

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088146.D
 Acq On : 21 Oct 2014 17:27
 Operator : TP/JJ
 Sample : F4351-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW02-1014

Manual Integrations
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Quant Time: Oct 22 04:50:03 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	39672	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	148285	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	67844	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	122076	5.00	ng	0.00
16) Chrysene-d12	18.38	240	82299	5.00	ng	0.00
22) Perylene-d12	21.44	264	75300	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	56748	5.31	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	104131	5.56	ng	0.00
18) Terphenyl-d14	16.15	244	108949	8.23	ng	0.00
Target Compounds						Qvalue
14) Anthracene	13.09	178	2310m	0.02	ng	
15) Fluoranthene	15.25	202	1074	0.05	ng	98
17) Pyrene	15.70	202	1054	0.05	ng	99
19) Benzo(a)anthracene	18.36	228	3963	0.05	ng	# 85
20) Chrysene	18.44	228	4540	0.06	ng	# 88

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

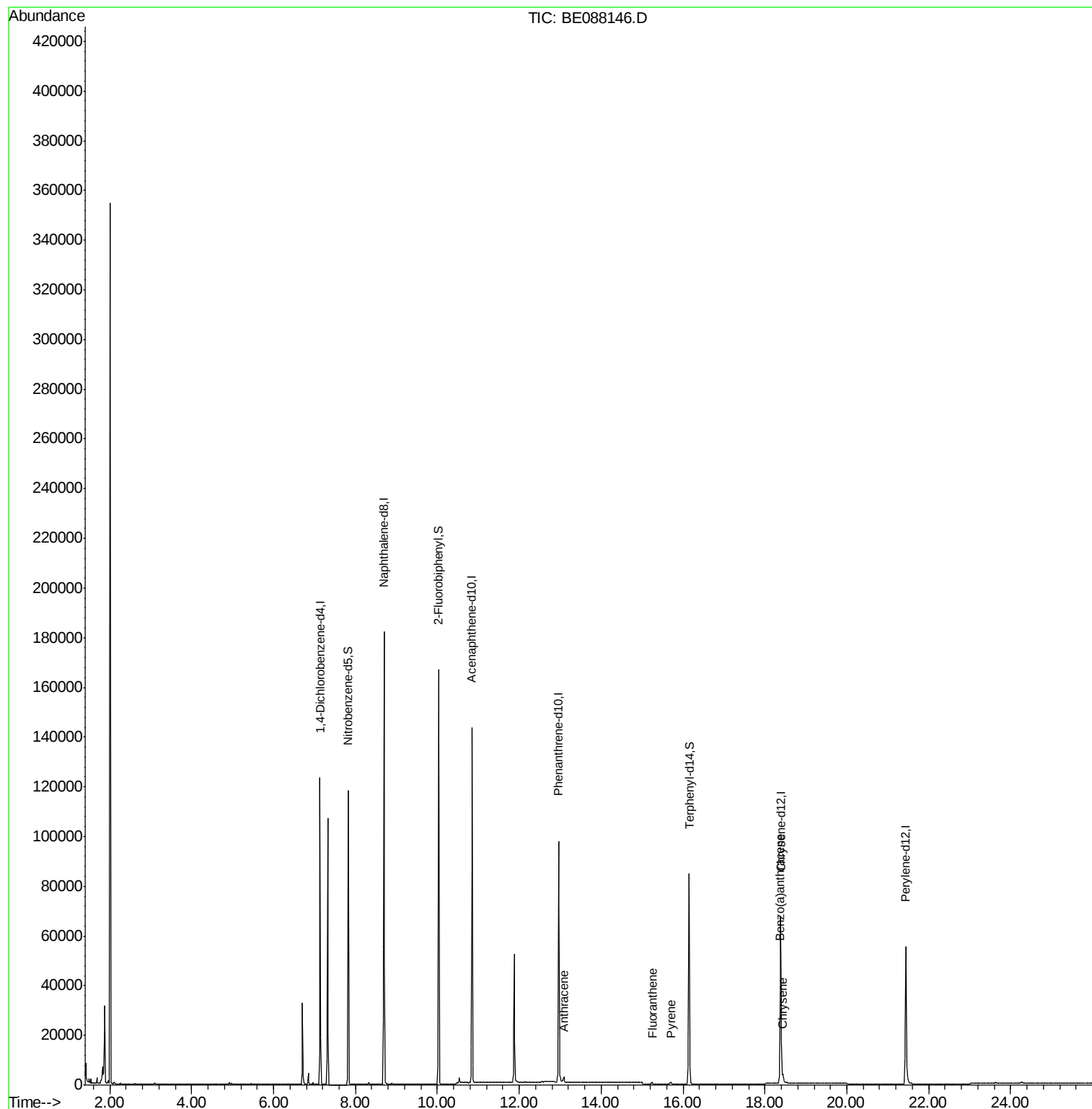
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088146.D
Acq On : 21 Oct 2014 17:27
Operator : TP/JJ
Sample : F4351-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

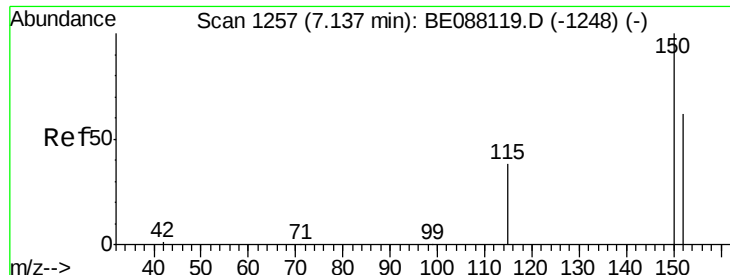
Instrument :
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Quant Time: Oct 22 04:50:03 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088146.D

