

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088157.D
 Acq On : 21 Oct 2014 23:34
 Operator : TP/JJ
 Sample : F4351-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW14-1014

Manual Integrations
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 10/22/2014 1:54:08 PM

Quant Time: Oct 22 05:06:04 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	20708	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	81910	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	44672	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	85773	5.00	ng	0.00
16) Chrysene-d12	18.38	240	53851	5.00	ng	0.00
22) Perylene-d12	21.44	264	42943	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	40871	6.92	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	77992	6.32	ng	0.00
18) Terphenyl-d14	16.15	244	84670	9.77	ng	0.00
Target Compounds						Qvalue
9) Acenaphthylene	10.67	152	3298	0.05	ng	99
10) Acenaphthene	10.88	154	674	0.06	ng	# 69
11) Fluorene	11.55	166	796	0.07	ng	99
14) Anthracene	13.09	178	8372	0.13	ng	96
15) Fluoranthene	15.25	202	2152	0.13	ng	99
17) Pyrene	15.70	202	2234	0.15	ng	99
19) Benzo(a)anthracene	18.36	228	7215	0.15	ng	93
20) Chrysene	18.44	228	8691m	0.18	ng	
21) Indeno(1,2,3-cd)pyrene	23.63	276	3894m	0.07	ng	
23) Benzo(b)fluoranthene	20.68	252	1184	0.12	ng	# 83
24) Benzo(k)fluoranthene	20.74	252	1313	0.12	ng	# 81
25) Benzo(a)pyrene	21.32	252	910	0.10	ng	# 77
26) Dibenzo(a,h)anthracene	23.74	278	736	0.08	ng	# 55
27) Benzo(g,h,i)perylene	24.26	276	4038	0.10	ng	# 73

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

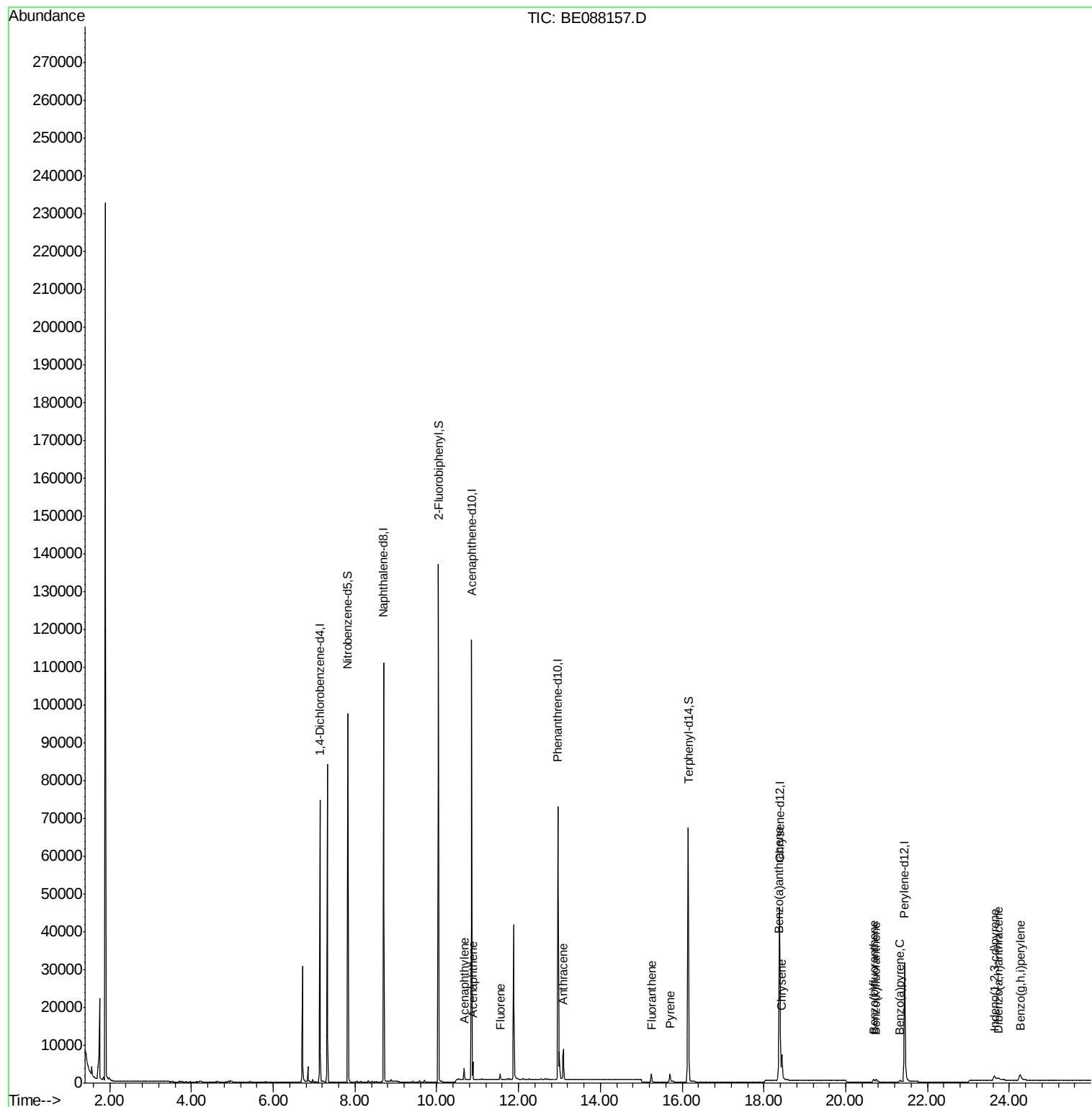
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088157.D
Acq On : 21 Oct 2014 23:34
Operator : TP/JJ
Sample : F4351-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

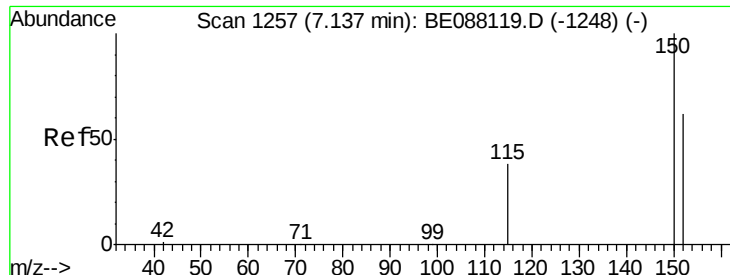
Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

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Quant Time: Oct 22 05:06:04 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088157.D

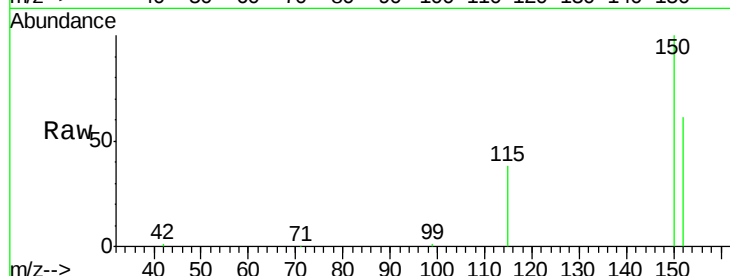
Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014



Tgt Ion:152 Resp: 20708

Ion Ratio Lower Upper

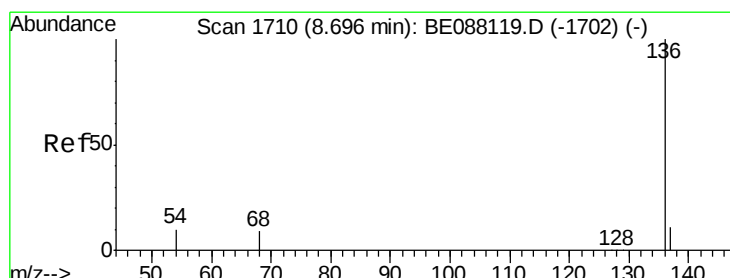
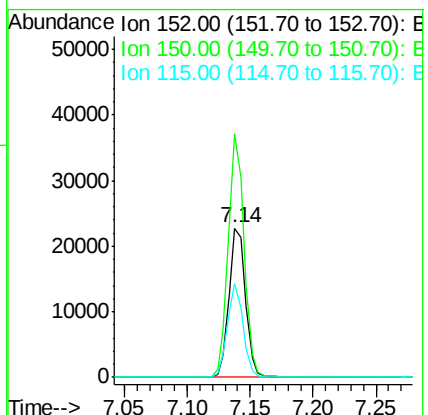
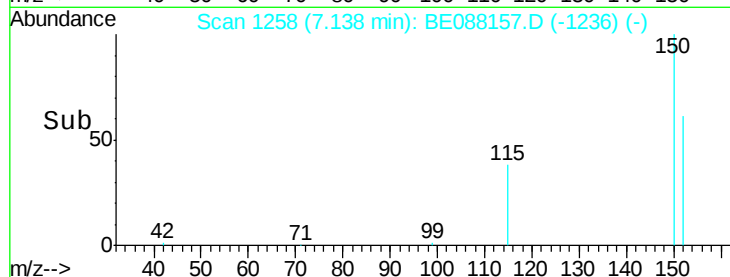
152 100

