

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088440.D
 Acq On : 1 Nov 2014 1:58
 Operator : TP/JJ
 Sample : F4379-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014

Manual Integrations
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mohammad
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Quant Time: Nov 01 05:07:25 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	46076	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	162643	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	69798	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	118011	5.00	ng	0.00
16) Chrysene-d12	18.31	240	57912	5.00	ng	0.00
22) Perylene-d12	21.37	264	53047	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.79	82	907697	76.10	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	980517	49.84	ng	0.01
18) Terphenyl-d14	16.10	244	563015	52.92	ng	0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Fluorene	11.49	166	412	0.02	ng	# 92
13) Phenanthrene	12.94	178	36957	0.34	ng	# 89
14) Anthracene	13.02	178	5877	0.07	ng	# 79
15) Fluoranthene	15.18	202	11066	0.64	ng	100
17) Pyrene	15.63	202	9931m	0.53	ng	
19) Benzo(a)anthracene	18.29	228	18384	0.34	ng	95
20) Chrysene	18.36	228	19100m	0.36	ng	
21) Indeno(1,2,3-cd)pyrene	23.55	276	10614	0.21	ng	# 82
23) Benzo(b)fluoranthene	20.61	252	5538	0.48	ng	# 93
24) Benzo(k)fluoranthene	20.67	252	2135	0.17	ng	# 84
25) Benzo(a)pyrene	21.25	252	3877	0.35	ng	# 92
27) Benzo(g,h,i)perylene	24.17	276	10567	0.22	ng	89

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

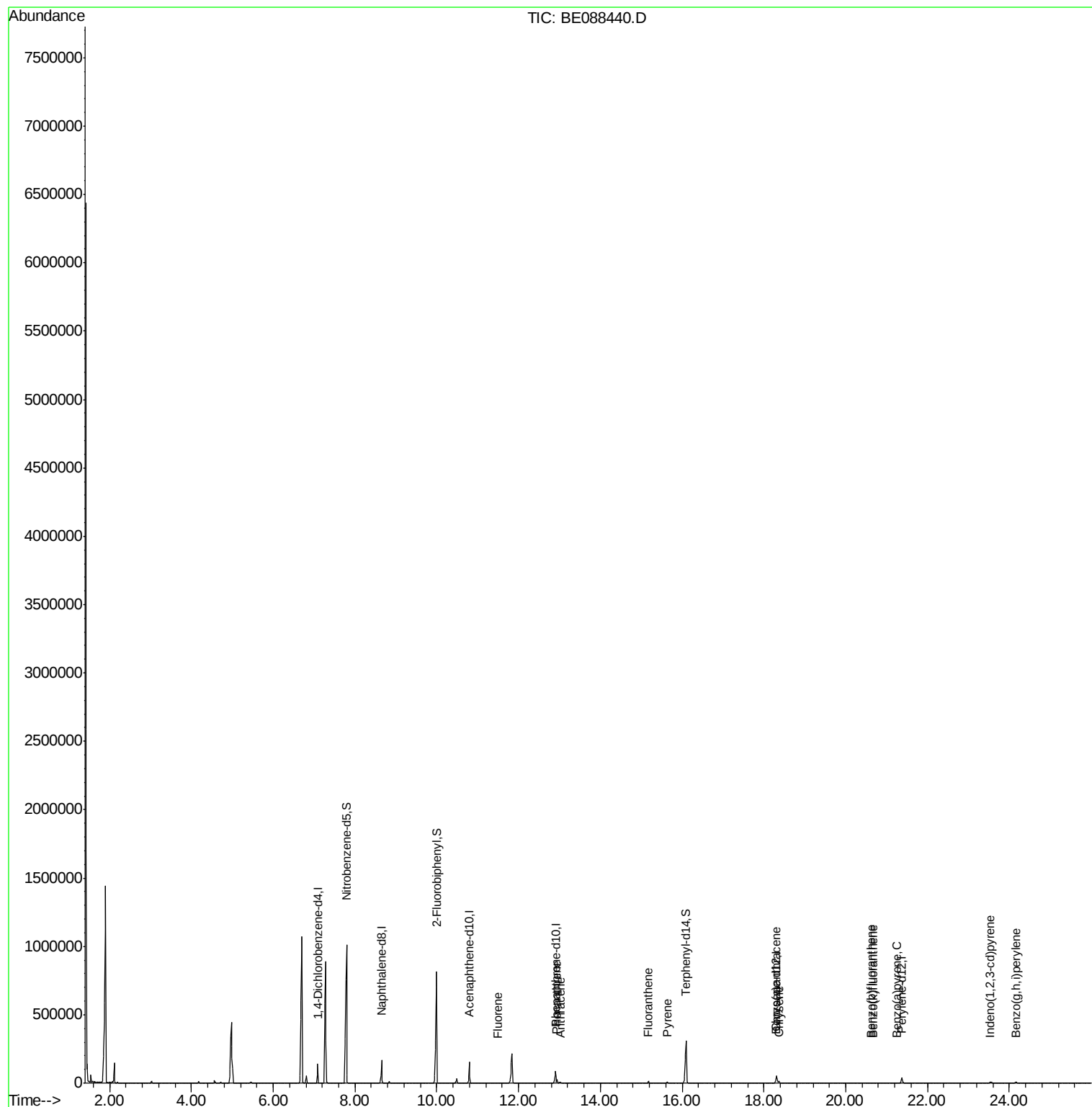
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088440.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

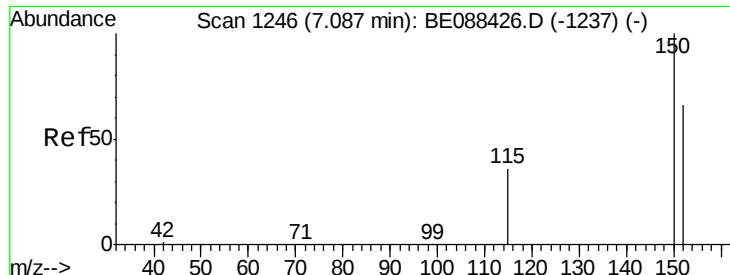
Instrument :
BNA_E
ClientSampleId :
YS19-SB29-1014

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088440.D

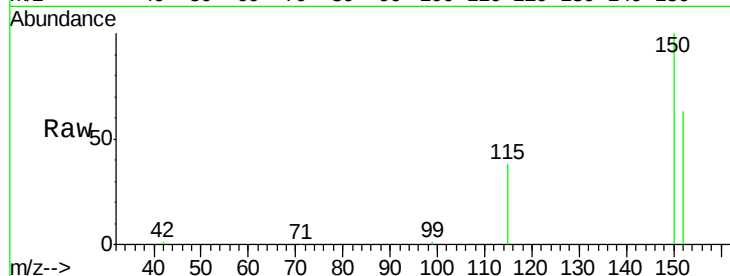
Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 46076

Ion Ratio Lower Upper

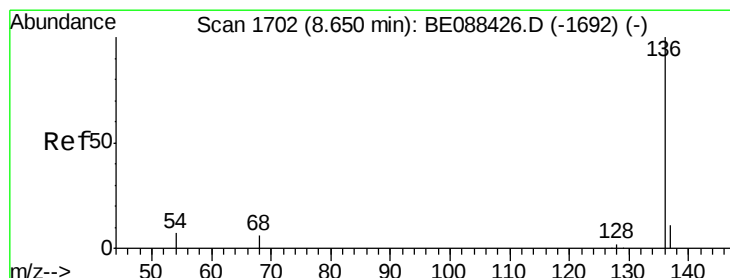
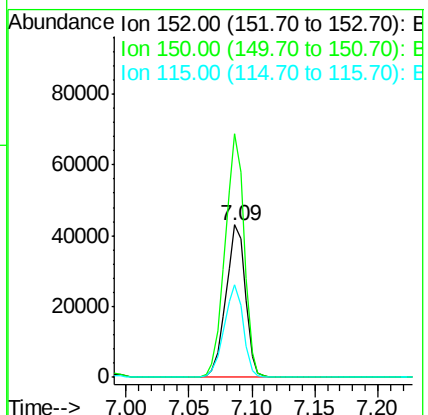
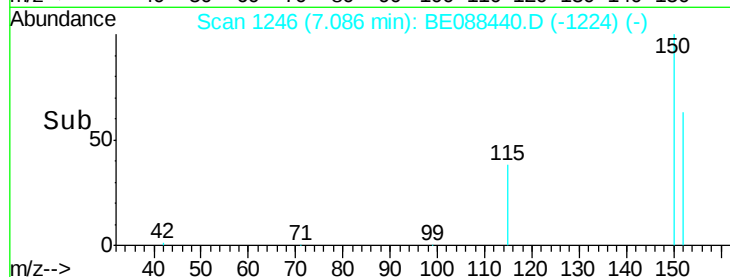
152 100

