

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088169.D
 Acq On : 22 Oct 2014 7:28
 Operator : TP/JJ
 Sample : F4312-09 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS27-1014

Manual Integrations
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Quant Time: Oct 22 08:06:14 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	20974	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	84569	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	43371	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	83448	5.00	ng	0.00
16) Chrysene-d12	18.38	240	47306	5.00	ng	0.00
22) Perylene-d12	21.44	264	40946	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	90908	14.91	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	155791	13.00	ng	0.00
18) Terphenyl-d14	16.15	244	122765	16.13	ng	0.00
Target Compounds						Qvalue
10) Acenaphthene	10.88	154	761	0.07	ng	# 68
11) Fluorene	11.55	166	677	0.06	ng	99
13) Phenanthrene	13.01	178	51468	0.64	ng	# 96
14) Anthracene	13.09	178	12461m	0.19	ng	
15) Fluoranthene	15.25	202	18677	1.18	ng	99
17) Pyrene	15.70	202	15829	1.23	ng	97
19) Benzo(a)anthracene	18.36	228	27129	0.64	ng	98
20) Chrysene	18.44	228	30812	0.75	ng	97
21) Indeno(1,2,3-cd)pyrene	23.64	276	15671	0.34	ng	# 85
23) Benzo(b)fluoranthene	20.69	252	7695	0.79	ng	95
24) Benzo(k)fluoranthene	20.74	252	3605	0.35	ng	# 93
25) Benzo(a)pyrene	21.32	252	5075	0.57	ng	95
27) Benzo(g,h,i)perylene	24.26	276	15089	0.39	ng	95

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

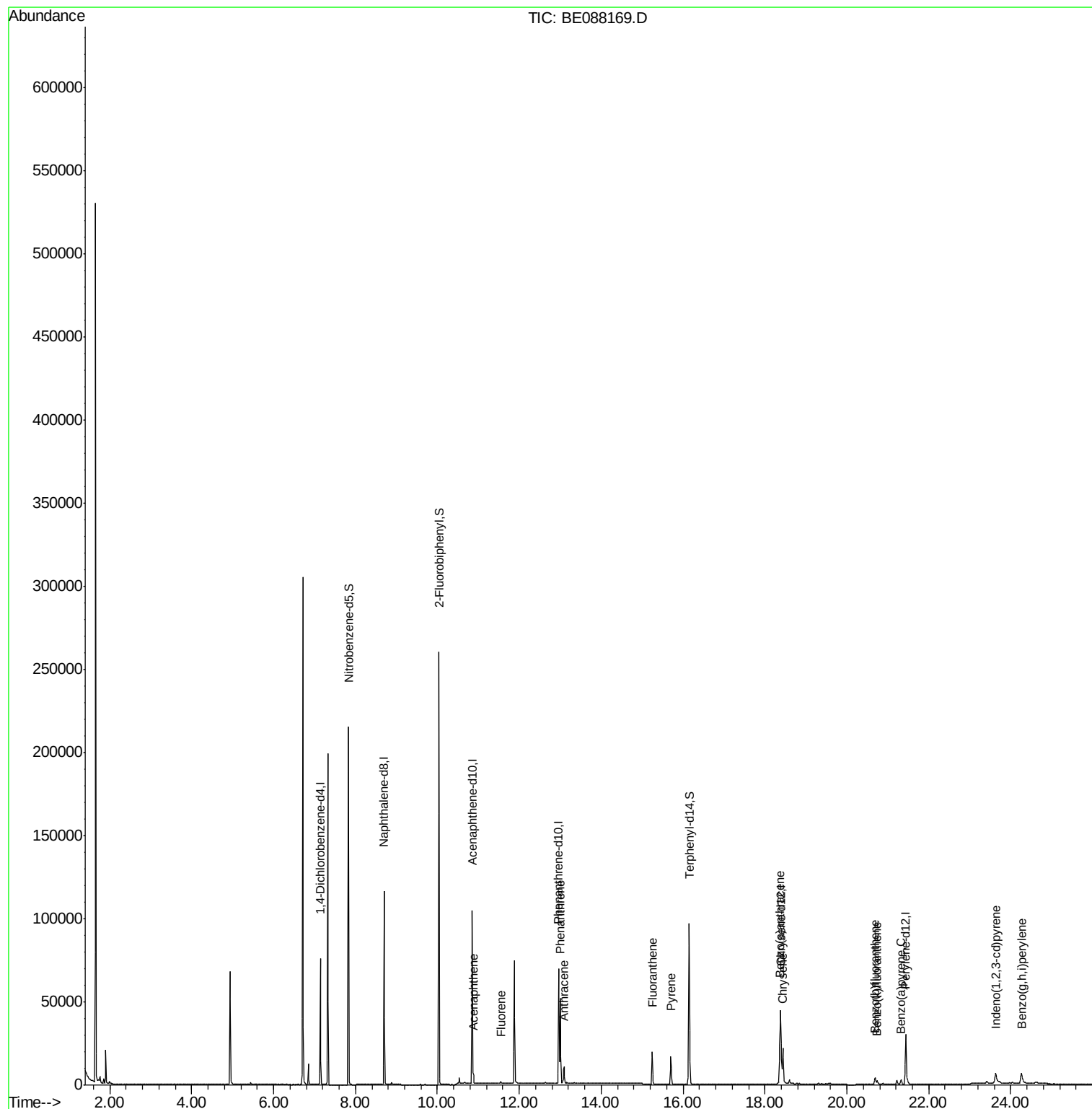
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
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Operator : TP/JJ
Sample : F4312-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

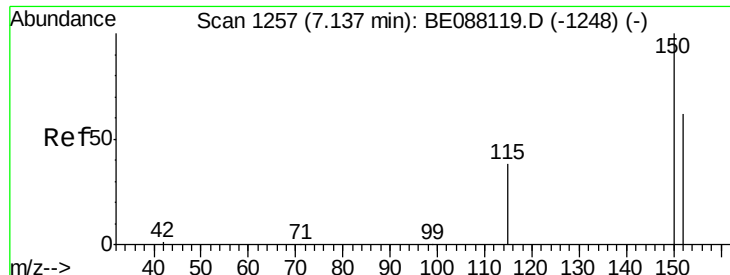
Instrument :
BNA_E
ClientSampleId :
YS19-SS27-1014

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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: BE088169.D

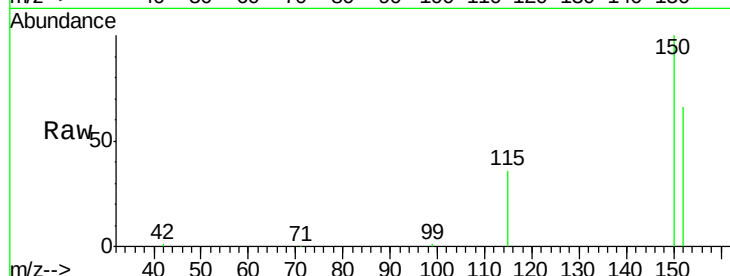
Acq: 22 Oct 2014 7:28

Instrument :

BNA_E

ClientSampleId :

YS19-SS27-1014



Tgt Ion:152 Resp: 20974

Ion Ratio Lower Upper

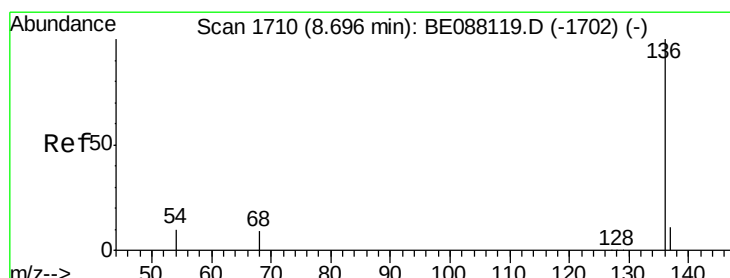
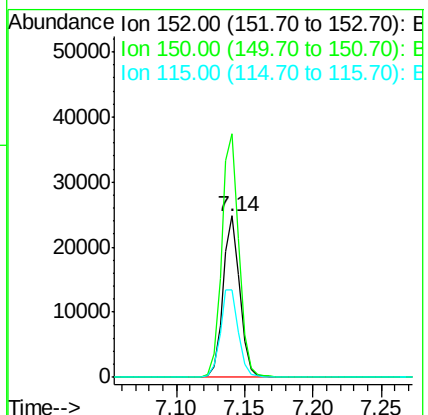
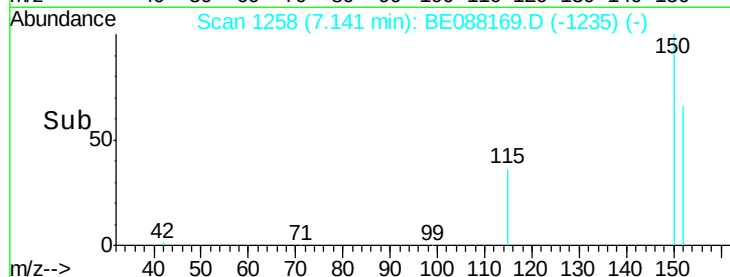
152 100

