

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088129.D
 Acq On : 21 Oct 2014 7:26
 Operator : TP/JJ
 Sample : F4244-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-GW13-1014

Manual Integrations
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 10/22/2014 1:52:11 PM

Quant Time: Oct 21 08:15:53 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	39683	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	146273	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	64701	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	115572	5.00	ng	0.00
16) Chrysene-d12	18.38	240	81852	5.00	ng	0.00
22) Perylene-d12	21.44	264	80744	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	64044	6.07	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	112321	6.28	ng	0.00
18) Terphenyl-d14	16.15	244	107489	8.16	ng	0.00
Target Compounds						Qvalue
15) Fluoranthene	15.25	202	1621	0.07	ng	99
17) Pyrene	15.70	202	1853	0.08	ng	98
19) Benzo(a)anthracene	18.36	228	6883	0.09	ng	# 93
20) Chrysene	18.44	228	7384	0.10	ng	94
21) Indeno(1,2,3-cd)pyrene	23.63	276	5199m	0.07	ng	
23) Benzo(b)fluoranthene	20.68	252	1445	0.08	ng	# 86
24) Benzo(k)fluoranthene	20.74	252	1559	0.08	ng	# 87
25) Benzo(a)pyrene	21.32	252	1062	0.06	ng	# 82
26) Dibenzo(a,h)anthracene	23.73	278	1036	0.06	ng	# 75
27) Benzo(g,h,i)perylene	24.26	276	4740	0.06	ng	# 84

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

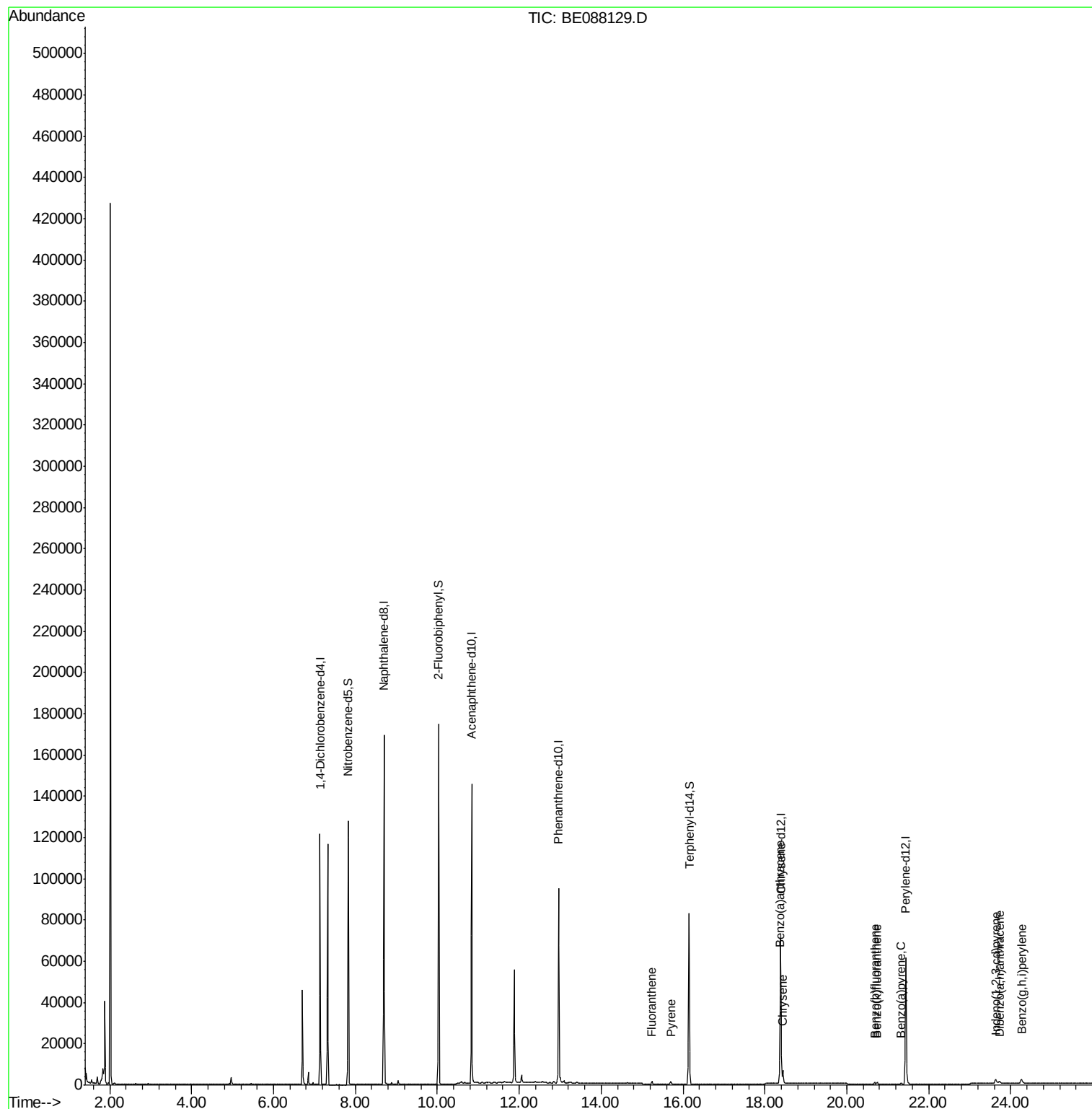
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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Acq On : 21 Oct 2014 7:26
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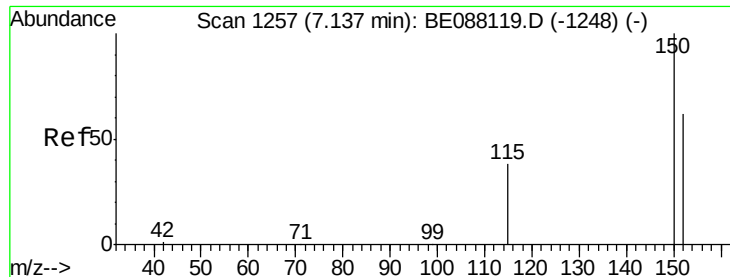
Instrument :
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YS19-GW13-1014

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Quant Time: Oct 21 08:15:53 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BE088129.D

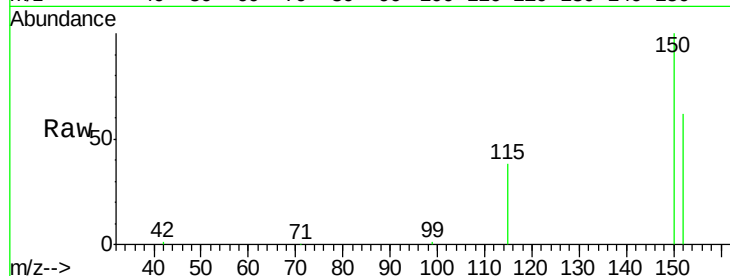
Acq: 21 Oct 2014 7:26

Instrument :

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ClientSampleId :