150 159.7 121.8 182.8

115 60.7 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

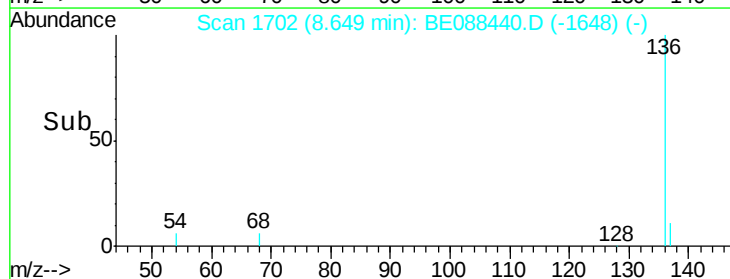
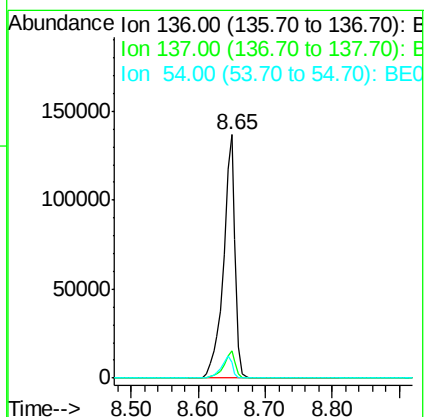
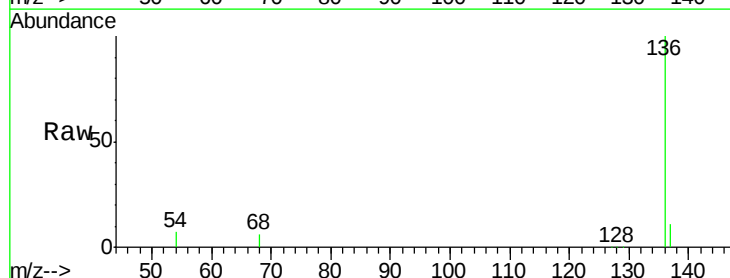
Tgt Ion:136 Resp: 162643

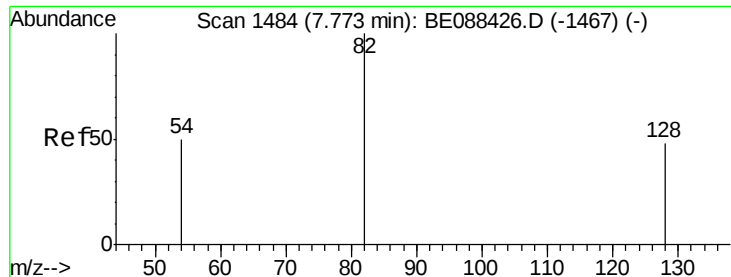
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.6 5.3 7.9





#4

Nitrobenzene-d5

Concen: 76.10 ng

RT: 7.79 min Scan# 1492

Delta R.T. 0.02 min

Lab File: BE088440.D

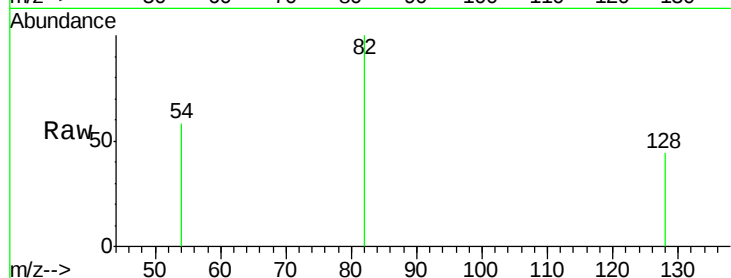
Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014



Tgt Ion: 82 Resp: 907697

Ion Ratio Lower Upper

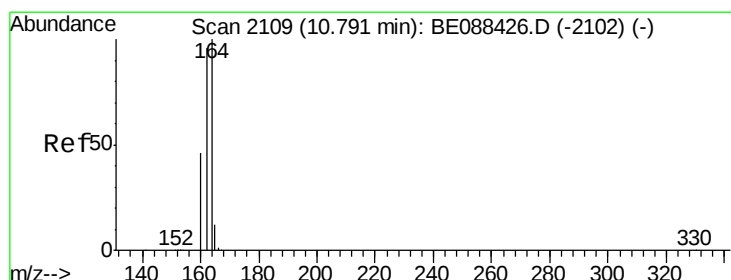
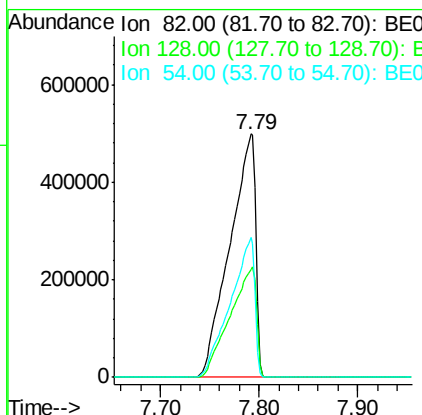
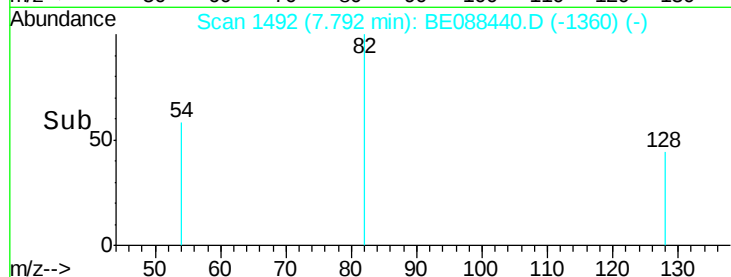
82 100

128 44.5 38.4 57.6

54 57.6 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

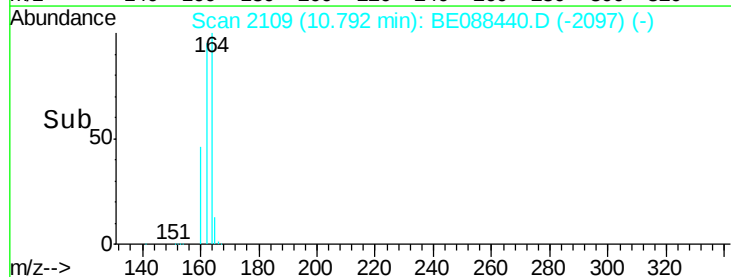
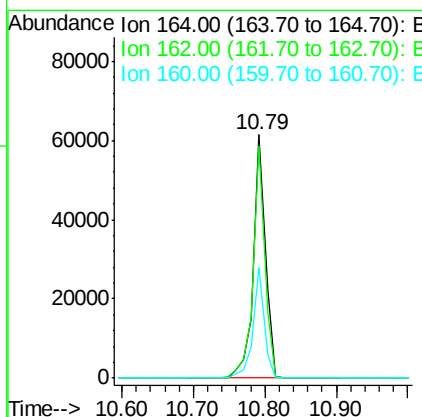
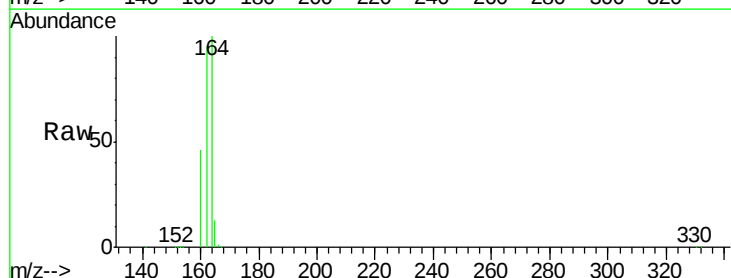
Tgt Ion: 164 Resp: 69798