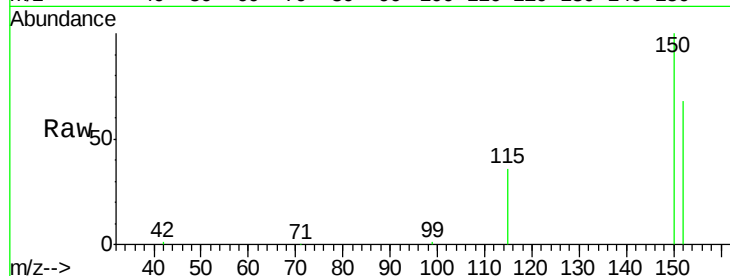
Acq: 21 Oct 2014 17:27

Instrument :

BNA_E

ClientSampleId :

YS19-SW02-1014



Tgt Ion:152 Resp: 39672

Ion Ratio Lower Upper

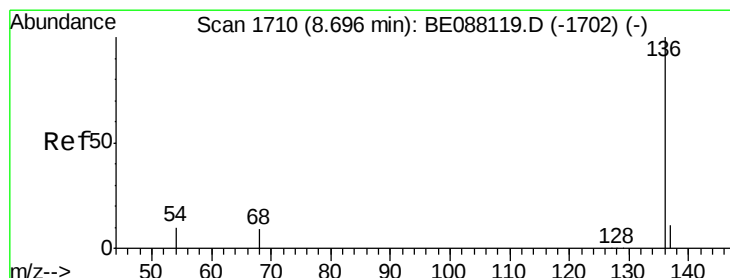
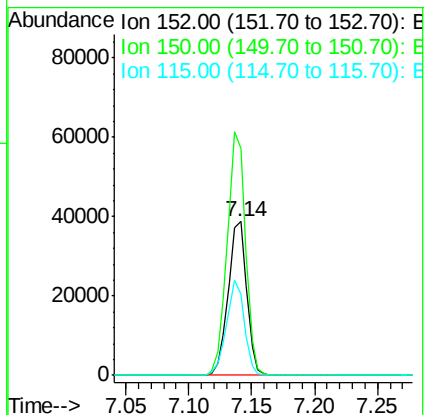
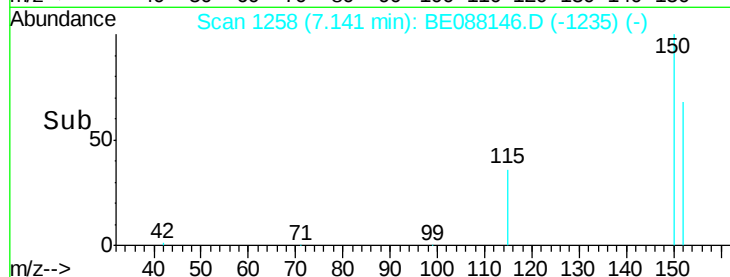
152 100

150 147.8 129.2 193.8

115 52.6 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: BE088146.D

Acq: 21 Oct 2014 17:27

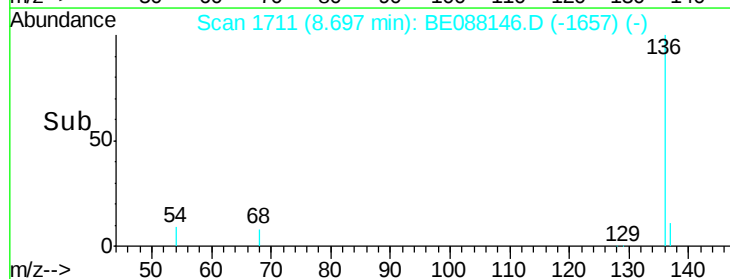
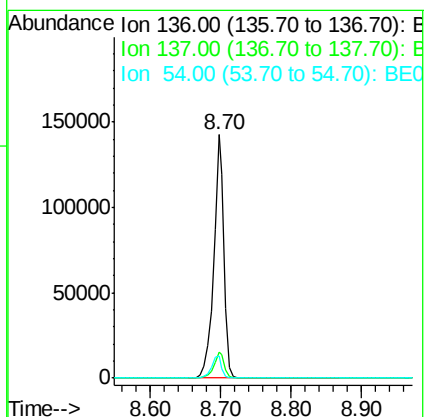
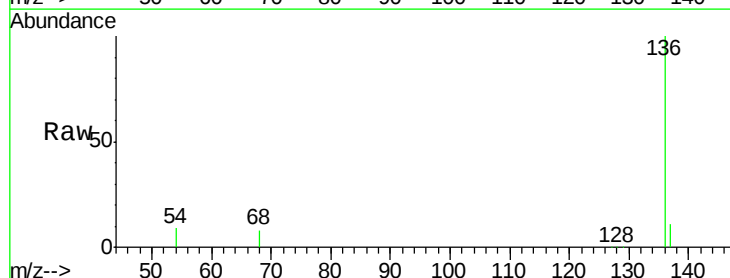
Tgt Ion:136 Resp: 148285