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Tgt Ion:152 Resp: 39683

Ion Ratio Lower Upper

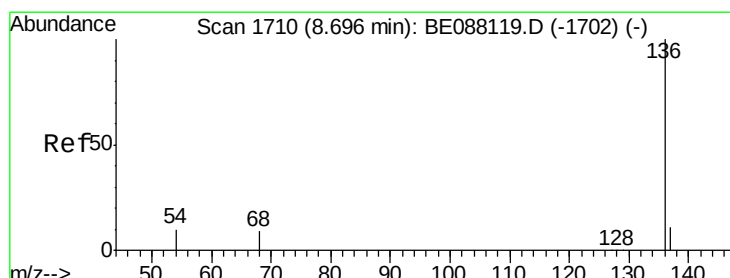
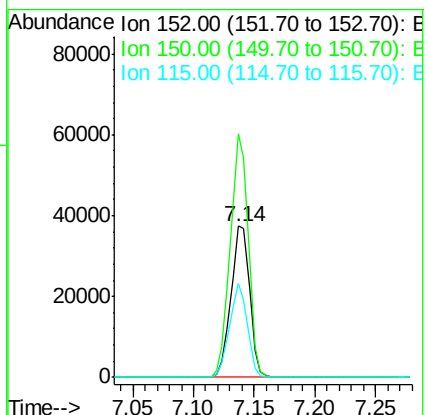
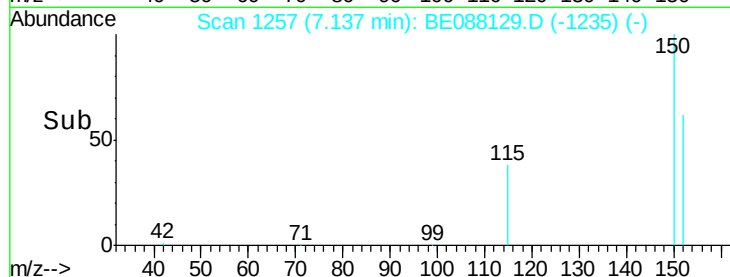
152 100

150 161.3 129.2 193.8

115 61.9 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: BE088129.D

Acq: 21 Oct 2014 7:26

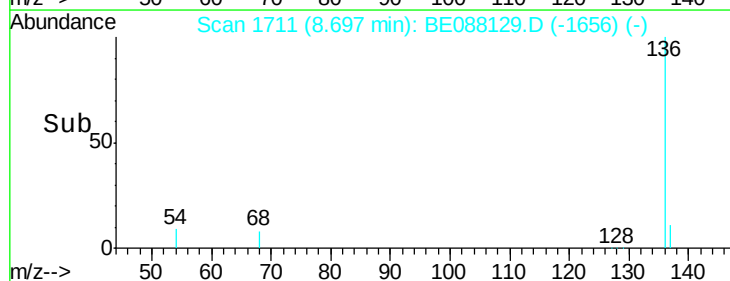
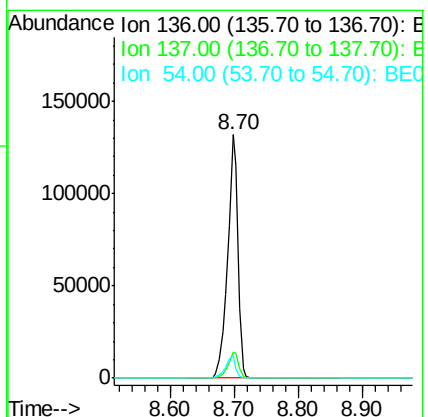
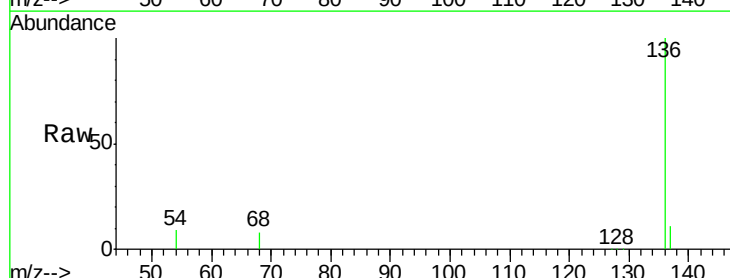
Tgt Ion:136 Resp: 146273

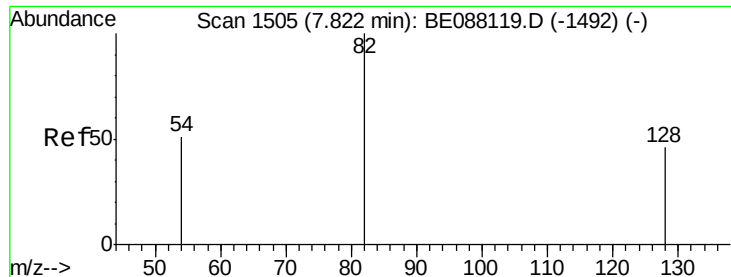
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 9.1 7.7 11.5





#4

Nitrobenzene-d5

Concen: 6.07 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088129.D

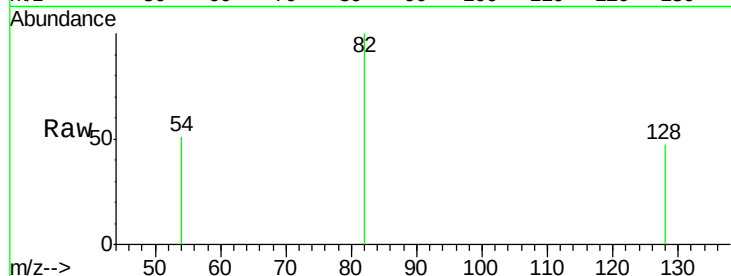
Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

ClientSampleId :

YS19-GW13-1014



Tgt Ion: 82 Resp: 64044

Ion Ratio Lower Upper

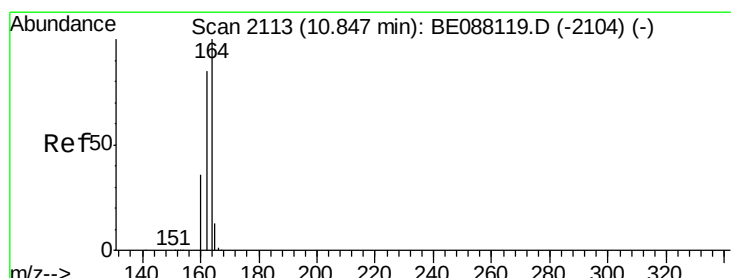
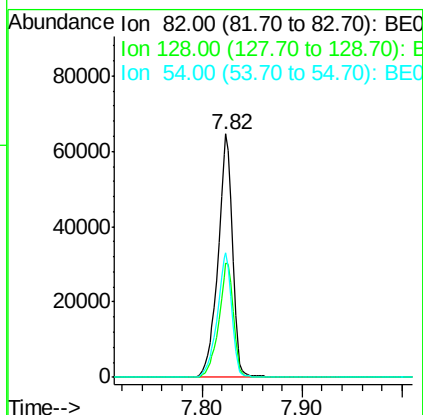
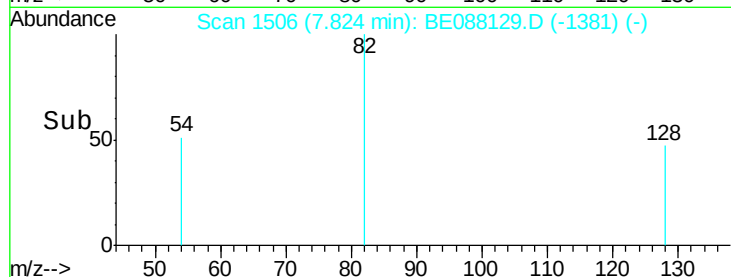
82 100

