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

Instrument :
BNA_E
ClientSampleId :
YS19-SB07-1014

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.5	13.9	20.9
236	26.0	19.9	29.9

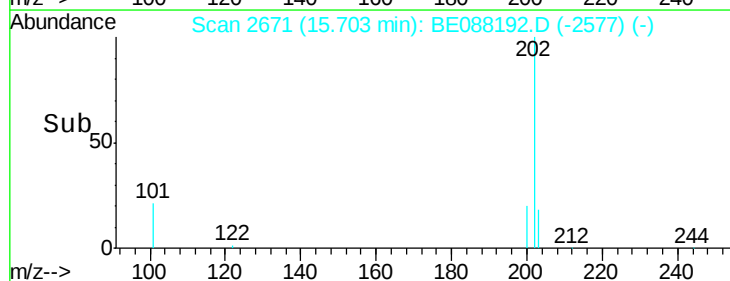
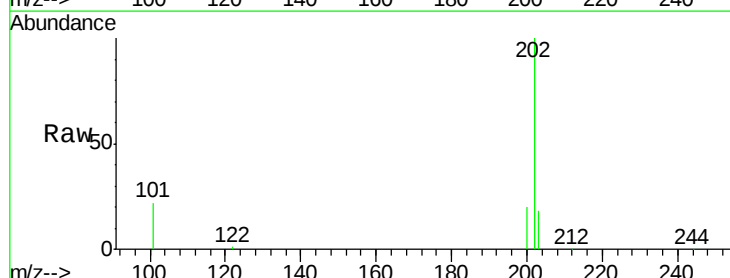
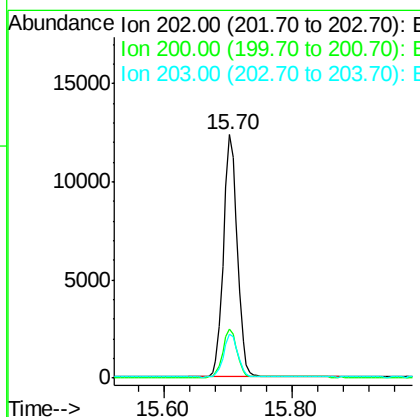
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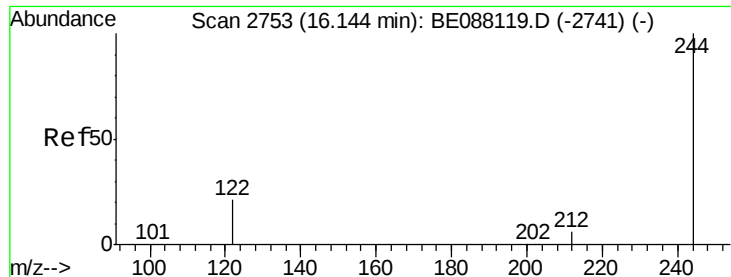
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#17
Pyrene
Concen: 2.00 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.8	13.9	20.9





#18

Terphenyl-d14

Concen: 75.29 ng

RT: 16.16 min Scan# 2758

Delta R.T. 0.02 min

Lab File: BE088192.D

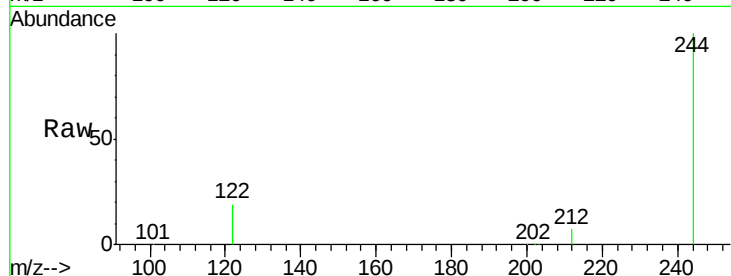
Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

ClientSampleId :

