

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088451.D
 Acq On : 1 Nov 2014 8:05
 Operator : TP/JJ
 Sample : F4379-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38-1014

Manual Integrations
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Quant Time: Nov 02 04:30:49 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	24582	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	94438	5.00	ng	0.00
7) Acenaphthene-d10	10.80	164	46269	5.00	ng	0.01
12) Phenanthrene-d10	12.91	188	82594	5.00	ng	0.00
16) Chrysene-d12	18.33	240	35614	5.00	ng	0.02
22) Perylene-d12	21.40	264	33888	5.00	ng	0.02
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	456299	65.88	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	542493	41.60	ng	0.01
18) Terphenyl-d14	16.10	244	351803	53.77	ng	0.03
Target Compounds						Qvalue
9) Acenaphthylene	10.63	152	12134	0.16	ng	97
11) Fluorene	11.49	166	477	0.04	ng	# 84
13) Phenanthrene	12.95	178	18495	0.25	ng	# 71
14) Anthracene	13.04	178	13486	0.22	ng	# 92
15) Fluoranthene	15.19	202	16057	1.32	ng	99
17) Pyrene	15.65	202	17138	1.48	ng	98
19) Benzo(a)anthracene	18.31	228	37907	1.13	ng	96
20) Chrysene	18.38	228	54921	1.67	ng	98
21) Indeno(1,2,3-cd)pyrene	23.57	276	56994m	1.86	ng	
23) Benzo(b)fluoranthene	20.64	252	25560	3.44	ng	97
24) Benzo(k)fluoranthene	20.69	252	8304m	1.01	ng	
25) Benzo(a)pyrene	21.28	252	13664	1.92	ng	97
26) Dibenzo(a,h)anthracene	23.66	278	2889	0.44	ng	# 81
27) Benzo(g,h,i)perylene	24.20	276	58178	1.91	ng	100

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

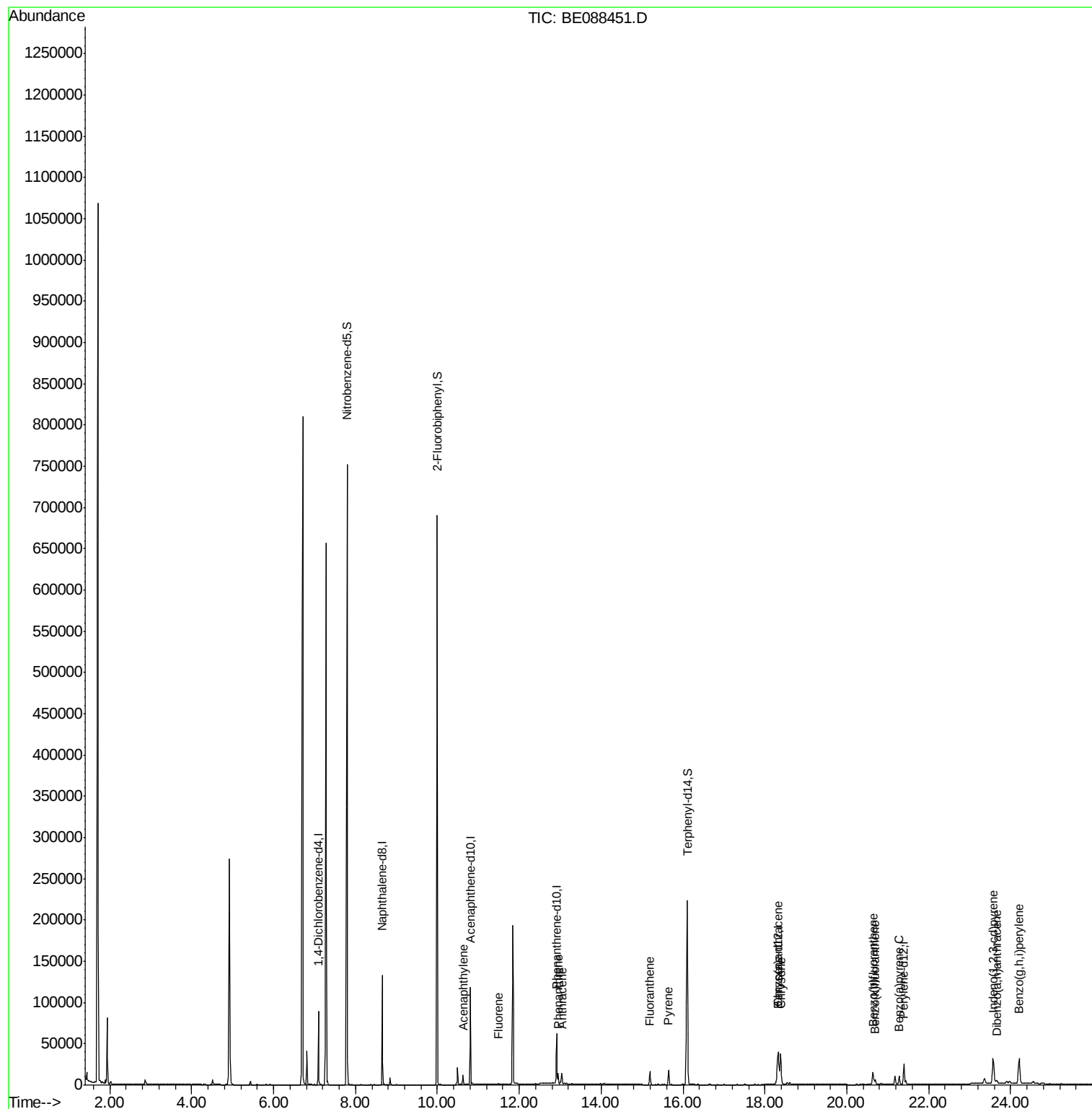
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088451.D
Acq On : 1 Nov 2014 8:05
Operator : TP/JJ
Sample : F4379-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

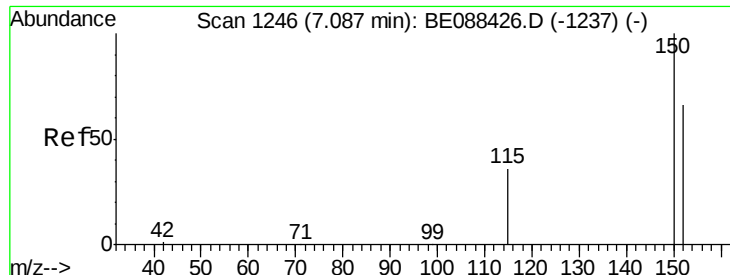
Instrument :
BNA_E
ClientSampleId :
YS19-SS38-1014

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QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE088451.D

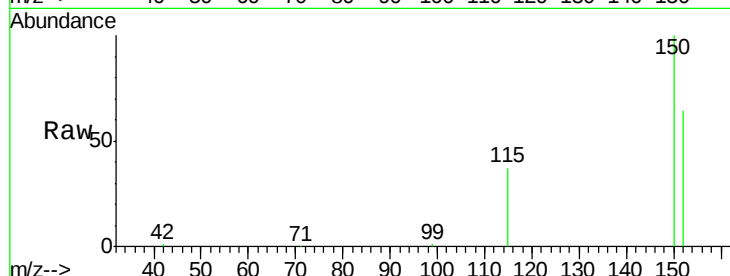
Acq: 1 Nov 2014 8:05

Instrument :

BNA_E

ClientSampleId :

YS19-SS38-1014



Tgt Ion:152 Resp: 24582

Ion Ratio Lower Upper

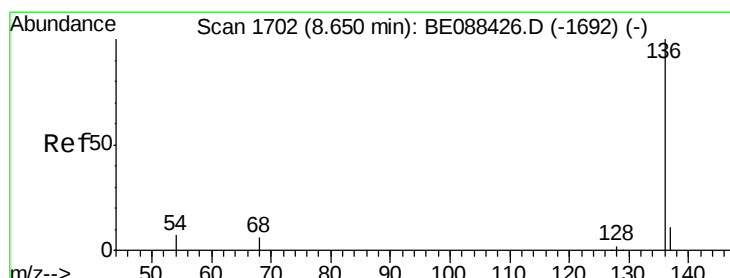
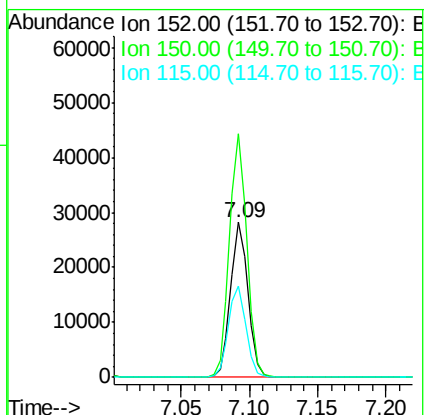
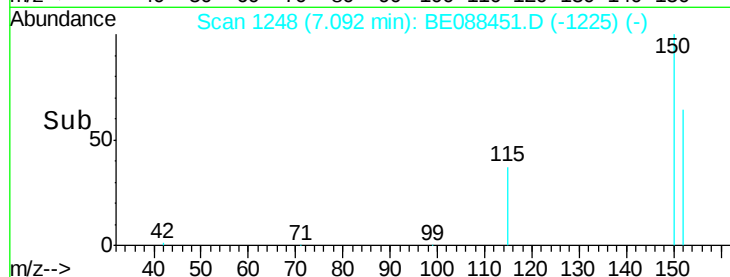
152 100