128 47.1 37.1 55.7

54 51.0 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: BE088129.D

Acq: 21 Oct 2014 7:26

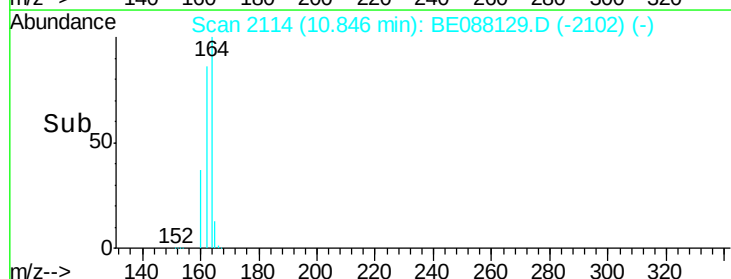
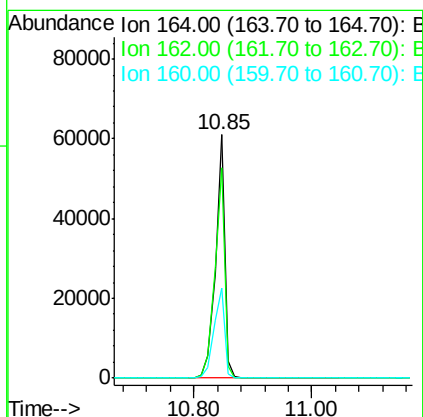
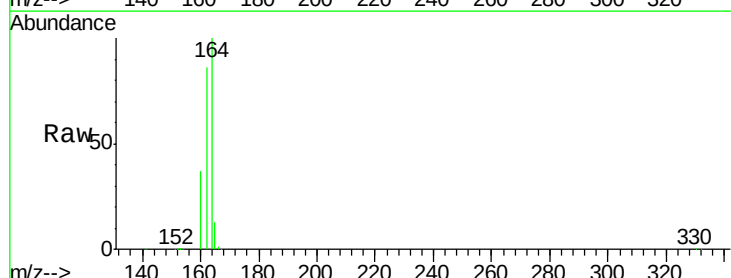
Tgt Ion: 164 Resp: 64701

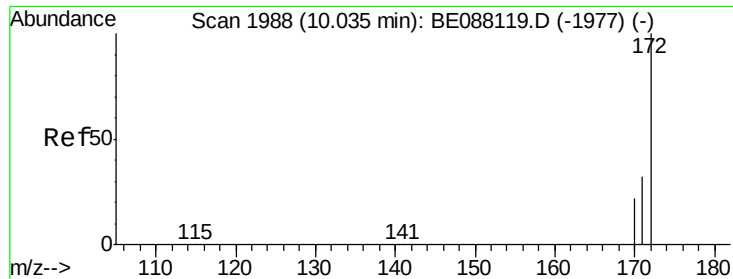
Ion Ratio Lower Upper

164 100

162 86.2 68.3 102.5

160 36.8 28.7 43.1





#8

2-Fluorobiphenyl

Concen: 6.28 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

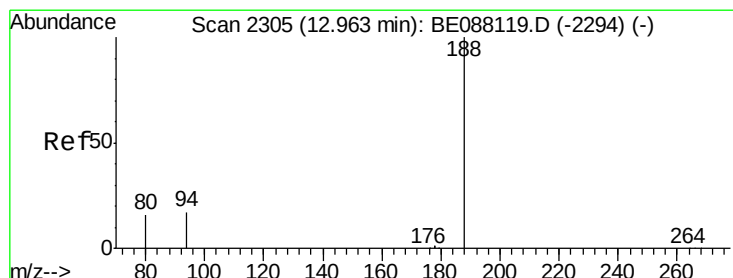
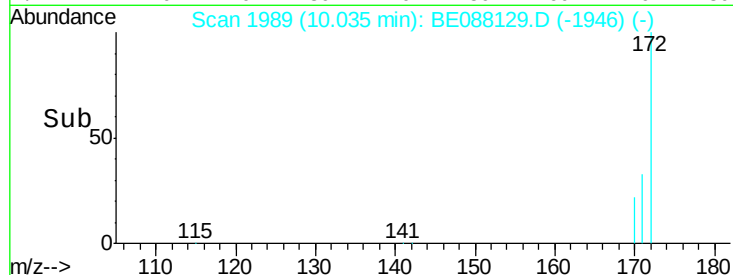
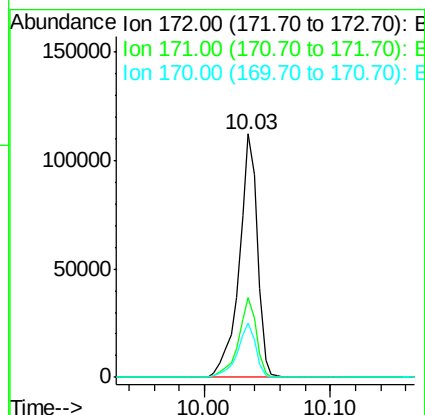
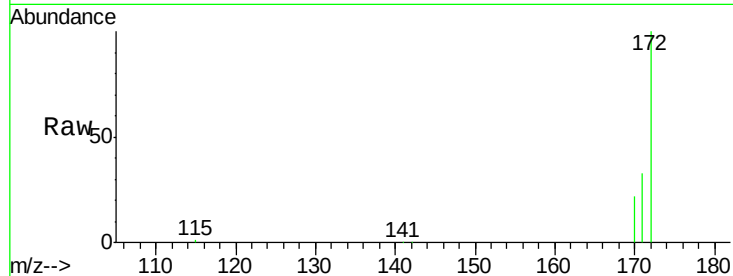
ClientSampleId :

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Tgt Ion:	172	Resp:	112321
Ion Ratio	Lower	Upper	
172	100		
171	32.6	25.4	38.2
170	22.3	17.4	26.2

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#12

Phenanthrene-d10

Concen: 5.00 ng

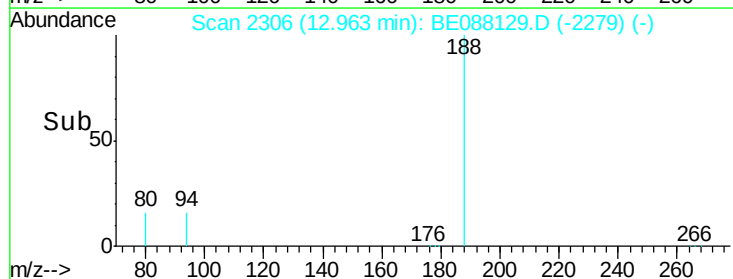
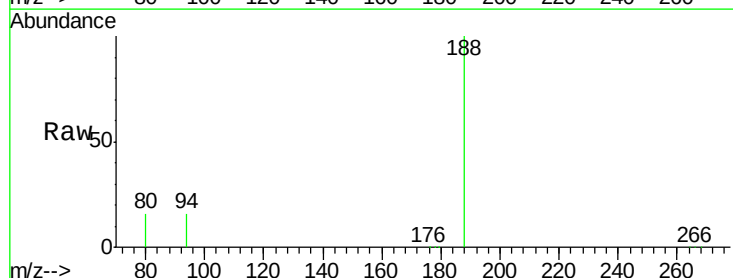
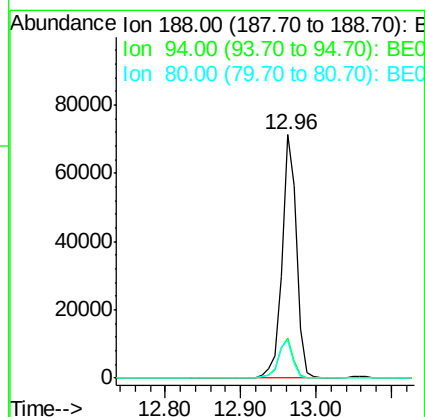
RT: 12.96 min Scan# 2306