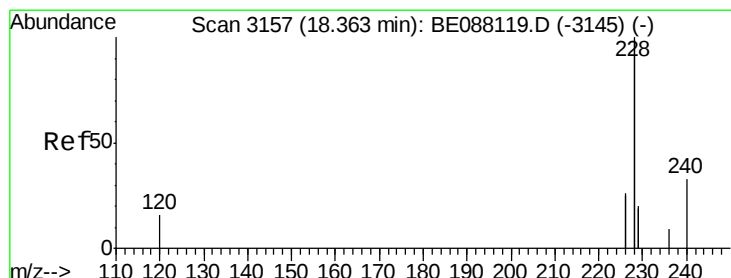
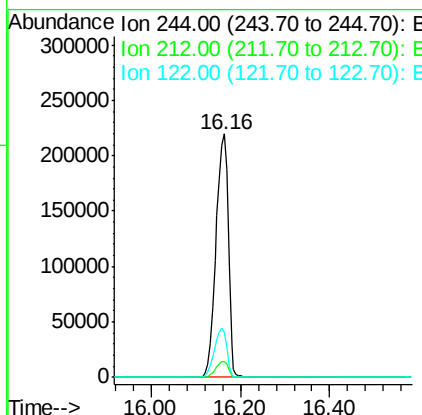
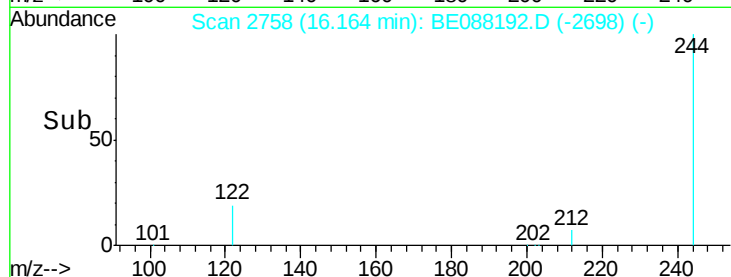
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Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	18.8	17.5	26.3

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#19

Benzo(a)anthracene

Concen: 1.64 ng

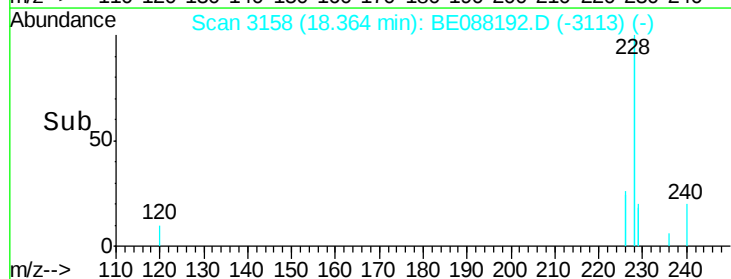
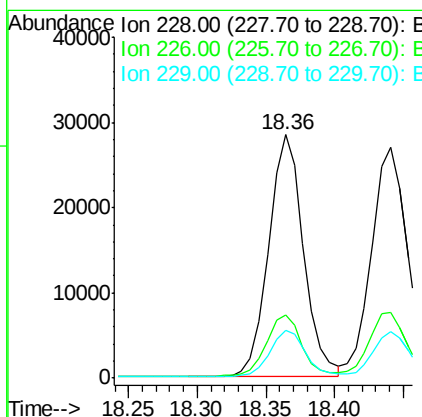
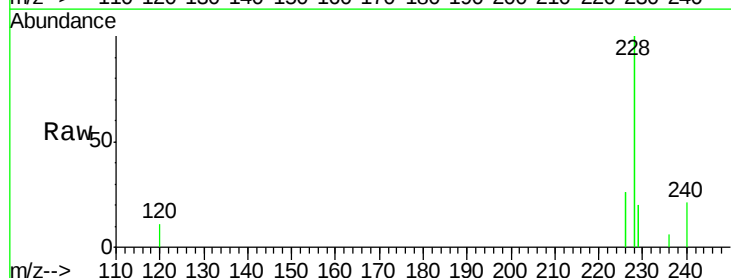
RT: 18.36 min Scan# 3158

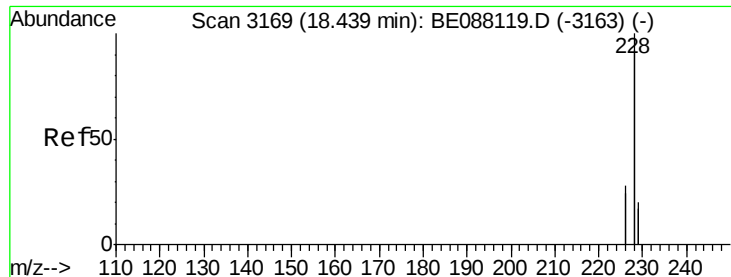
Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.8	31.2
229	19.8	15.6	23.4