150 157.4 121.8 182.8

115 58.6 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1703

Delta R.T. 0.00 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

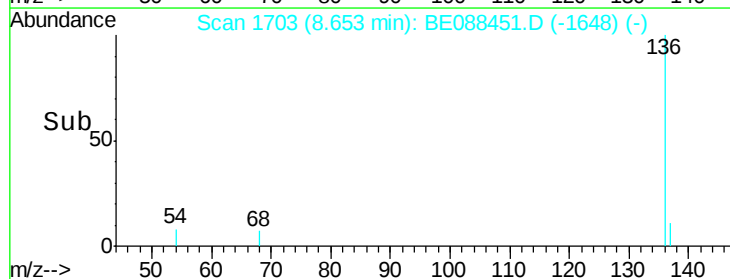
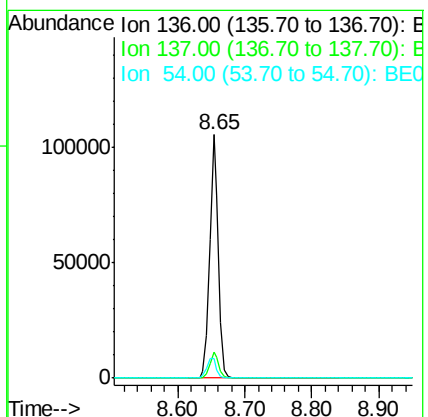
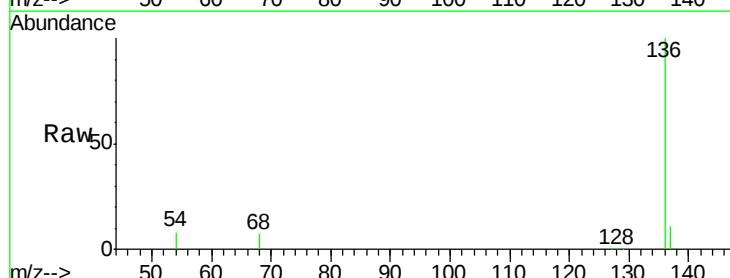
Tgt Ion:136 Resp: 94438

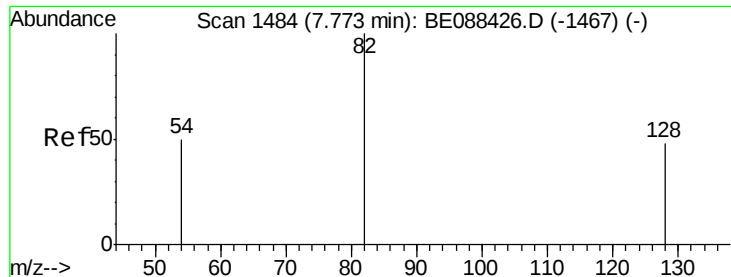
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.0 5.3 7.9#





#4

Nitrobenzene-d5

Concen: 65.88 ng

RT: 7.79 min Scan# 1494

Delta R.T. 0.02 min

Lab File: BE088451.D

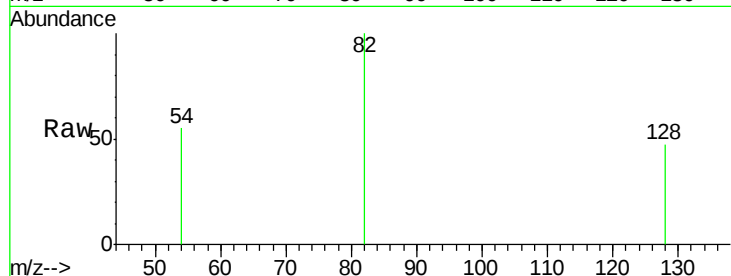
Acq: 1 Nov 2014 8:05

Instrument :

BNA_E

ClientSampleId :

YS19-SS38-1014



Tgt Ion: 82 Resp: 456299

Ion Ratio Lower Upper

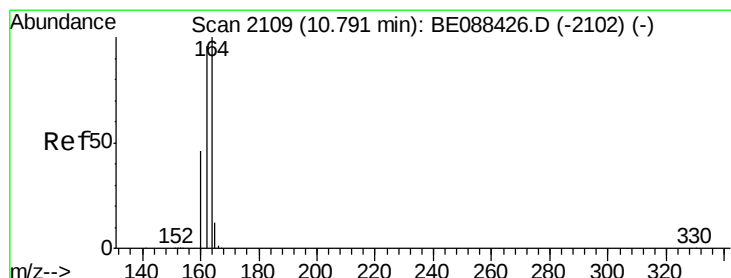
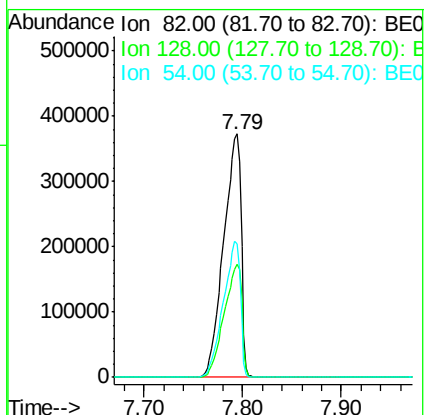
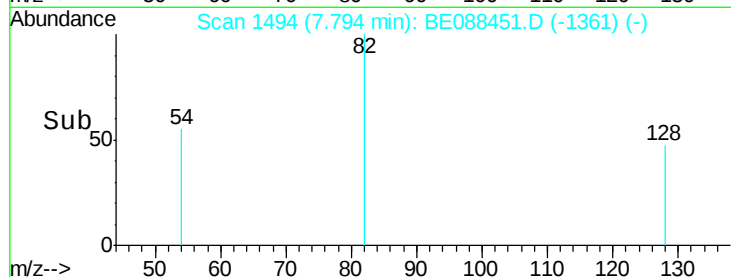
82 100

128 46.7 38.4 57.6

54 55.0 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.80 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

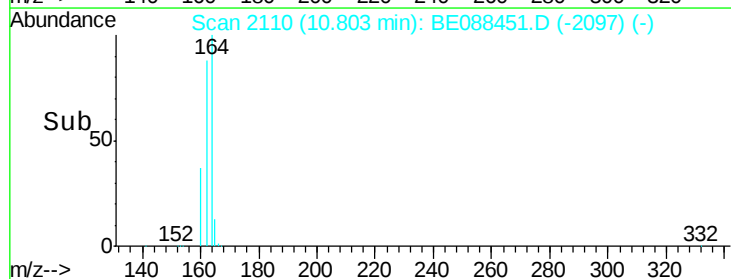
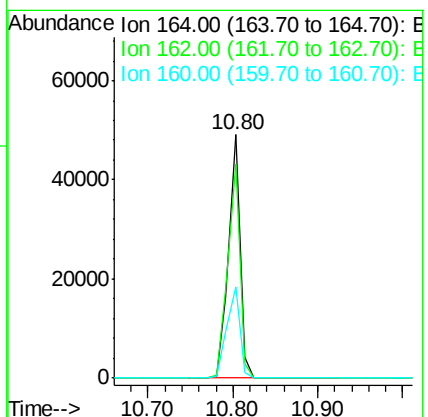
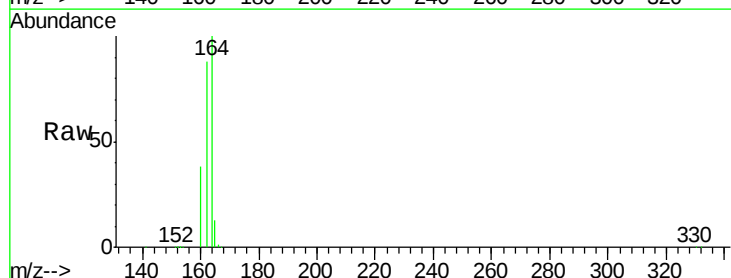
Tgt Ion: 164 Resp: 46269

