

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088466.D
 Acq On : 1 Nov 2014 23:45
 Operator : TP/JJ
 Sample : F4368-07RE
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS40-1014RE

Manual Integrations
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Quant Time: Nov 02 05:21:18 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	40082	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	147596	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	69191	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	140396	5.00	ng	0.00
16) Chrysene-d12	18.33	240	87630	5.00	ng	0.02
22) Perylene-d12	21.40	264	86126	5.00	ng	0.02
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	534757	49.40	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	597342	30.63	ng	0.00
18) Terphenyl-d14	16.10	244	471865	29.31	ng	0.03
Target Compounds						Qvalue
9) Acenaphthylene	10.62	152	8280	0.07	ng	# 90
11) Fluorene	11.49	166	361	0.02	ng	# 58
13) Phenanthrene	12.95	178	18558m	0.15	ng	
14) Anthracene	13.03	178	10457	0.10	ng	98
15) Fluoranthene	15.18	202	7936	0.38	ng	99
17) Pyrene	15.64	202	7929	0.28	ng	97
19) Benzo(a)anthracene	18.31	228	19193	0.23	ng	93
20) Chrysene	18.38	228	23806m	0.29	ng	
21) Indeno(1,2,3-cd)pyrene	23.58	276	14707	0.19	ng	# 84
23) Benzo(b)fluoranthene	20.63	252	7717	0.41	ng	# 82
24) Benzo(k)fluoranthene	20.69	252	2575	0.12	ng	# 70
25) Benzo(a)pyrene	21.27	252	4738	0.26	ng	# 80
26) Dibenzo(a,h)anthracene	23.66	278	770	0.05	ng	# 1
27) Benzo(g,h,i)perylene	24.20	276	14457	0.19	ng	# 75

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

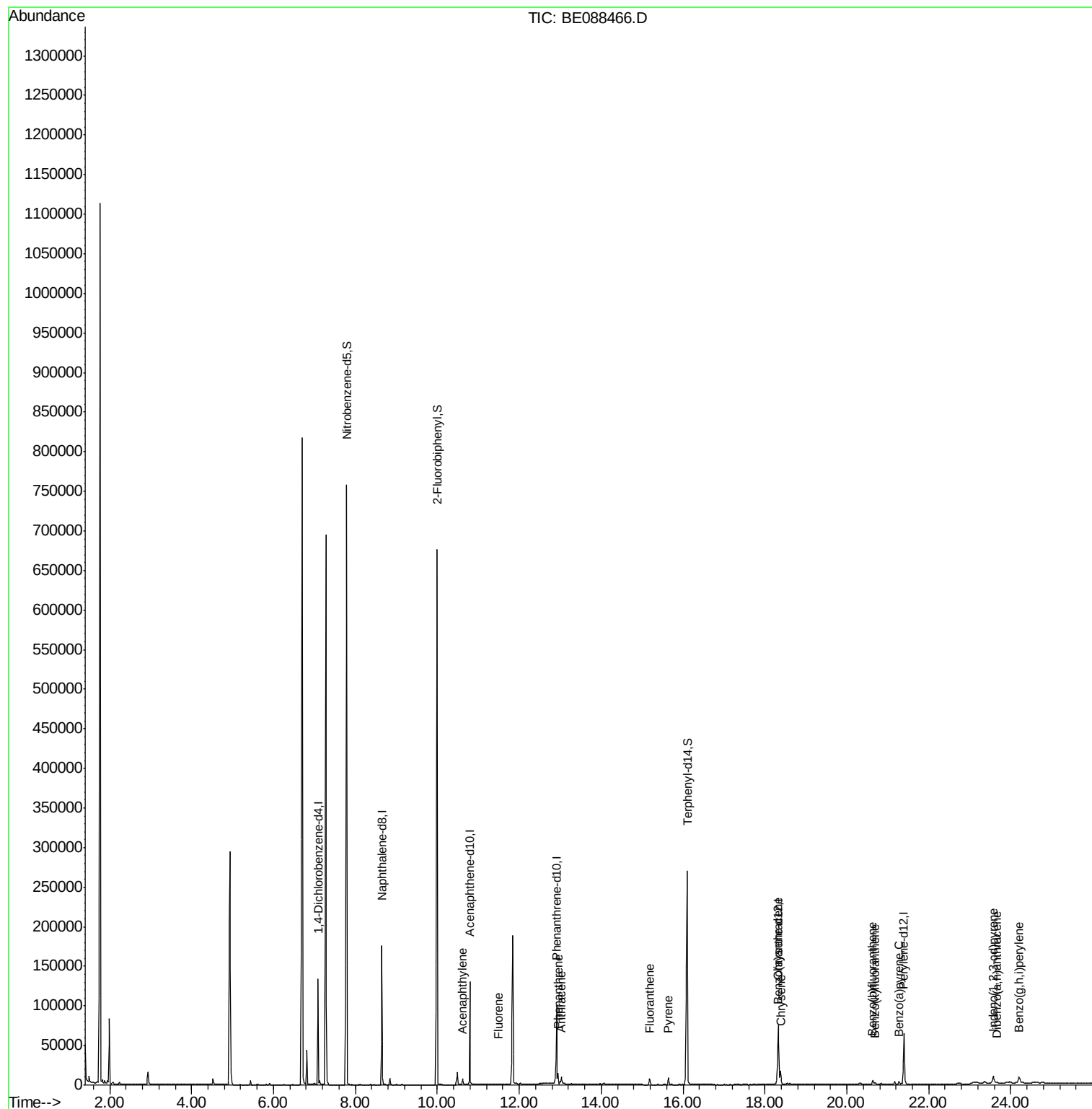
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088466.D
Acq On : 1 Nov 2014 23:45
Operator : TP/JJ
Sample : F4368-07RE
Misc :
ALS Vial : 41 Sample Multiplier: 1

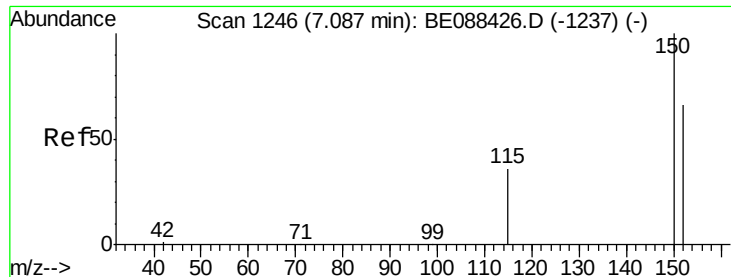
Instrument :
BNA_E
ClientSampleId :
YS19-SS40-1014RE