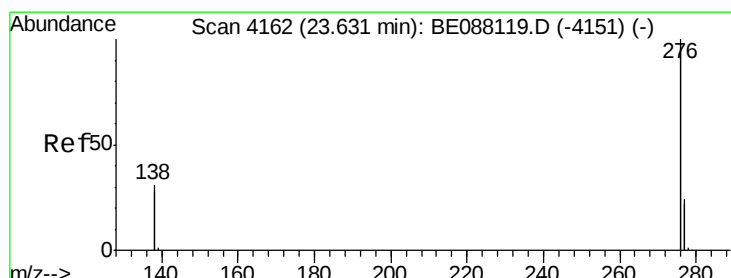
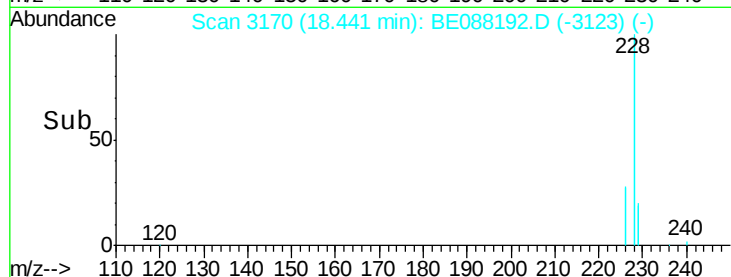
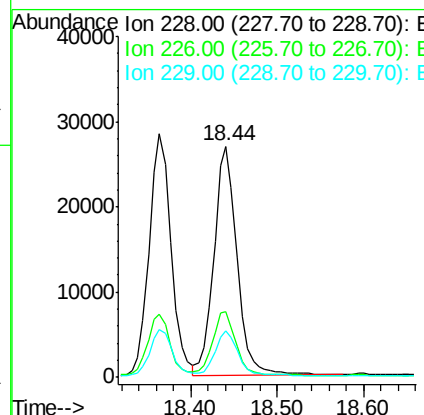
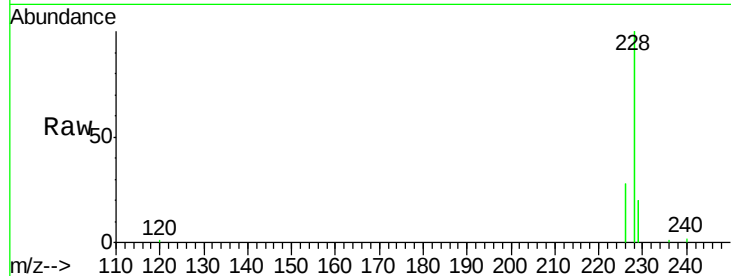
#20
Chrysene
Concen: 1.68 ng
RT: 18.44 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