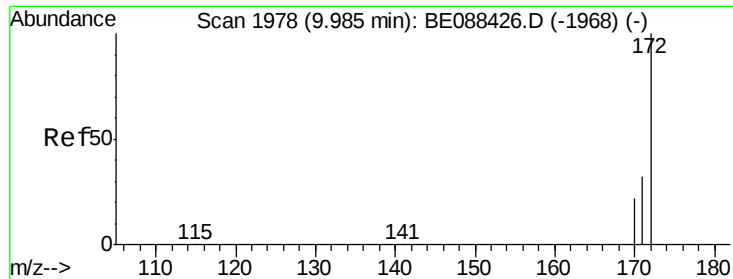
Ion Ratio Lower Upper

164 100

162 95.3 77.0 115.4

160 45.6 36.8 55.2





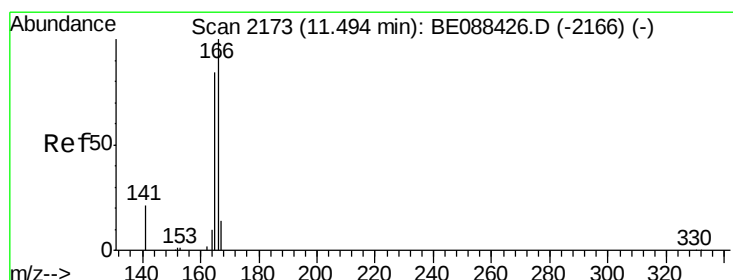
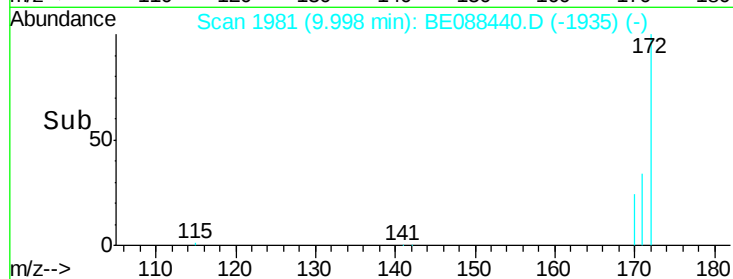
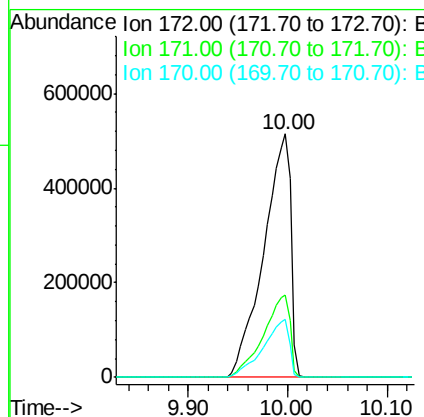
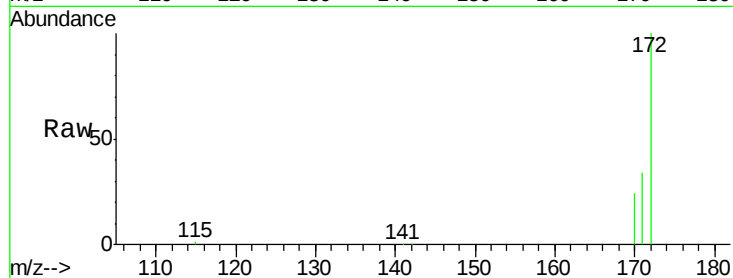
#8
2-Fluorobiphenyl
Concen: 49.84 ng
RT: 10.00 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Instrument :
BNA_E
ClientSampleId :
YS19-SB29-1014

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	980517		
171	34.0	26.0	39.0	
170	23.6	17.6	26.4	

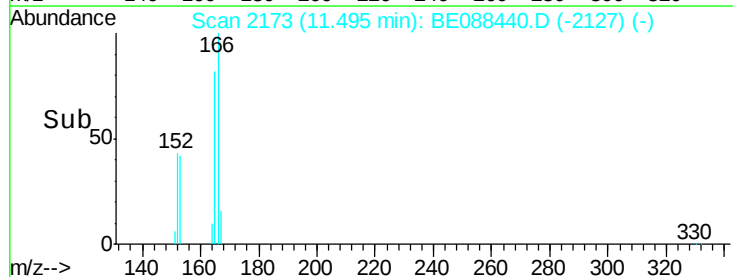
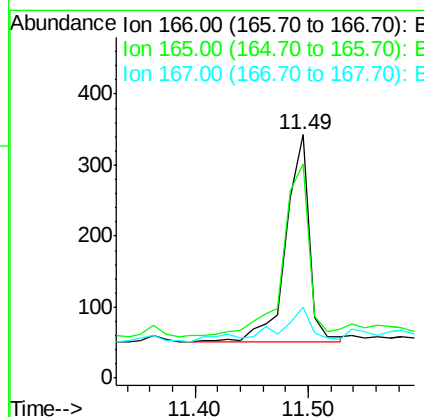
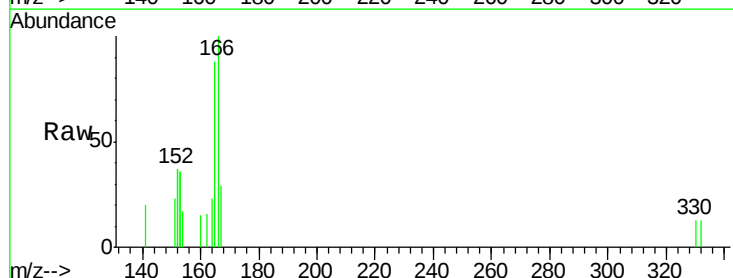
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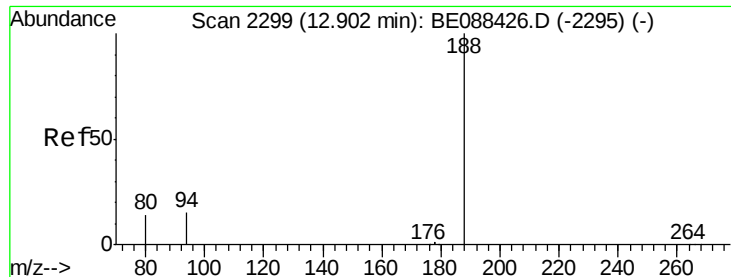
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#11
Fluorene
Concen: 0.02 ng
RT: 11.49 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088440.D
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	412		
165	92.7	71.3	106.9	
167	0.0	10.7	16.1	