150 162.8 129.2 193.8

115 62.6 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: BE088157.D

Acq: 21 Oct 2014 23:34

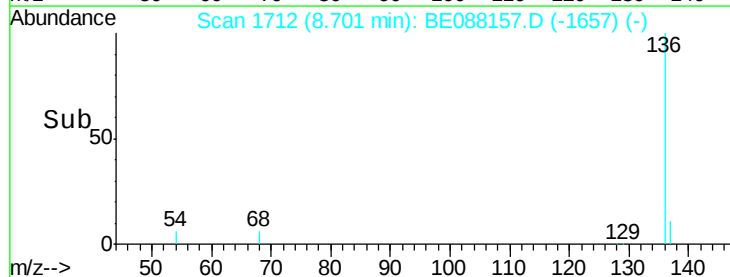
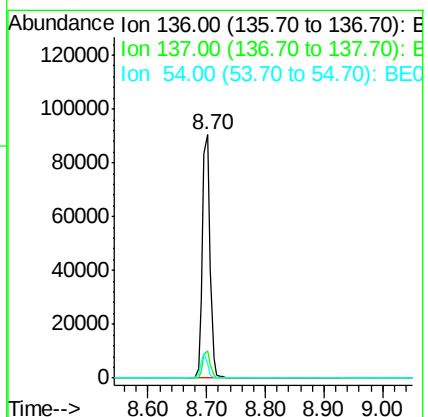
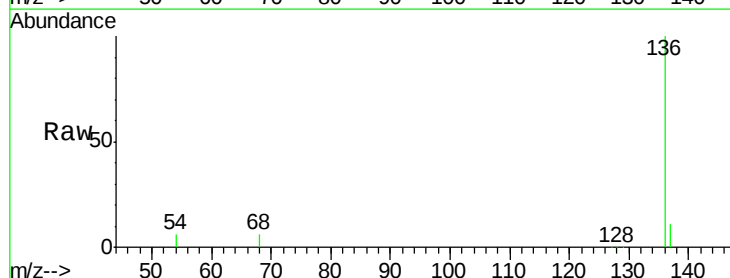
Tgt Ion:136 Resp: 81910

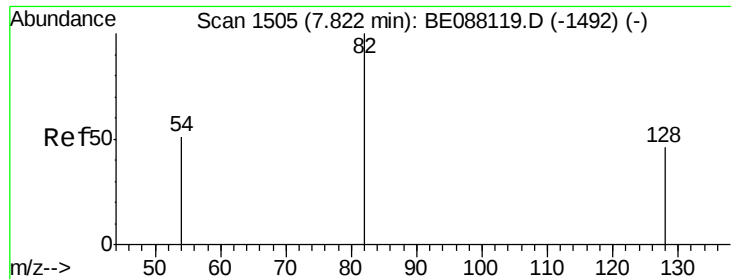
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 5.8 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 6.92 ng

RT: 7.82 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088157.D

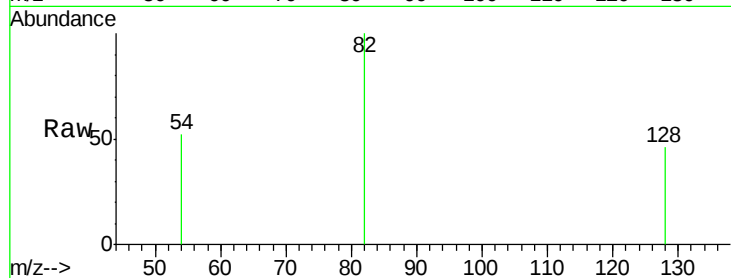
Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014



Tgt Ion: 82 Resp: 40871

Ion Ratio Lower Upper

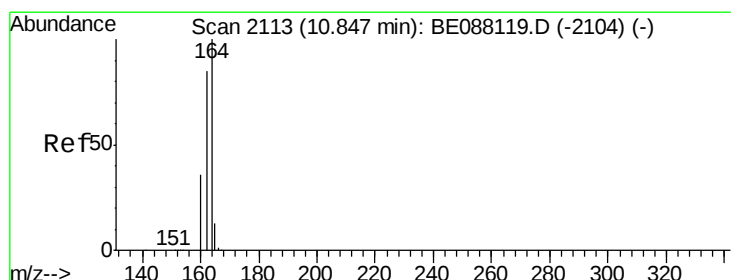
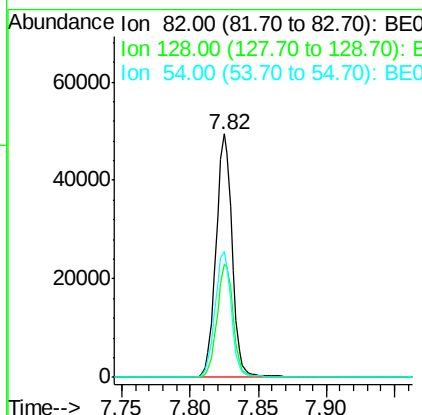
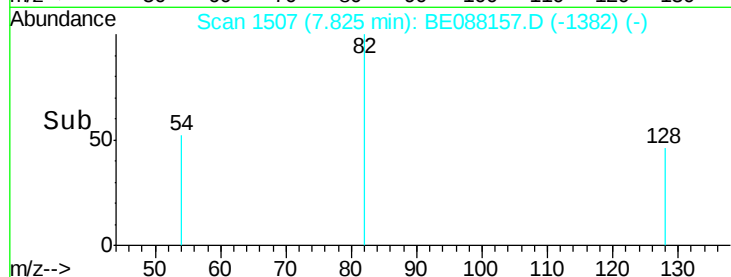
82 100

128 46.4 37.1 55.7

54 51.6 41.1 61.7

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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: BE088157.D

Acq: 21 Oct 2014 23:34

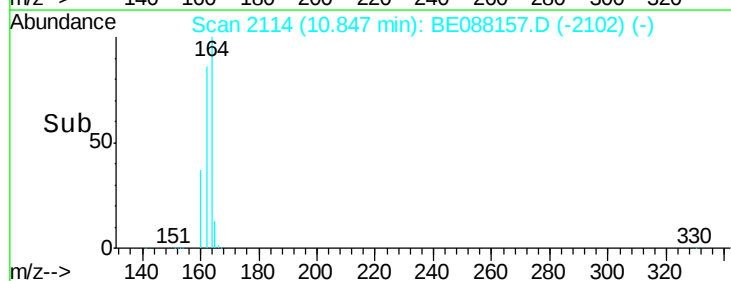
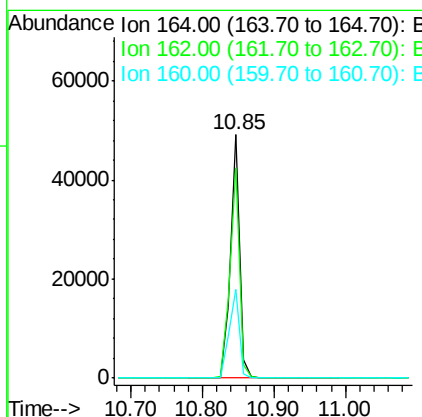
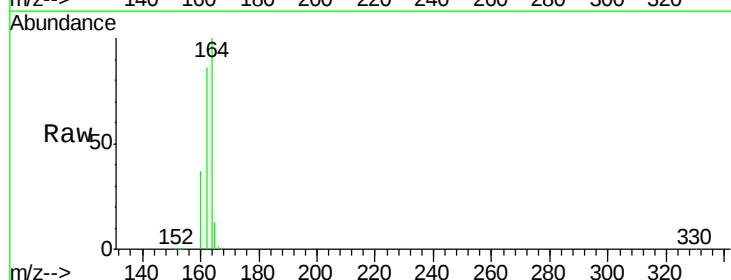
Tgt Ion: 164 Resp: 44672