150 151.1 129.2 193.8

115 54.3 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: BE088169.D

Acq: 22 Oct 2014 7:28

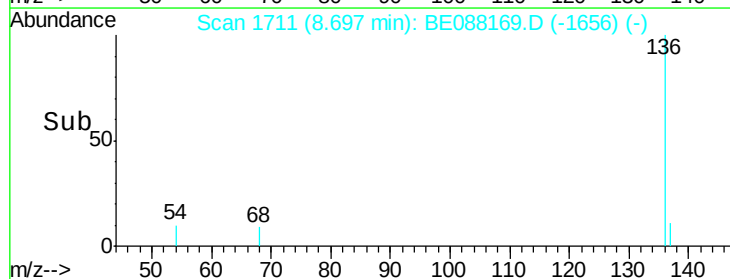
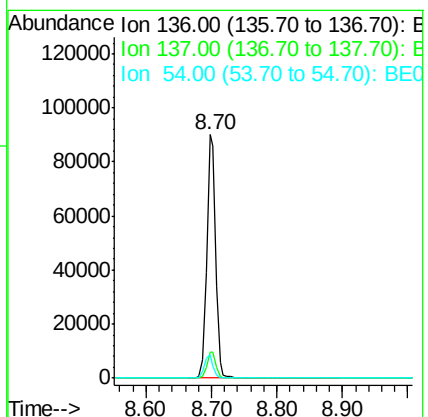
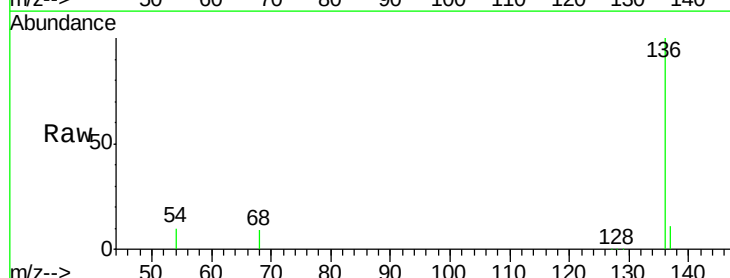
Tgt Ion:136 Resp: 84569

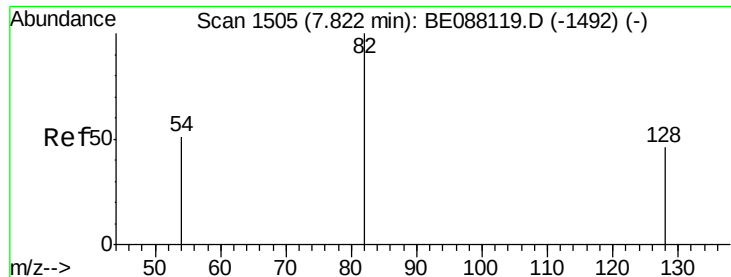
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 9.8 7.7 11.5





#4

Nitrobenzene-d5

Concen: 14.91 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088169.D

Acq: 22 Oct 2014 7:28

Instrument :

BNA_E

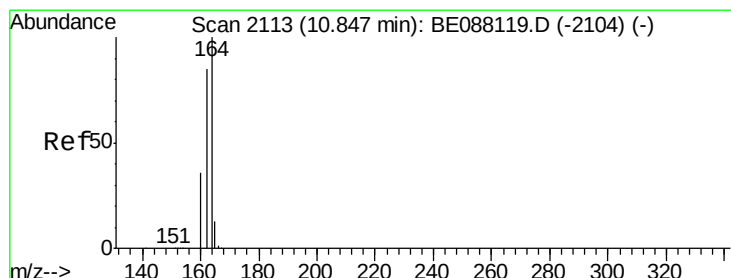
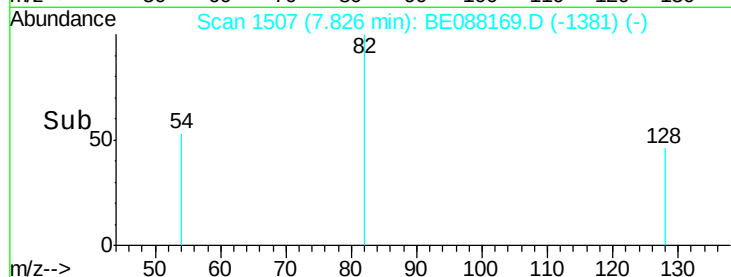
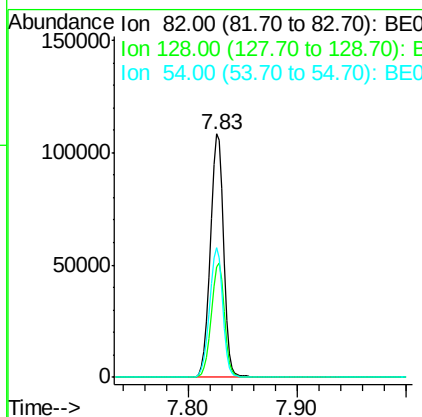
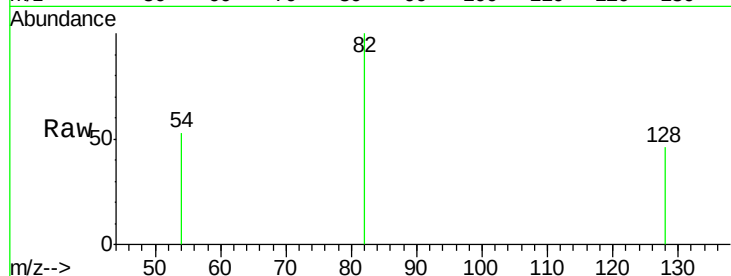
ClientSampleId :

YS19-SS27-1014

Tgt Ion:	82	Resp:	90908
Ion Ratio	Lower	Upper	
82	100		
128	45.5	37.1	55.7
54	53.5	41.1	61.7

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#7

Acenaphthene-d10

Concen: 5.00 ng

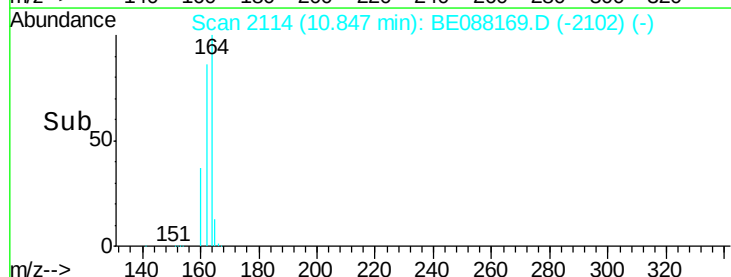
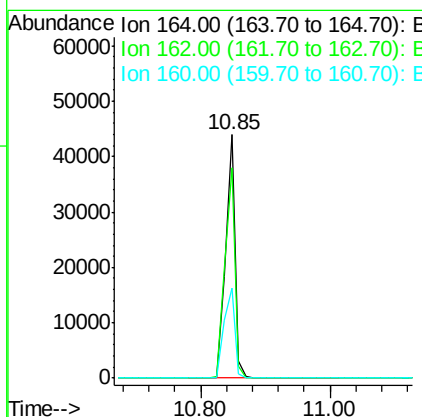
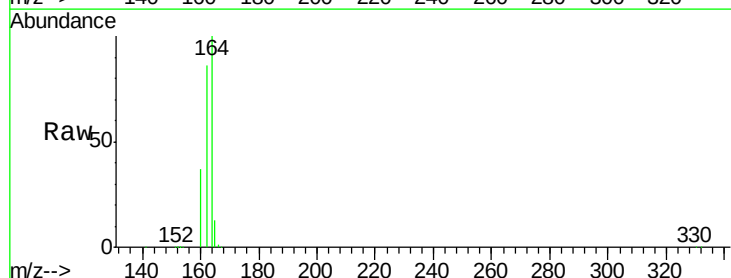
RT: 10.85 min Scan# 2114