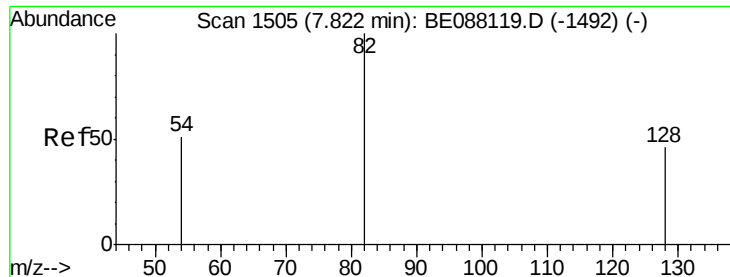
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 9.0 7.7 11.5





#4

Nitrobenzene-d5

Concen: 5.31 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088146.D

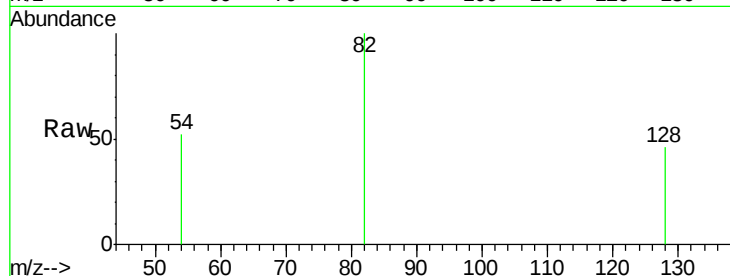
Acq: 21 Oct 2014 17:27

Instrument :

BNA_E

ClientSampleId :

YS19-SW02-1014



Tgt Ion: 82 Resp: 56748

Ion Ratio Lower Upper

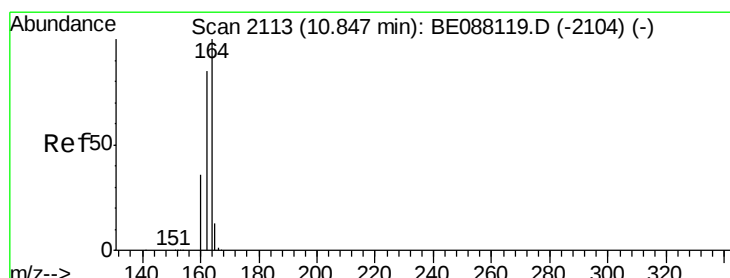
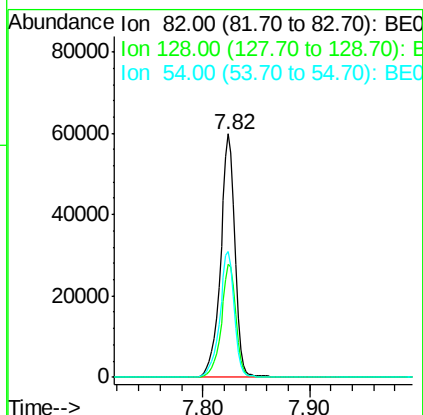
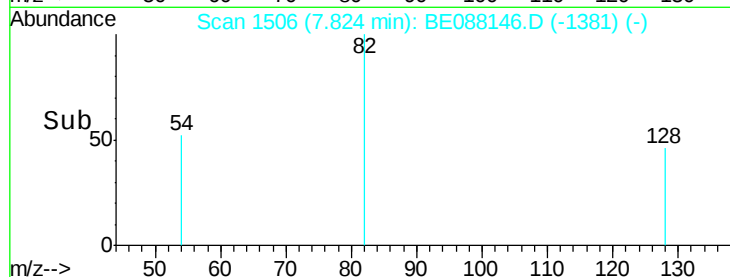
82 100

128 46.5 37.1 55.7

54 51.8 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: BE088146.D

Acq: 21 Oct 2014 17:27

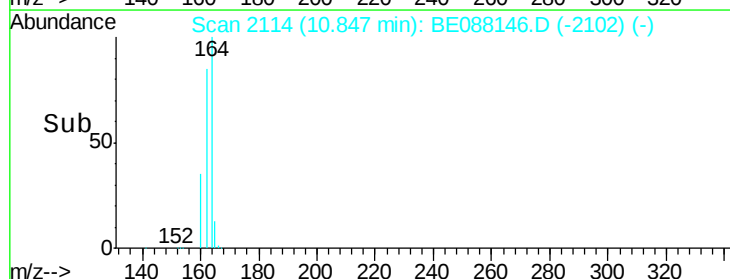
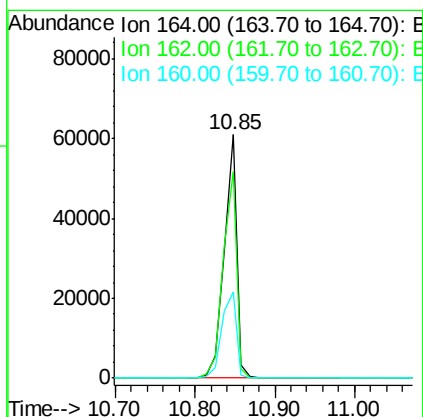
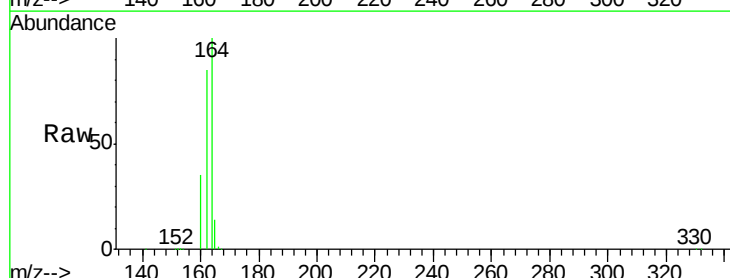
Tgt Ion: 164 Resp: 67844