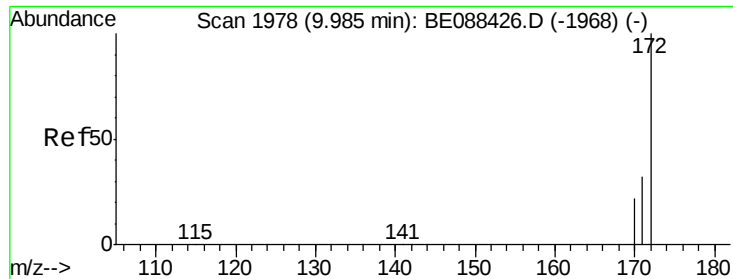
Ion Ratio Lower Upper

164 100

162 87.8 77.0 115.4

160 37.5 36.8 55.2





#8

2-Fluorobiphenyl

Concen: 41.60 ng

RT: 10.00 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BE088451.D

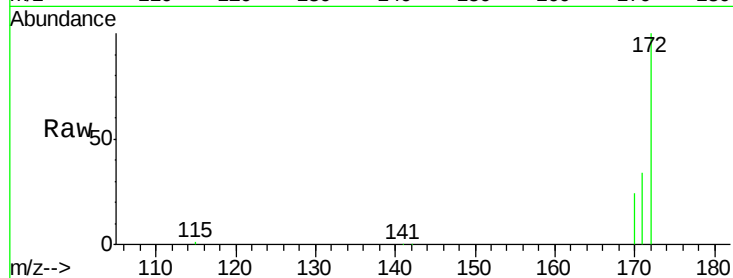
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Instrument :

BNA_E

ClientSampleId :

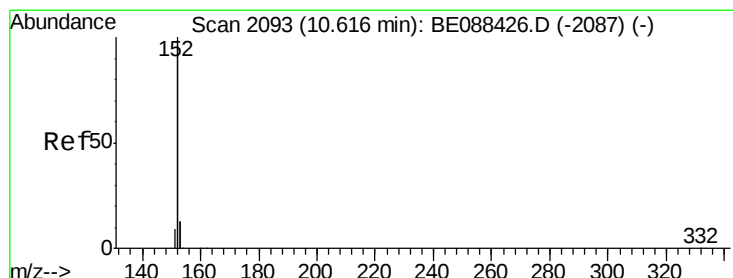
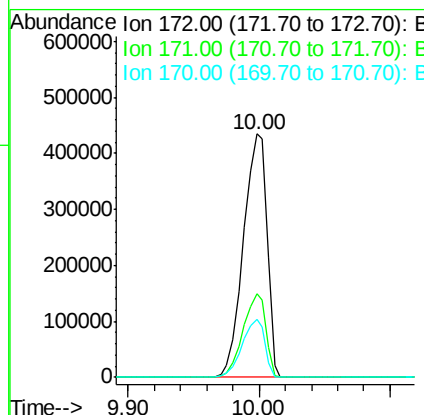
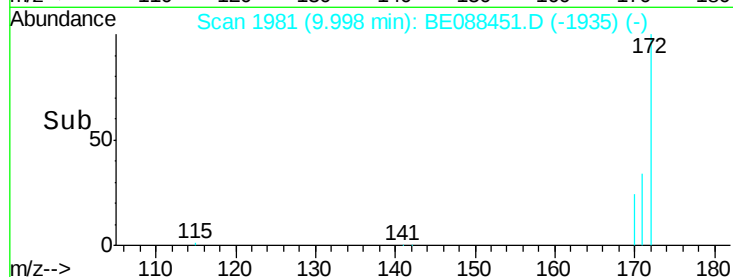
YS19-SS38-1014



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	542493		
171	34.1	26.0	39.0	
170	23.9	17.6	26.4	

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#9

Acenaphthylene

Concen: 0.16 ng

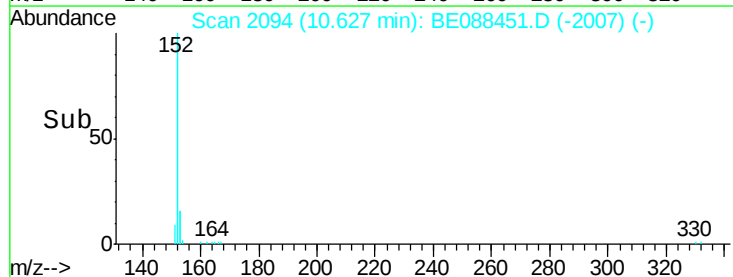
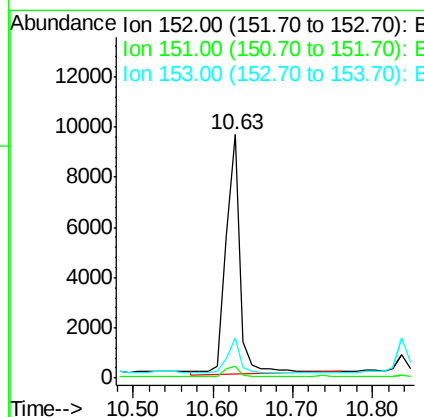
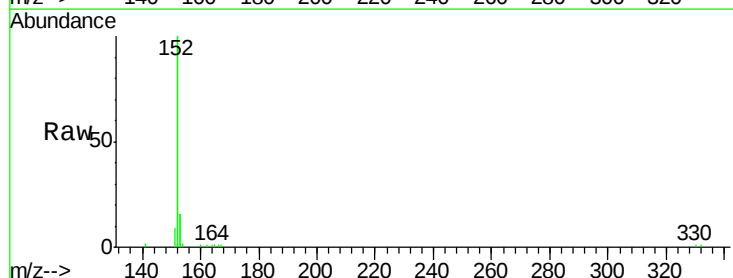
RT: 10.63 min Scan# 2094

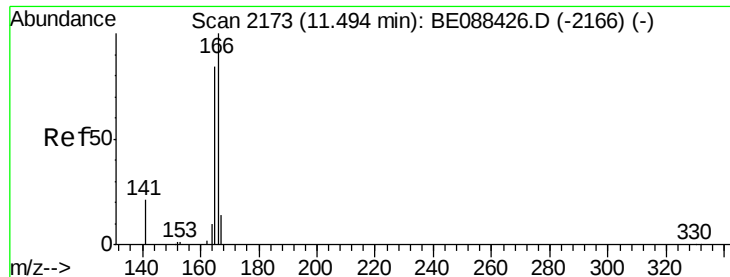
Delta R.T. 0.01 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	12134		
151	4.5	4.4	6.6	
153	12.2	10.5	15.7	





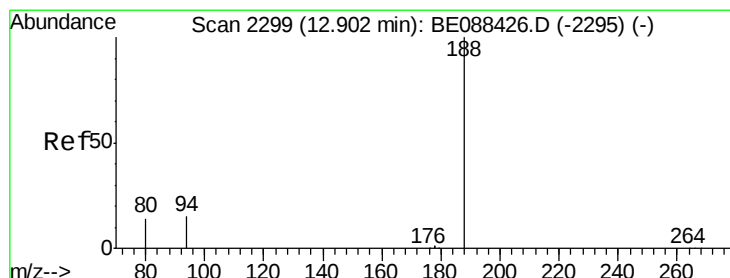
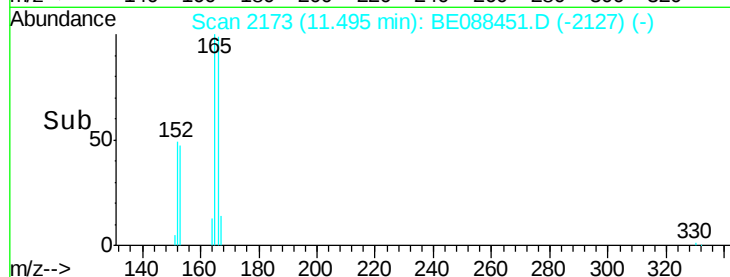
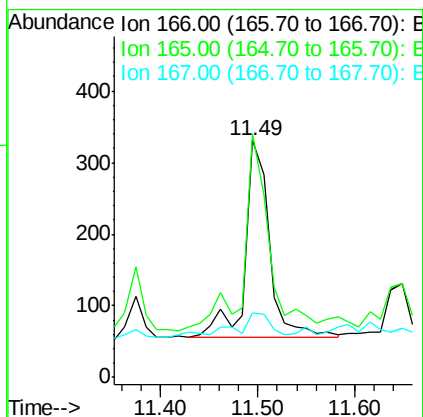
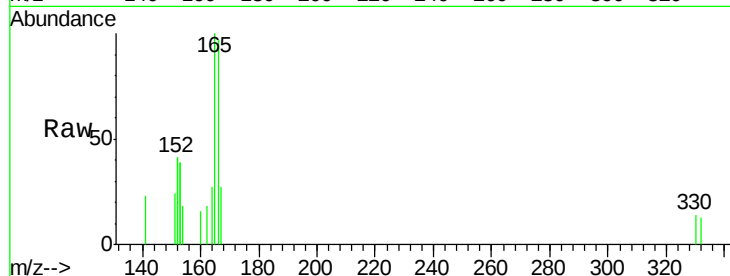
#11
Fluorene
 Concen: 0.04 ng
 RT: 11.49 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38-1014