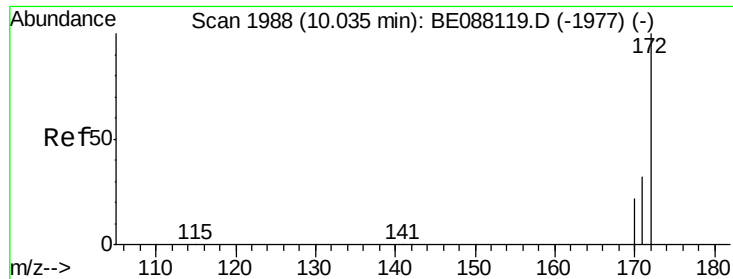
Delta R.T. 0.00 min

Lab File: BE088169.D

Acq: 22 Oct 2014 7:28

Tgt Ion:	164	Resp:	43371
Ion Ratio	Lower	Upper	
164	100		
162	86.3	68.3	102.5
160	36.8	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 13.00 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088169.D

Acq: 22 Oct 2014 7:28

Instrument :

BNA_E

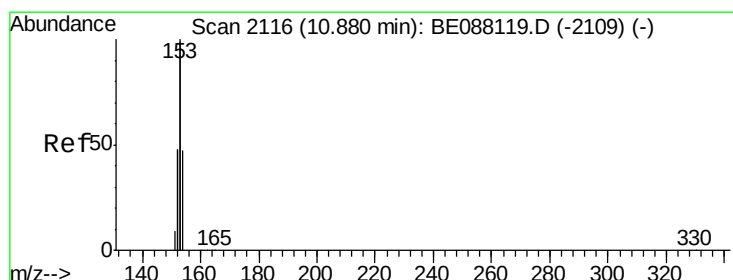
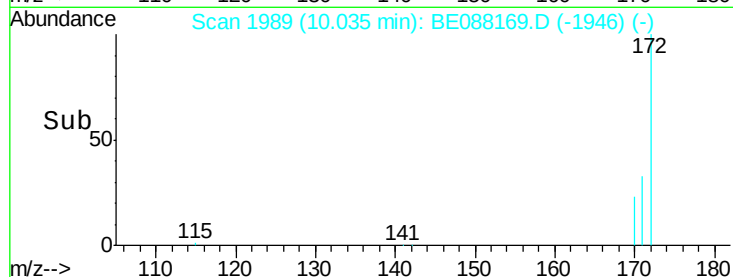
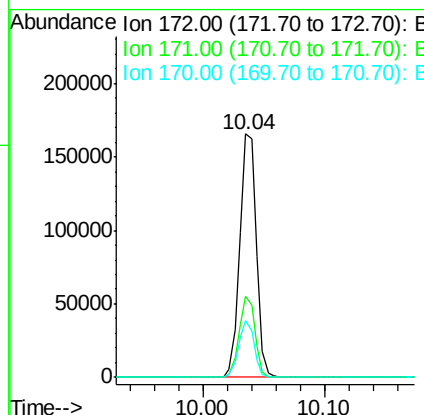
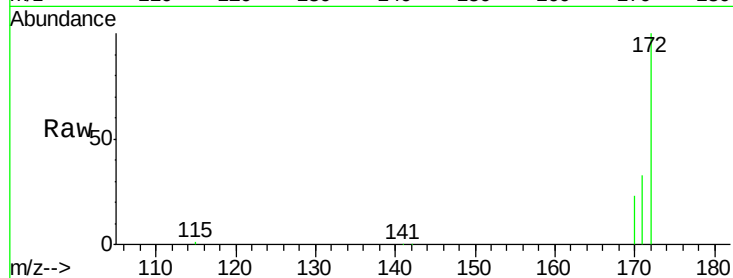
ClientSampleId :

YS19-SS27-1014

Tgt Ion:	172	Resp:	155791
Ion Ratio	Lower	Upper	
172	100		
171	33.3	25.4	38.2
170	23.3	17.4	26.2

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#10

Acenaphthene

Concen: 0.07 ng

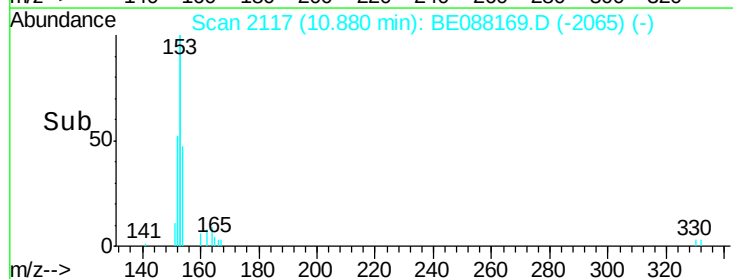
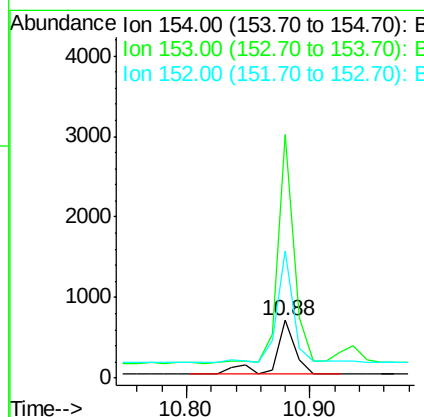
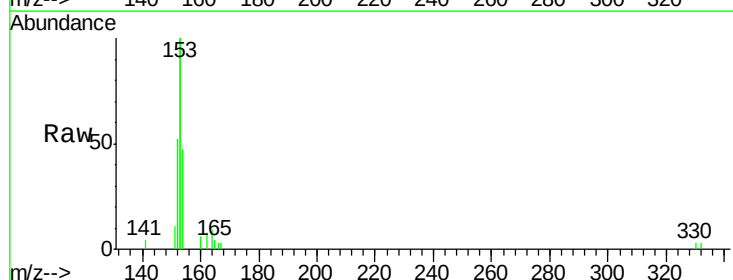
RT: 10.88 min Scan# 2117

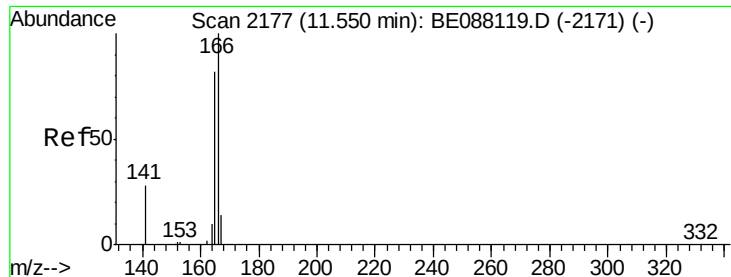
Delta R.T. 0.00 min

Lab File: BE088169.D

Acq: 22 Oct 2014 7:28

Tgt Ion:	154	Resp:	761
Ion Ratio	Lower	Upper	
154	100		
153	321.2	327.8	491.6#
152	164.5	157.6	236.4





#11

Fluorene

Concen: 0.06 ng

RT: 11.55 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE088169.D

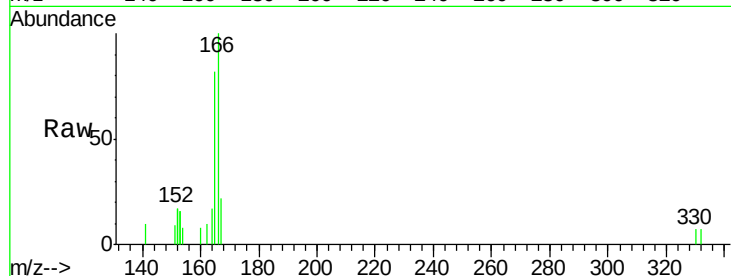
Acq: 22 Oct 2014 7:28

Instrument :