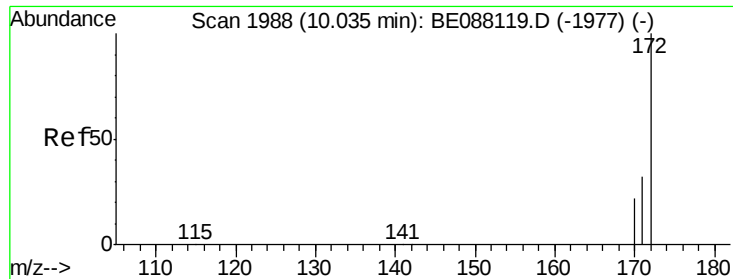
Ion Ratio Lower Upper

164 100

162 84.6 68.3 102.5

160 35.4 28.7 43.1





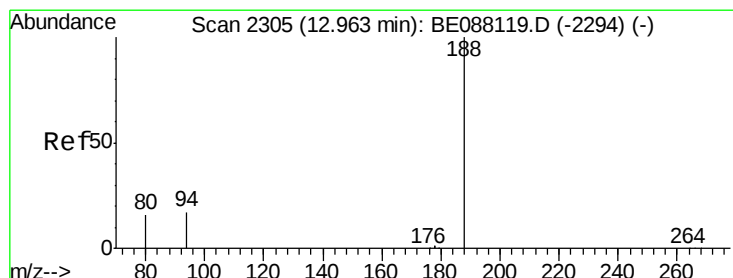
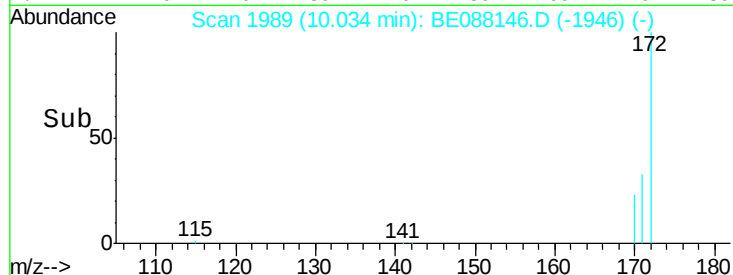
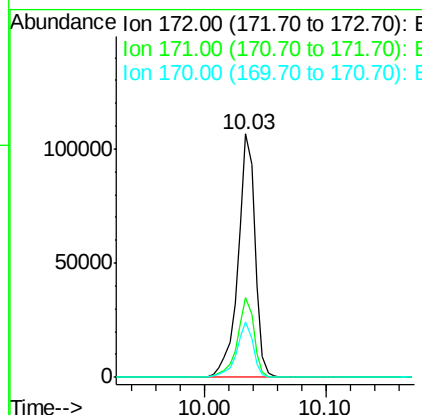
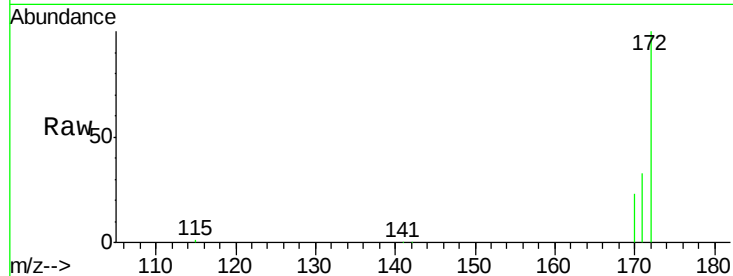
#8
 2-Fluorobiphenyl
 Concen: 5.56 ng
 RT: 10.03 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: BE088146.D
 Acq: 21 Oct 2014 17:27

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW02-1014

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	104131		
171	33.0	25.4	38.2	
170	22.9	17.4	26.2	

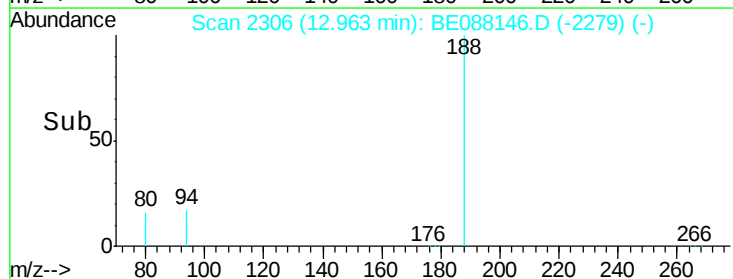
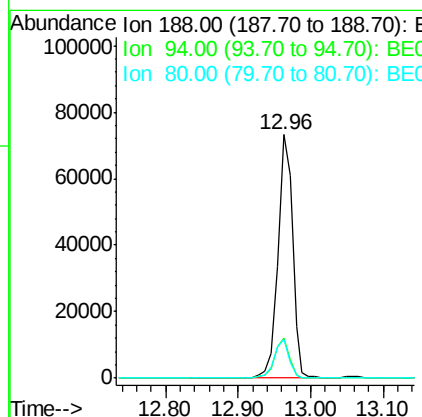
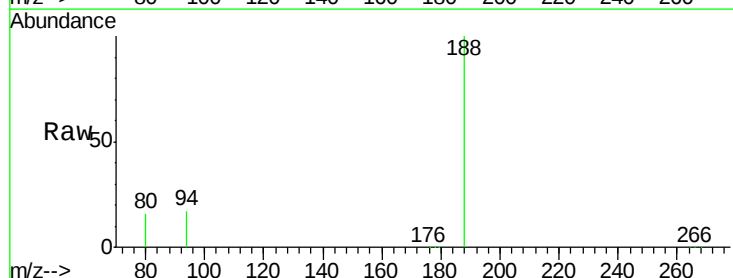
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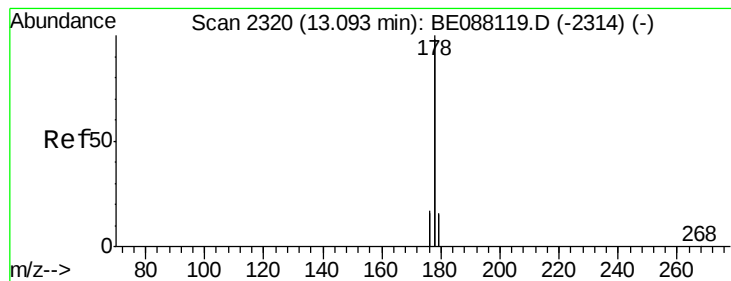
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: BE088146.D
 Acq: 21 Oct 2014 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	122076		
94	16.7	13.9	20.9	
80	15.8	12.9	19.3	