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.0	71.3	106.9
167	18.7	10.7	16.1#

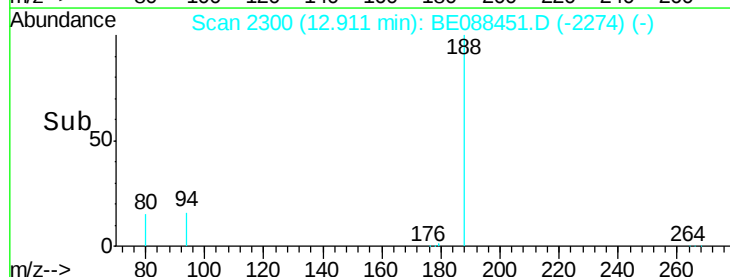
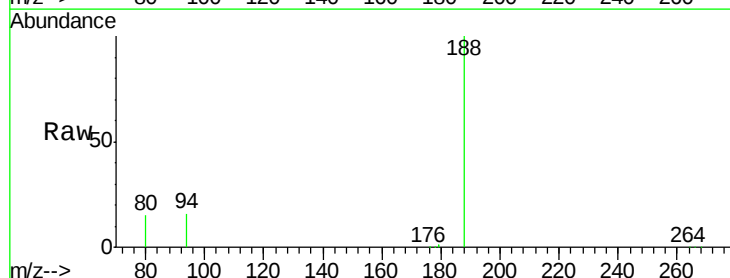
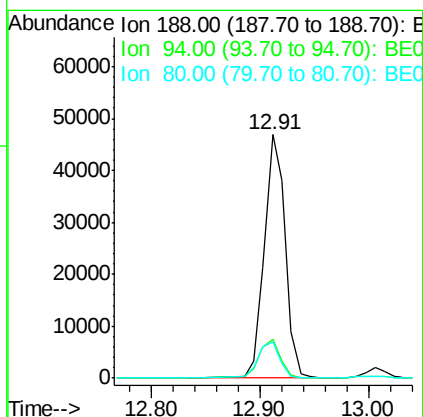
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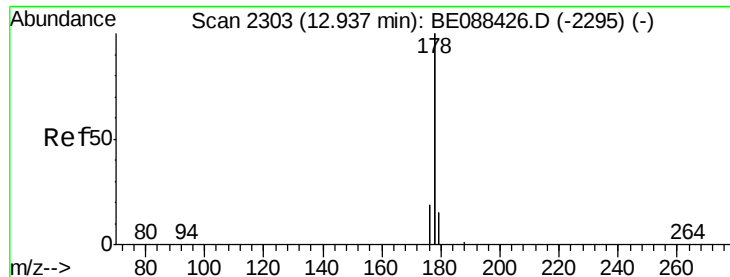
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.91 min Scan# 2300
 Delta R.T. 0.01 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	16.0	11.8	17.8
80	14.9	10.9	16.3





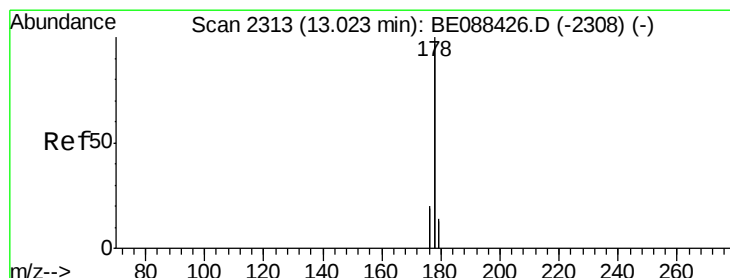
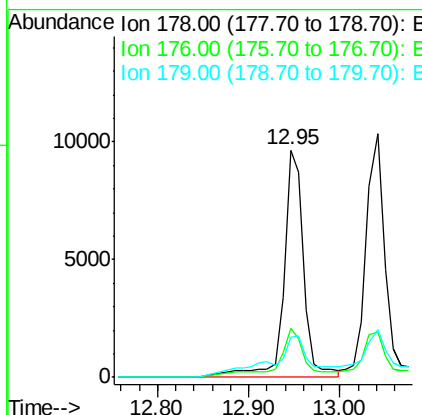
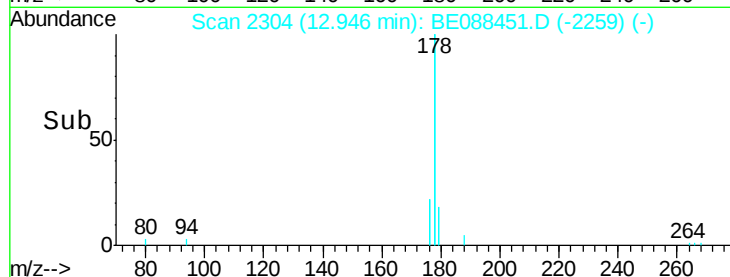
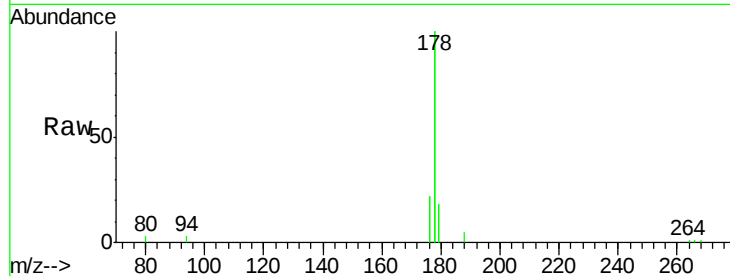
#13
Phenanthrene
Concen: 0.25 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BE088451.D
Acq: 1 Nov 2014 8:05

Instrument :
BNA_E
ClientSampleId :
YS19-SS38-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	28.0	15.4	23.2#
179	33.1	12.8	19.2#

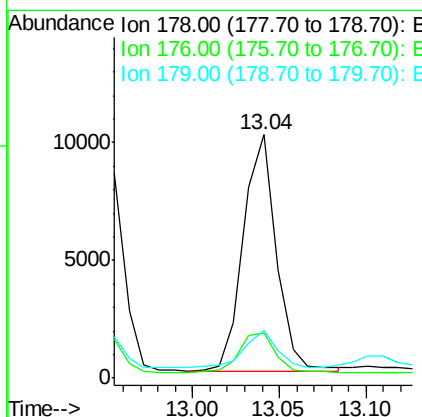
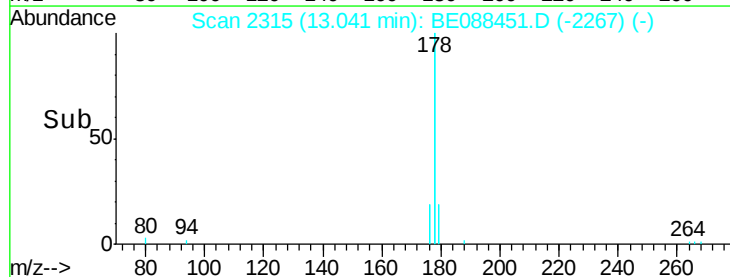
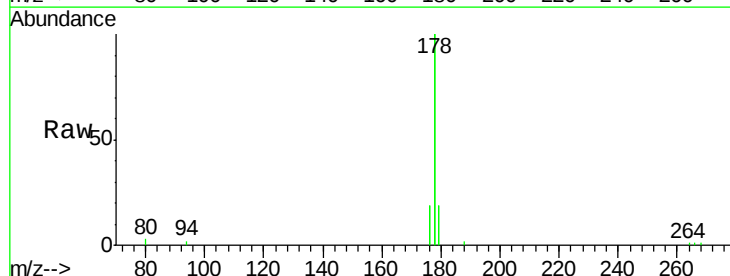
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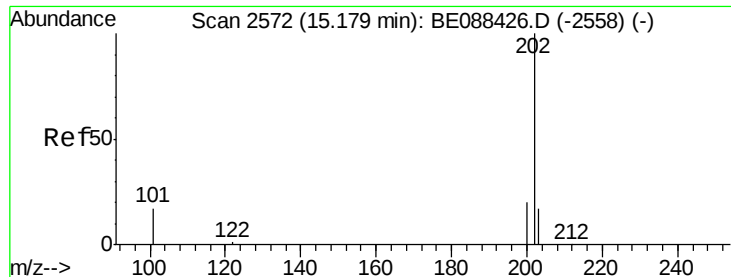
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#14
Anthracene
Concen: 0.22 ng
RT: 13.04 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BE088451.D
Acq: 1 Nov 2014 8:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.0	22.4
179	22.0	12.5	18.7#