Instrument :
BNA_E
ClientSampleId :
YS19-SB07-1014

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	20.3	15.8	23.6

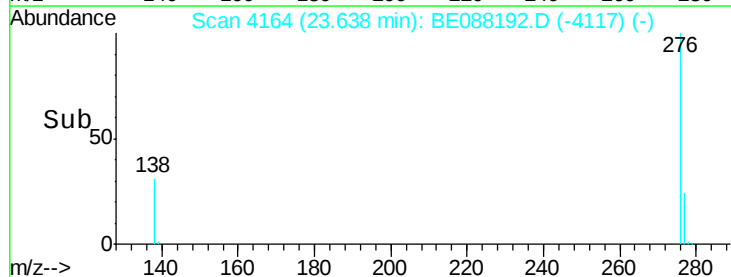
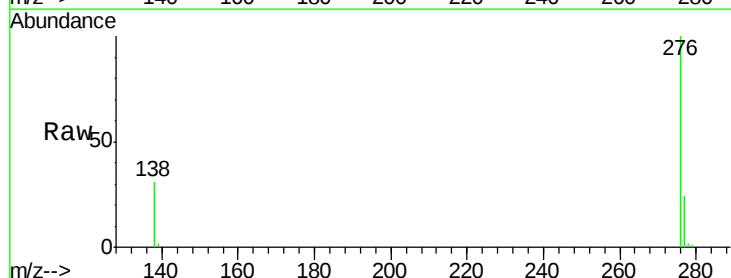
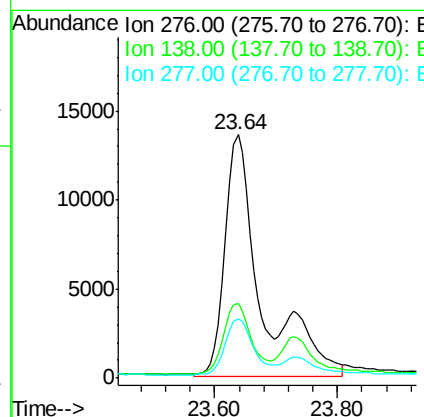
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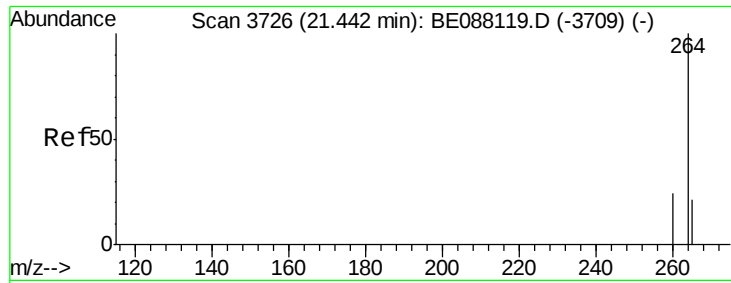
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#21
Indeno(1,2,3-cd)pyrene
Concen: 1.68 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

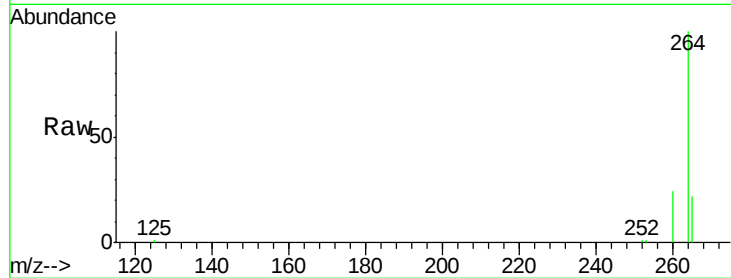
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.5	27.7
277	17.7	14.6	21.8





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3727
 Delta R.T. 0.00 min
 Lab File: BE088192.D
 Acq: 22 Oct 2014 21:04

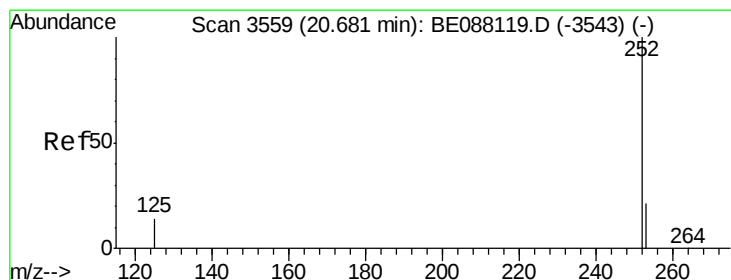
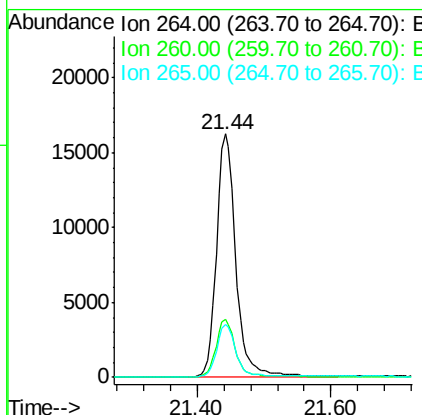
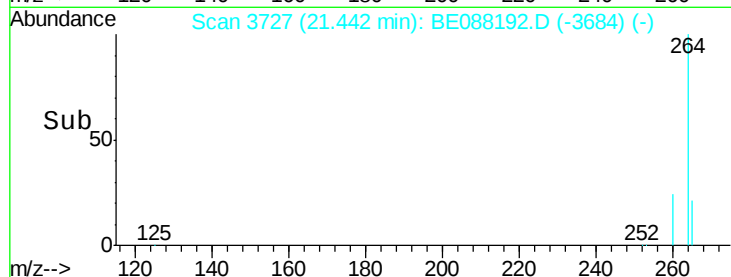
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB07-1014