BNA_E

ClientSampleId :

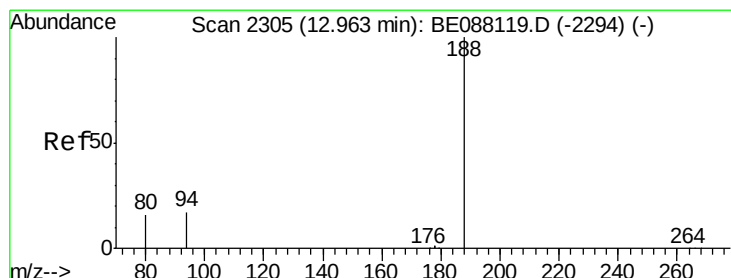
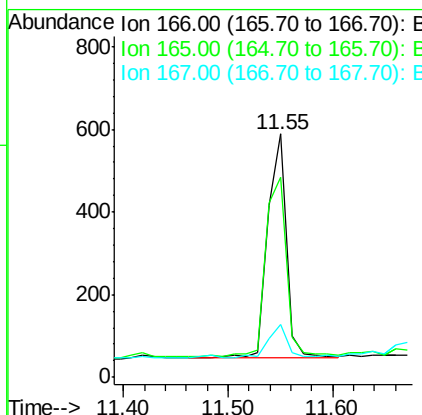
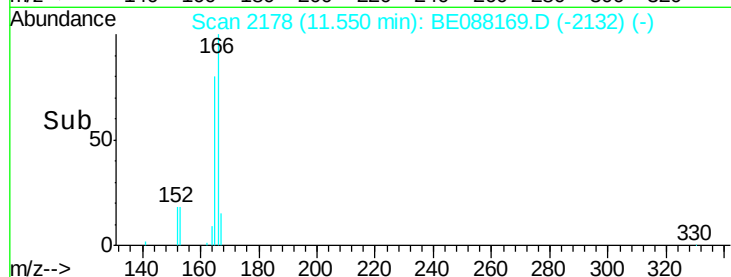
YS19-SS27-1014



Tgt Ion:	166	Resp:	677
Ion Ratio	Lower	Upper	
166	100		
165	90.0	71.4	107.2
167	14.3	10.6	16.0

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#12

Phenanthrene-d10

Concen: 5.00 ng

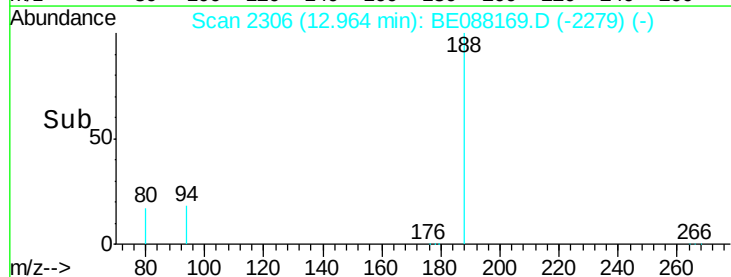
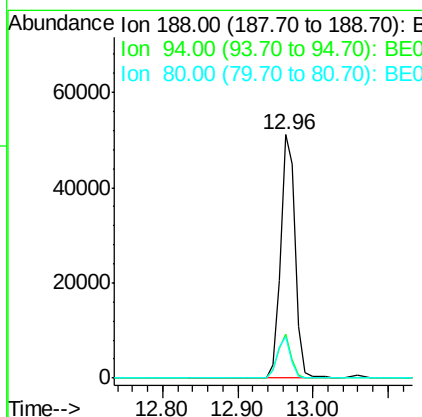
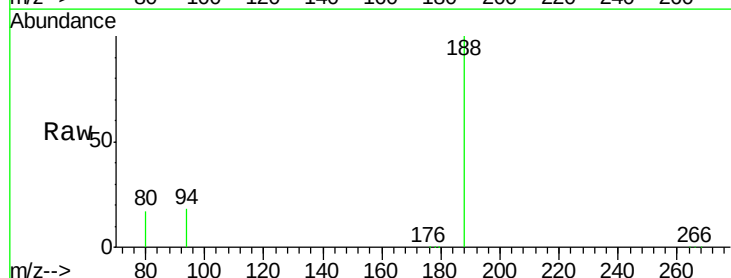
RT: 12.96 min Scan# 2306

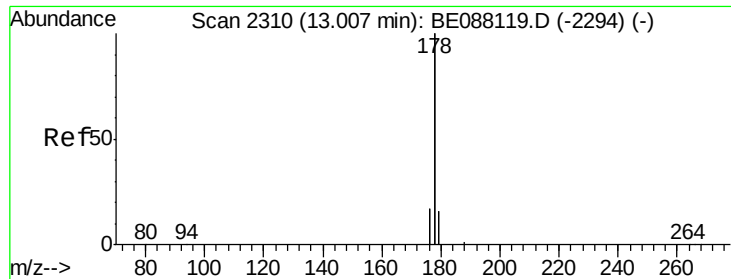
Delta R.T. 0.00 min

Lab File: BE088169.D

Acq: 22 Oct 2014 7:28

Tgt Ion:	188	Resp:	83448
Ion Ratio	Lower	Upper	
188	100		
94	17.8	13.9	20.9
80	16.9	12.9	19.3





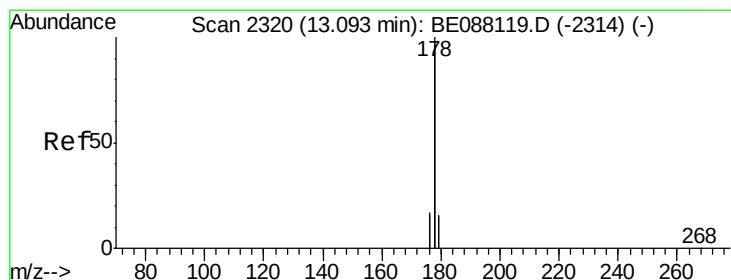
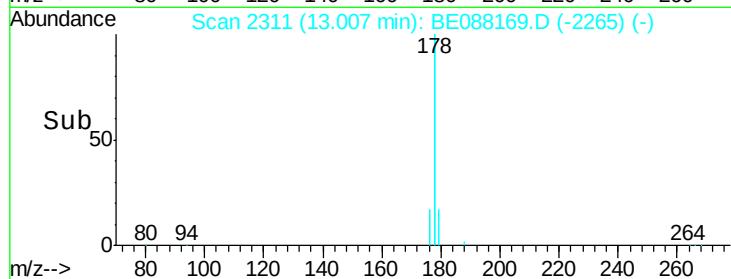
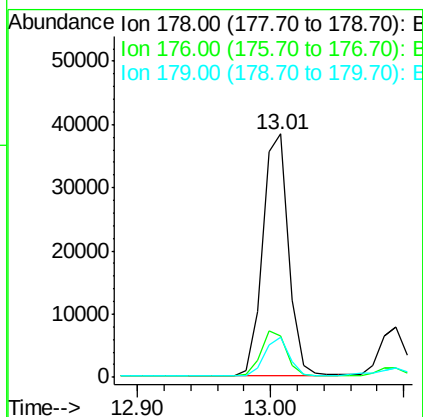
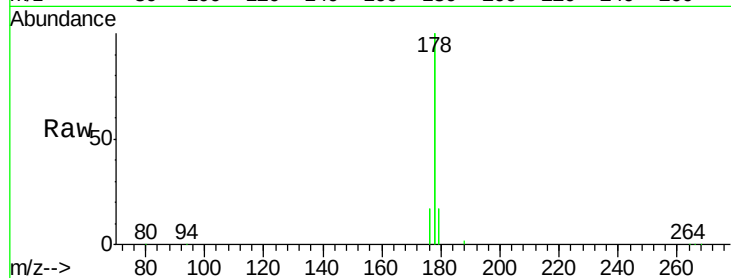
#13
Phenanthrene
Concen: 0.64 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Instrument :
BNA_E
ClientSampleId :
YS19-SS27-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	12.5	18.7#
179	17.0	13.5	20.3