#14

Anthracene

Concen: 0.02 ng m

RT: 13.09 min Scan# 2321

Delta R.T. -0.00 min

Lab File: BE088146.D

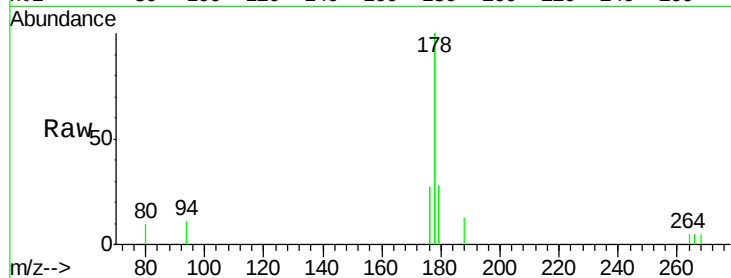
Acq: 21 Oct 2014 17:27

Instrument :

BNA_E

ClientSampleId :

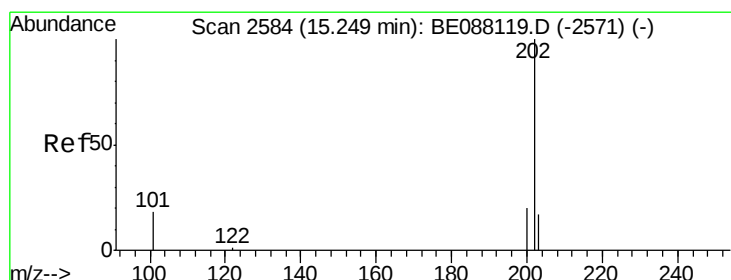
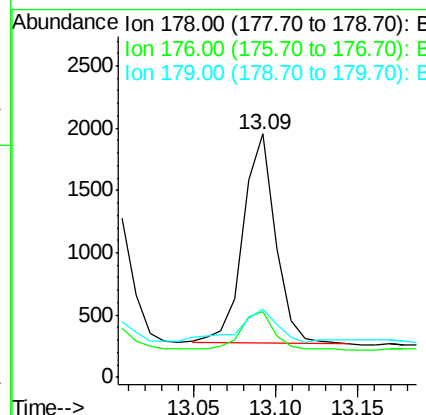
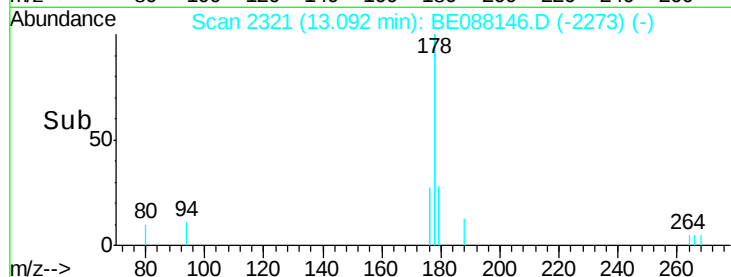
YS19-SW02-1014



Tgt Ion:	178	Resp:	2310
Ion Ratio	Lower	Upper	
178	100		
176	28.4	14.6	21.8#
179	13.5	12.5	18.7

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#15

Fluoranthene

Concen: 0.05 ng

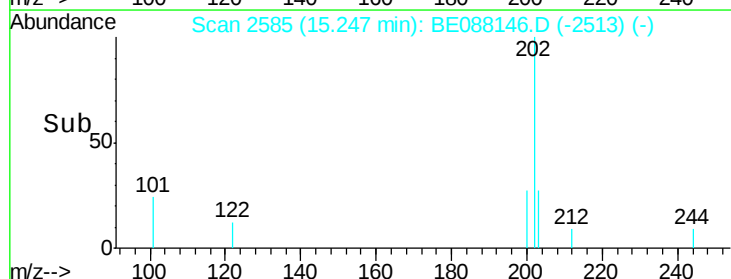
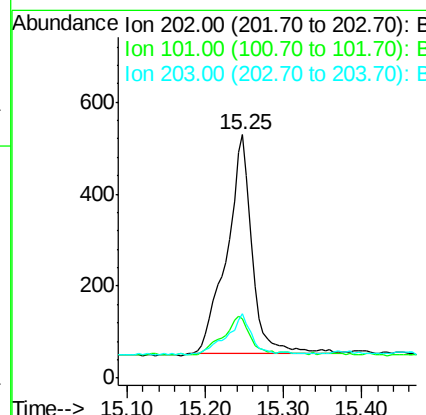
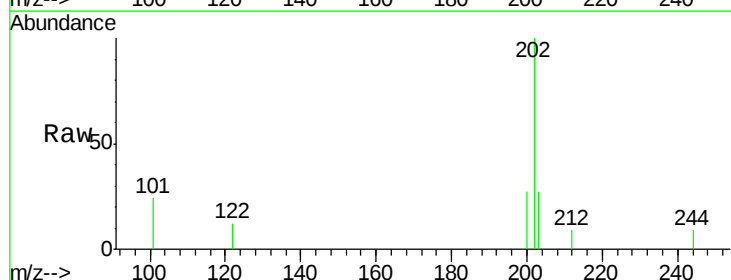
RT: 15.25 min Scan# 2585