Tgt Ion: 264 Resp: 32289
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.6 17.2 25.8

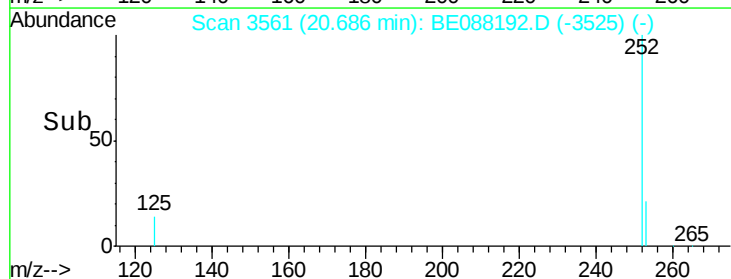
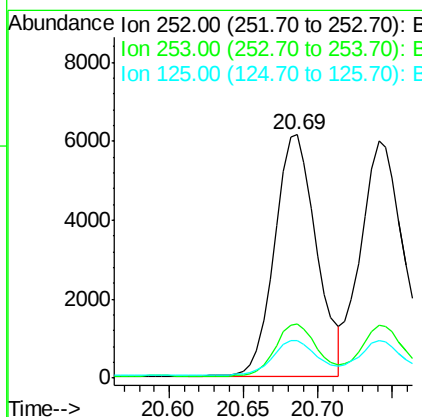
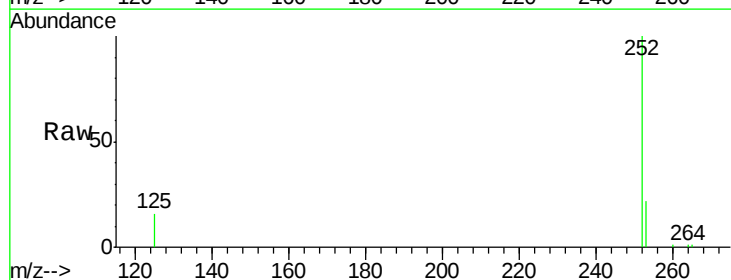
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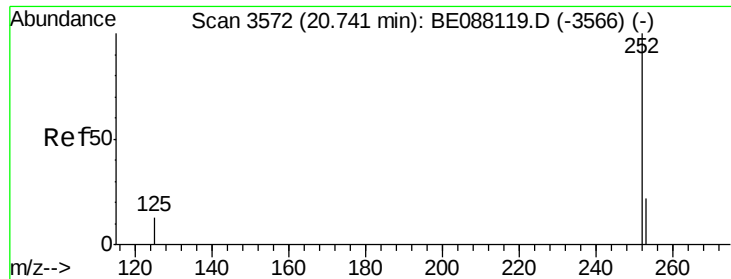
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#23
 Benzo(b)fluoranthene
 Concen: 1.55 ng
 RT: 20.69 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: BE088192.D
 Acq: 22 Oct 2014 21:04

Tgt Ion: 252 Resp: 11920
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.0
 125 15.6 11.8 17.8





#24

Benzo(k)fluoranthene

Concen: 1.57 ng

RT: 20.74 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088192.D

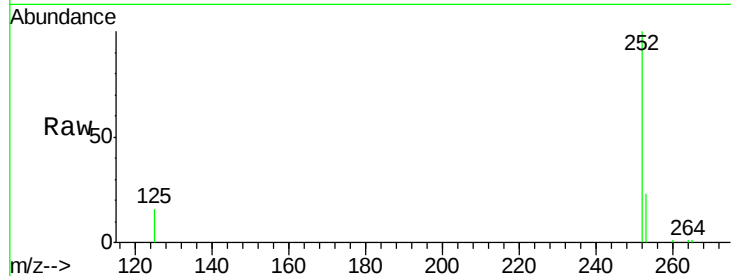
Acq: 22 Oct 2014 21:04

Instrument :