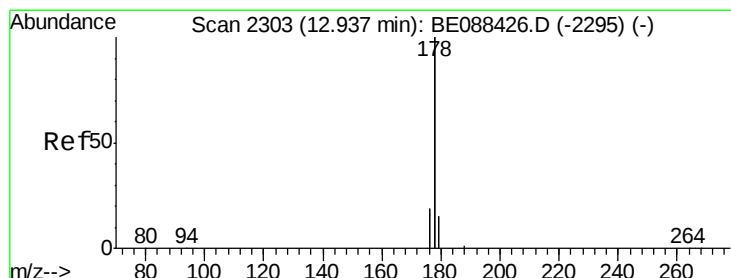
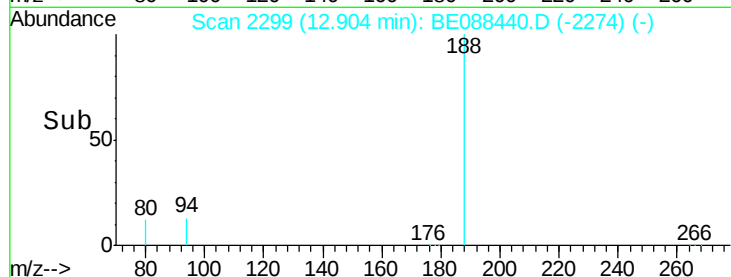
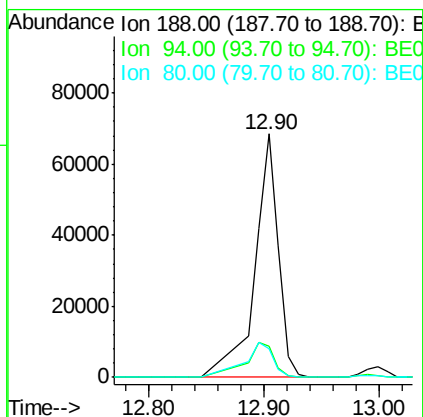
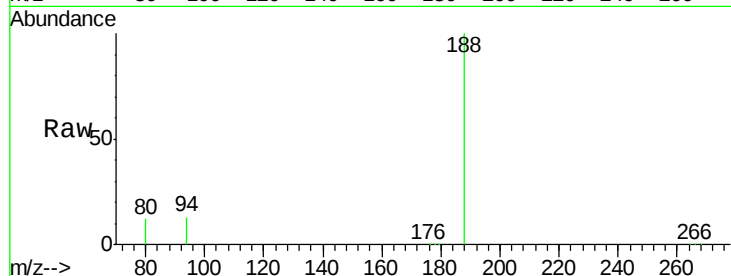
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.9	11.8	17.8
80	11.7	10.9	16.3

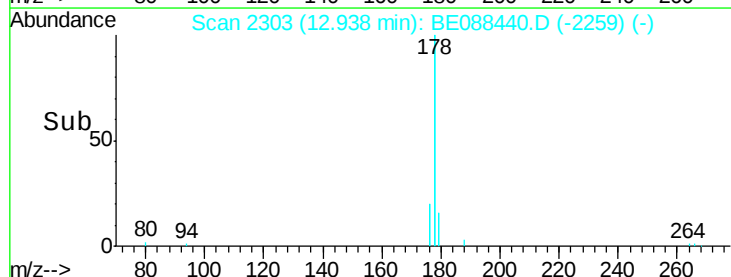
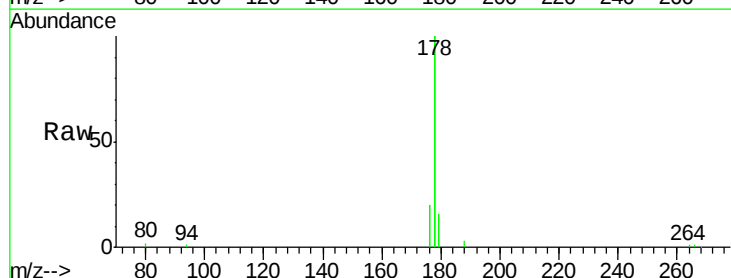
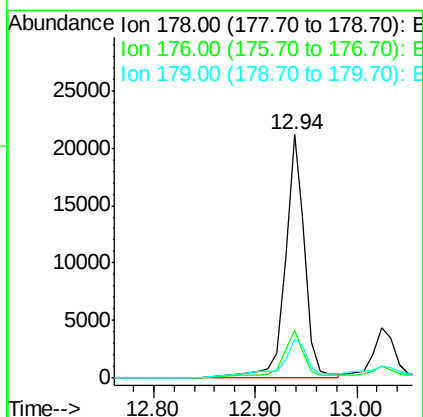
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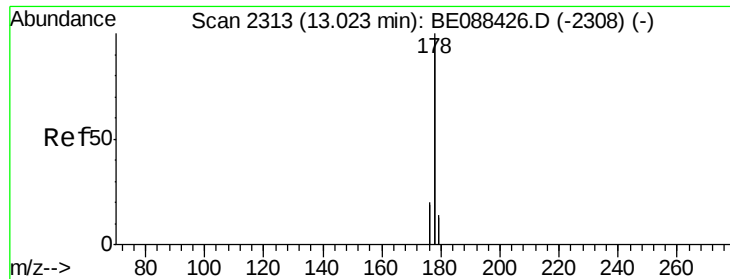
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#13
Phenanthrene
Concen: 0.34 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	22.1	15.4	23.2
179	22.7	12.8	19.2#





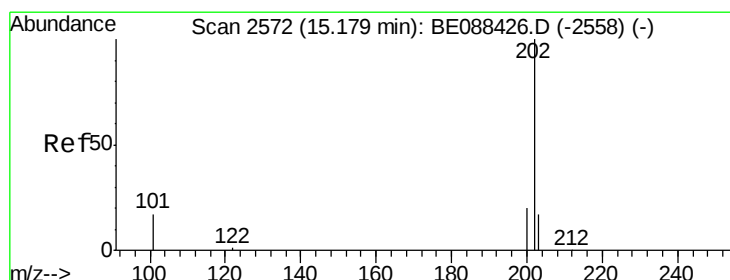
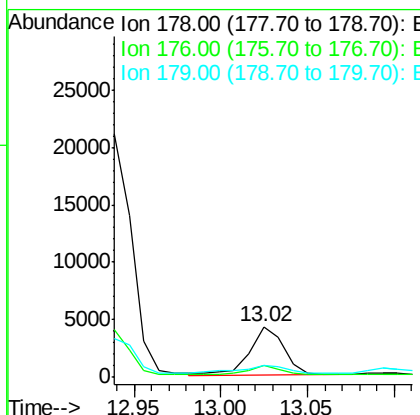
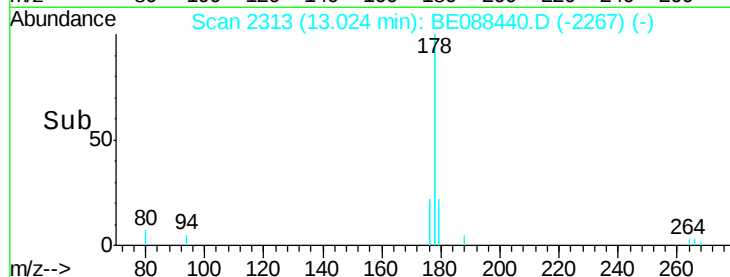
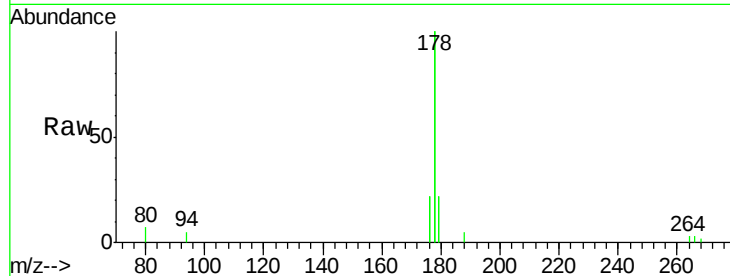
#14
 Anthracene
 Concen: 0.07 ng
 RT: 13.02 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014

Tgt Ion:178 Resp: 5877
 Ion Ratio Lower Upper
 178 100
 176 25.0 15.0 22.4#
 179 27.8 12.5 18.7#