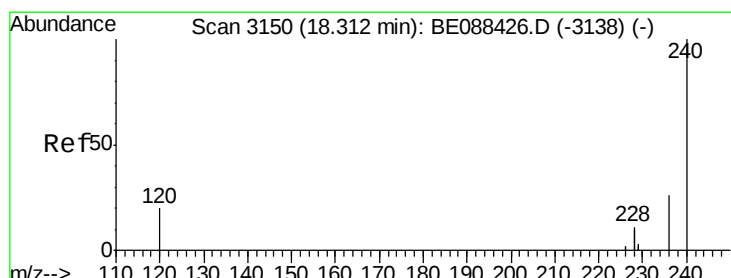
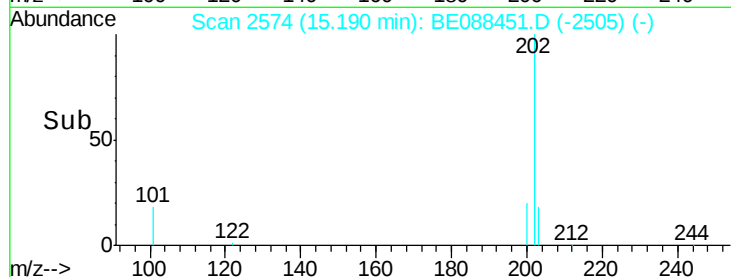
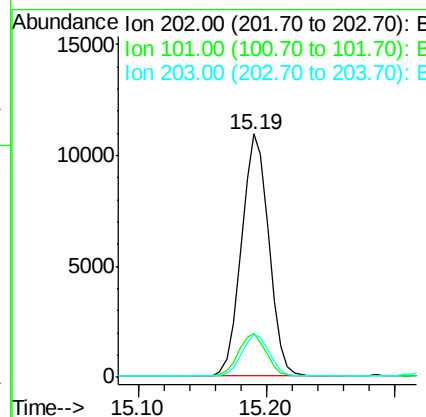
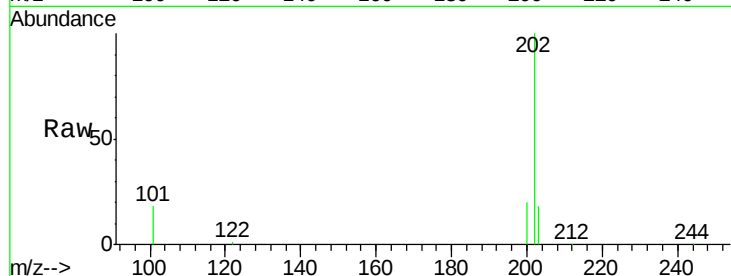
#15
Fluoranthene
 Concen: 1.32 ng
 RT: 15.19 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	17.5	14.3	21.5
203	17.1	13.6	20.4

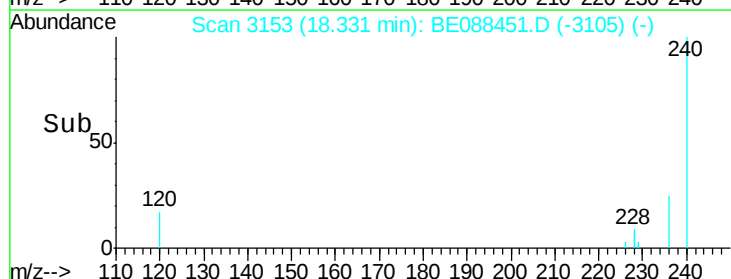
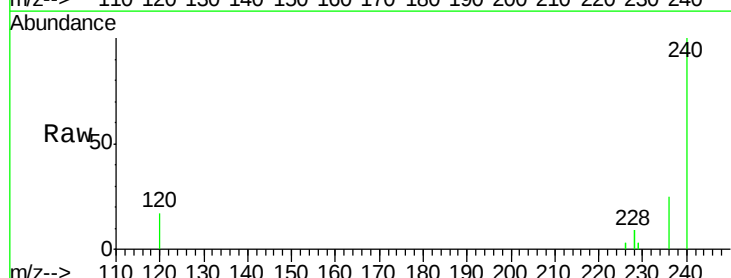
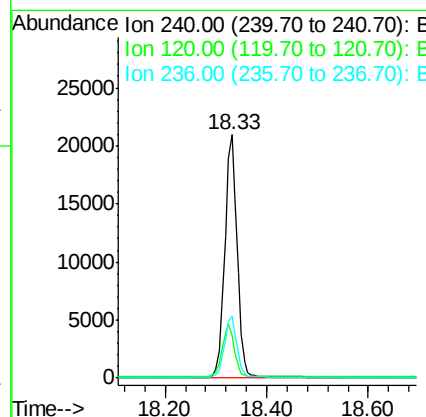
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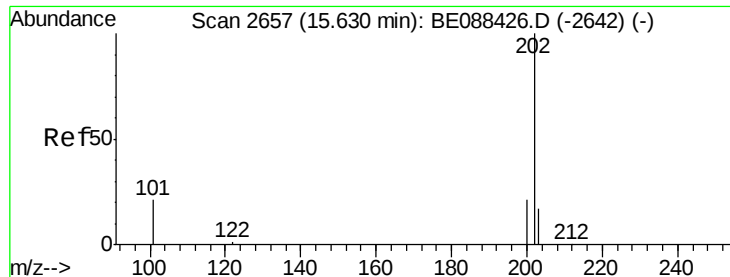
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#16
Chrysene-d12
 Concen: 5.00 ng
 RT: 18.33 min Scan# 3153
 Delta R.T. 0.02 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	17.5	16.4	24.6
236	25.2	20.5	30.7





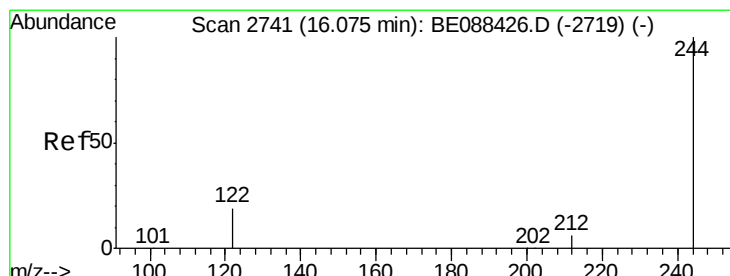
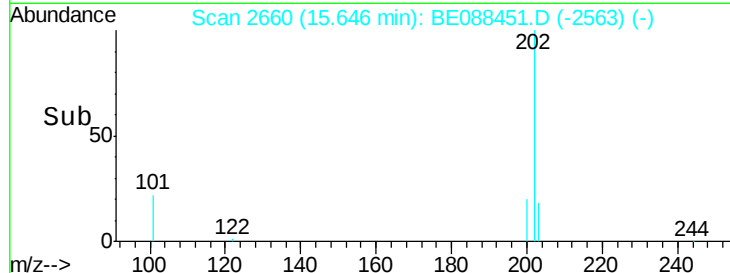
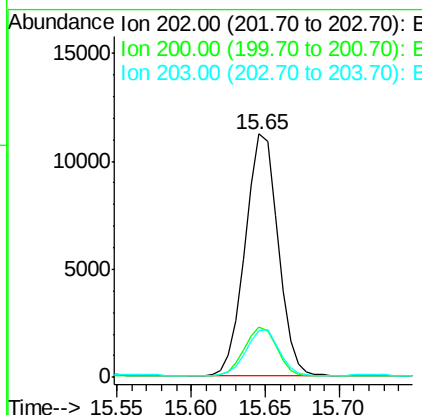
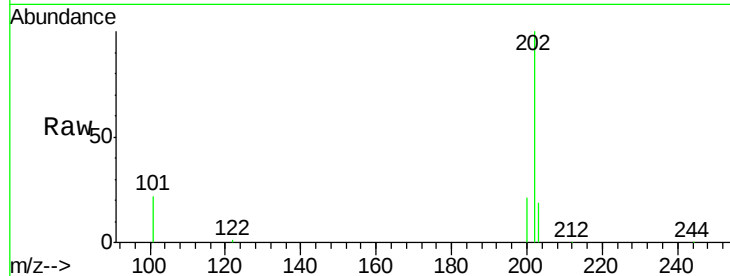
#17
 Pyrene
 Concen: 1.48 ng
 RT: 15.65 min Scan# 2660
 Delta R.T. 0.02 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	16.1	24.1
203	19.2	13.8	20.8