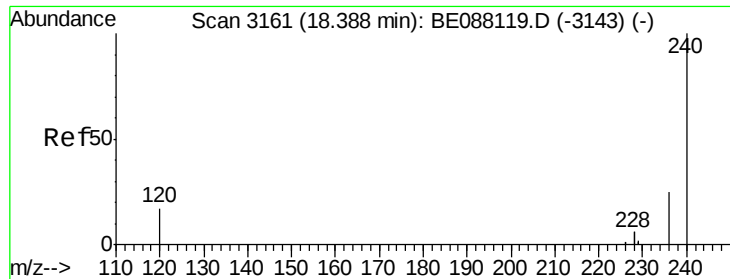
Delta R.T. -0.00 min

Lab File: BE088146.D

Acq: 21 Oct 2014 17:27

Tgt Ion:	202	Resp:	1074
Ion Ratio	Lower	Upper	
202	100		
101	19.3	14.8	22.2
203	15.6	13.5	20.3





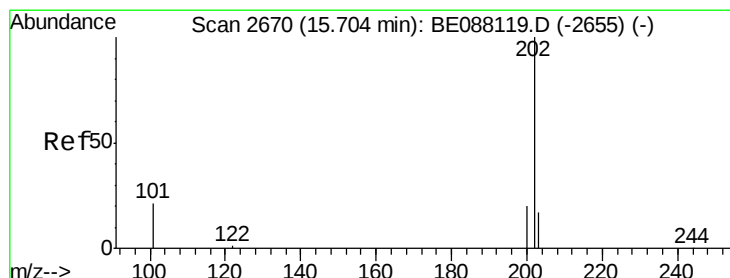
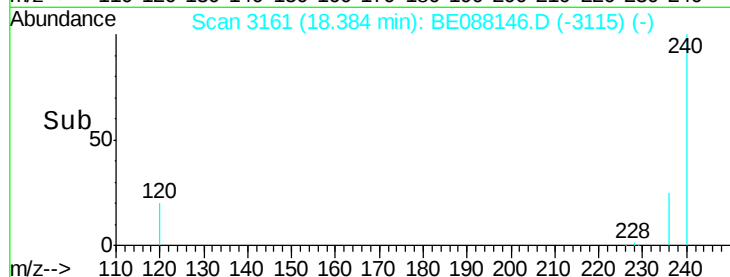
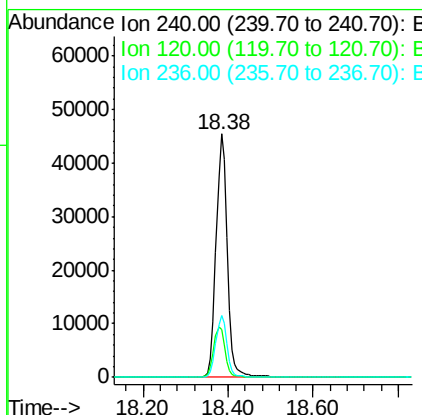
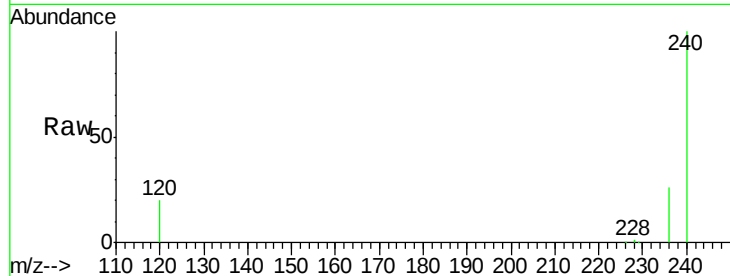
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088146.D
Acq: 21 Oct 2014 17:27

Instrument :
BNA_E
ClientSampleId :
YS19-SW02-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	82299		
120	19.6		13.9	20.9
236	25.5		19.9	29.9