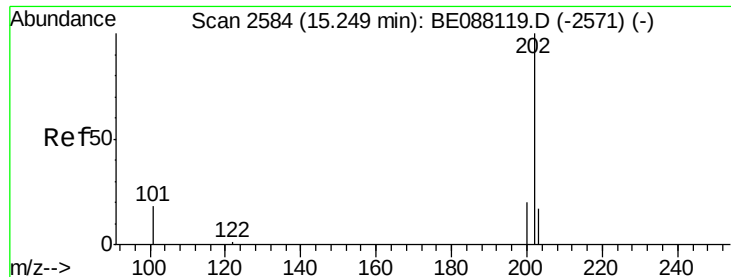
Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Tgt Ion:	188	Resp:	115572
Ion Ratio	Lower	Upper	
188	100		
94	16.4	13.9	20.9
80	15.5	12.9	19.3





#15

Fluoranthene

Concen: 0.07 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088129.D

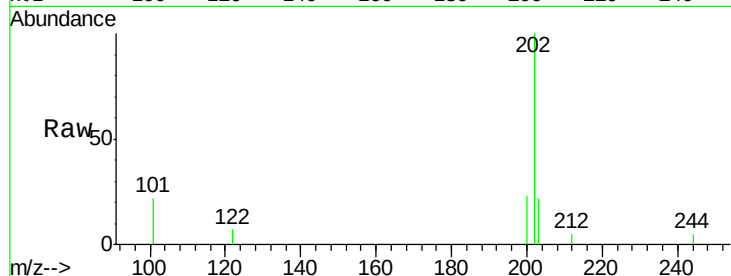
Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

ClientSampleId :

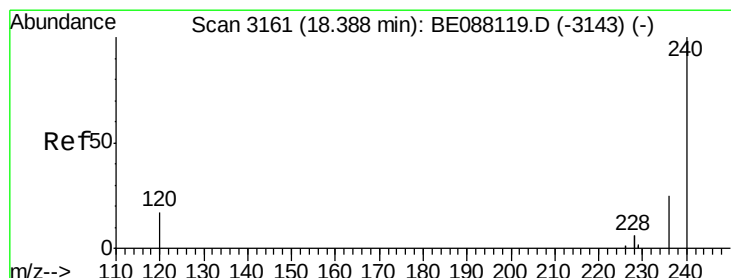
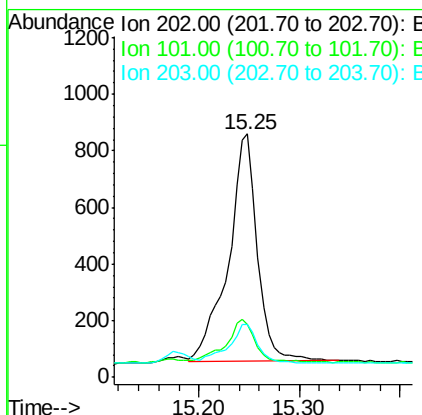
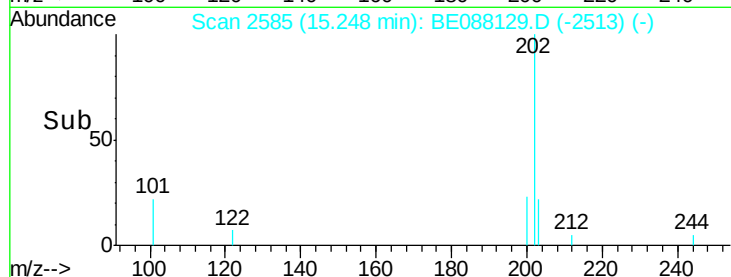
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1621		
101	17.6	14.8	22.2	
203	17.0	13.5	20.3	

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#16

Chrysene-d12

Concen: 5.00 ng

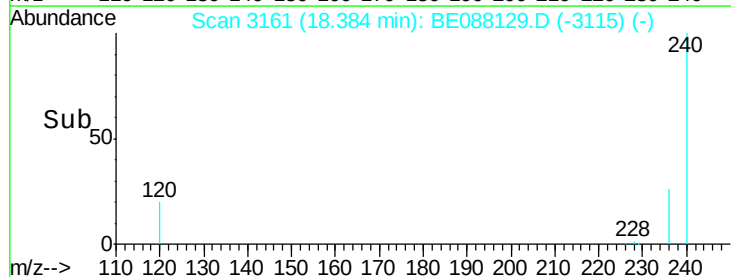
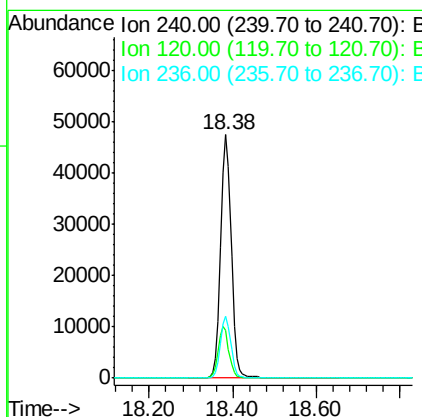
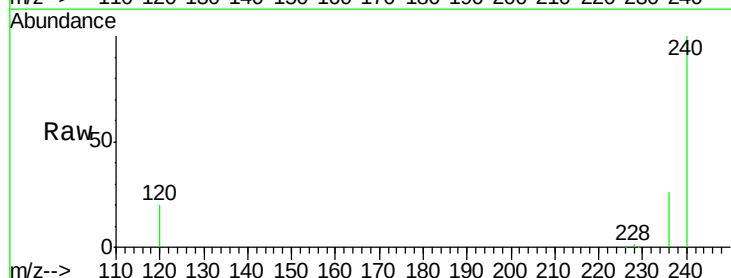
RT: 18.38 min Scan# 3161

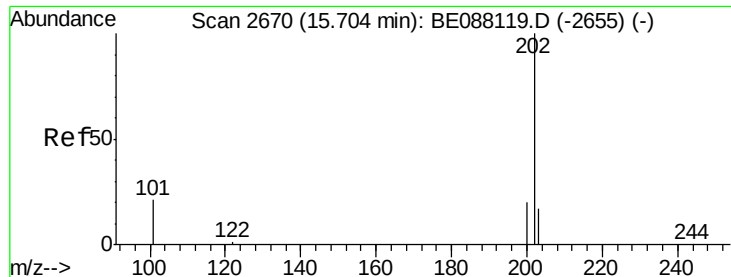
Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	81852		
120	19.7	13.9	20.9	
236	25.6	19.9	29.9	