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Quant Time: Nov 02 05:21:18 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
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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: BE088466.D

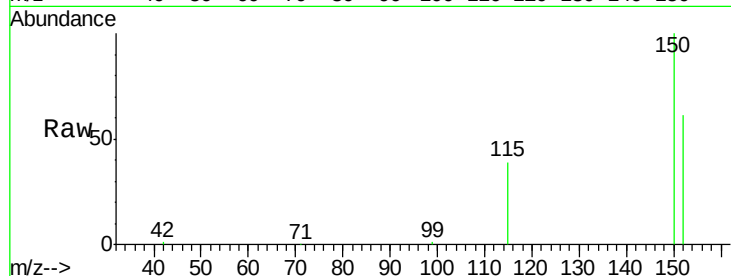
Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE



Tgt Ion:152 Resp: 40082

Ion Ratio Lower Upper

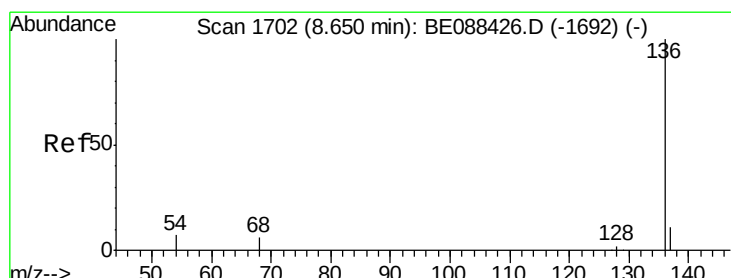
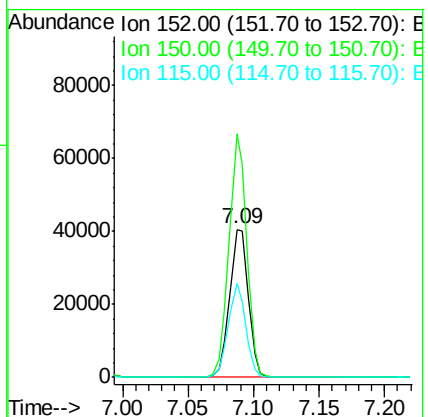
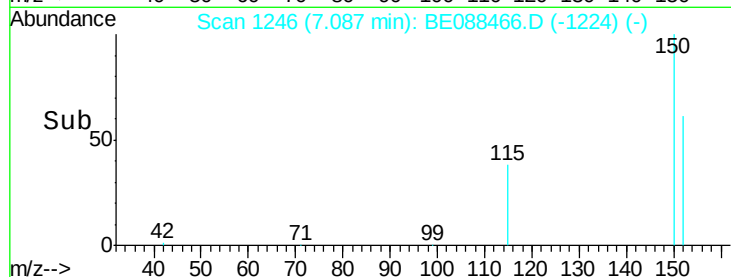
152 100

150 164.4 121.8 182.8

115 63.3 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

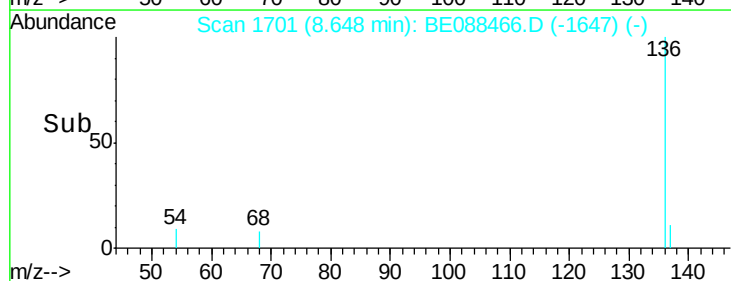
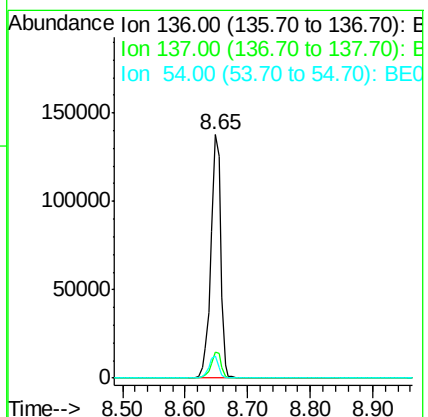
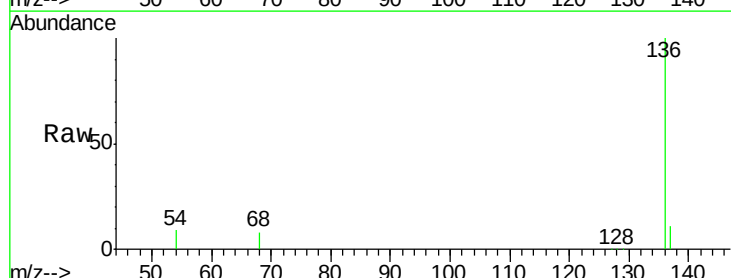
Tgt Ion:136 Resp: 147596

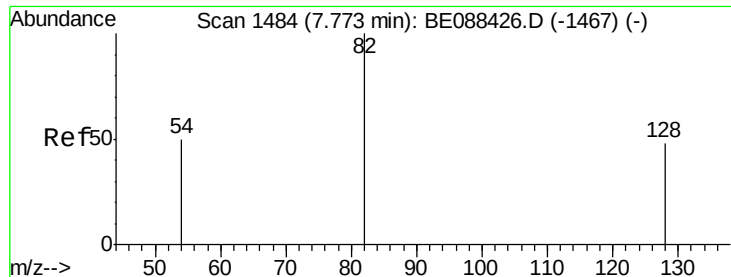
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.1 5.3 7.9#





#4

Nitrobenzene-d5

Concen: 49.40 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088466.D

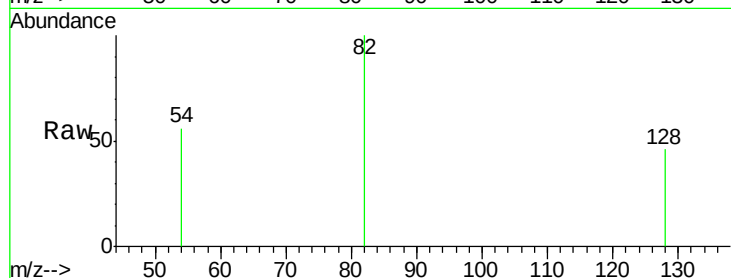
Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE



Tgt Ion: 82 Resp: 534757

Ion Ratio Lower Upper

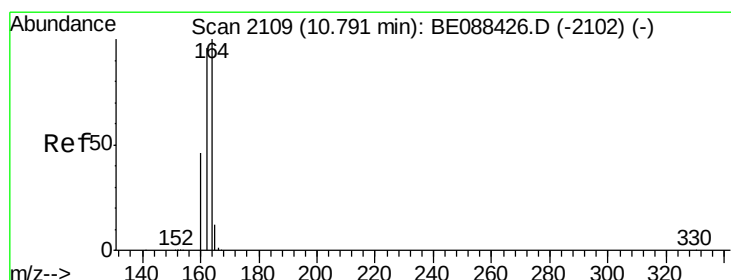
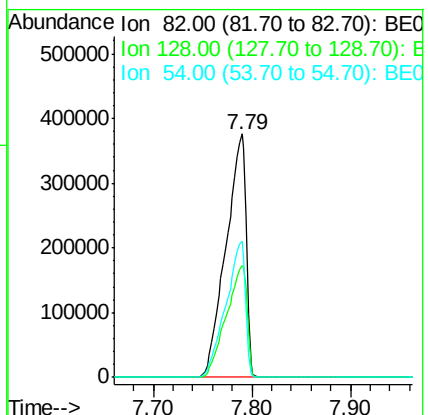
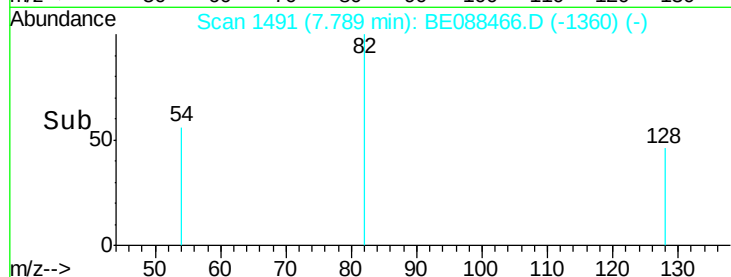
82 100

128 45.8 38.4 57.6

54 55.8 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

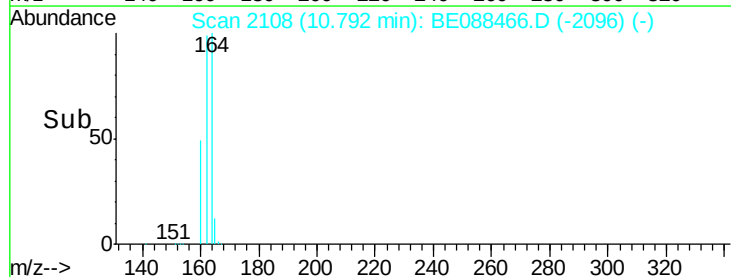
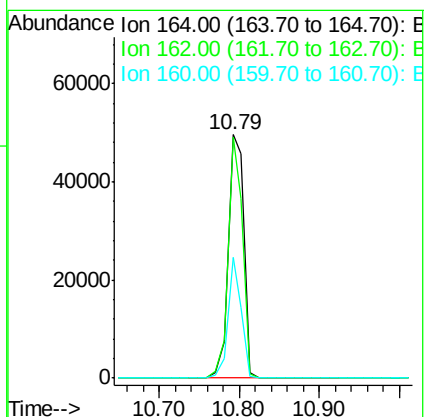
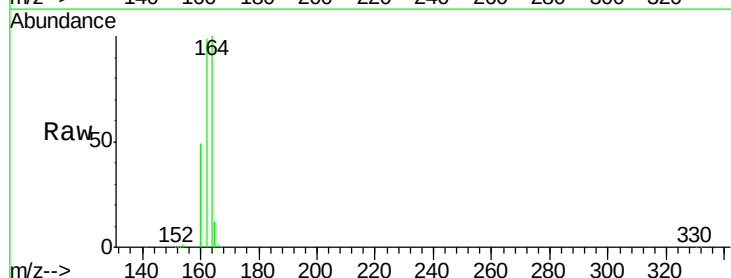
Tgt Ion: 164 Resp: 69191

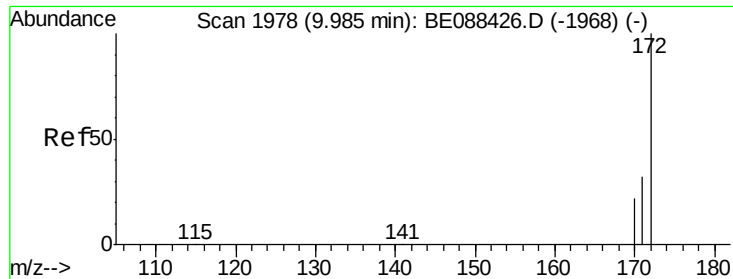
Ion Ratio Lower Upper

164 100

162 99.2 77.0 115.4

160 49.4 36.8 55.2





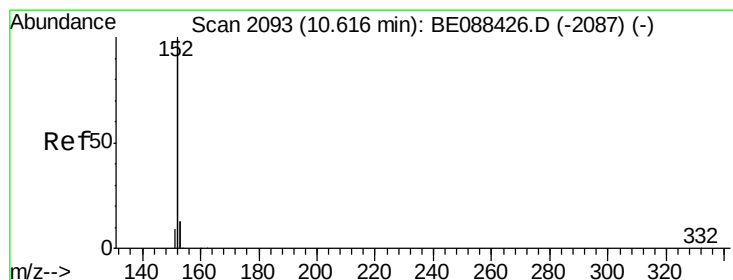
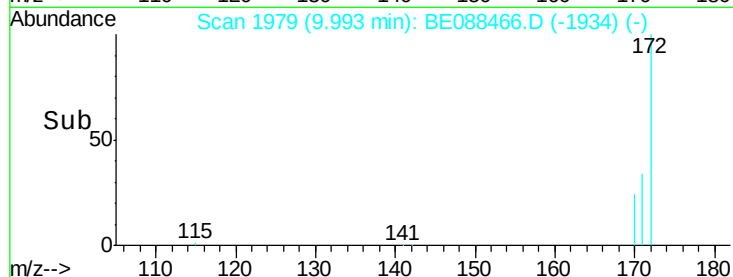
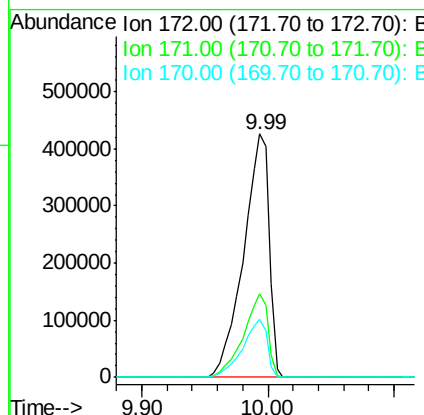
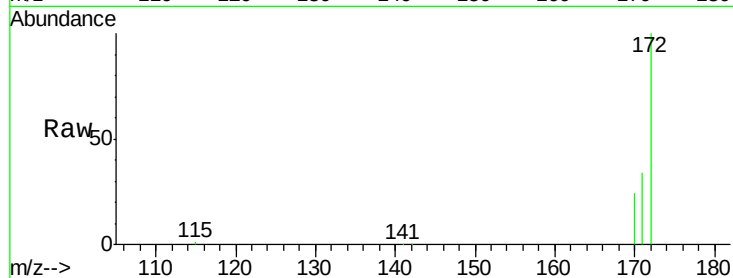
#8
2-Fluorobiphenyl
Concen: 30.63 ng
RT: 9.99 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BE088466.D
Acq: 1 Nov 2014 23:45