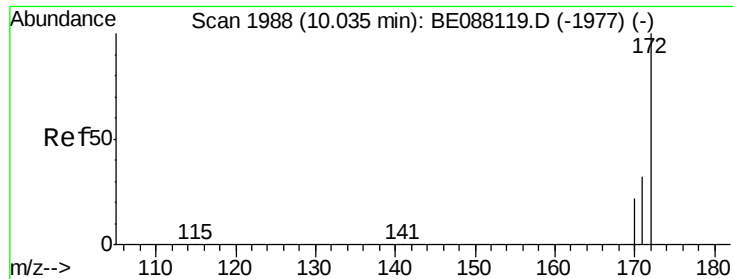
Ion Ratio Lower Upper

164 100

162 86.4 68.3 102.5

160 36.7 28.7 43.1





#8

2-Fluorobiphenyl

Concen: 6.32 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088157.D

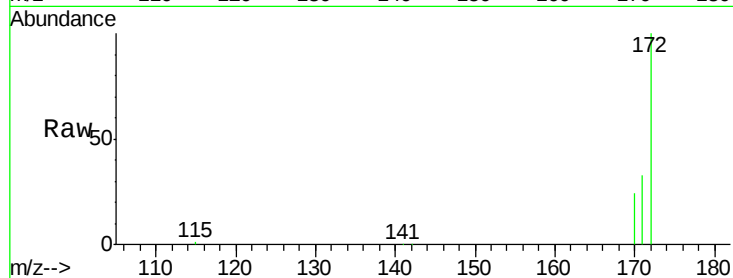
Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

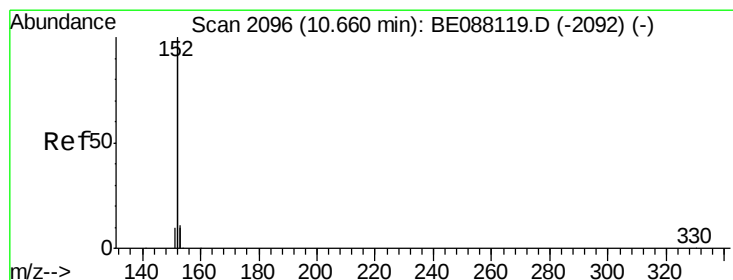
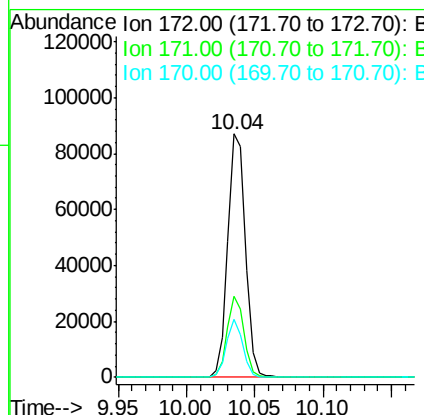
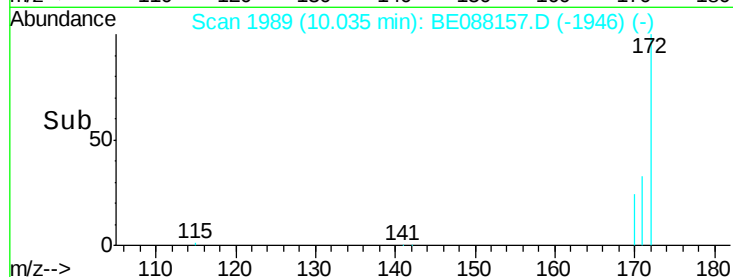
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Tgt Ion:	172	Resp:	77992
Ion Ratio	Lower	Upper	
172	100		
171	33.5	25.4	38.2
170	23.6	17.4	26.2

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#9

Acenaphthylene

Concen: 0.05 ng

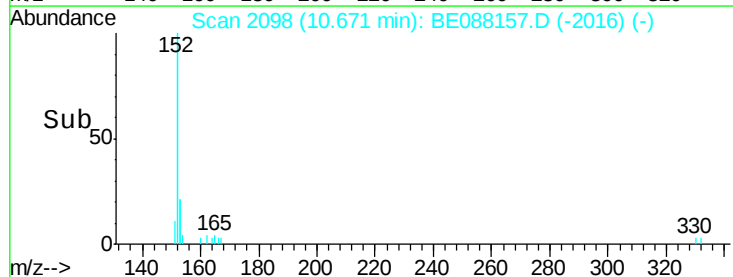
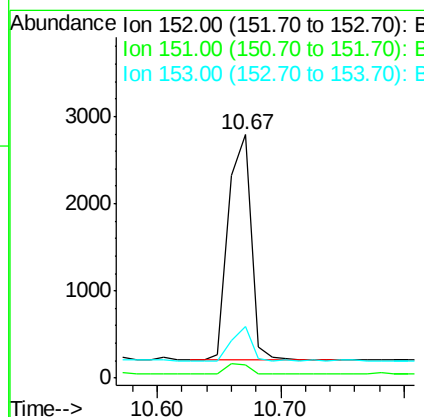
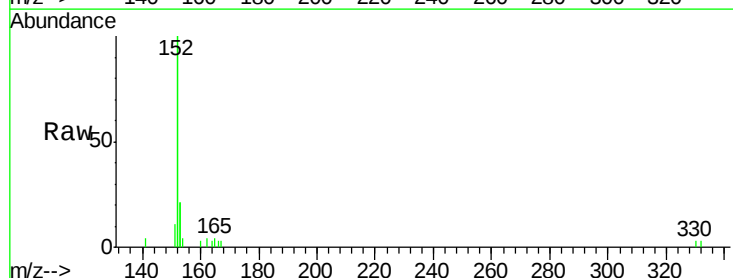
RT: 10.67 min Scan# 2098

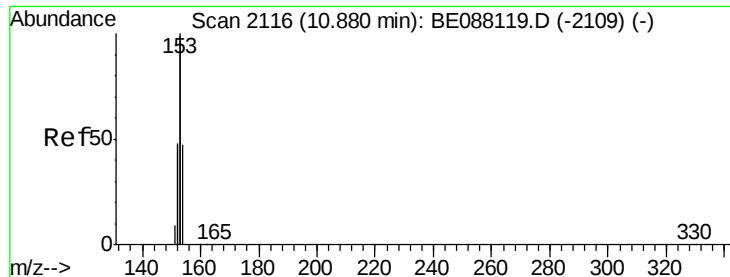
Delta R.T. 0.01 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Tgt Ion:	152	Resp:	3298
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.7	5.5
153	13.4	10.4	15.6





#10

Acenaphthene

Concen: 0.06 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

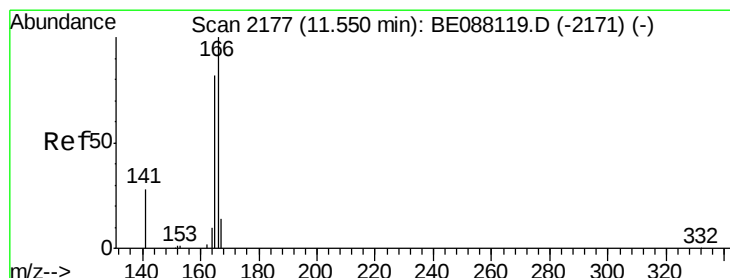
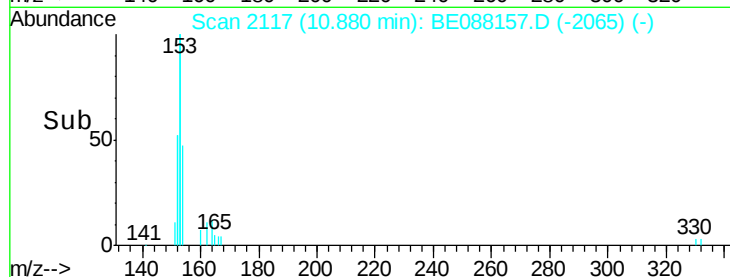
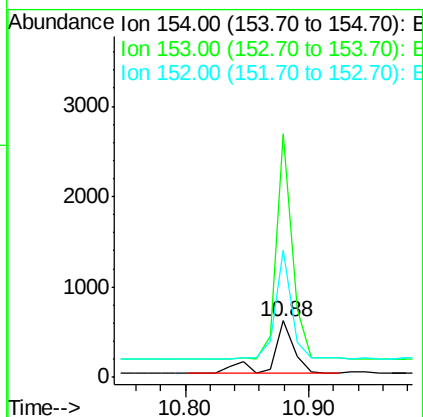
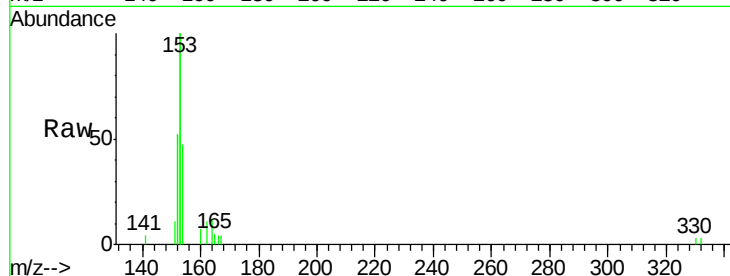
ClientSampleId :