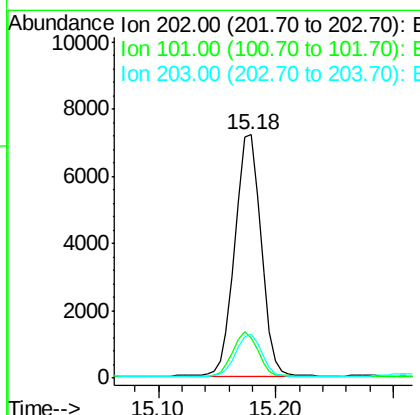
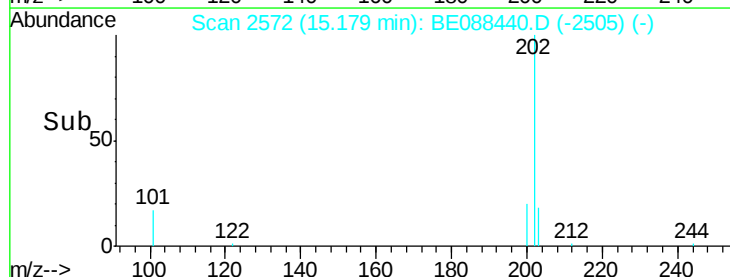
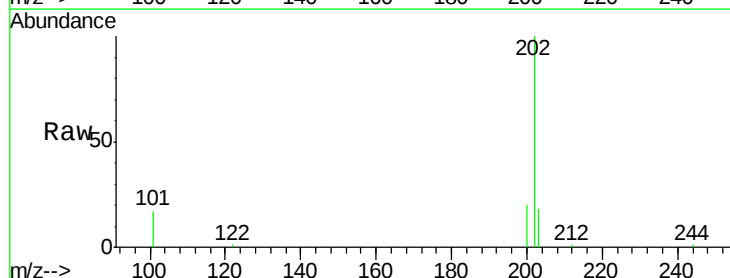
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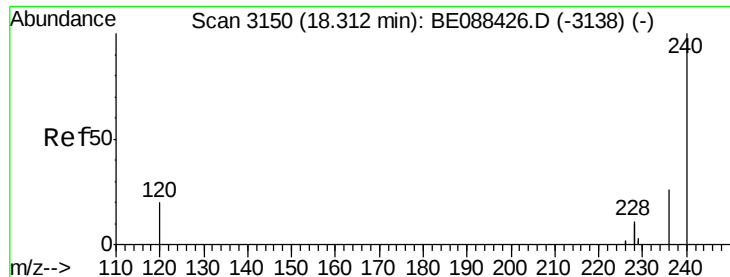
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#15
 Fluoranthene
 Concen: 0.64 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Tgt Ion:202 Resp: 11066
 Ion Ratio Lower Upper
 202 100
 101 17.9 14.3 21.5
 203 17.2 13.6 20.4





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.31 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE088440.D

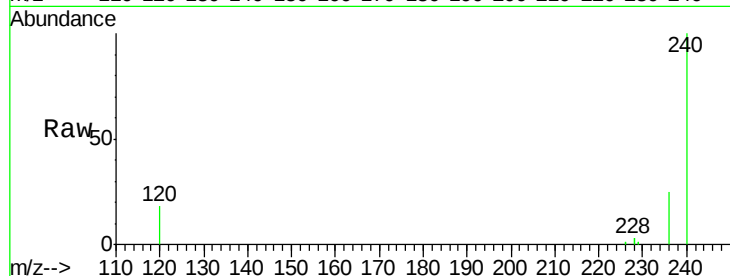
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Instrument :

BNA_E

ClientSampleId :

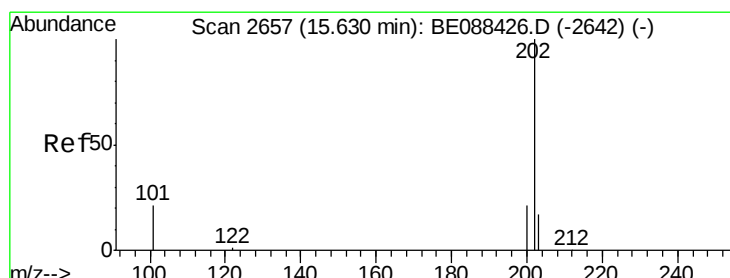
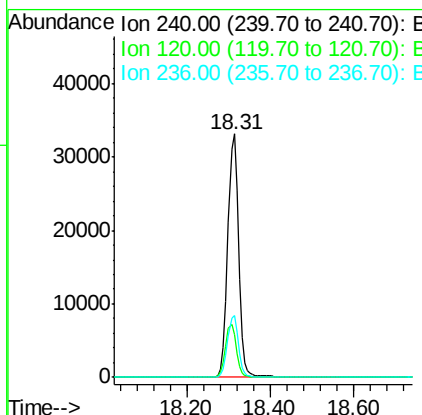
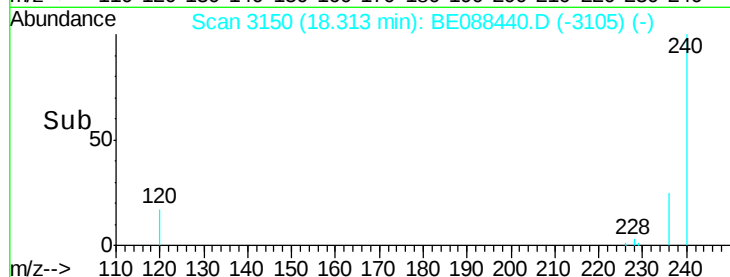
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Tgt Ion:	240	Resp:	57912
Ion Ratio	Lower	Upper	
240	100		
120	17.7	16.4	24.6
236	25.4	20.5	30.7

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#17

Pyrene

Concen: 0.53 ng m

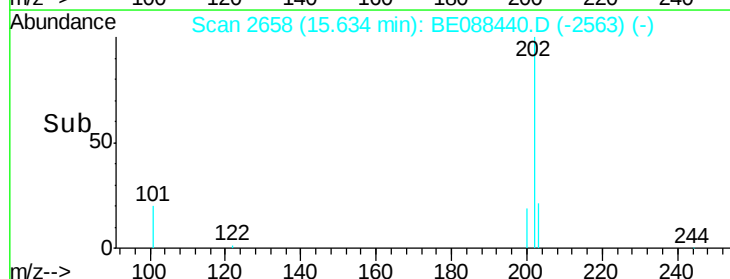
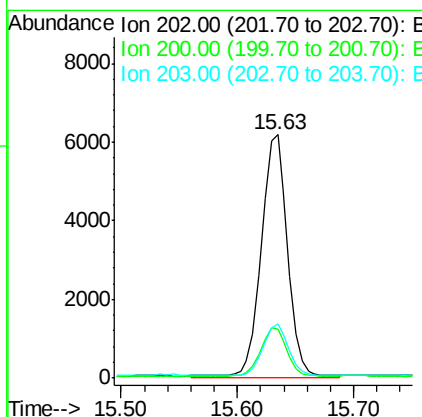
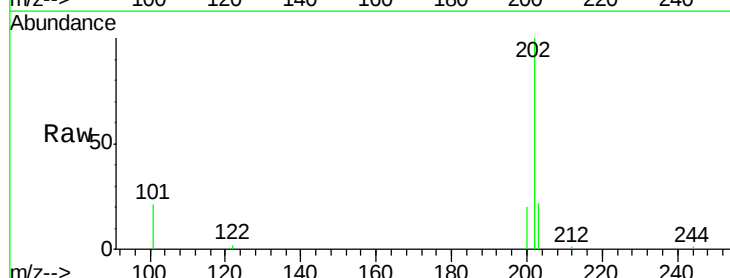
RT: 15.63 min Scan# 2658

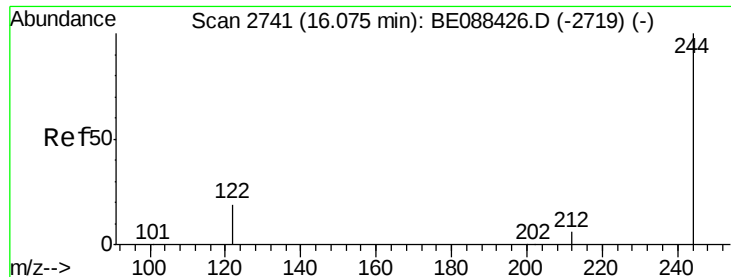
Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Tgt Ion:	202	Resp:	9931
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.1	24.1
203	19.2	13.8	20.8