#17

Pyrene

Concen: 0.08 ng

RT: 15.70 min Scan# 2671

Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

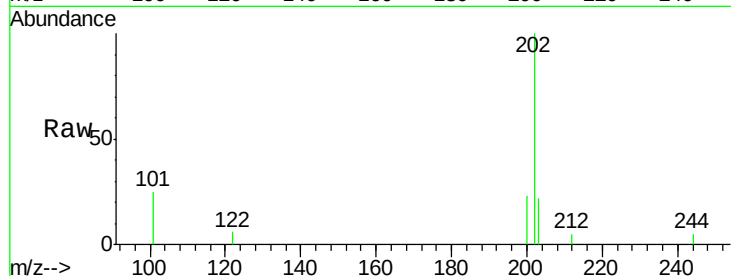
ClientSampleId :

YS19-GW13-1014

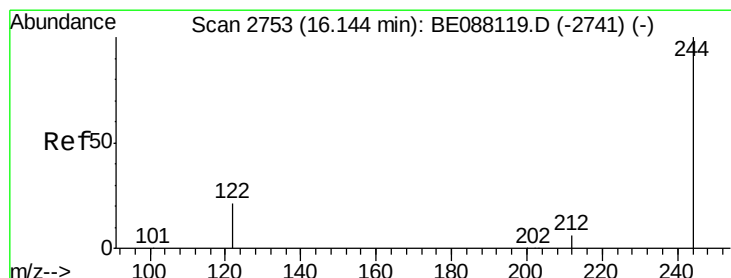
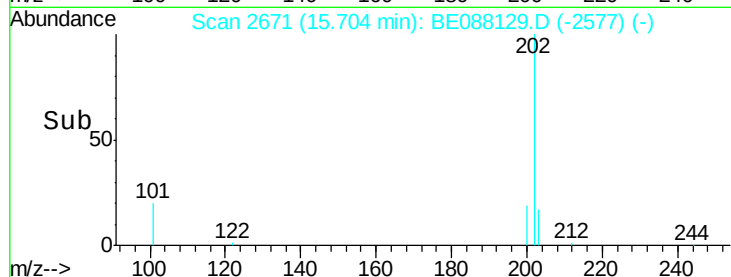
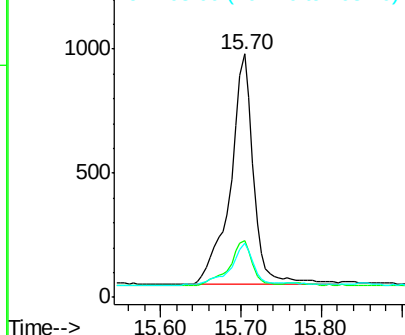
Tgt Ion:	202	Resp:	1853
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.1	24.1
203	18.1	13.9	20.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 8.16 ng

RT: 16.15 min Scan# 2755

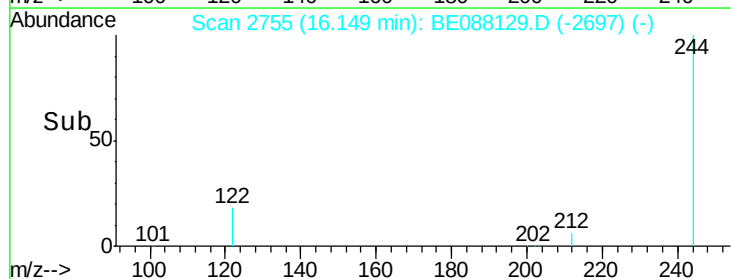
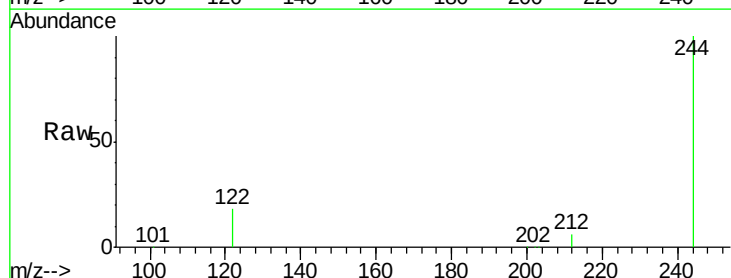
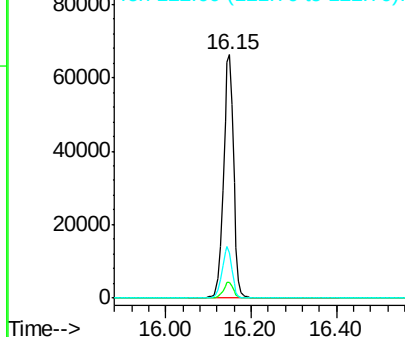
Delta R.T. 0.00 min

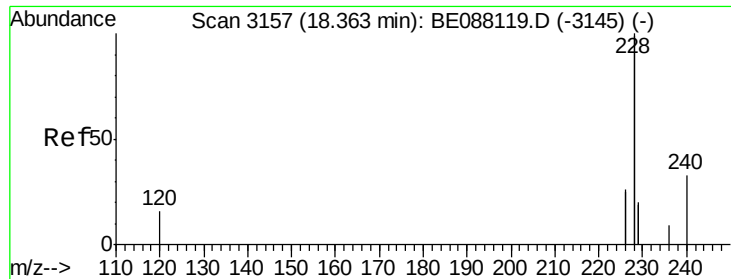
Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Tgt Ion:	244	Resp:	107489
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	18.3	17.5	26.3

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.09 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088129.D

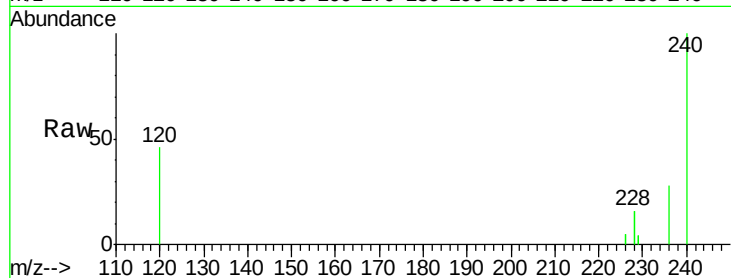
Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

ClientSampleId :

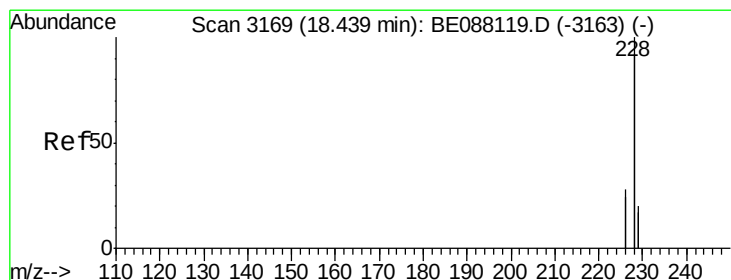
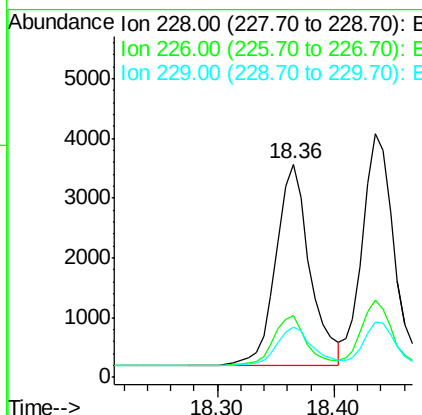
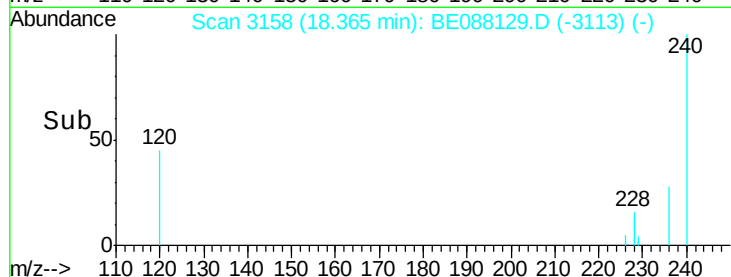
YS19-GW13-1014