Instrument :
BNA_E
ClientSampleId :
YS19-SS40-1014RE

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	597342		
171	34.2	26.0	39.0	
170	23.9	17.6	26.4	

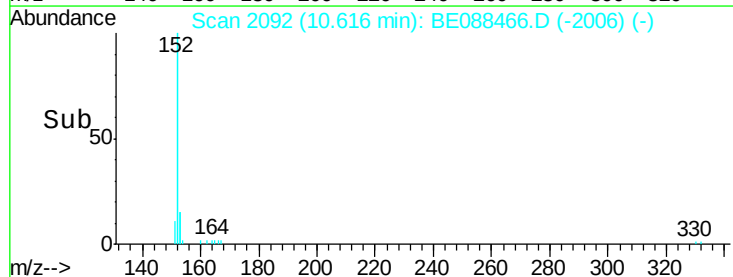
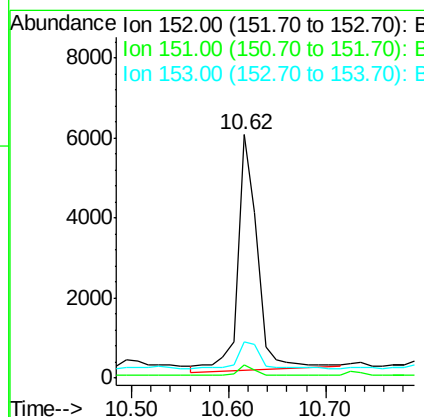
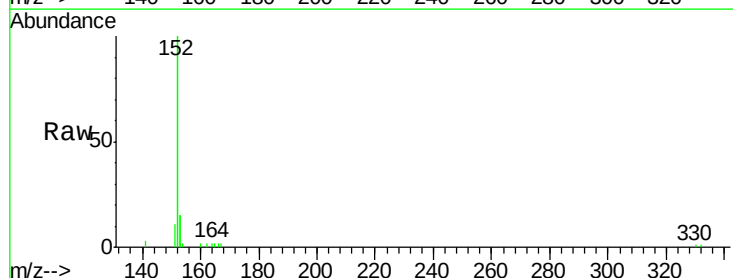
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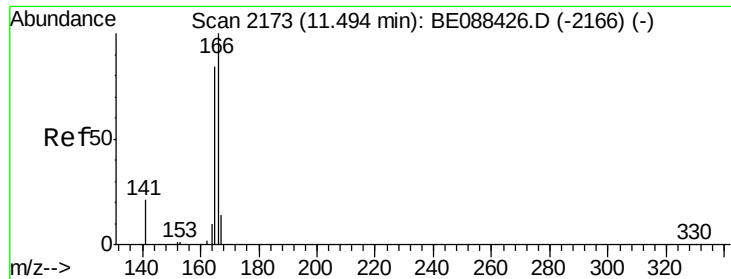
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#9
Acenaphthylene
Concen: 0.07 ng
RT: 10.62 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE088466.D
Acq: 1 Nov 2014 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	8280		
151	4.1	4.4	6.6#	
153	18.0	10.5	15.7#	





#11

Fluorene

Concen: 0.02 ng

RT: 11.49 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

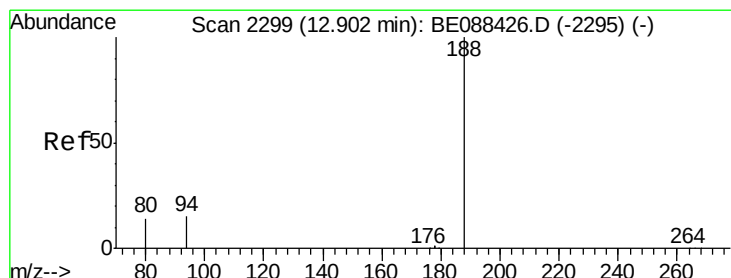
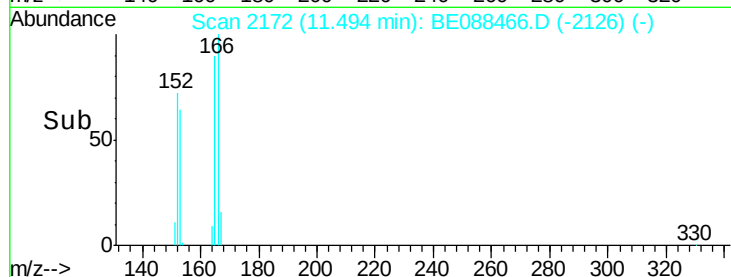
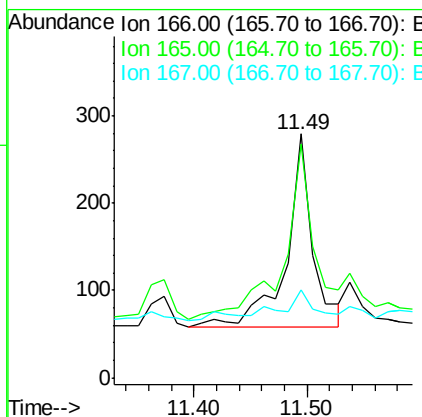
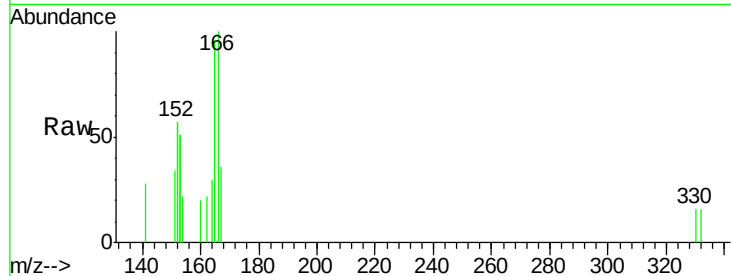
ClientSampleId :