YS19-SW14-1014

Tgt Ion:	154	Resp:	674
Ion Ratio	Lower	Upper	
154	100		
153	326.3	327.8	491.6#
152	161.9	157.6	236.4

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#11

Fluorene

Concen: 0.07 ng

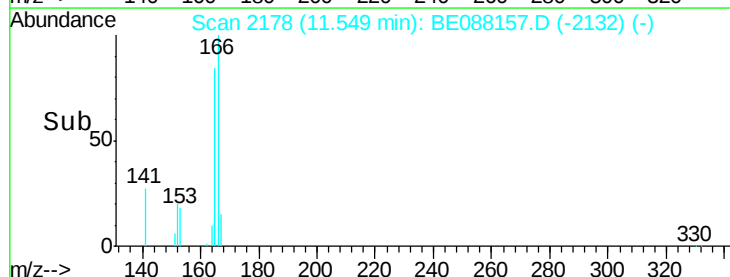
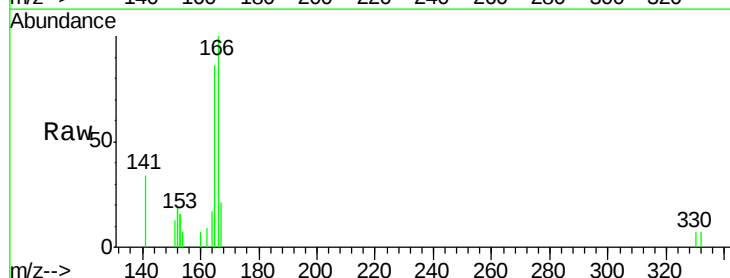
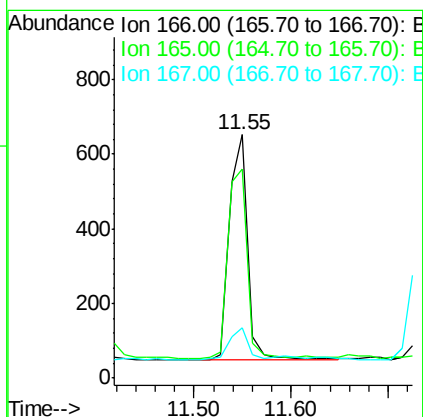
RT: 11.55 min Scan# 2178

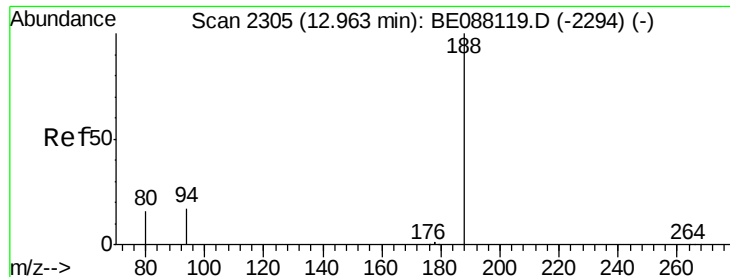
Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Tgt Ion:	166	Resp:	796
Ion Ratio	Lower	Upper	
166	100		
165	88.4	71.4	107.2
167	13.9	10.6	16.0





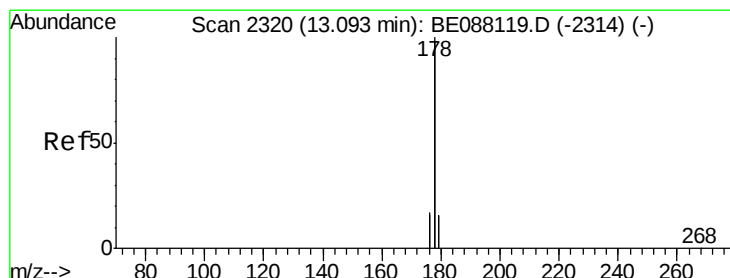
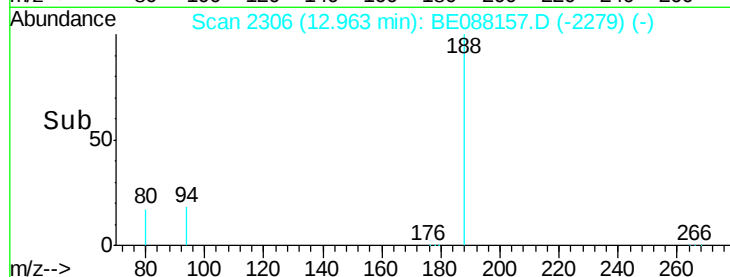
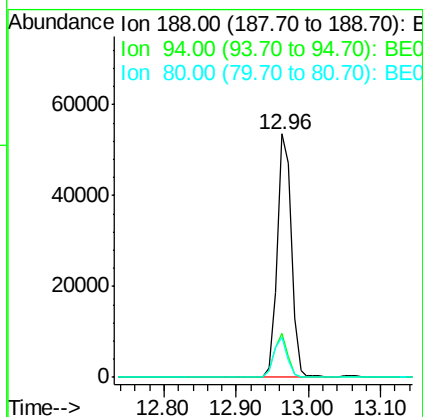
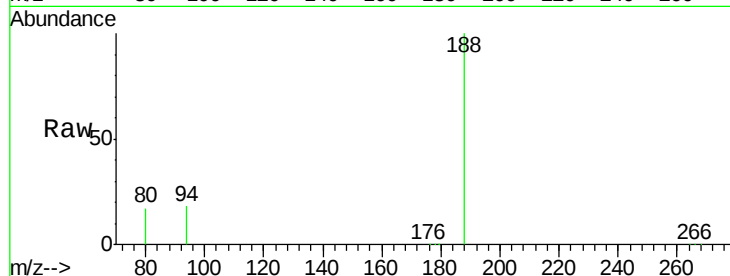
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.9	13.9	20.9
80	16.7	12.9	19.3

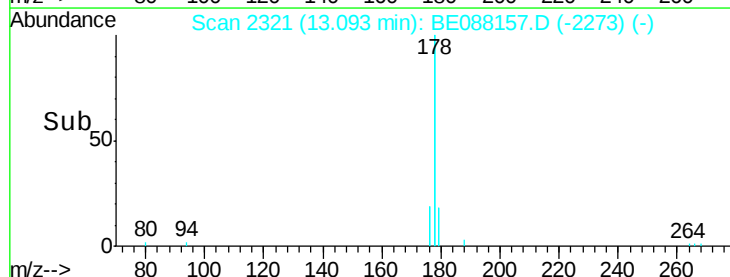
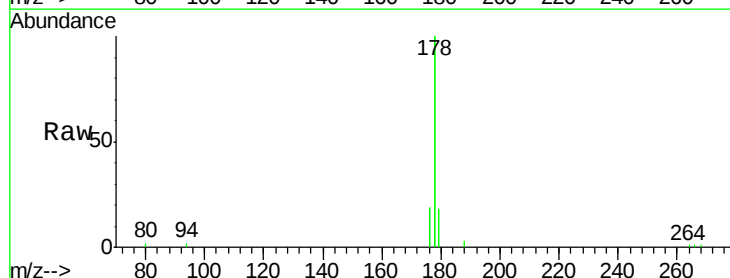
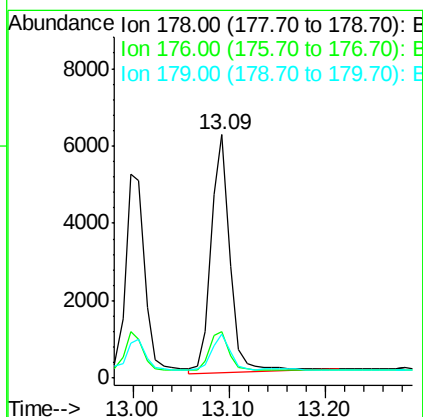
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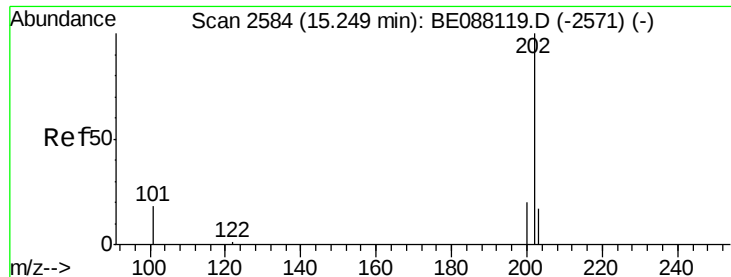
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#14
Anthracene
Concen: 0.13 ng
RT: 13.09 min Scan# 2321
Delta R.T. -0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	14.6	21.8
179	15.1	12.5	18.7