Tgt Ion:	228	Resp:	6883
Ion Ratio	Lower	Upper	
228	100		
226	28.8	20.8	31.2
229	23.7	15.6	23.4

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#20

Chrysene

Concen: 0.10 ng

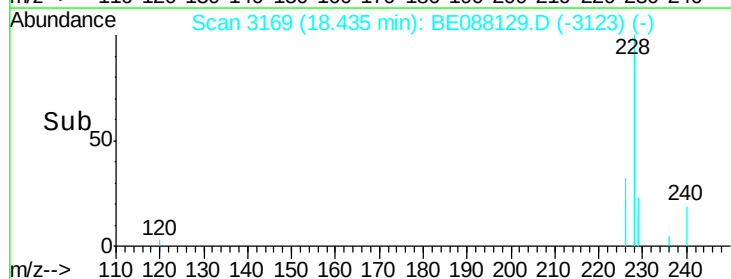
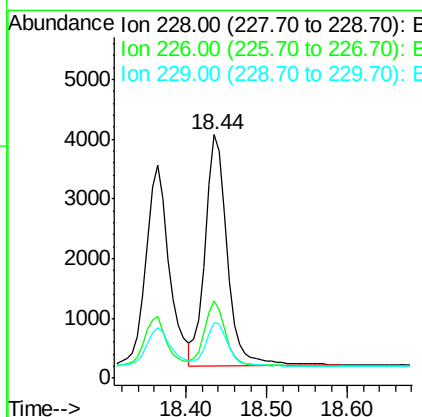
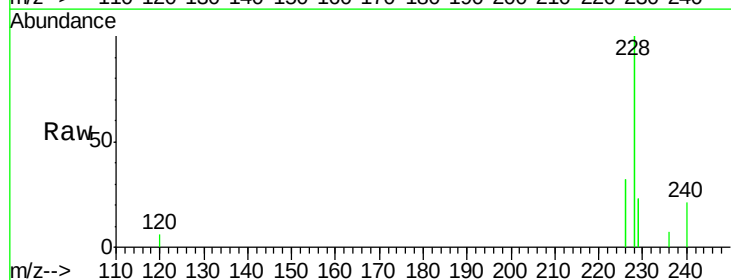
RT: 18.44 min Scan# 3169

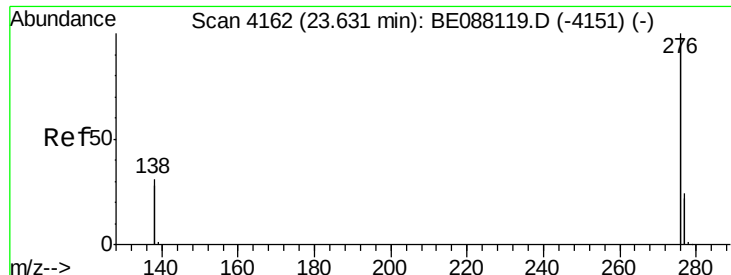
Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Tgt Ion:	228	Resp:	7384
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.7	34.1
229	22.8	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: BE088129.D

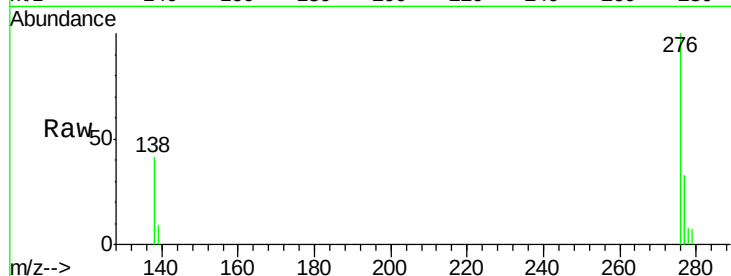
Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

ClientSampleId :

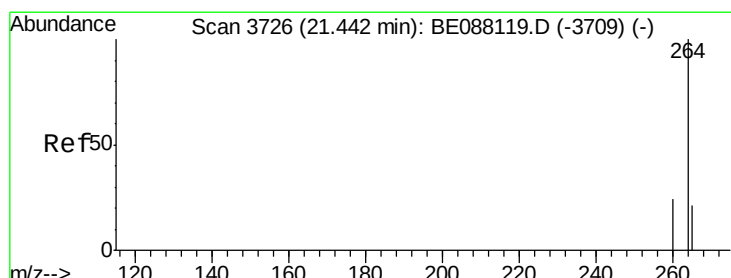
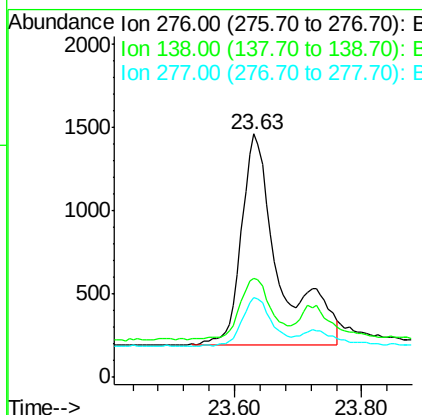
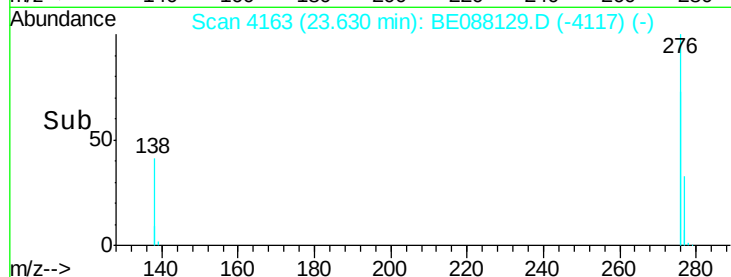
YS19-GW13-1014



Tgt Ion:	276	Resp:	5199
Ion Ratio	Lower	Upper	
276	100		
138	24.5	18.5	27.7
277	17.8	14.6	21.8