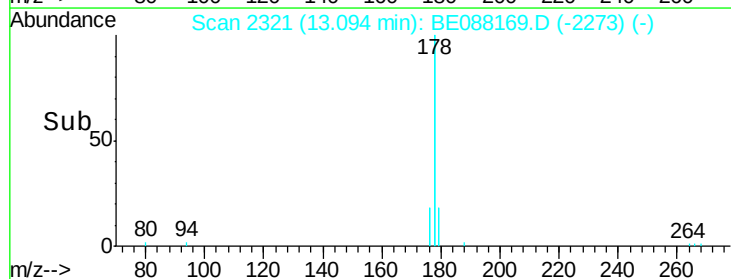
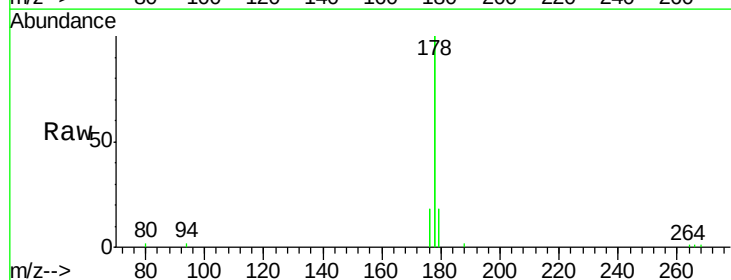
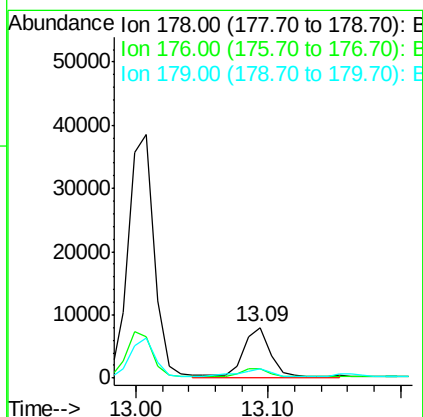
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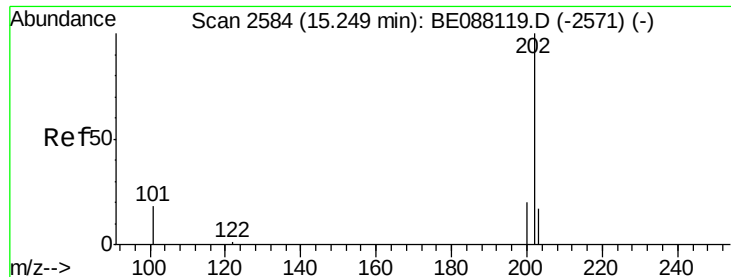
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#14
Anthracene
Concen: 0.19 ng m
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	79.7	14.6	21.8#
179	70.3	12.5	18.7#





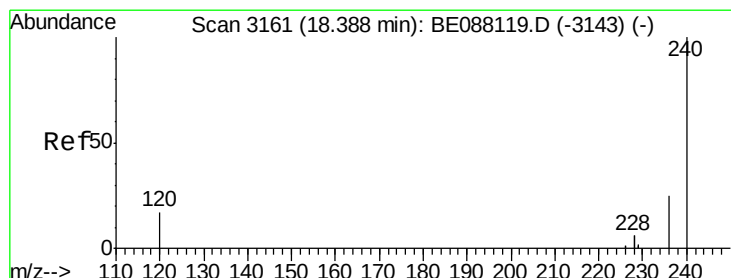
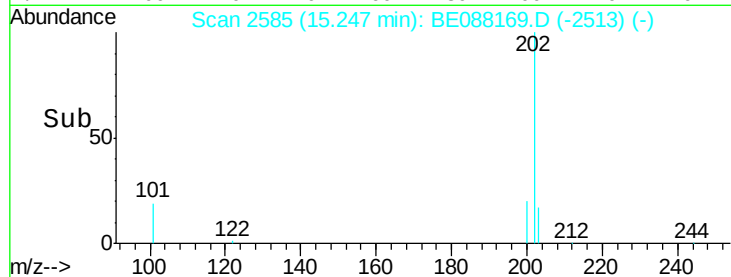
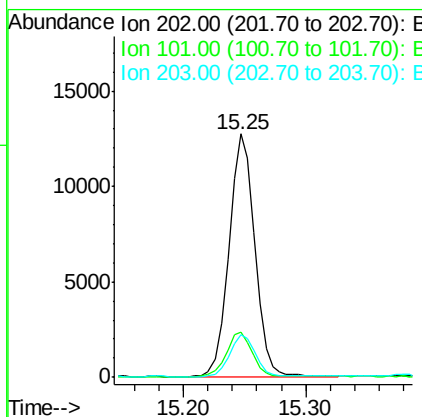
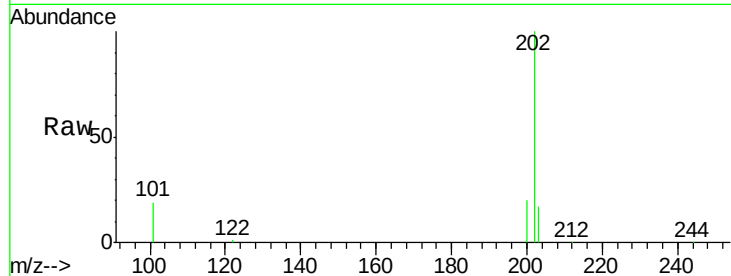
#15
Fluoranthene
Concen: 1.18 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Instrument :
BNA_E
ClientSampleId :
YS19-SS27-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	18.2	14.8	22.2
203	17.2	13.5	20.3

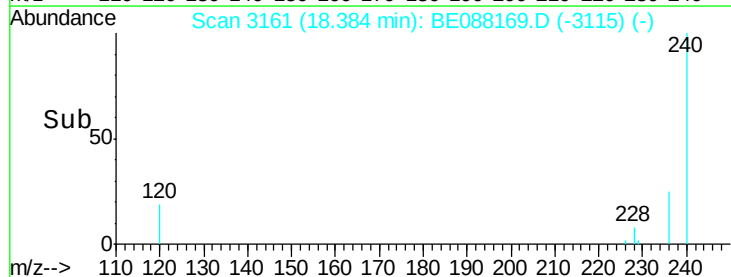
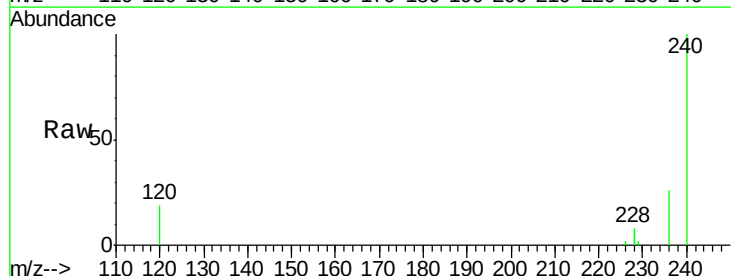
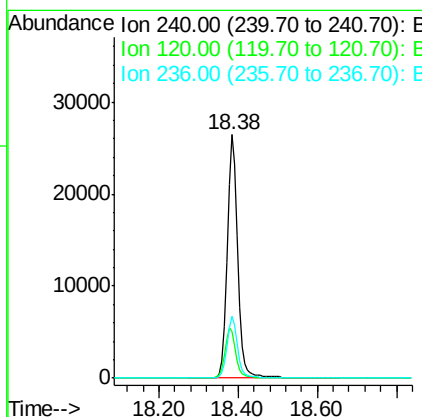
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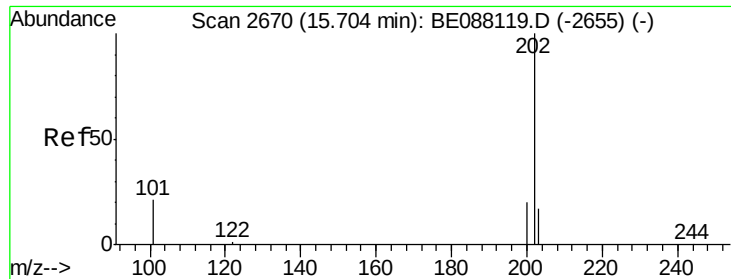
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#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	19.3	13.9	20.9
236	25.6	19.9	29.9