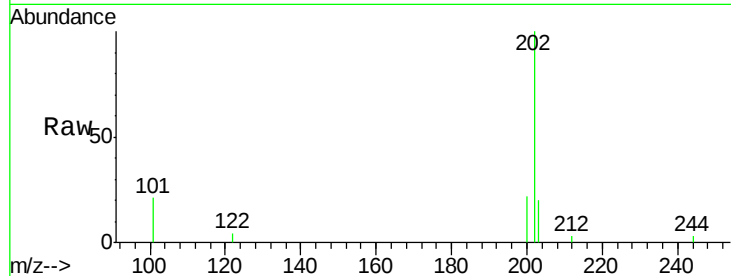
#15
 Fluoranthene
 Concen: 0.13 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088157.D
 Acq: 21 Oct 2014 23:34

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW14-1014

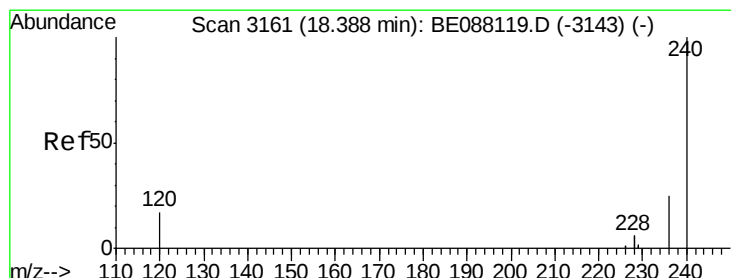
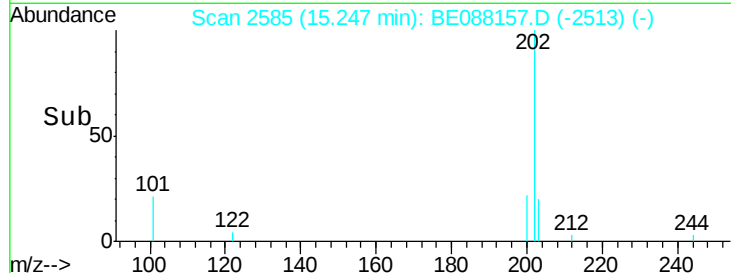
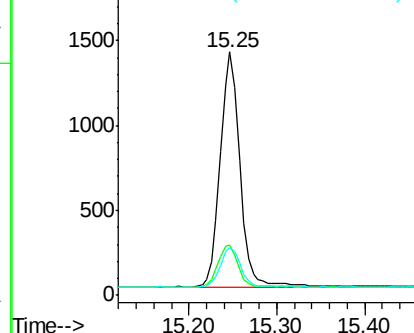
Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.0	14.8	22.2
203	16.8	13.5	20.3

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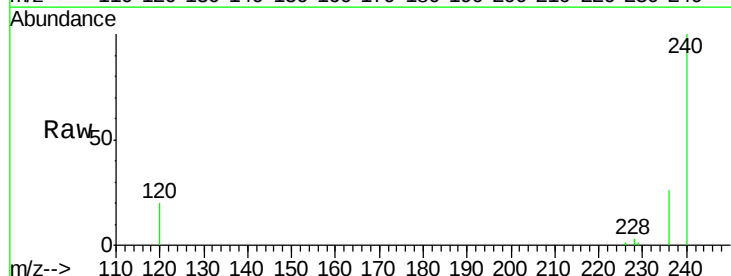


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

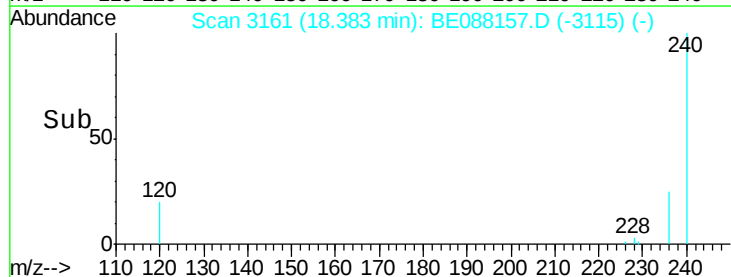
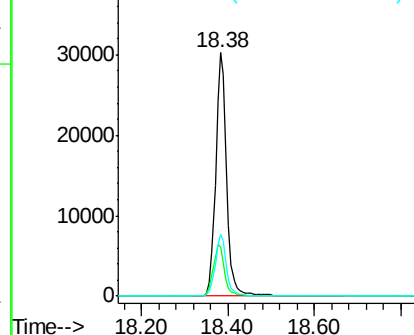


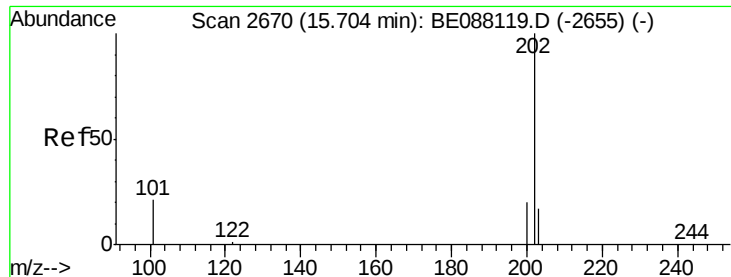
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE088157.D
 Acq: 21 Oct 2014 23:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.4	13.9	20.9
236	25.6	19.9	29.9



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





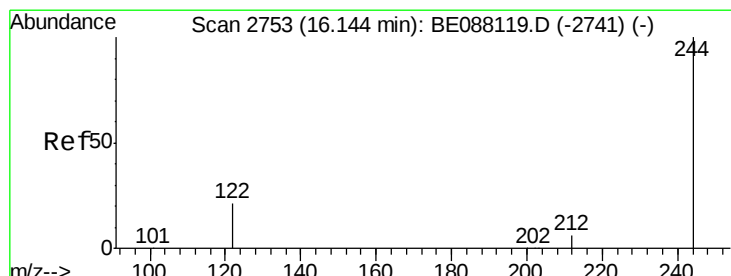
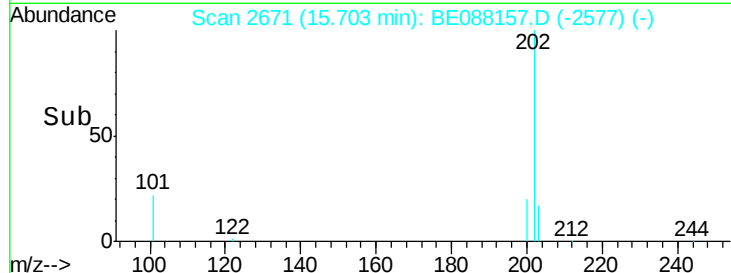
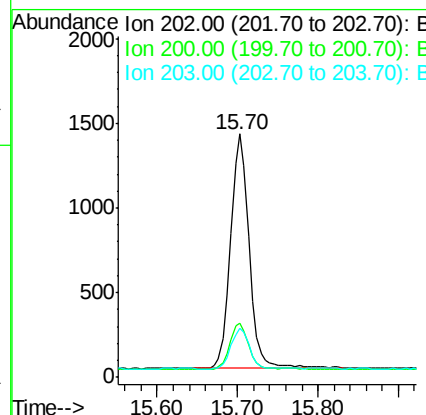
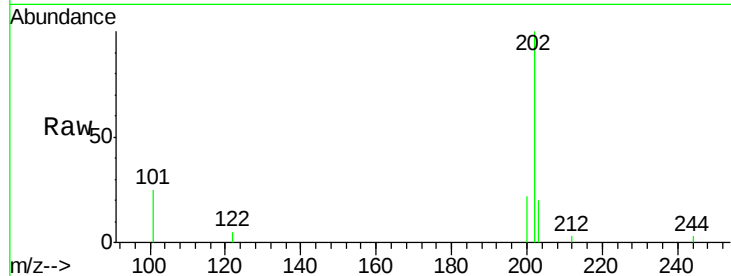
#17
 Pyrene
 Concen: 0.15 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088157.D
 Acq: 21 Oct 2014 23:34

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW14-1014

Tgt Ion:	202	Resp:	2234
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.1	24.1
203	17.1	13.9	20.9