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#22

Perylene-d12

Concen: 5.00 ng

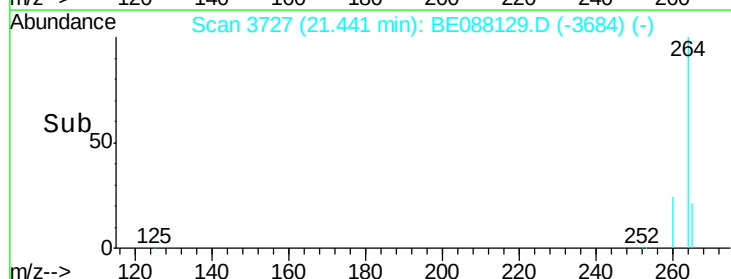
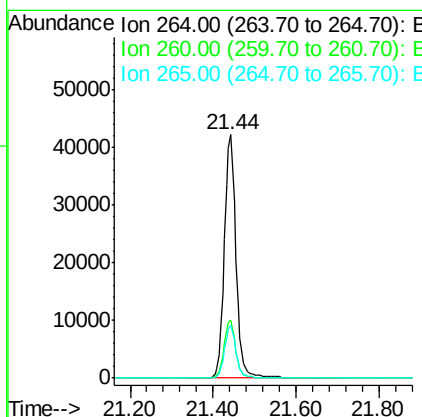
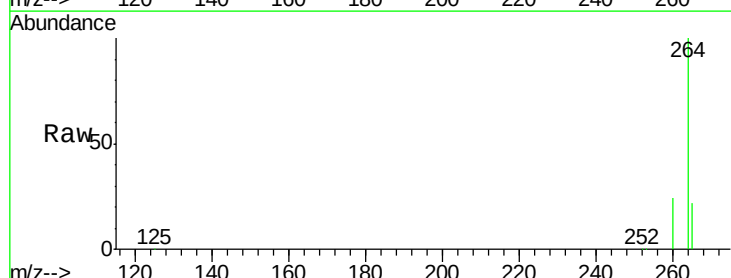
RT: 21.44 min Scan# 3727

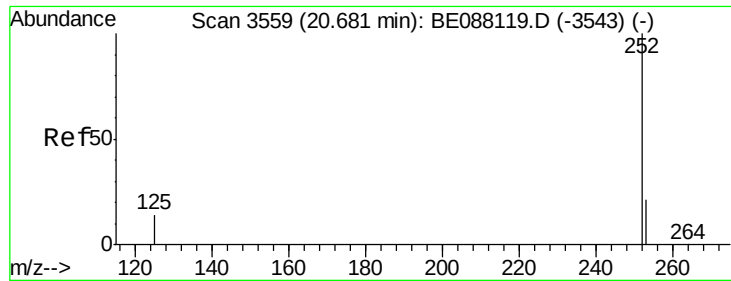
Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

Tgt Ion:	264	Resp:	80744
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.4
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.08 ng

RT: 20.68 min Scan# 3560

Delta R.T. -0.00 min

Lab File: BE088129.D

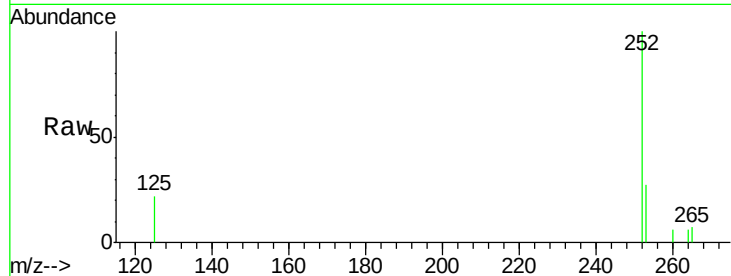
Acq: 21 Oct 2014 7:26

Instrument :

BNA_E

ClientSampleId :

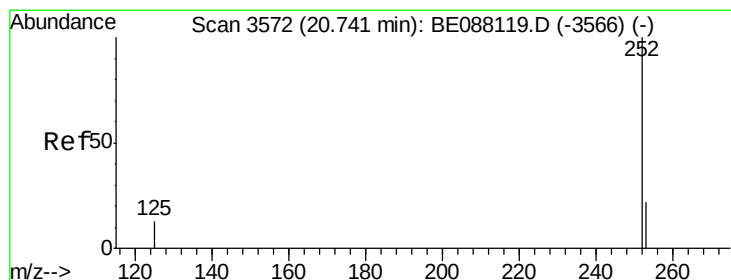
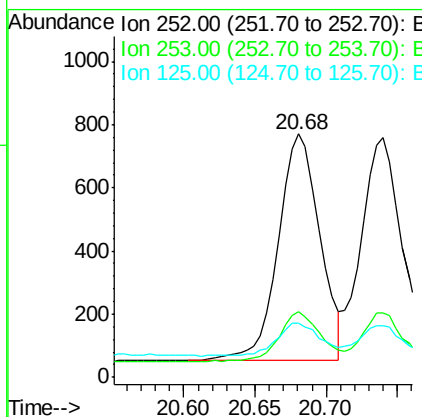
YS19-GW13-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.4	26.0#
125	22.2	11.8	17.8#

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#24

Benzo(k)fluoranthene

Concen: 0.08 ng

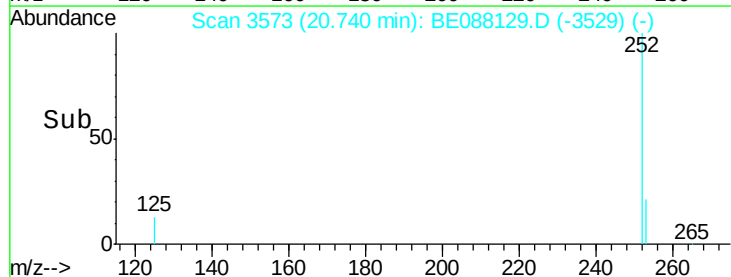
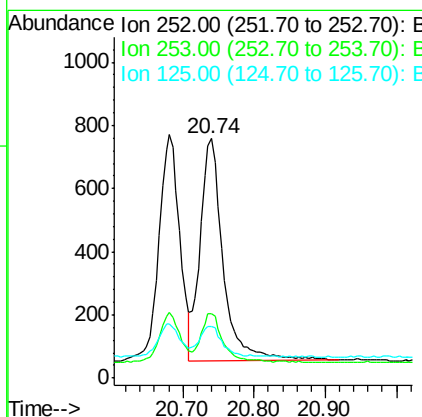
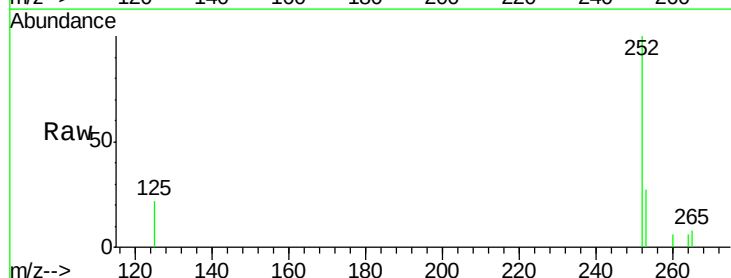
RT: 20.74 min Scan# 3573