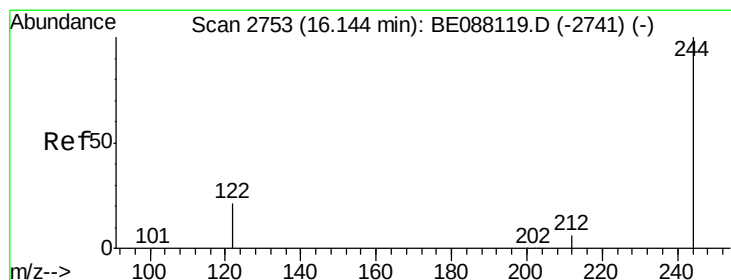
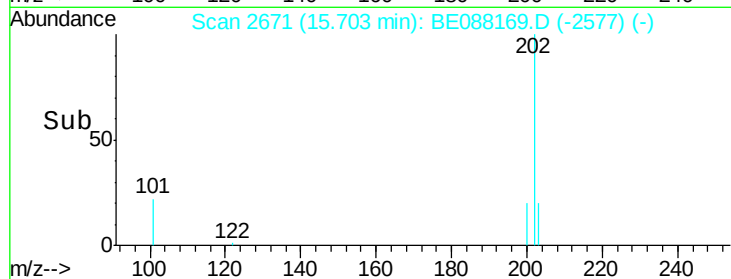
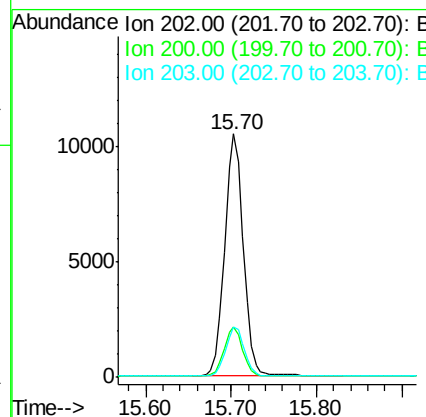
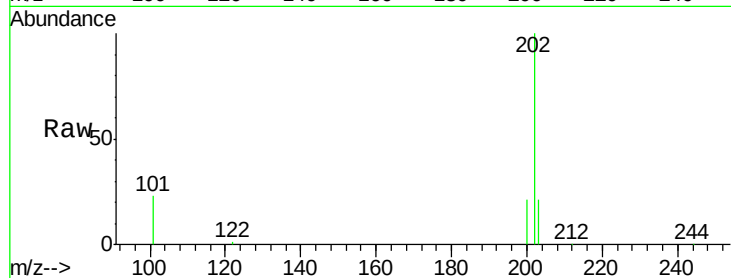
#17
 Pyrene
 Concen: 1.23 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088169.D
 Acq: 22 Oct 2014 7:28

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS27-1014

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	15829		
200	20.1	16.1	24.1	
203	20.3	13.9	20.9	

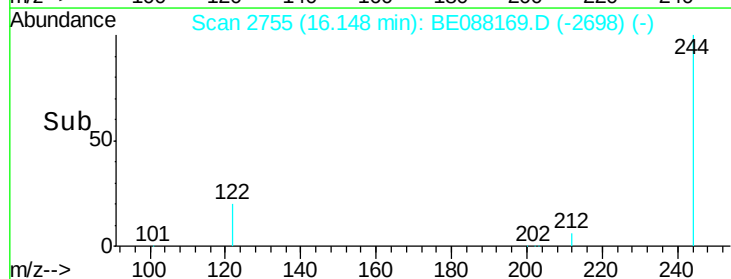
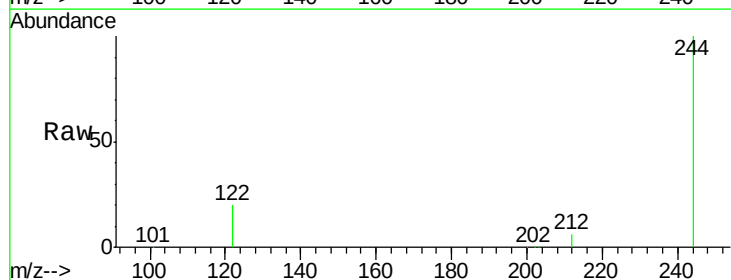
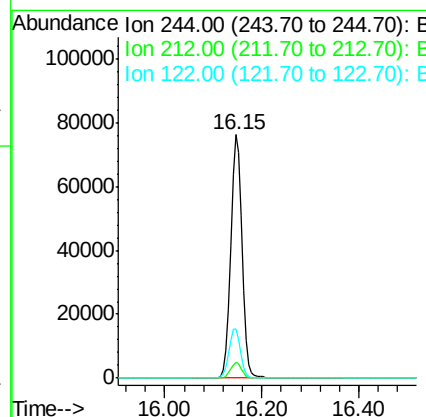
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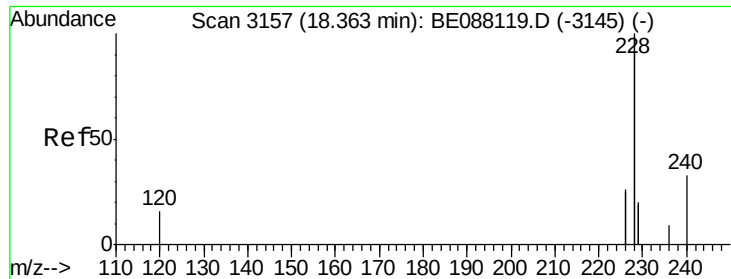
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#18
 Terphenyl-d14
 Concen: 16.13 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088169.D
 Acq: 22 Oct 2014 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	122765		
212	6.5	5.4	8.0	
122	20.2	17.5	26.3	





#19

Benzo(a)anthracene

Concen: 0.64 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088169.D

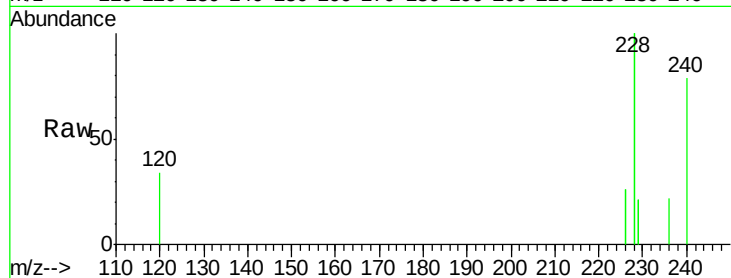
Acq: 22 Oct 2014 7:28

Instrument :

BNA_E

ClientSampleId :

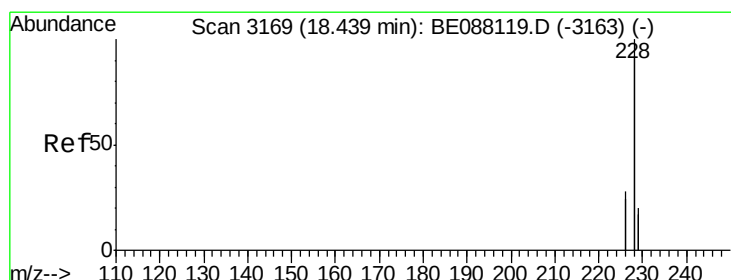
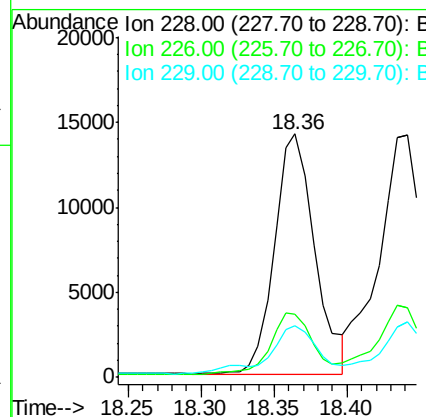
YS19-SS27-1014