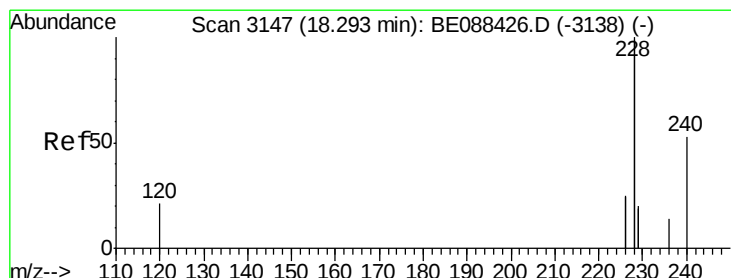
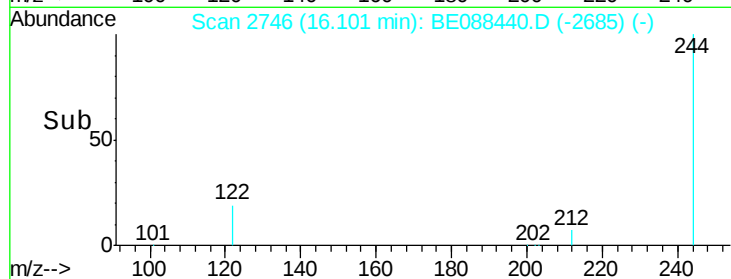
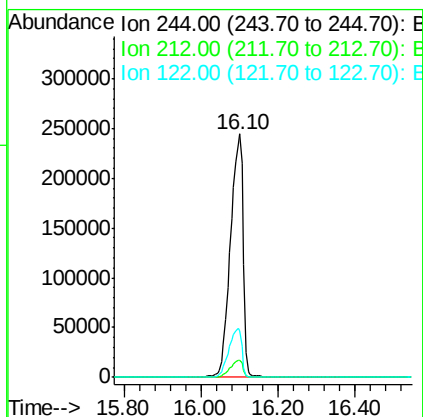
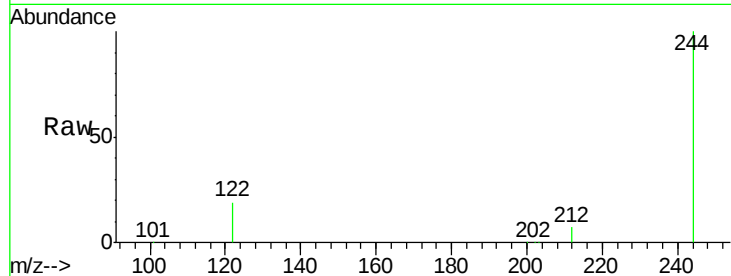
#18
 Terphenyl-d14
 Concen: 52.92 ng
 RT: 16.10 min Scan# 2746
 Delta R.T. 0.03 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	563015		
212	7.1	5.5	8.3	
122	19.2	15.6	23.4	

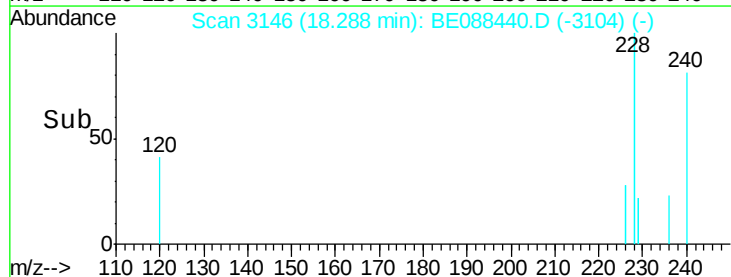
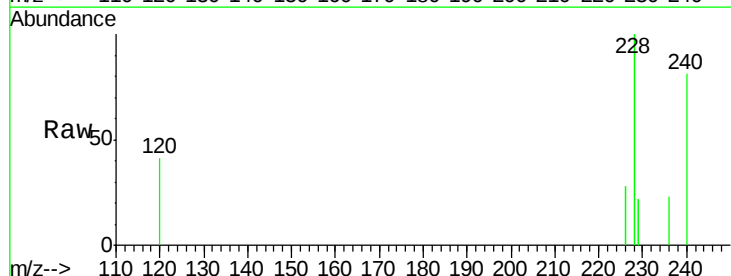
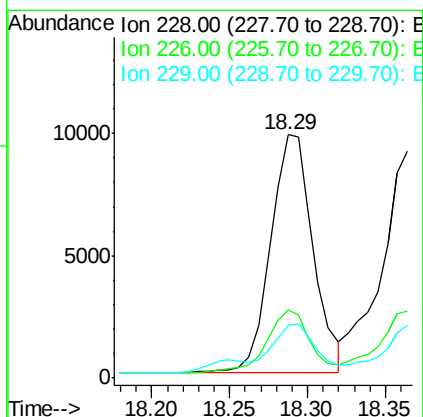
Manual Integrations
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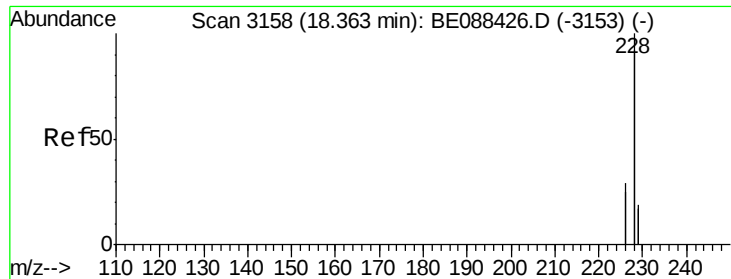
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#19
 Benzo(a)anthracene
 Concen: 0.34 ng
 RT: 18.29 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	18384		
226	27.8	19.8	29.6	
229	21.9	16.0	24.0	





#20

Chrysene

Concen: 0.36 ng m

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088440.D

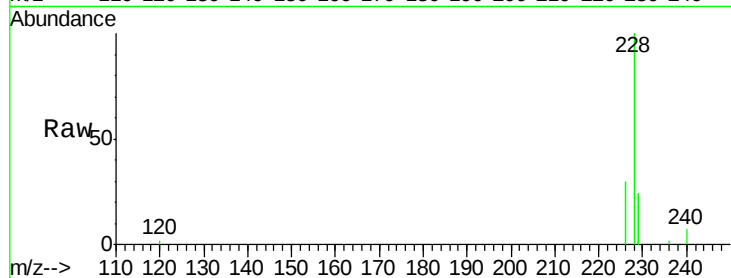
Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

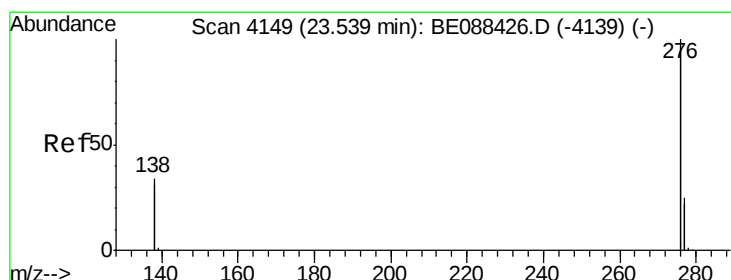
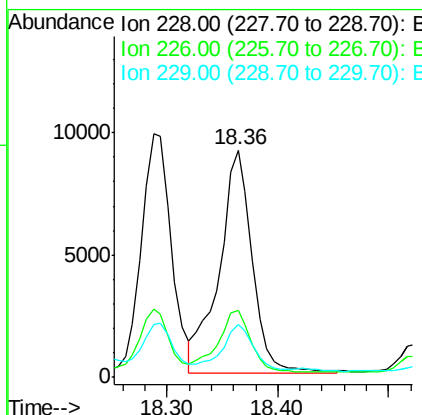
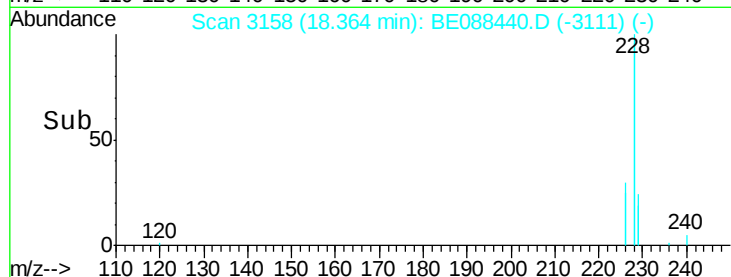
YS19-SB29-1014