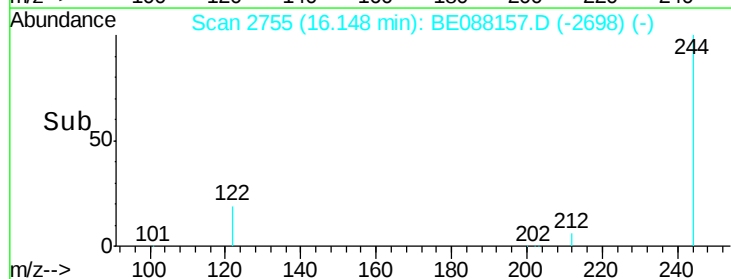
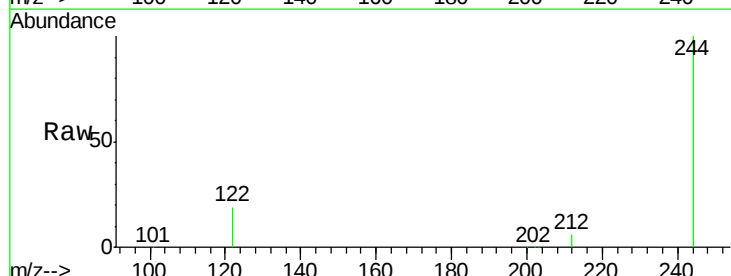
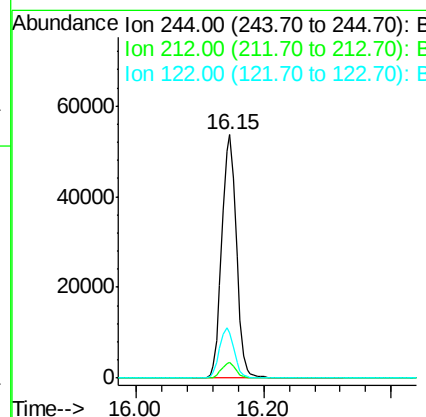
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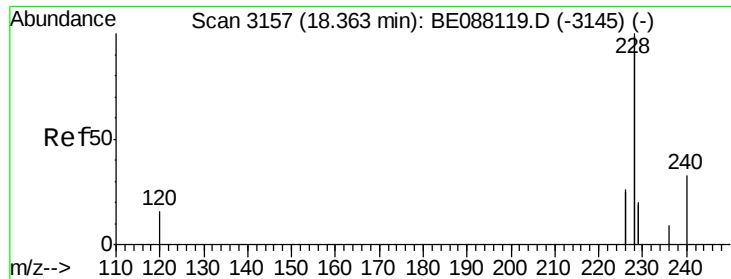
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#18
 Terphenyl-d14
 Concen: 9.77 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088157.D
 Acq: 21 Oct 2014 23:34

Tgt Ion:	244	Resp:	84670
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	18.7	17.5	26.3





#19

Benzo(a)anthracene

Concen: 0.15 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088157.D

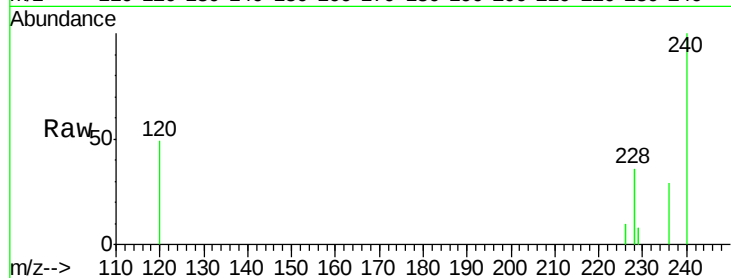
Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

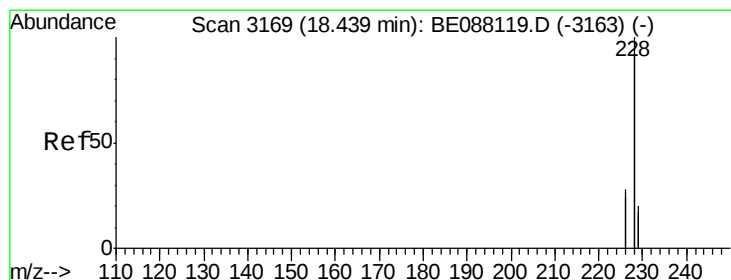
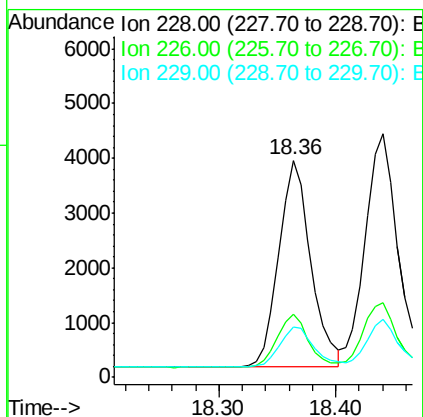
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	20.8	31.2
229	23.3	15.6	23.4

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#20

Chrysene

Concen: 0.18 ng m

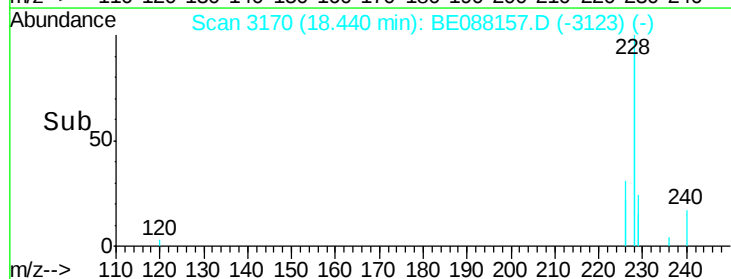
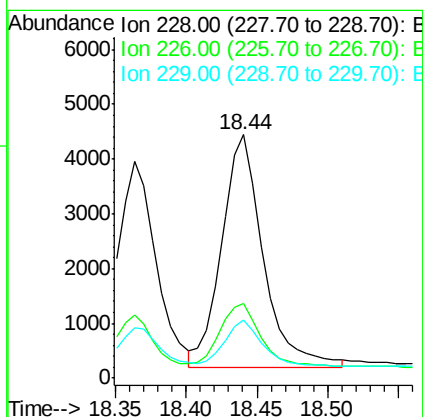
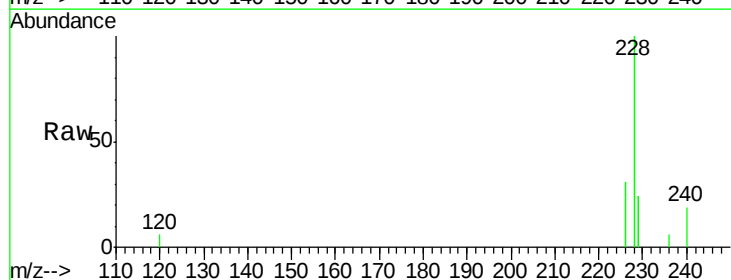
RT: 18.44 min Scan# 3170

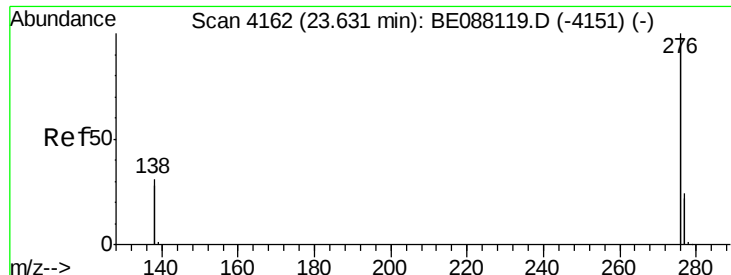
Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

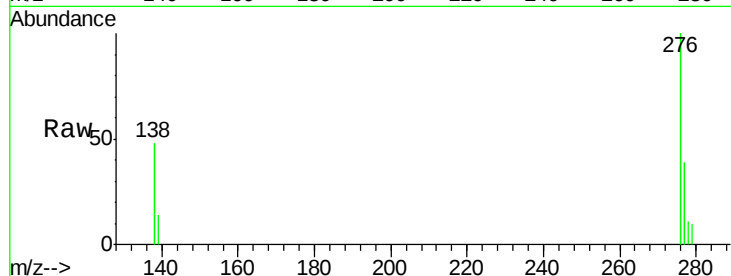
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.7	34.1
229	23.7	15.8	23.6#





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng m
RT: 23.63 min Scan# 4163
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