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.8	31.2
229	21.4	15.6	23.4

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#20

Chrysene

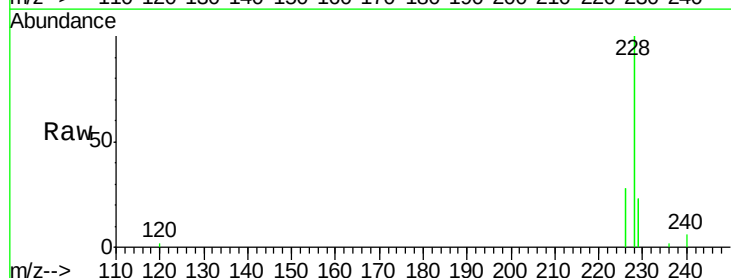
Concen: 0.75 ng

RT: 18.44 min Scan# 3170

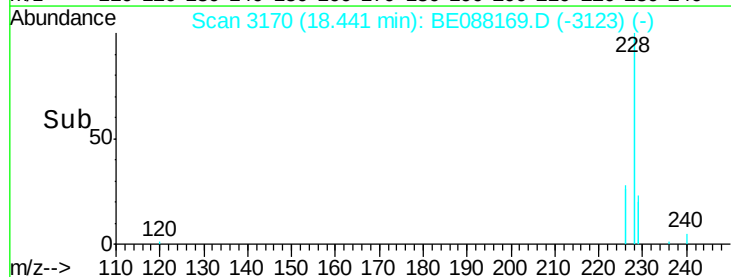
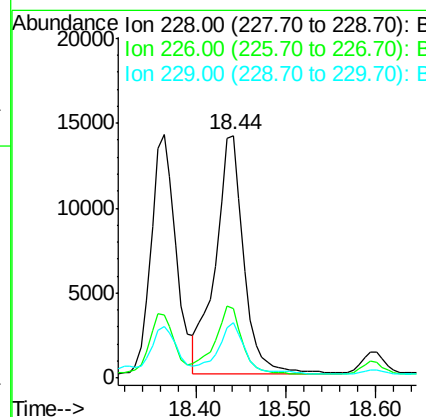
Delta R.T. 0.00 min

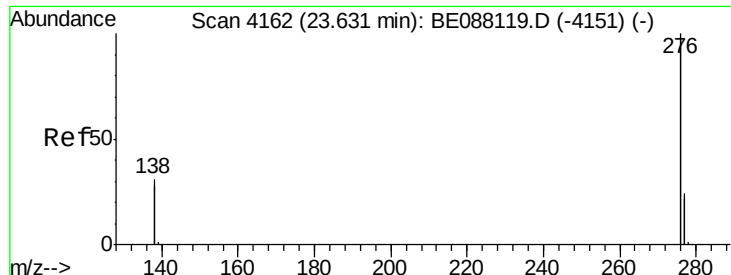
Lab File: BE088169.D

Acq: 22 Oct 2014 7:28



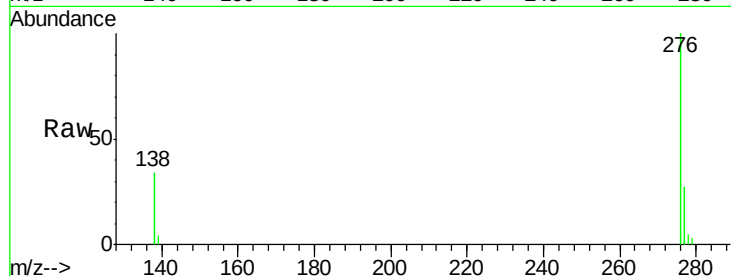
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.7	34.1
229	22.7	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.34 ng
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

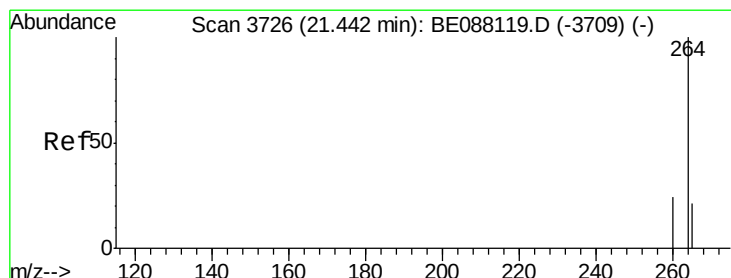
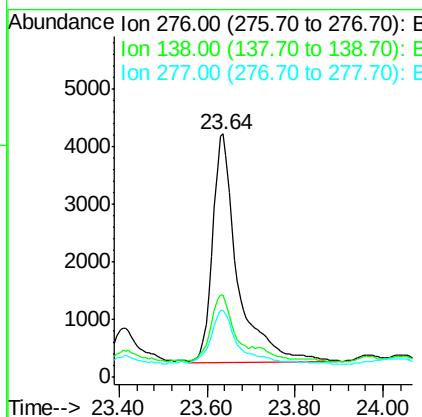
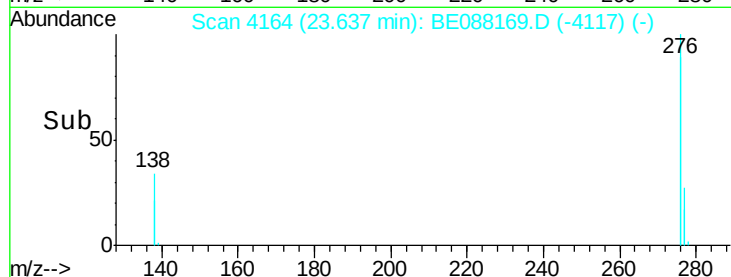
Instrument :
BNA_E
ClientSampleId :
YS19-SS27-1014



Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	18.5	27.7#
277	23.8	14.6	21.8#

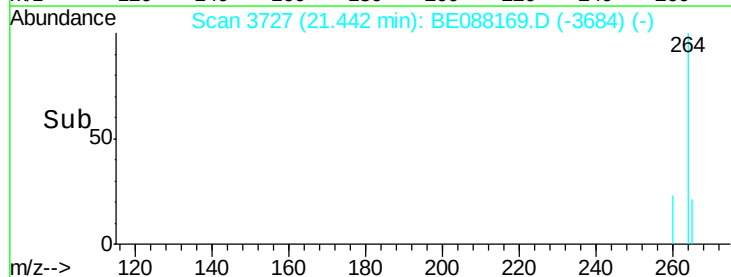
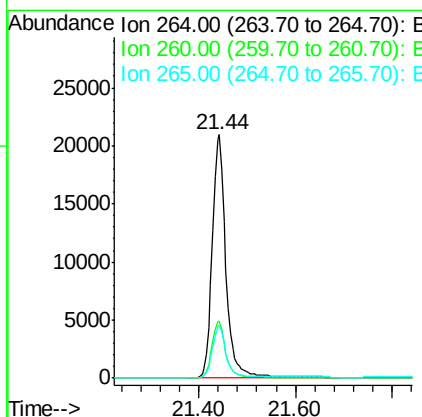
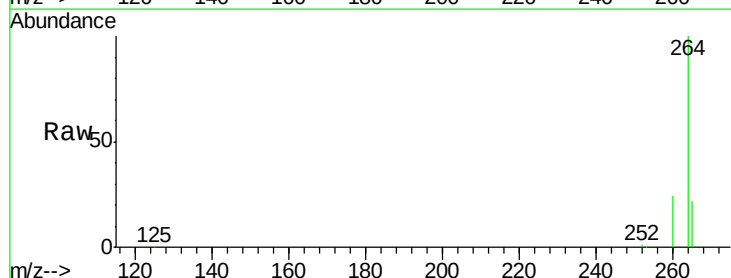
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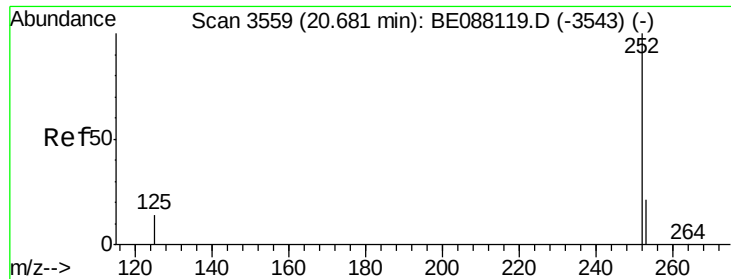
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

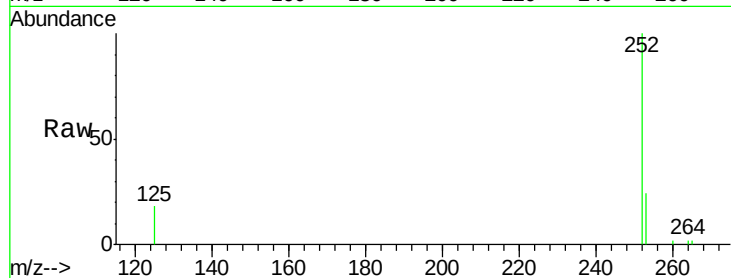
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.7	17.2	25.8