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	19100		
226	29.7	23.6	35.4	
229	23.5	15.4	23.2	

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.21 ng

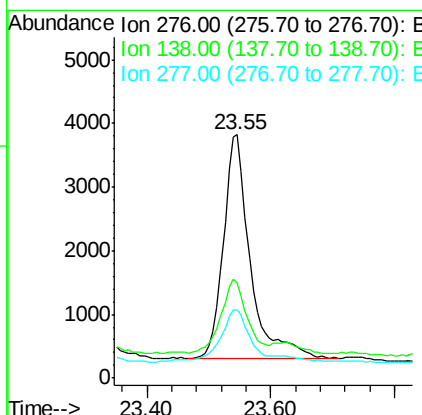
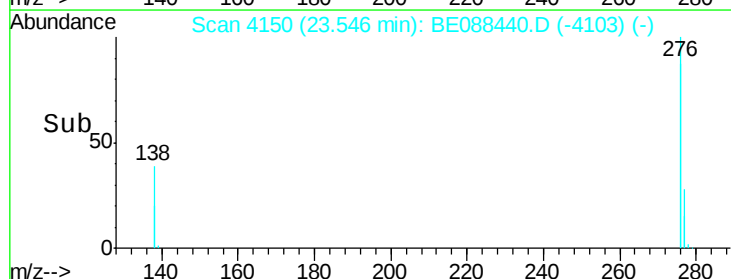
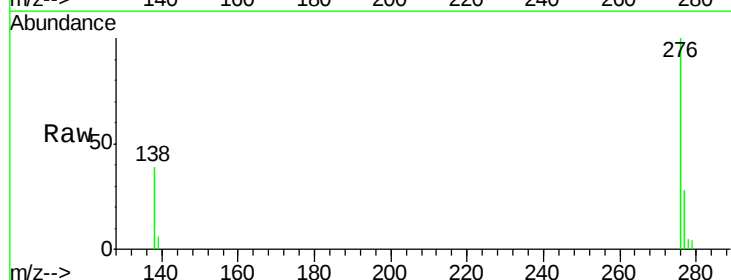
RT: 23.55 min Scan# 4150

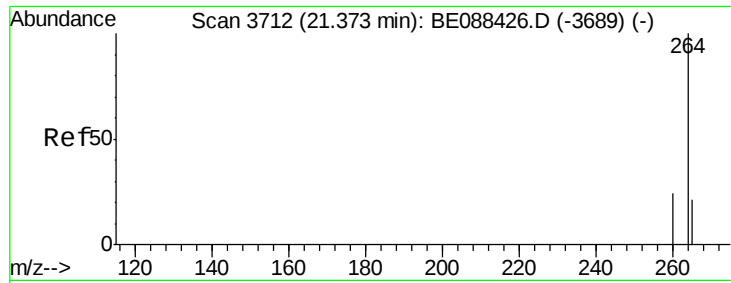
Delta R.T. 0.01 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

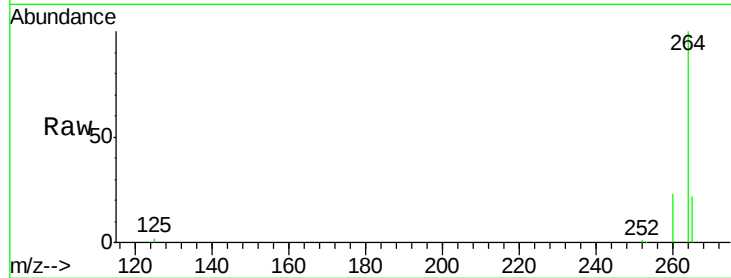
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	10614		
138	33.4	20.2	30.2	
277	27.6	14.8	22.2	





#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3712
Delta R.T. 0.00 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

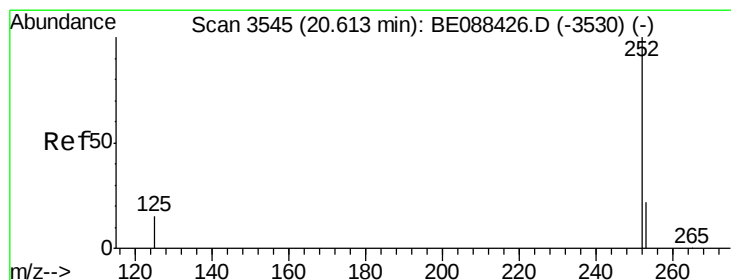
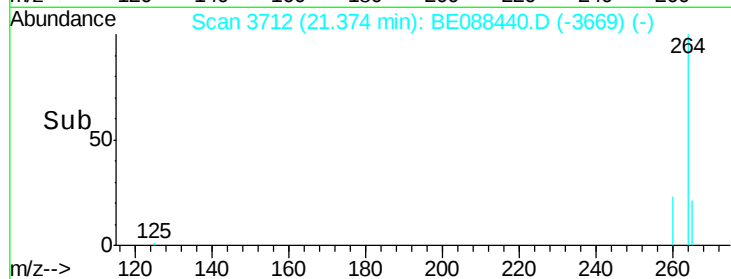
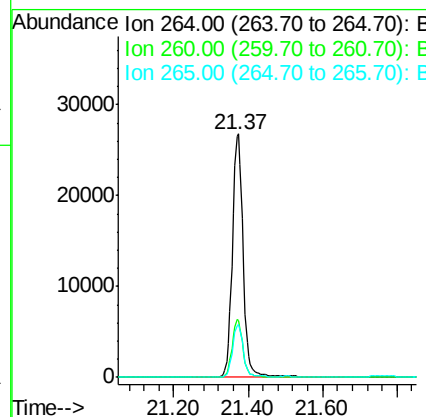
Instrument :
BNA_E
ClientSampleId :
YS19-SB29-1014



Tgt Ion: 264 Resp: 53047
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.6 17.2 25.8

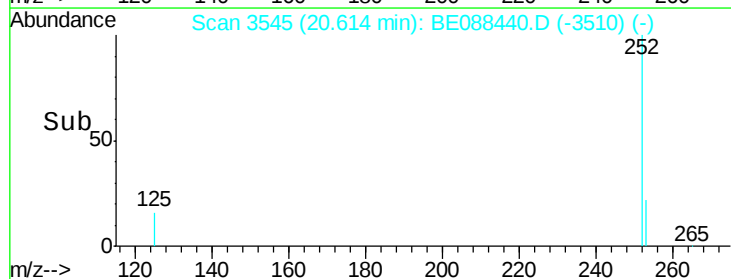
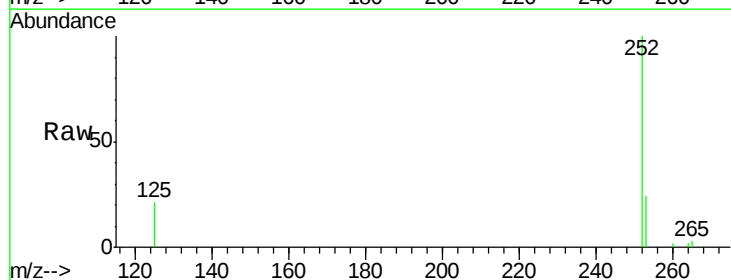
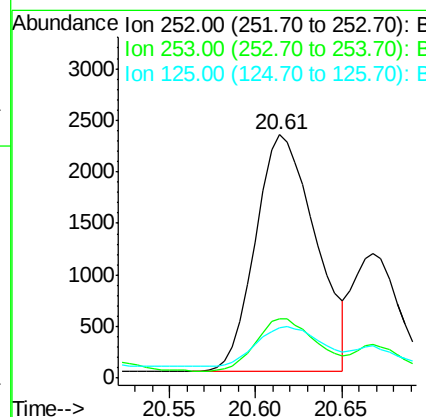
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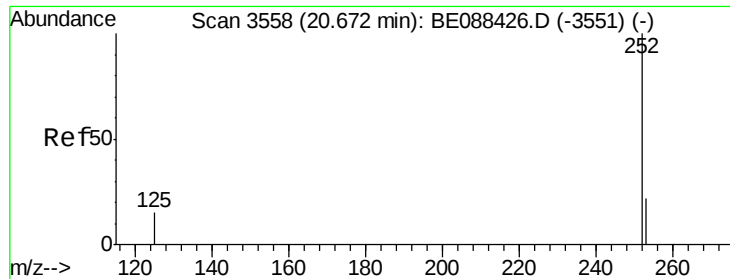
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#23
Benzo(b)fluoranthene
Concen: 0.48 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Tgt Ion: 252 Resp: 5538
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 20.7 12.3 18.5#