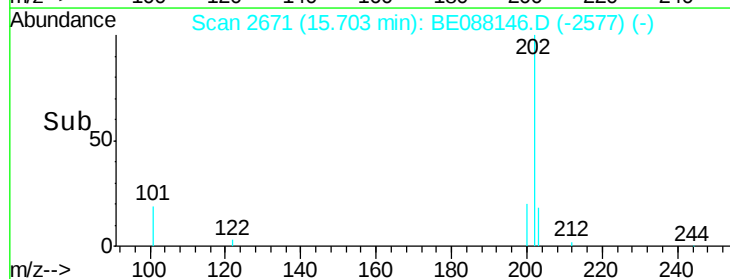
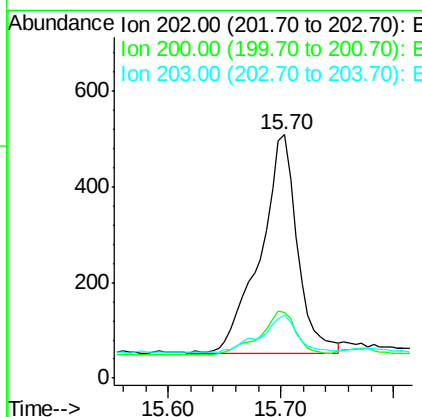
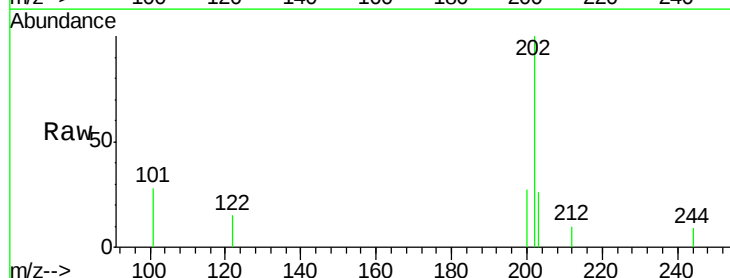
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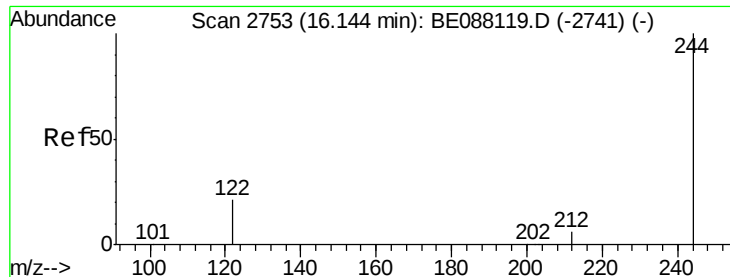
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#17
Pyrene
Concen: 0.05 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088146.D
Acq: 21 Oct 2014 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1054		
200	20.1		16.1	24.1
203	16.6		13.9	20.9





#18

Terphenyl-d14

Concen: 8.23 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088146.D

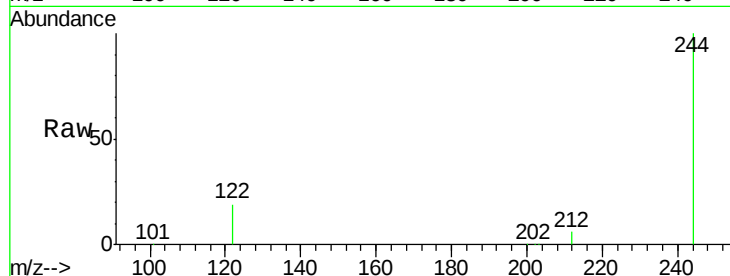
Acq: 21 Oct 2014 17:27

Instrument :

BNA_E

ClientSampleId :

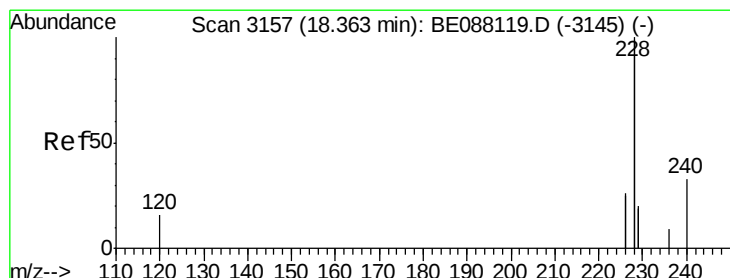
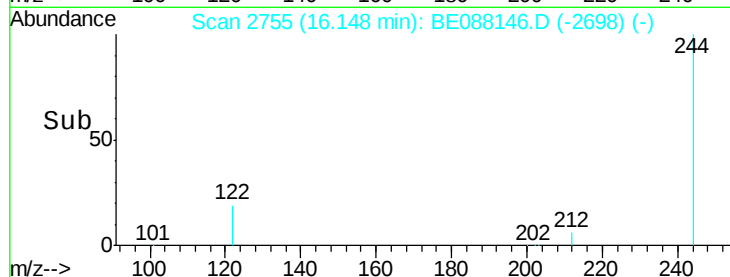
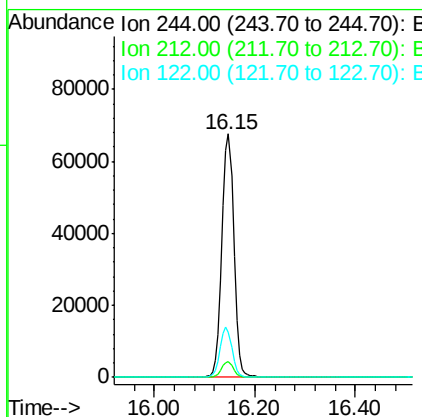
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Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	18.7	17.5	26.3