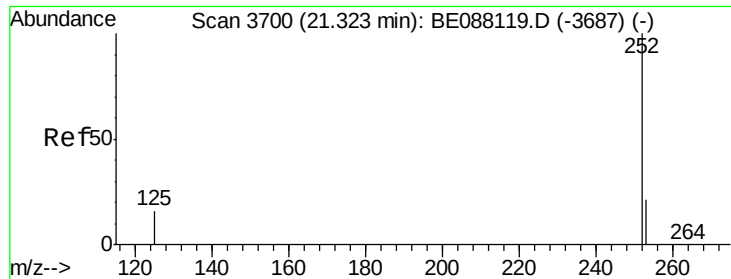
Delta R.T. -0.00 min

Lab File: BE088129.D

Acq: 21 Oct 2014 7:26

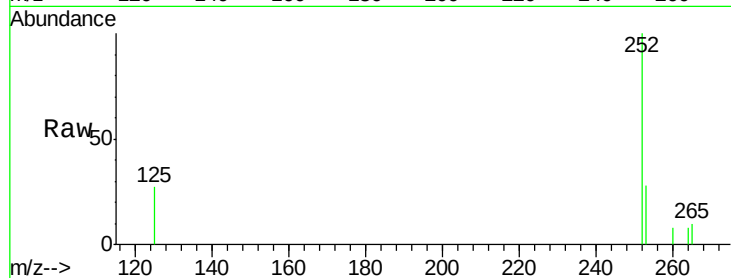
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.6	26.4#
125	21.5	11.5	17.3#





#25
Benzo(a)pyrene
Concen: 0.06 ng
RT: 21.32 min Scan# 3701
Delta R.T. -0.00 min
Lab File: BE088129.D
Acq: 21 Oct 2014 7:26

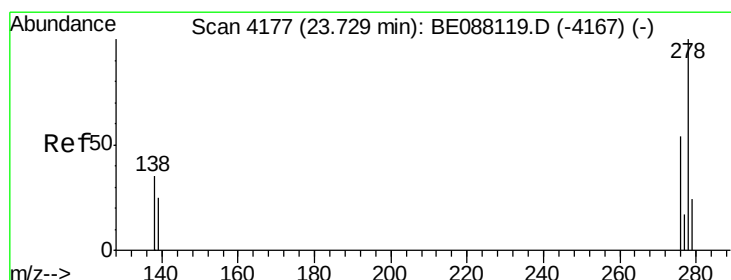
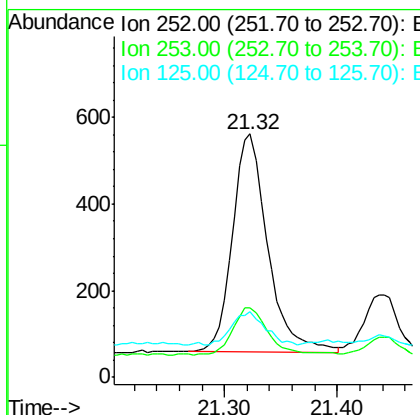
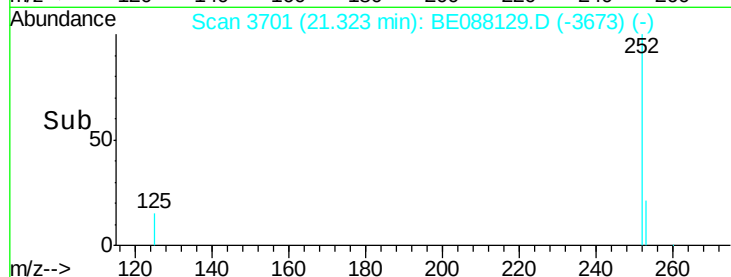
Instrument :
BNA_E
ClientSampleId :
YS19-GW13-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.5	26.3#
125	27.0	13.0	19.6#

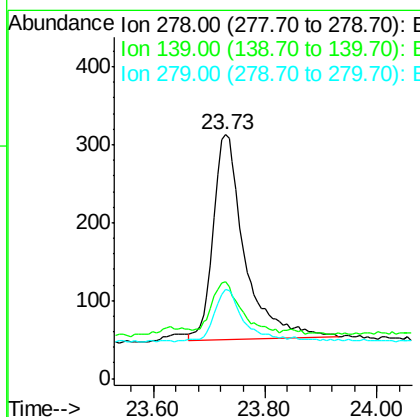
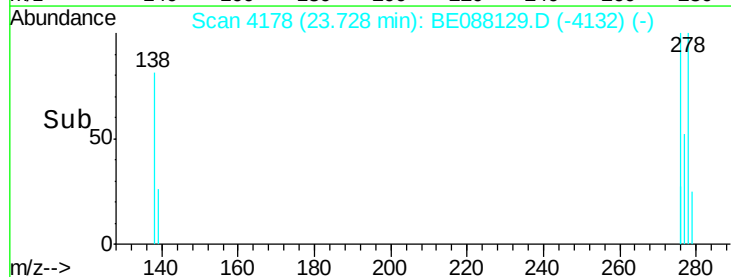
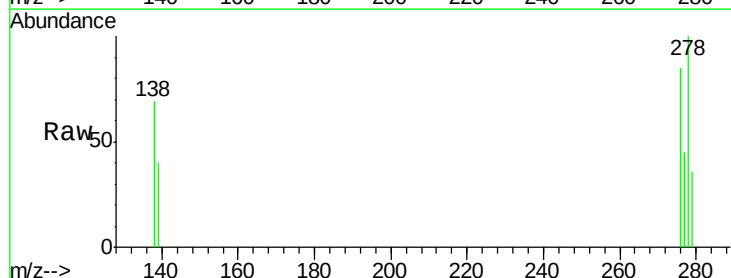
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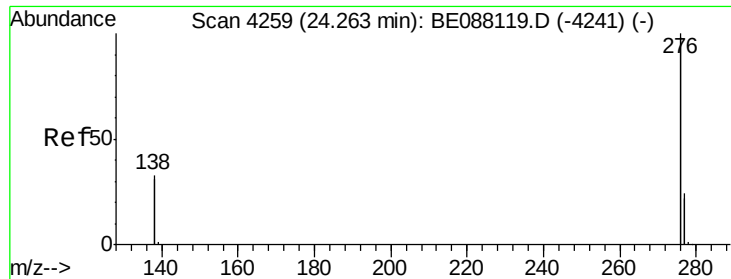
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#26
Dibenzo(a,h)anthracene
Concen: 0.06 ng
RT: 23.73 min Scan# 4178
Delta R.T. -0.00 min
Lab File: BE088129.D
Acq: 21 Oct 2014 7:26

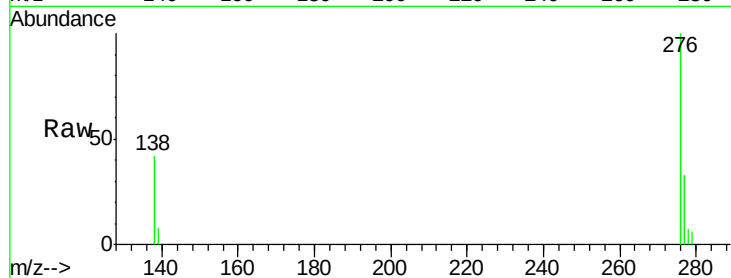
Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.6	20.9	31.3#
279	36.4	19.8	29.8#





#27
 Benzo(g,h,i)perylene
 Concen: 0.06 ng
 RT: 24.26 min Scan# 4260
 Delta R.T. -0.00 min
 Lab File: BE088129.D
 Acq: 21 Oct 2014 7:26

Instrument :
 BNA_E
 ClientSampleId :
 YS19-GW13-1014



Tgt	Ion	Ratio	Lower	Upper
276	100			
277	32.9	19.2	28.8#	
138	41.6	26.6	40.0#	

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