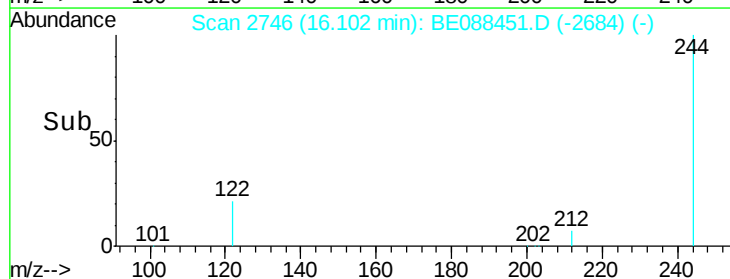
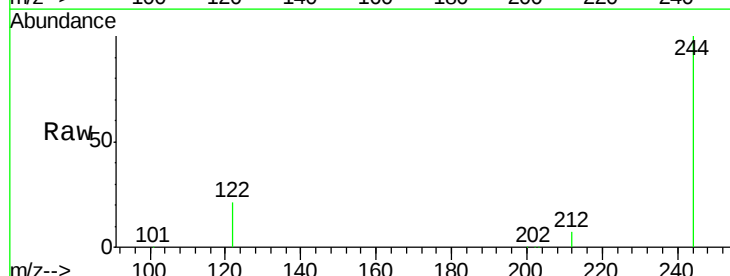
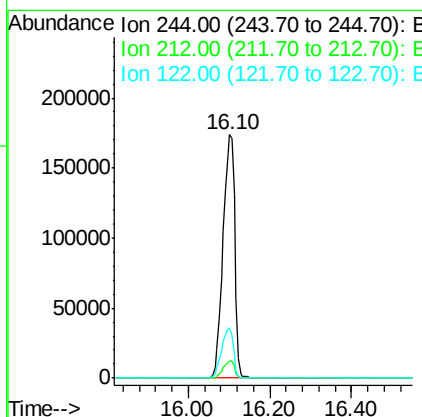
Manual Integrations
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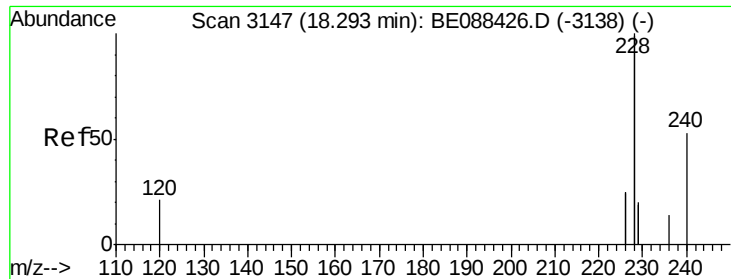
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#18
 Terphenyl-d14
 Concen: 53.77 ng
 RT: 16.10 min Scan# 2746
 Delta R.T. 0.03 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	5.5	8.3
122	20.7	15.6	23.4





#19

Benzo(a)anthracene

Concen: 1.13 ng

RT: 18.31 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BE088451.D

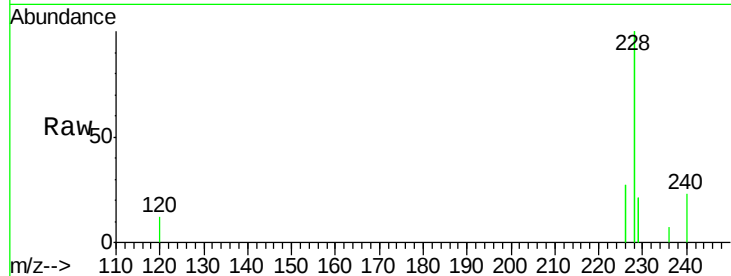
Acq: 1 Nov 2014 8:05

Instrument :

BNA_E

ClientSampleId :

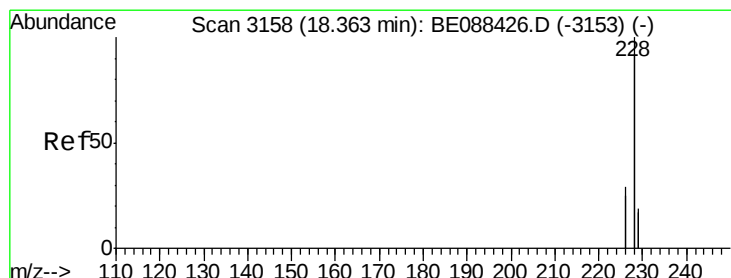
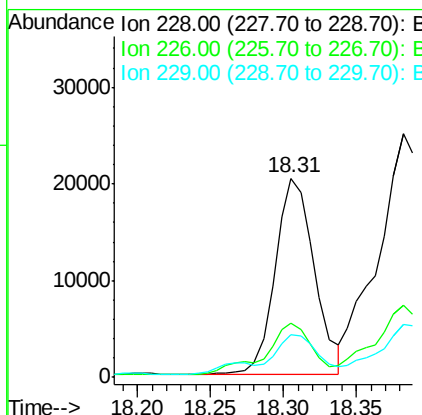
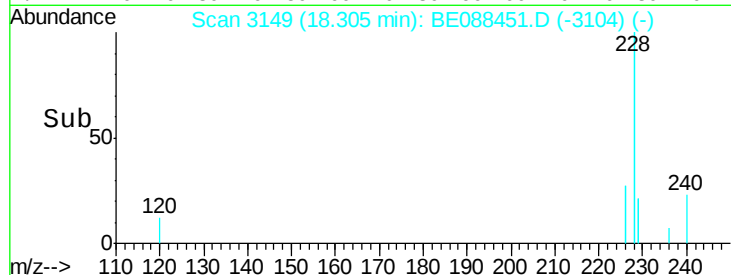
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	19.8	29.6
229	21.4	16.0	24.0

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#20

Chrysene

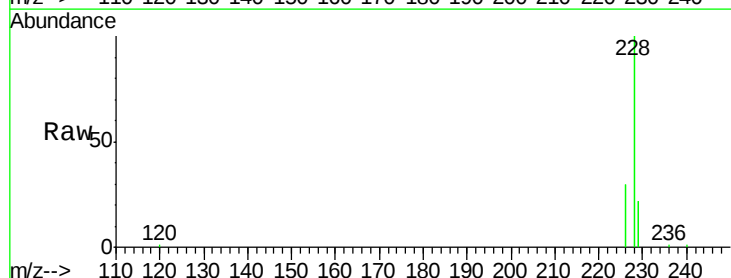
Concen: 1.67 ng

RT: 18.38 min Scan# 3161

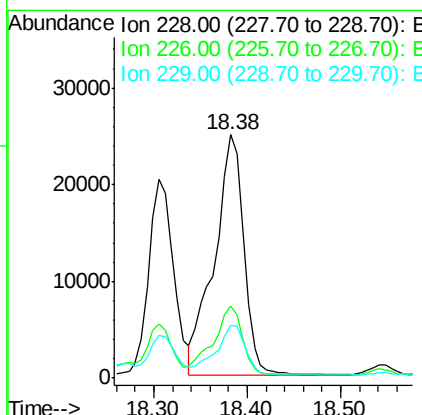
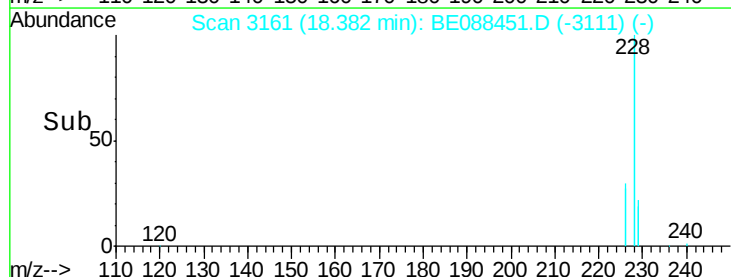
Delta R.T. 0.02 min

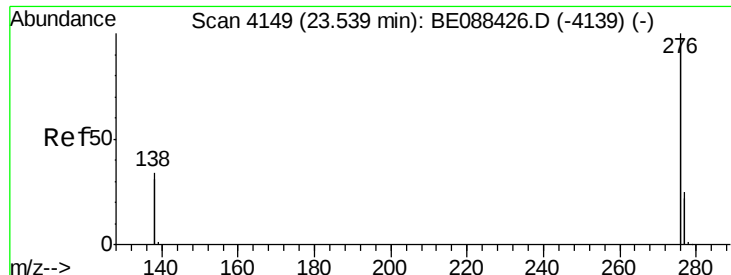
Lab File: BE088451.D

Acq: 1 Nov 2014 8:05



Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	21.6	15.4	23.2





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.86 ng m

RT: 23.57 min Scan# 4154

Delta R.T. 0.03 min

Lab File: BE088451.D

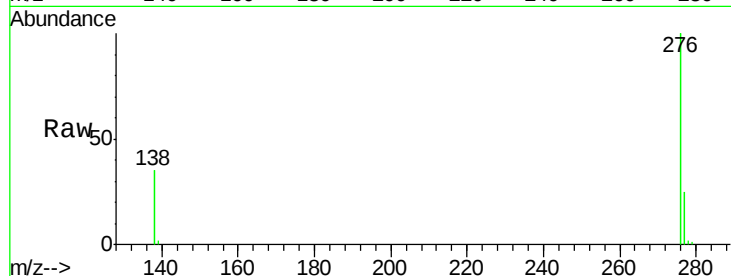
Acq: 1 Nov 2014 8:05

Instrument :