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#19

Benzo(a)anthracene

Concen: 0.05 ng

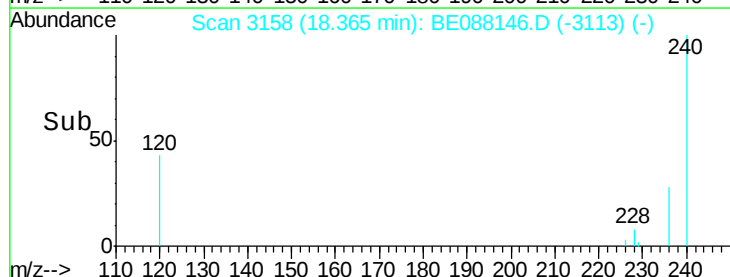
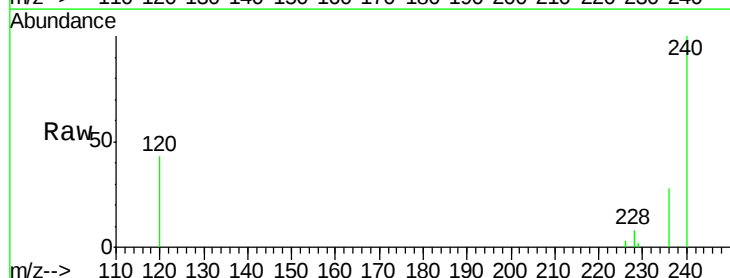
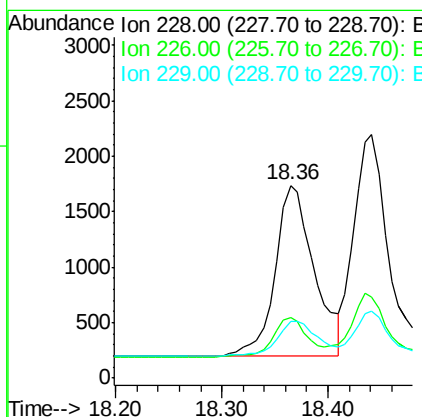
RT: 18.36 min Scan# 3158

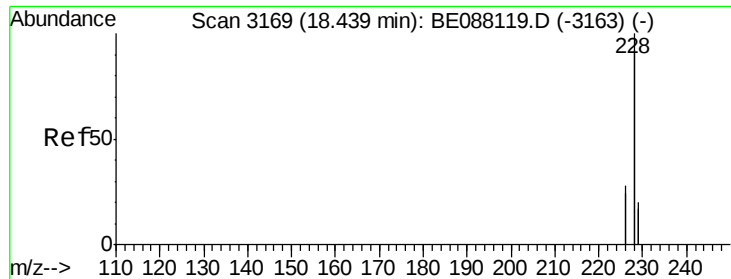
Delta R.T. 0.00 min

Lab File: BE088146.D

Acq: 21 Oct 2014 17:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	20.8	31.2#
229	29.4	15.6	23.4#





#20

Chrysene

Concen: 0.06 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088146.D

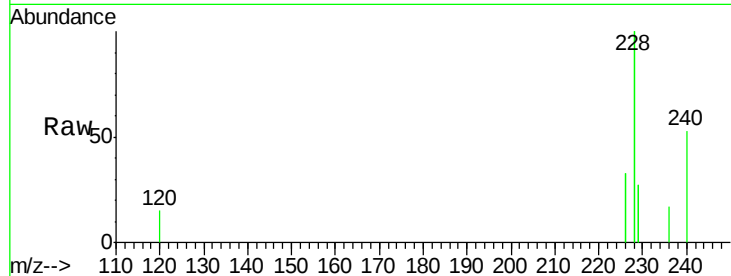
Acq: 21 Oct 2014 17:27

Instrument :

BNA_E

ClientSampleId :

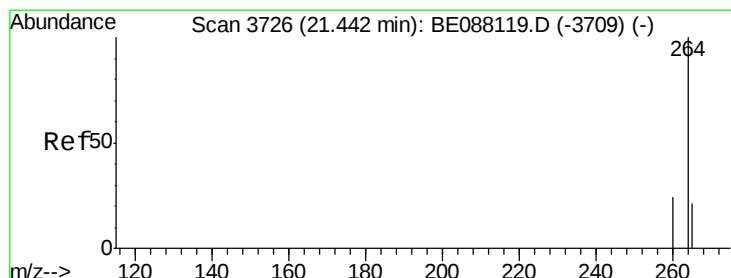
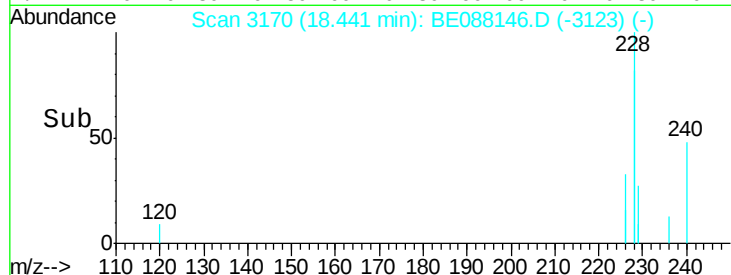
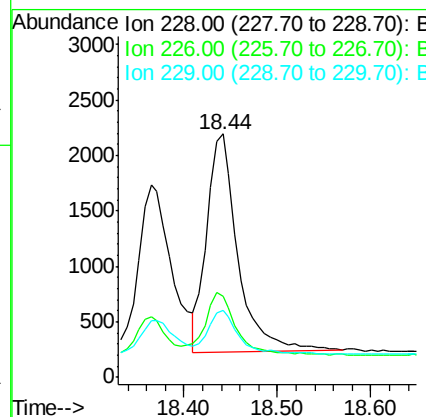
YS19-SW02-1014



Tgt Ion:	228	Resp:	4540
Ion Ratio	Lower	Upper	
228	100		
226	33.1	22.7	34.1
229	27.4	15.8	23.6

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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: BE088146.D

Acq: 21 Oct 2014 17:27

Tgt Ion:	264	Resp:	75300
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.4
265	21.9	17.2	25.8