#23
Benzo(b)fluoranthene
Concen: 0.79 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

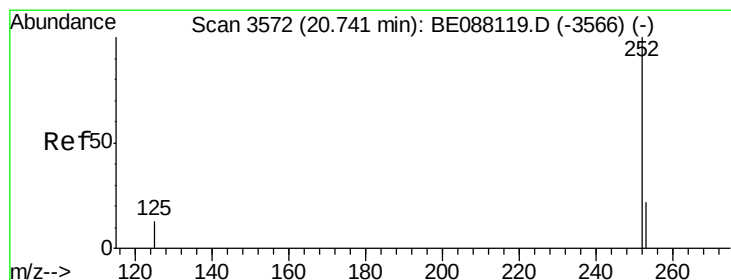
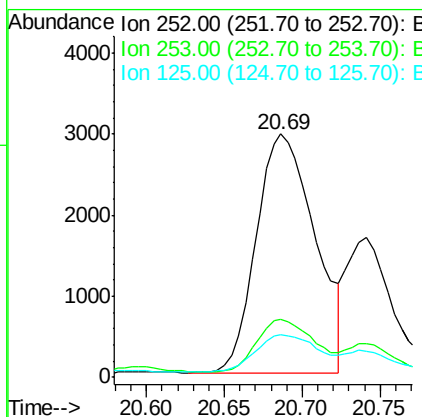
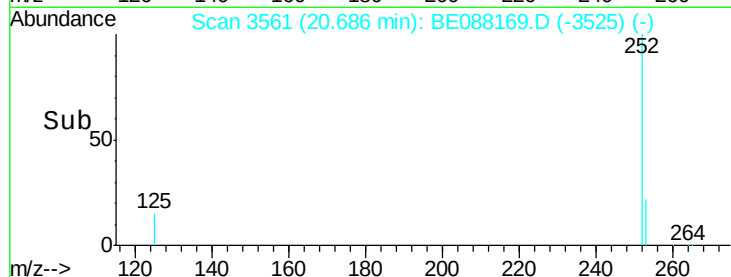
Instrument :
BNA_E
ClientSampleId :
YS19-SS27-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	17.5	11.8	17.8

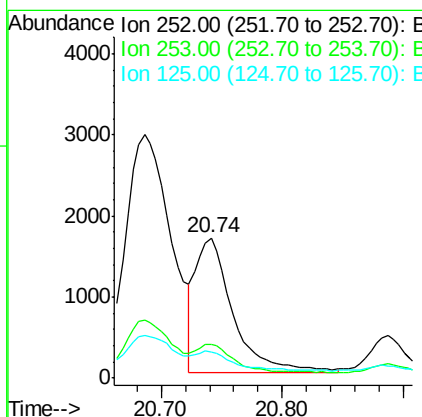
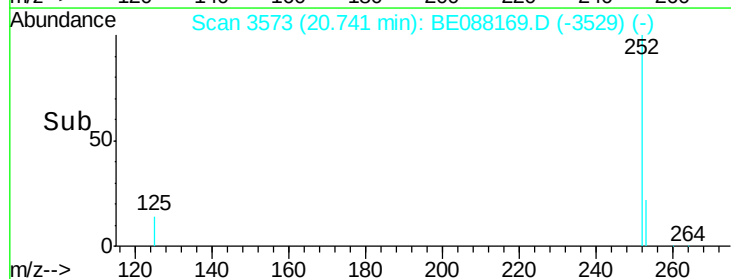
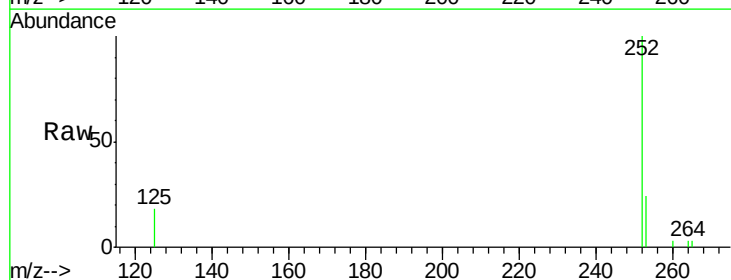
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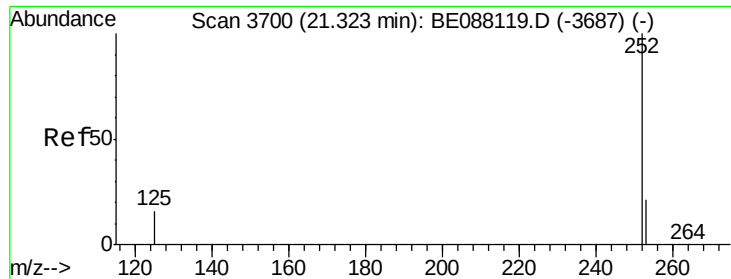
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#24
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 20.74 min Scan# 3573
Delta R.T. 0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	18.3	11.5	17.3





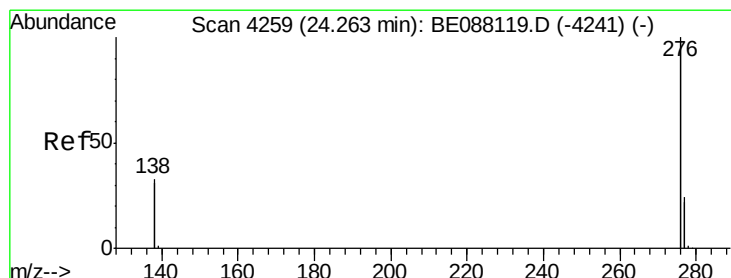
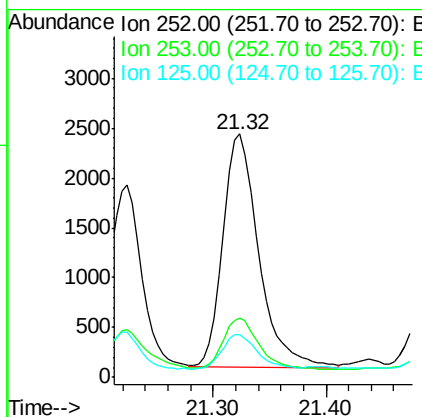
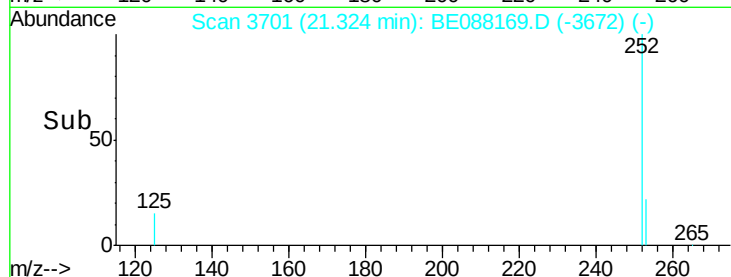
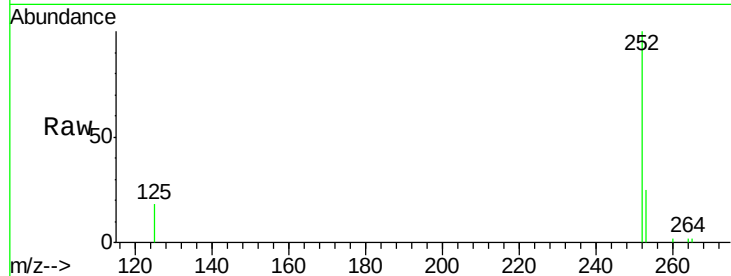
#25
Benzo(a)pyrene
Concen: 0.57 ng
RT: 21.32 min Scan# 3701
Delta R.T. 0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Instrument :
BNA_E
ClientSampleId :
YS19-SS27-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	17.7	13.0	19.6

Manual Integrations
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#27
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 24.26 min Scan# 4260
Delta R.T. -0.00 min
Lab File: BE088169.D
Acq: 22 Oct 2014 7:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.2	28.8
138	35.6	26.6	40.0