YS19-SS40-1014RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	130.2	71.3	106.9#
167	0.0	10.7	16.1#

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#12

Phenanthrene-d10

Concen: 5.00 ng

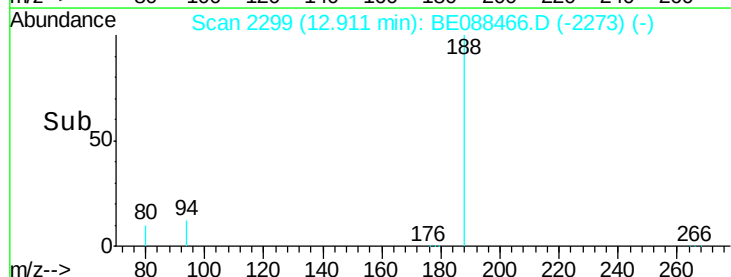
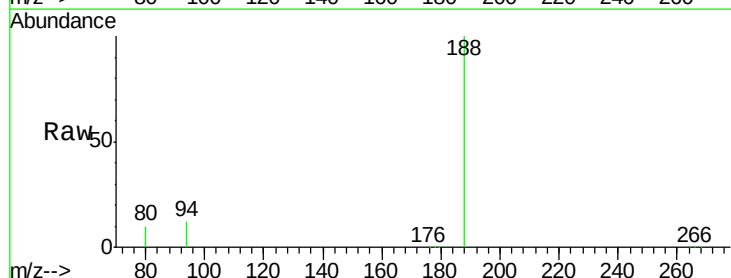
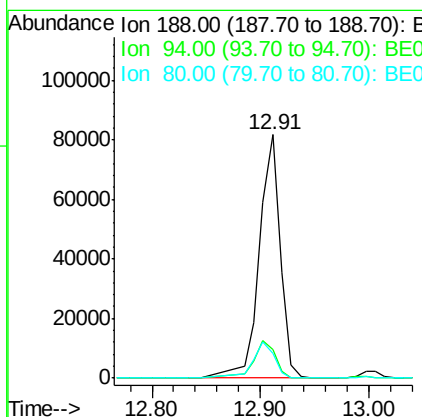
RT: 12.91 min Scan# 2299

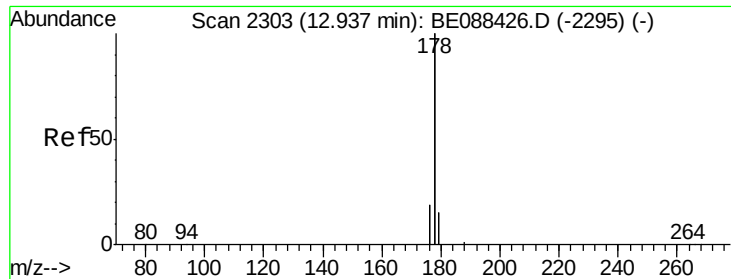
Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	11.8	17.8#
80	10.3	10.9	16.3#





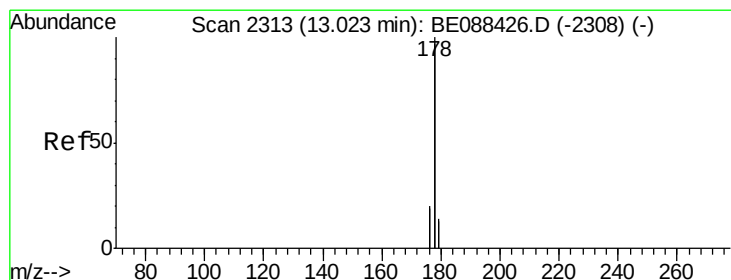
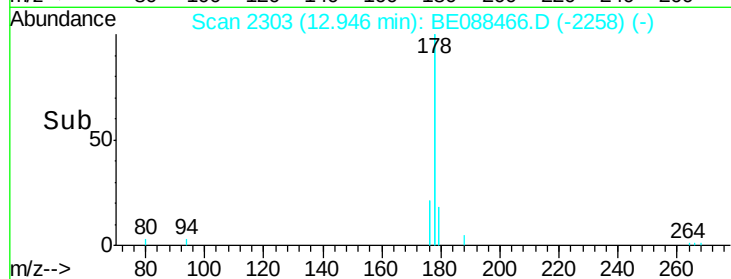
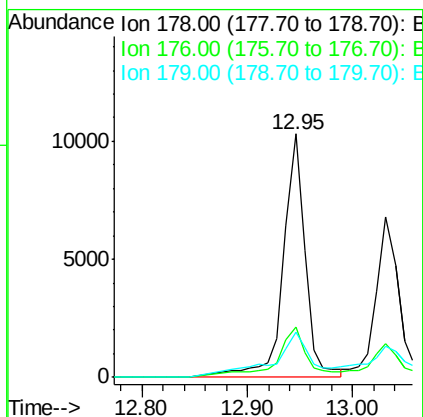
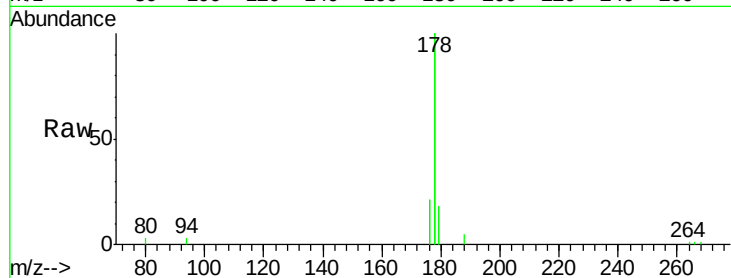
#13
Phenanthrene
Concen: 0.15 ng m
RT: 12.95 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BE088466.D
Acq: 1 Nov 2014 23:45