BNA_E

ClientSampleId :

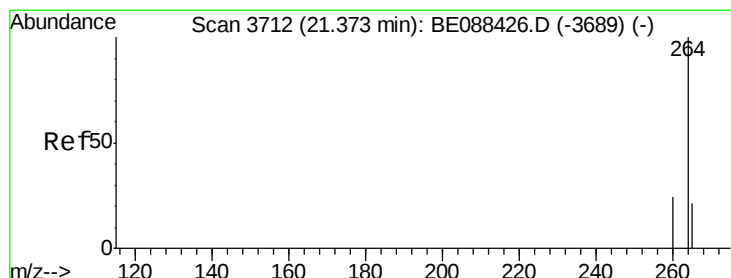
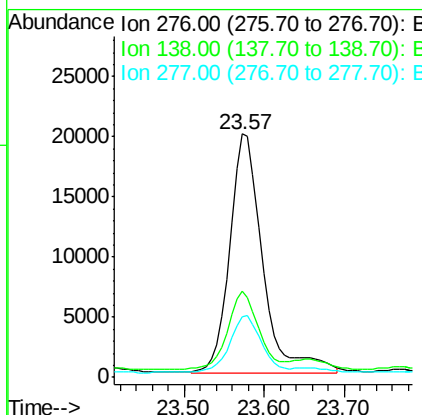
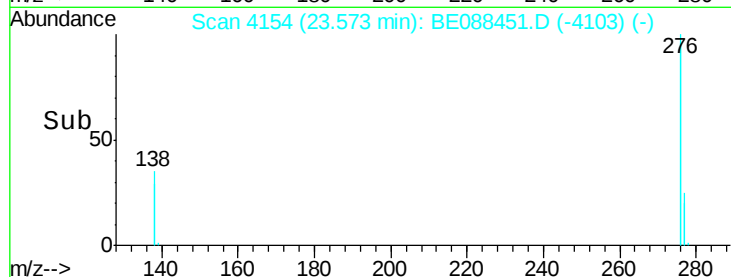
YS19-SS38-1014



Tgt Ion:	276	Resp:	56994
Ion Ratio	Lower	Upper	
276	100		
138	30.0	20.2	30.2
277	22.3	14.8	22.2#

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#22

Perylene-d12

Concen: 5.00 ng

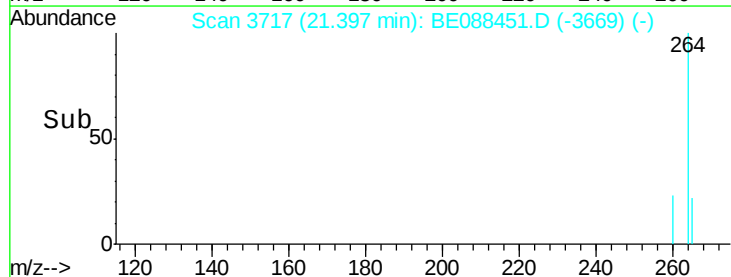
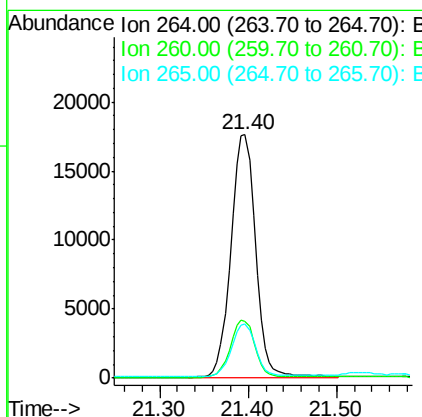
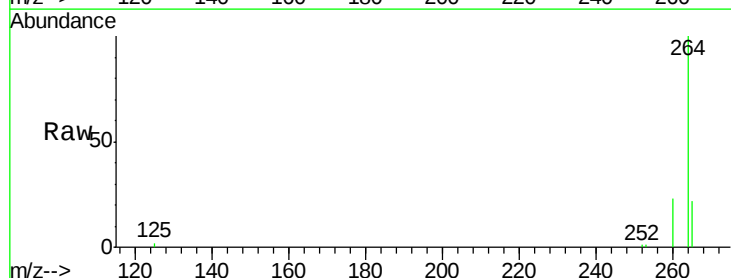
RT: 21.40 min Scan# 3717

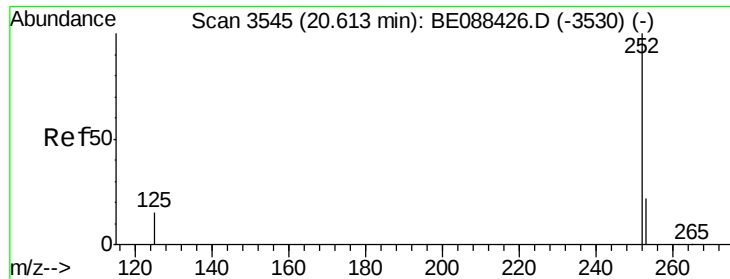
Delta R.T. 0.02 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

Tgt Ion:	264	Resp:	33888
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.9	28.3
265	22.4	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 3.44 ng

RT: 20.64 min Scan# 3550

Delta R.T. 0.02 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

Instrument :

BNA_E

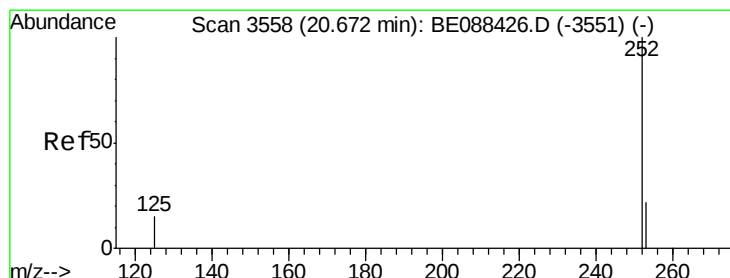
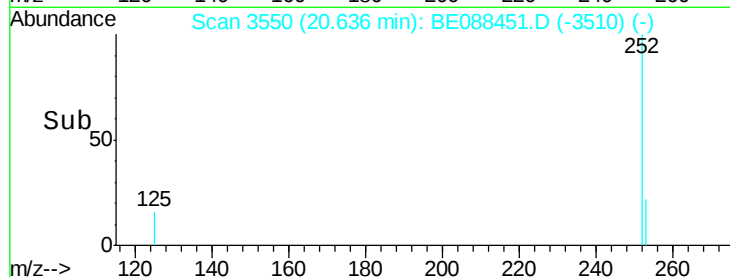
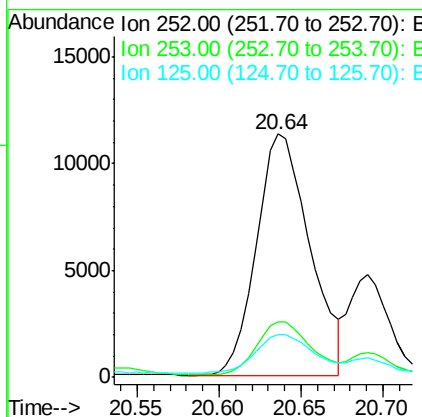
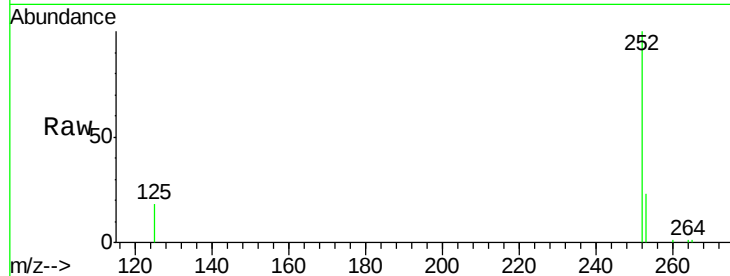
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
252	100	25560		
253	22.8	17.8	26.8	
125	17.8	12.3	18.5	