BNA_E

ClientSampleId :

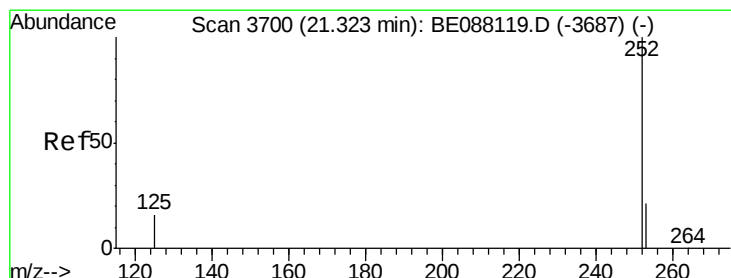
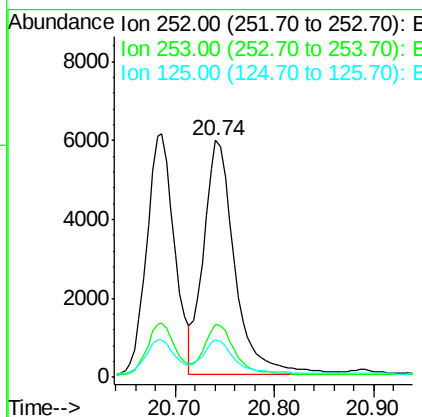
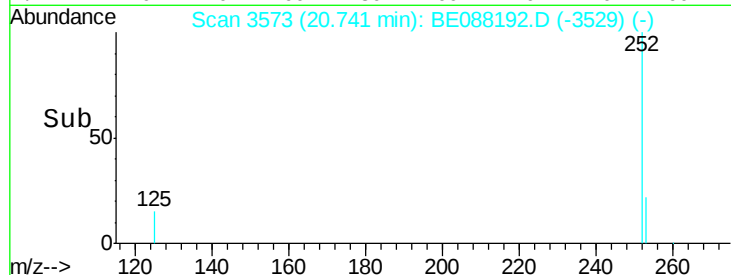
YS19-SB07-1014



Tgt Ion:	252	Resp:	12931
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	15.8	11.5	17.3

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#25

Benzo(a)pyrene

Concen: 1.62 ng

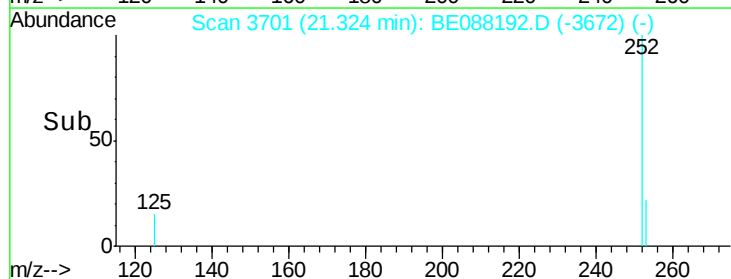
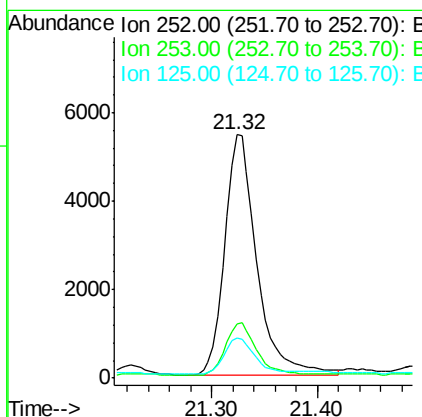
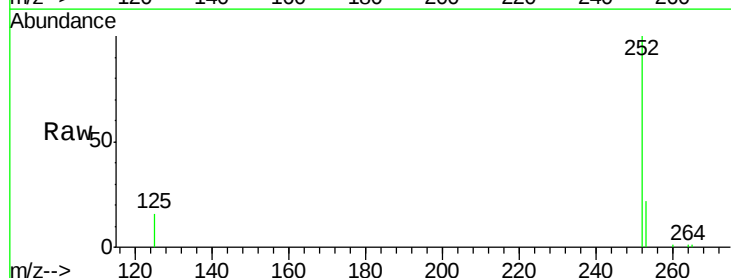
RT: 21.32 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BE088192.D