Instrument :
BNA_E
ClientSampleId :
YS19-SS40-1014RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	10.4	15.4	23.2#
179	9.5	12.8	19.2#

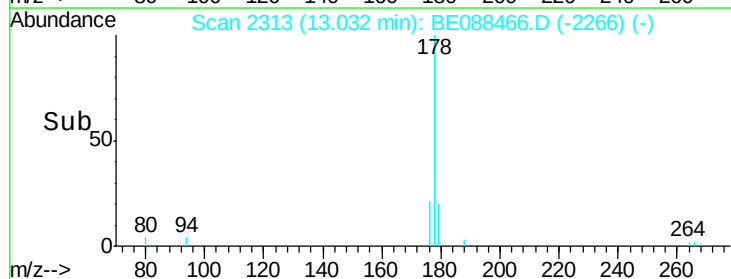
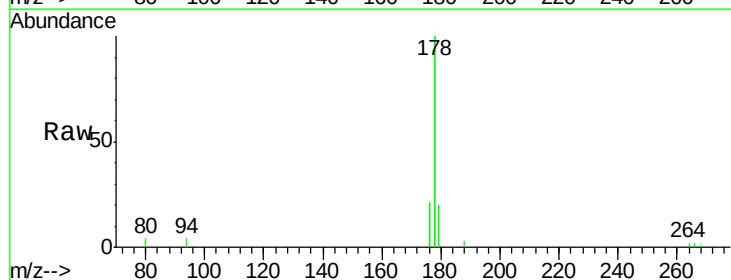
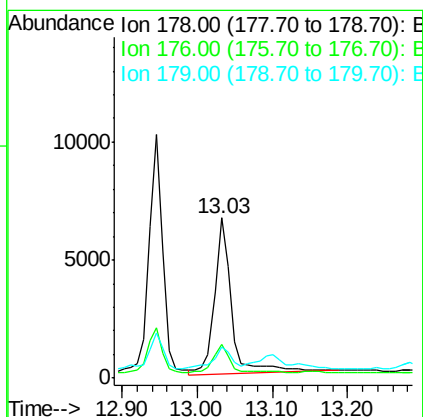
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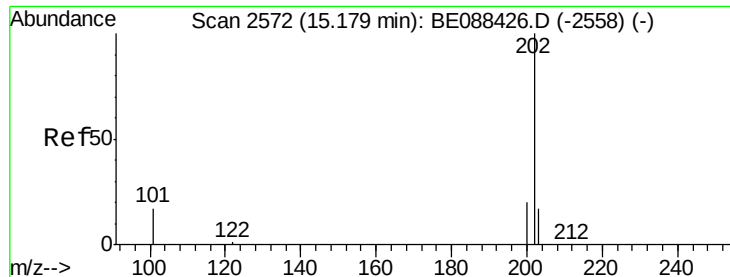
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#14
Anthracene
Concen: 0.10 ng
RT: 13.03 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BE088466.D
Acq: 1 Nov 2014 23:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.9	12.5	18.7





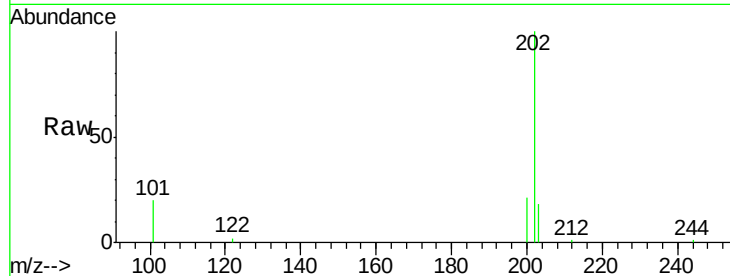
#15
 Fluoranthene
 Concen: 0.38 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: BE088466.D
 Acq: 1 Nov 2014 23:45

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS40-1014RE

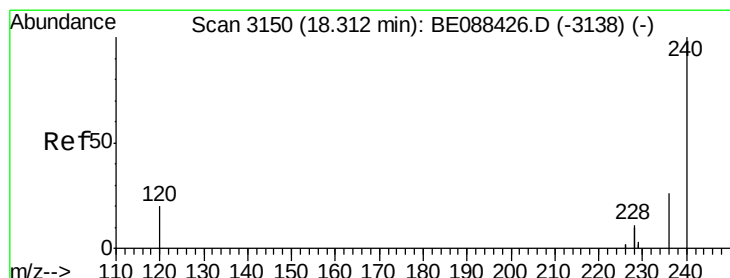
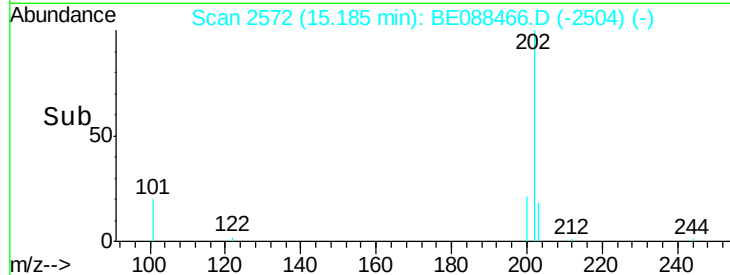
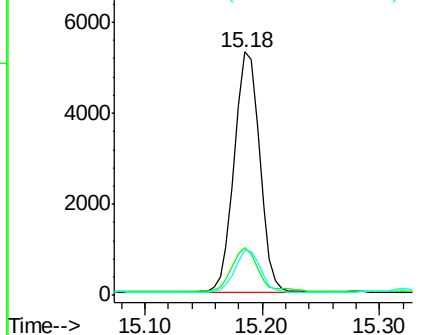
Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.6	14.3	21.5
203	17.2	13.6	20.4