#24

Benzo(k)fluoranthene

Concen: 1.01 ng m

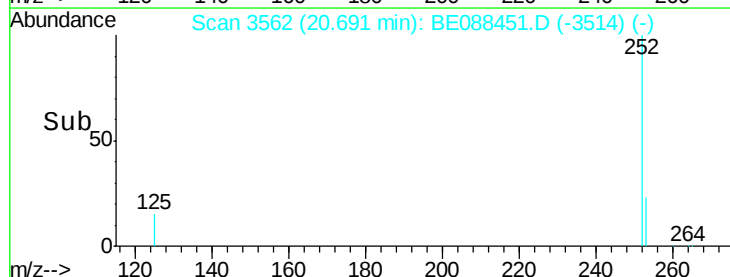
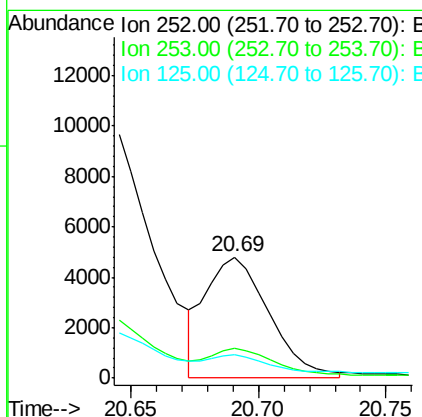
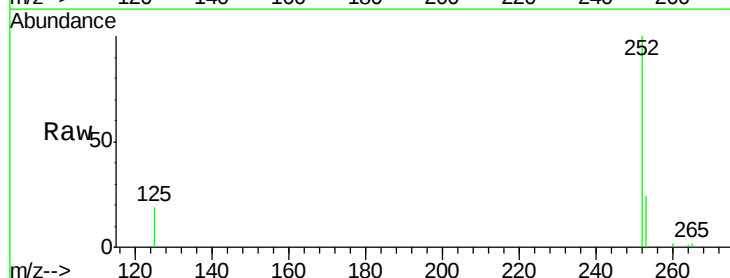
RT: 20.69 min Scan# 3562

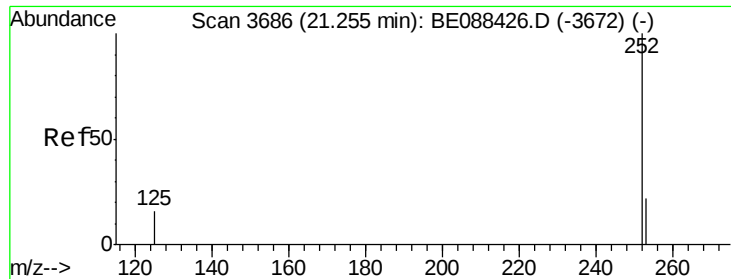
Delta R.T. 0.02 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	8304		
253	24.3	17.8	26.8	
125	19.1	12.2	18.4#	





#25

Benzo(a)pyrene

Concen: 1.92 ng

RT: 21.28 min Scan# 3691

Delta R.T. 0.02 min

Lab File: BE088451.D

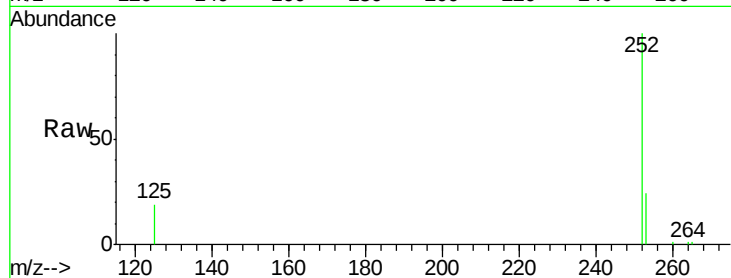
Acq: 1 Nov 2014 8:05

Instrument :

BNA_E

ClientSampleId :

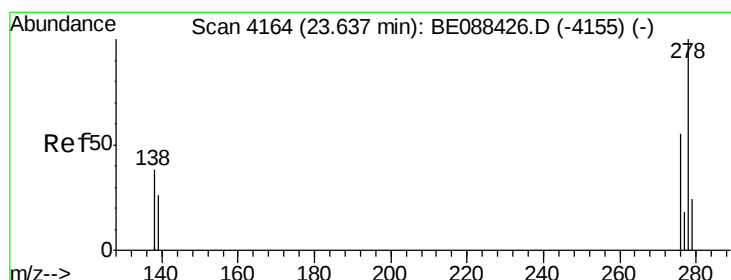
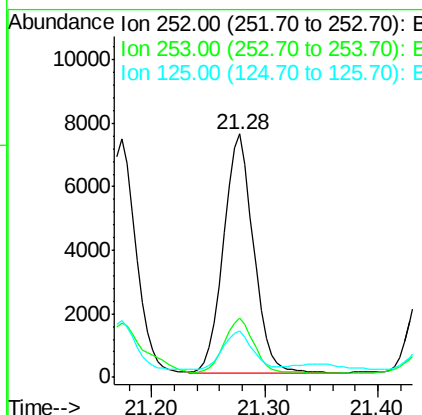
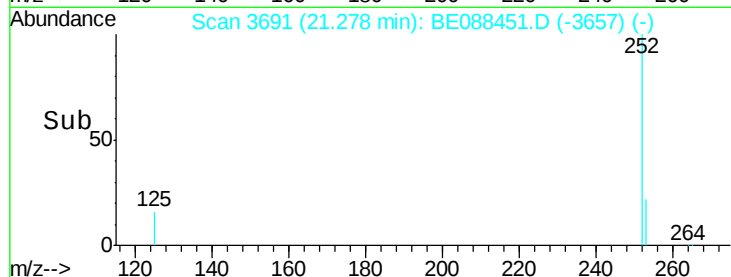
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	18.9	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 0.44 ng

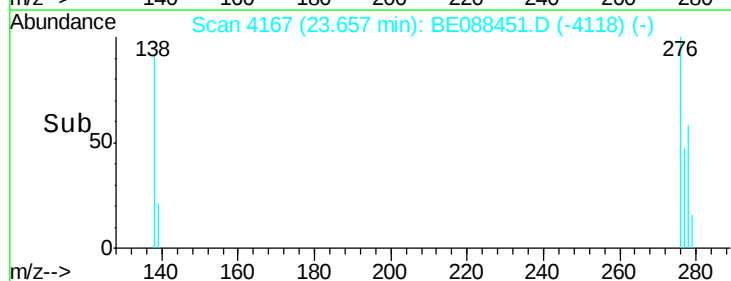
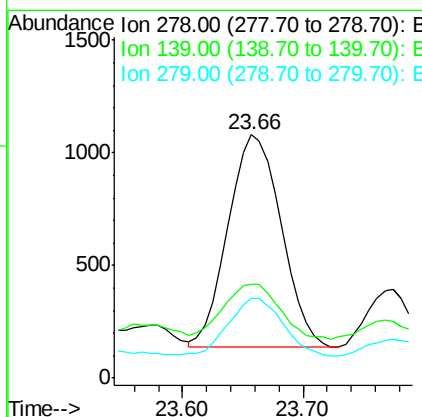
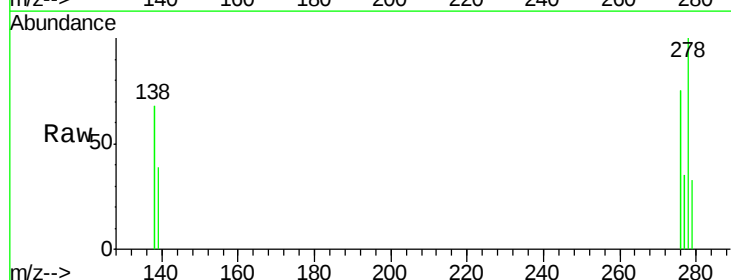
RT: 23.66 min Scan# 4167

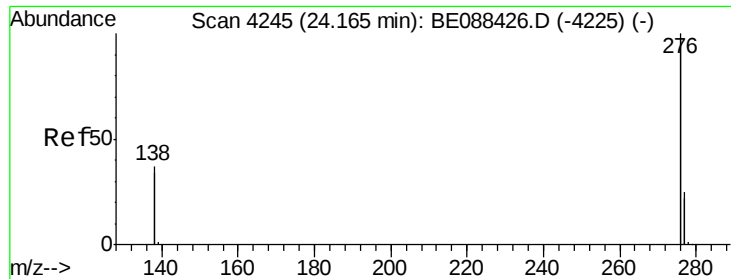
Delta R.T. 0.02 min

Lab File: BE088451.D

Acq: 1 Nov 2014 8:05

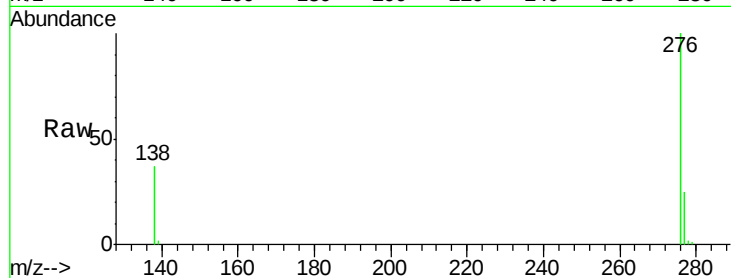
Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.7	22.1	33.1#
279	32.7	19.7	29.5#





#27
 Benzo(g,h,i)perylene
 Concen: 1.91 ng
 RT: 24.20 min Scan# 4251
 Delta R.T. 0.04 min
 Lab File: BE088451.D
 Acq: 1 Nov 2014 8:05

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38-1014



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.6
138	36.8	29.3	43.9

Manual Integrations
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