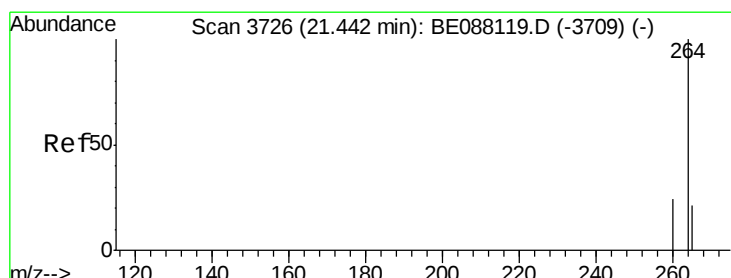
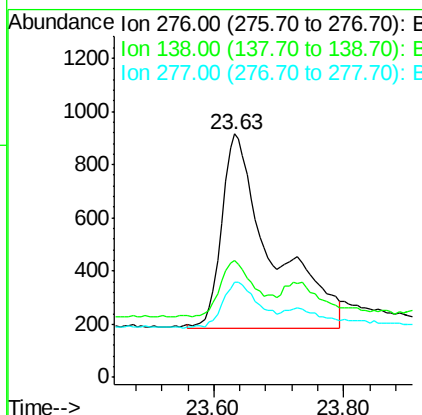
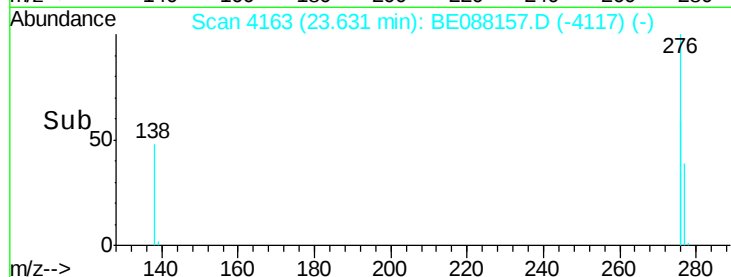
Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014



Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.5	27.7
277	17.2	14.6	21.8

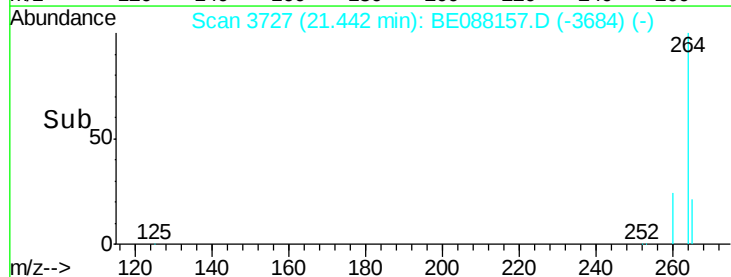
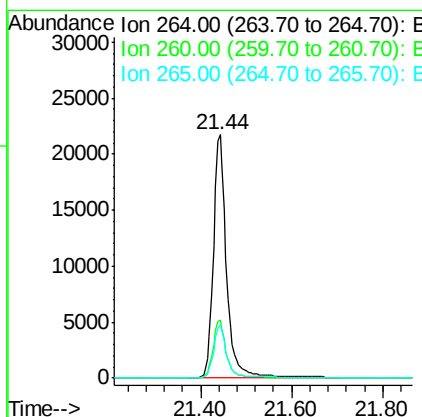
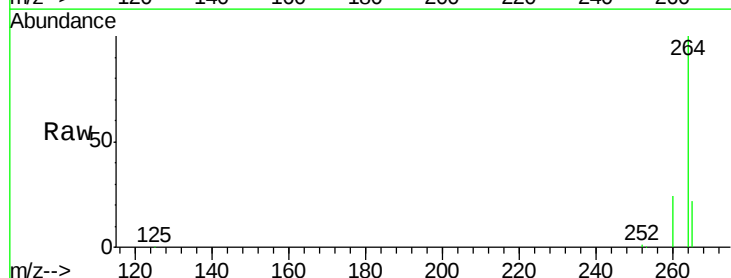
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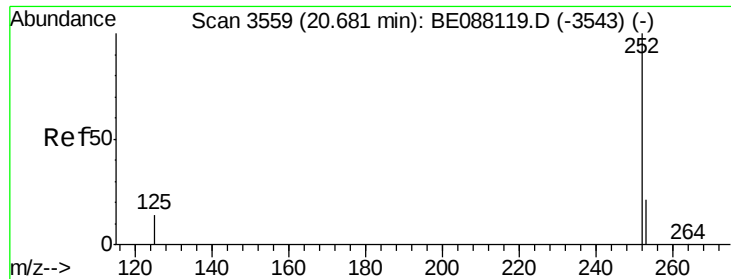
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.7	17.2	25.8





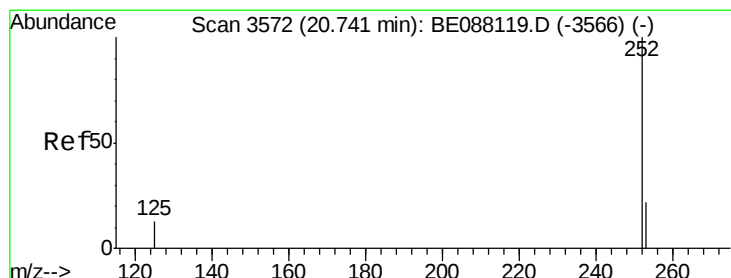
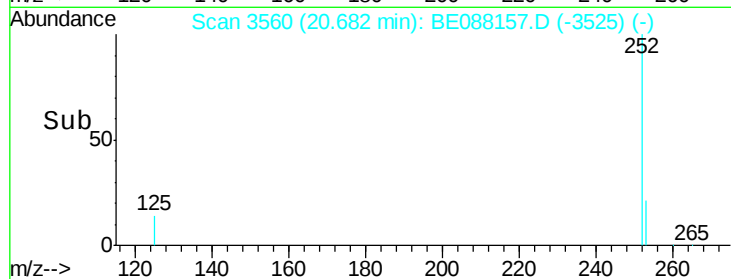
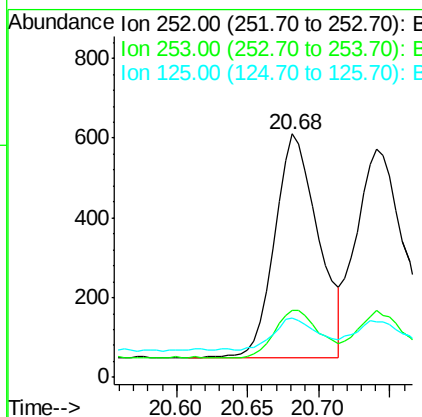
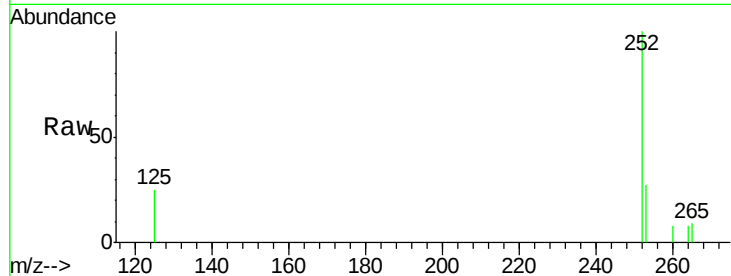
#23
Benzo(b)fluoranthene
Concen: 0.12 ng
RT: 20.68 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.0#
125	24.5	11.8	17.8#

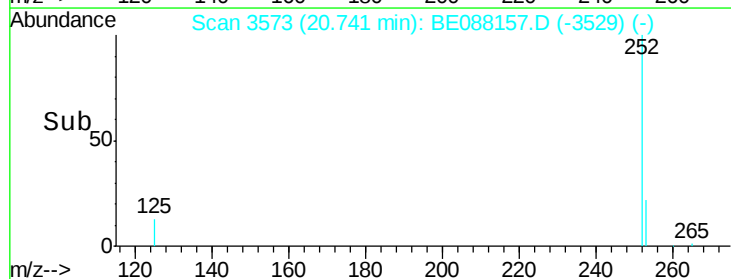
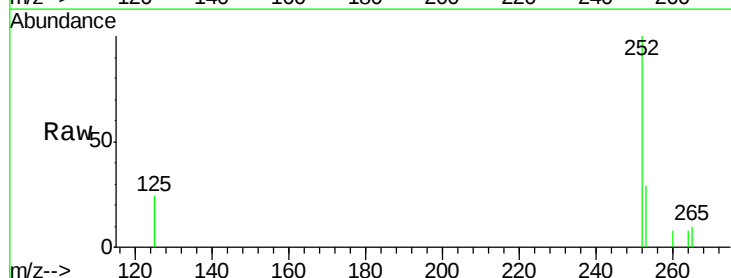
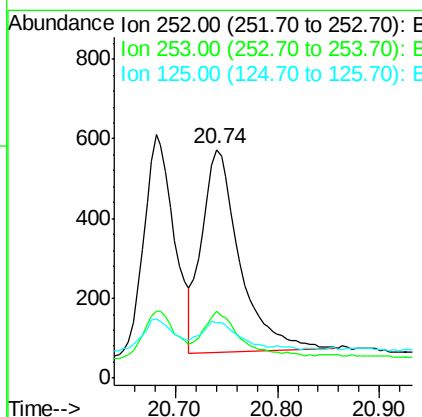
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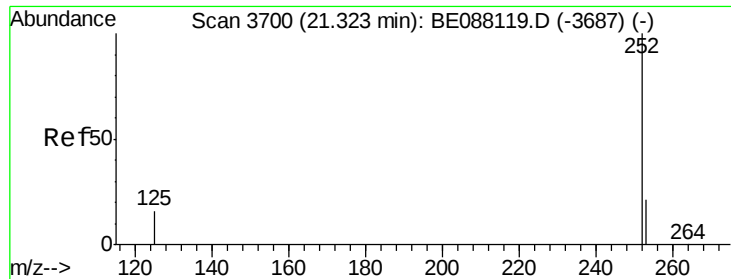
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#24
Benzo(k)fluoranthene
Concen: 0.12 ng
RT: 20.74 min Scan# 3573
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.6	26.4#
125	24.0	11.5	17.3#