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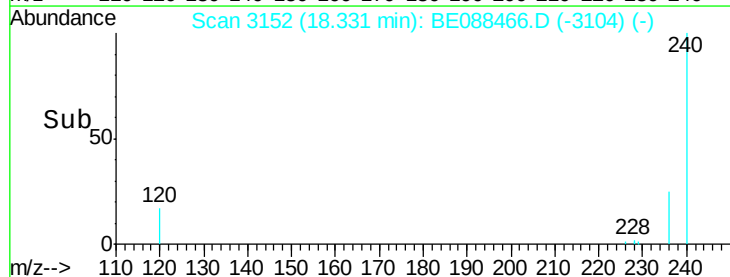
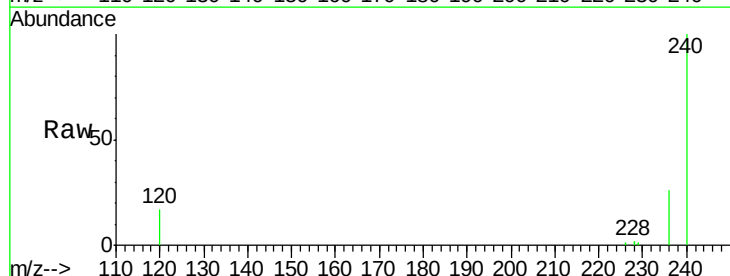
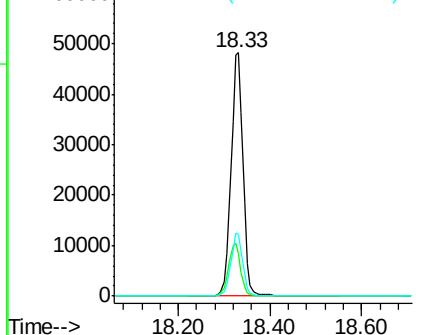
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

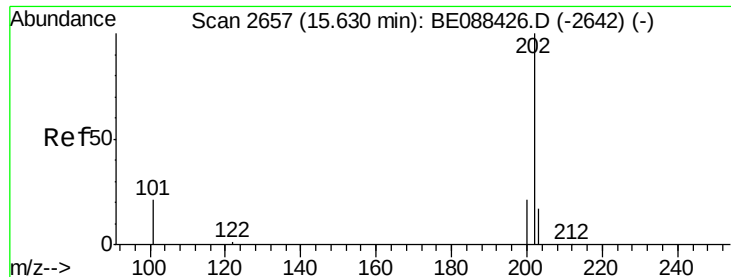


#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.33 min Scan# 3152
 Delta R.T. 0.02 min
 Lab File: BE088466.D
 Acq: 1 Nov 2014 23:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.4	16.4	24.6
236	25.6	20.5	30.7

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





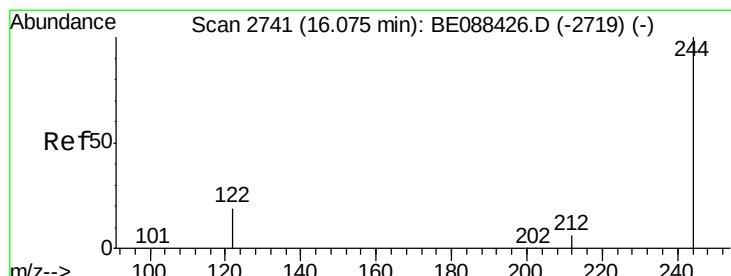
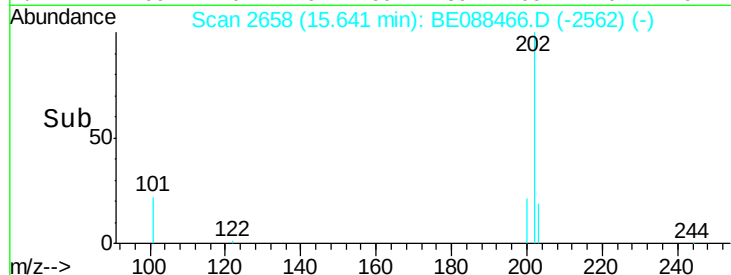
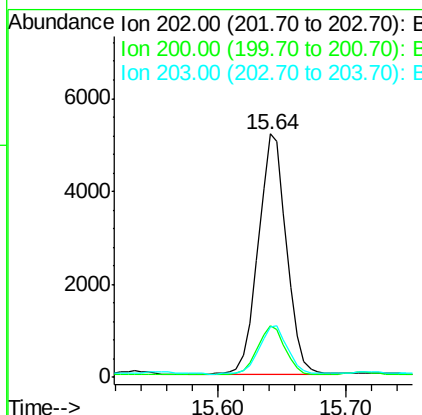
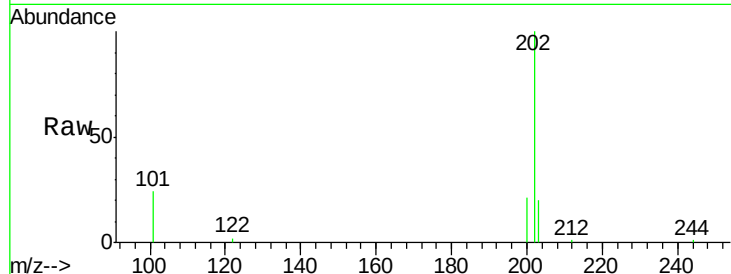
#17
 Pyrene
 Concen: 0.28 ng
 RT: 15.64 min Scan# 2658
 Delta R.T. 0.01 min
 Lab File: BE088466.D
 Acq: 1 Nov 2014 23:45

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS40-1014RE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	7929		
200	20.2	16.1	24.1	
203	19.7	13.8	20.8	

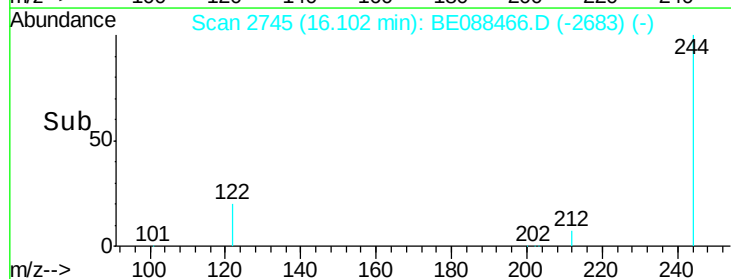
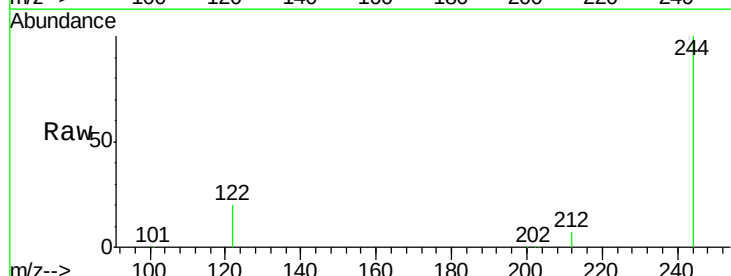
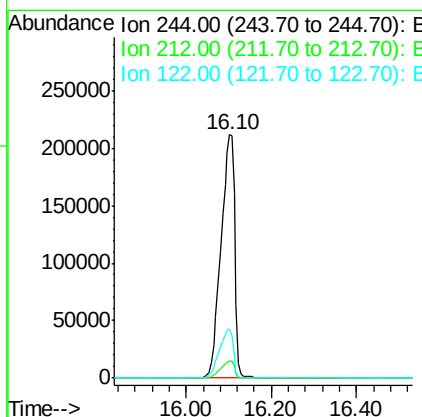
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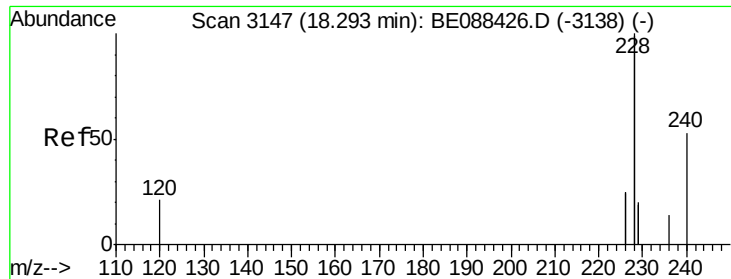
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#18
 Terphenyl-d14
 Concen: 29.31 ng
 RT: 16.10 min Scan# 2745
 Delta R.T. 0.03 min
 Lab File: BE088466.D
 Acq: 1 Nov 2014 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	471865		
212	7.1	5.5	8.3	
122	20.2	15.6	23.4	