Acq: 22 Oct 2014 21:04

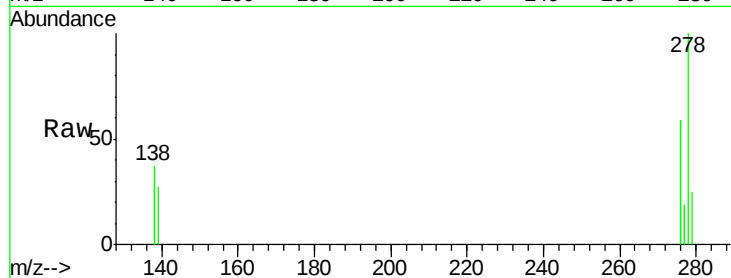
Tgt Ion:	252	Resp:	11477
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	16.4	13.0	19.6





#26
Dibenzo(a,h)anthracene
Concen: 1.51 ng
RT: 23.74 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04

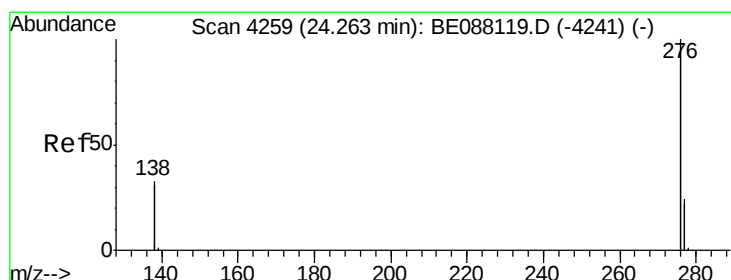
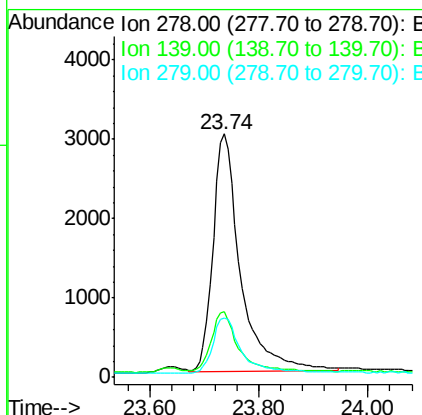
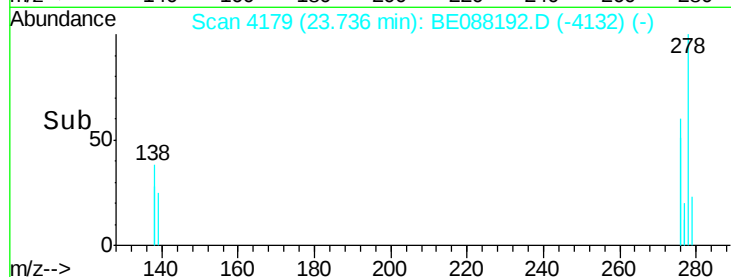
Instrument :
BNA_E
ClientSampleId :
YS19-SB07-1014



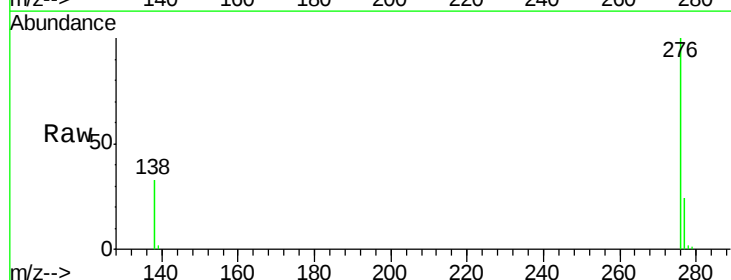
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	20.9	31.3
279	24.5	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.62 ng
RT: 24.27 min Scan# 4261
Delta R.T. 0.01 min
Lab File: BE088192.D
Acq: 22 Oct 2014 21:04



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	33.3	26.6	40.0