#25

Benzo(a)pyrene

Concen: 0.10 ng

RT: 21.32 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BE088157.D

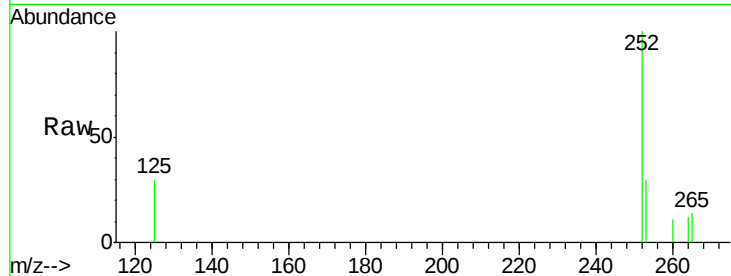
Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

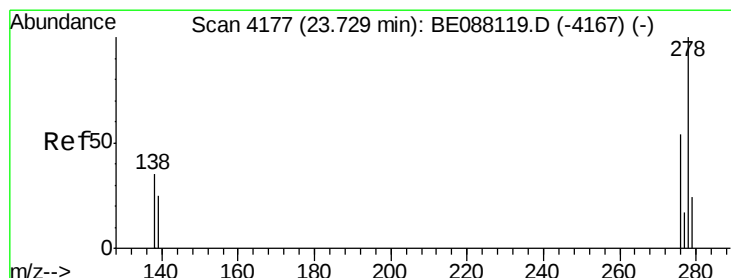
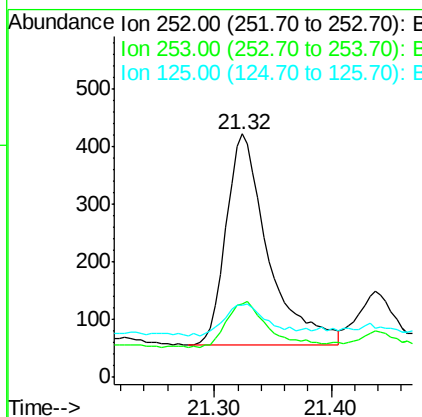
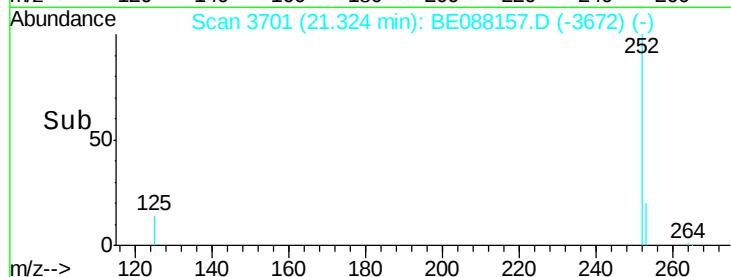
YS19-SW14-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.5	26.3#
125	29.6	13.0	19.6#

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#26

Dibenzo(a,h)anthracene

Concen: 0.08 ng

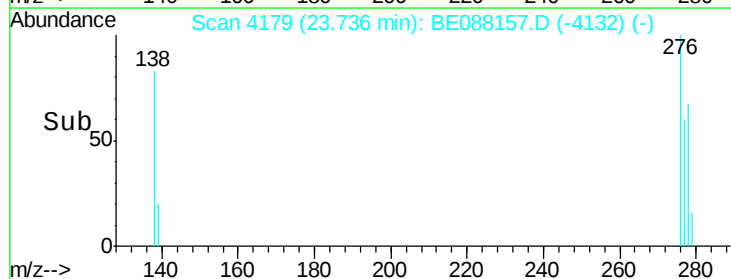
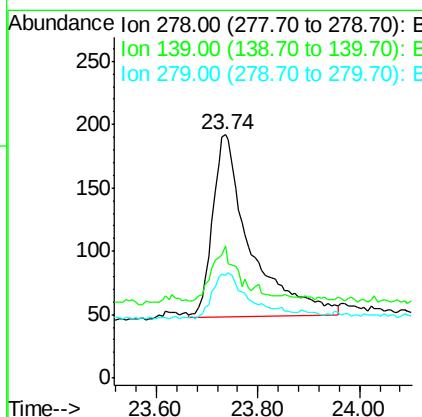
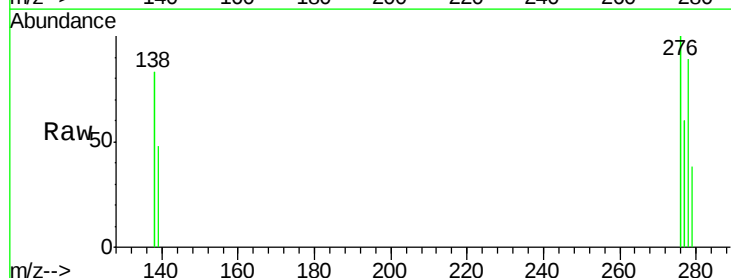
RT: 23.74 min Scan# 4179

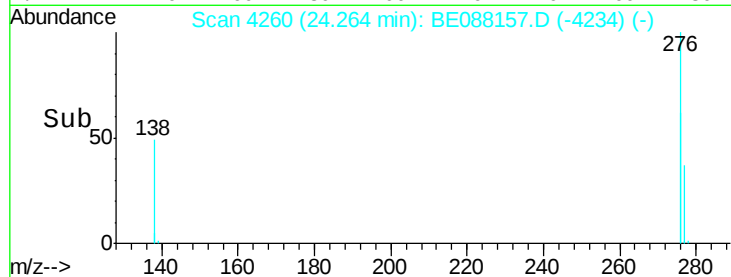
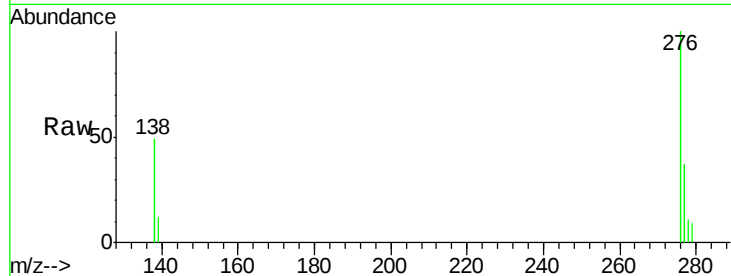
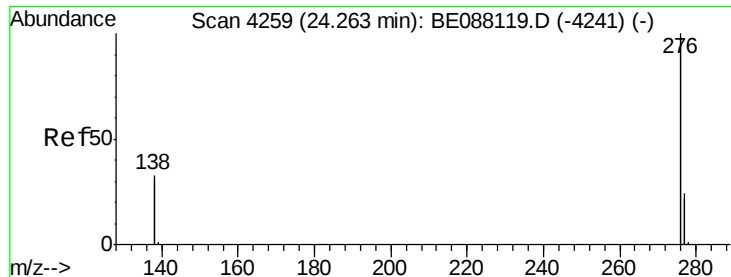
Delta R.T. 0.01 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	54.2	20.9	31.3#
279	42.2	19.8	29.8#





#27
Benzo(g,h,i)perylene
Concen: 0.10 ng
RT: 24.26 min Scan# 4260
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	36.9	19.2	28.8#
138	49.2	26.6	40.0#

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

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