#24

Benzo(k)fluoranthene

Concen: 0.17 ng

RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088440.D

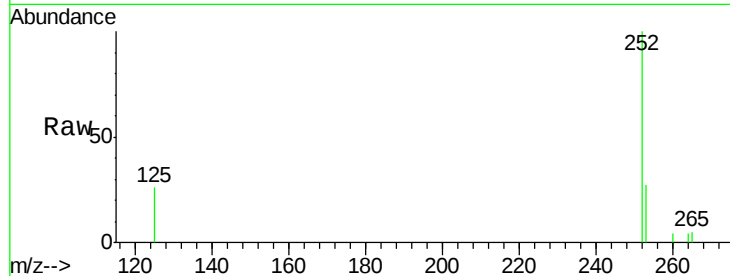
Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

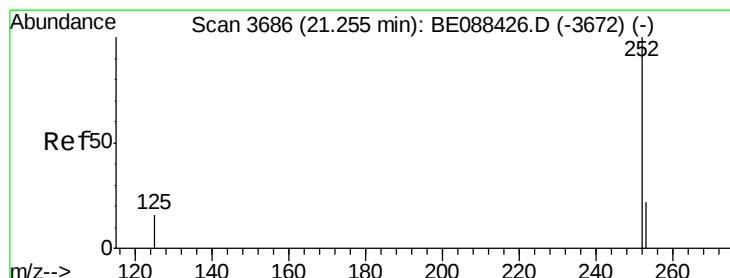
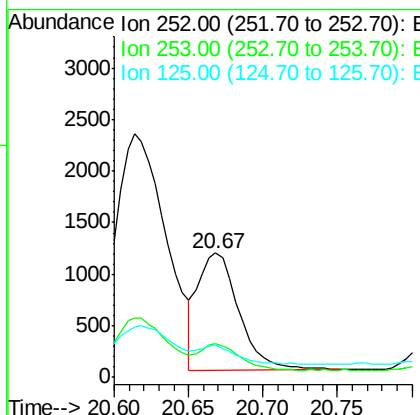
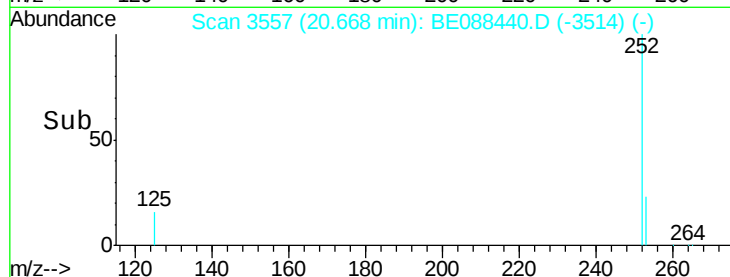
YS19-SB29-1014



Tgt Ion:	252	Resp:	2135
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.8	26.8#
125	25.7	12.2	18.4#

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#25

Benzo(a)pyrene

Concen: 0.35 ng

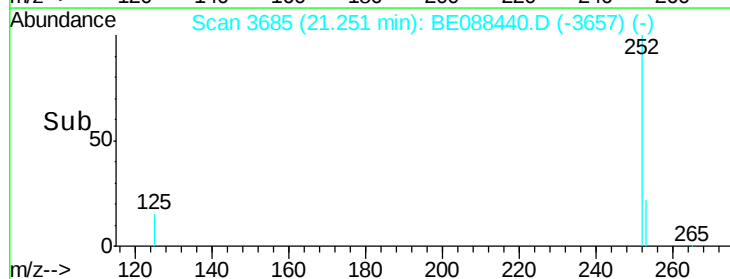
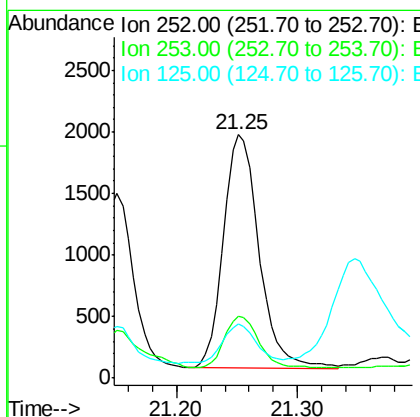
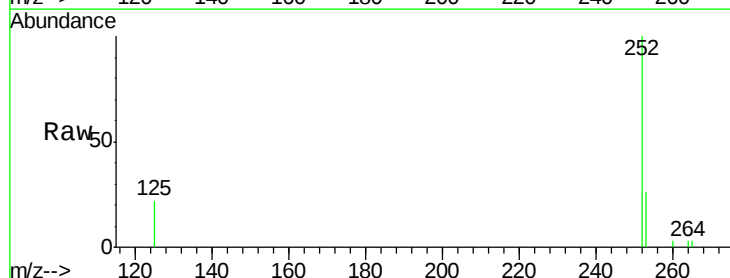
RT: 21.25 min Scan# 3685

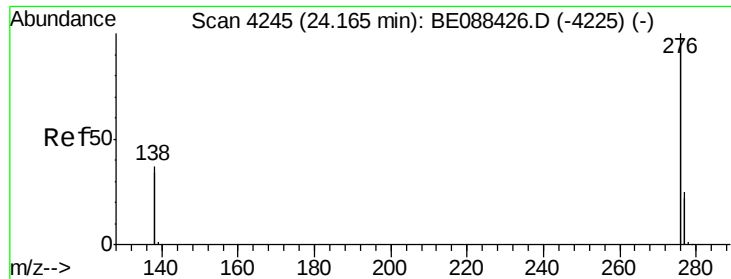
Delta R.T. -0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

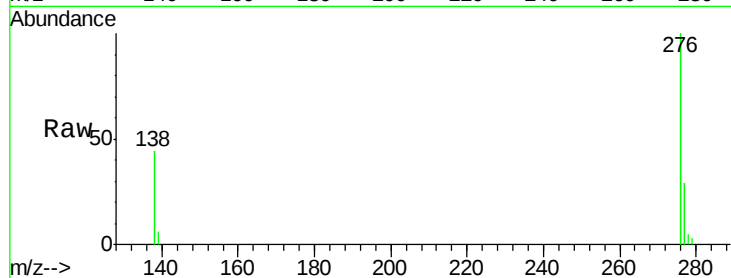
Tgt Ion:	252	Resp:	3877
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.4
125	22.1	13.7	20.5#





#27
 Benzo(g,h,i)perylene
 Concen: 0.22 ng
 RT: 24.17 min Scan# 4245
 Delta R.T. 0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014



Tgt	Ion	276	Resp:	10567
	Ion	Ratio	Lower	Upper
	276	100		
	277	28.9	19.8	29.6
	138	43.7	29.3	43.9

Manual Integrations
 APPROVED

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