#19

Benzo(a)anthracene

Concen: 0.23 ng

RT: 18.31 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BE088466.D

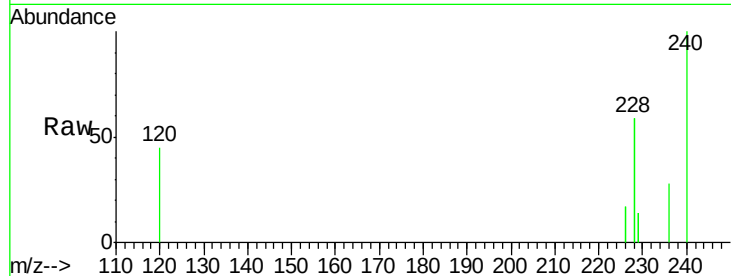
Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

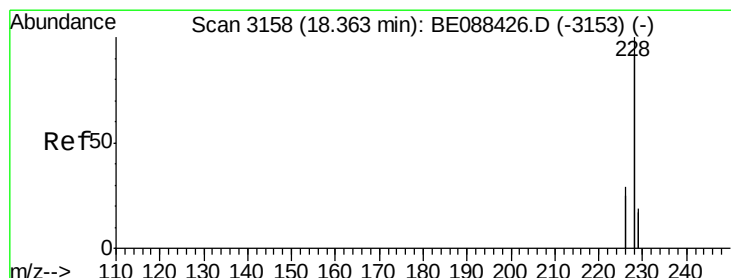
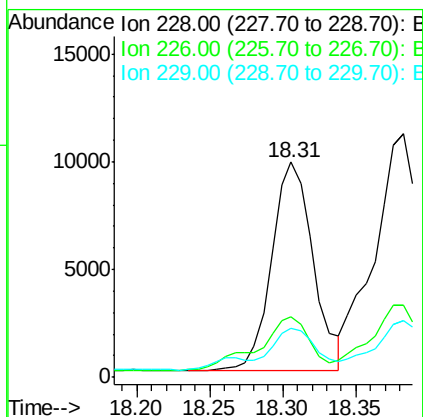
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	19.8	29.6
229	23.1	16.0	24.0

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#20

Chrysene

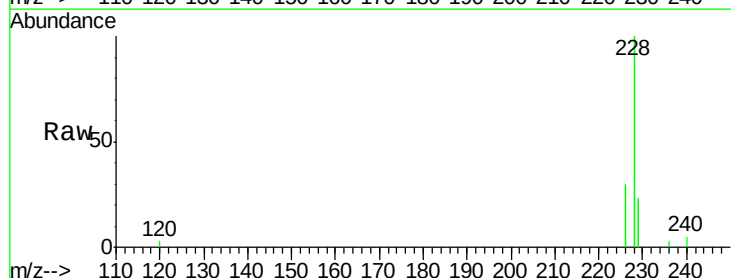
Concen: 0.29 ng m

RT: 18.38 min Scan# 3160

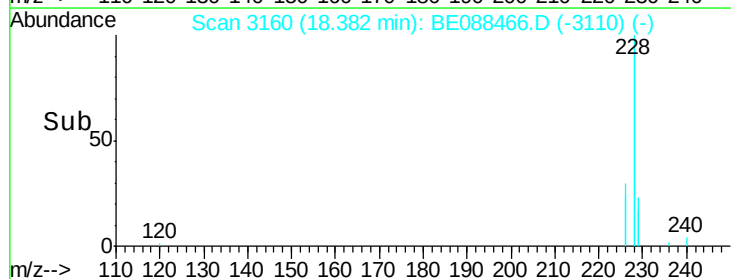
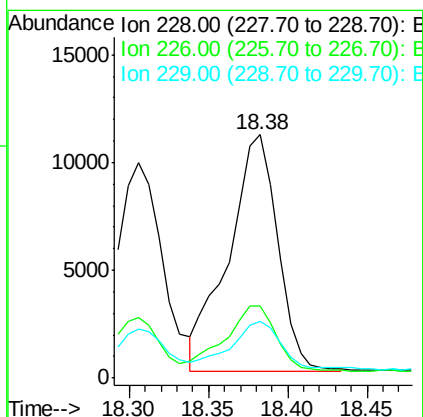
Delta R.T. 0.02 min

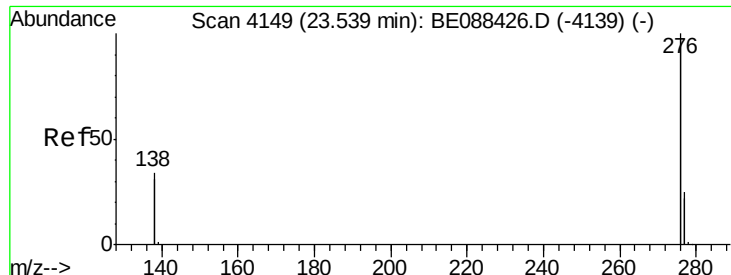
Lab File: BE088466.D

Acq: 1 Nov 2014 23:45



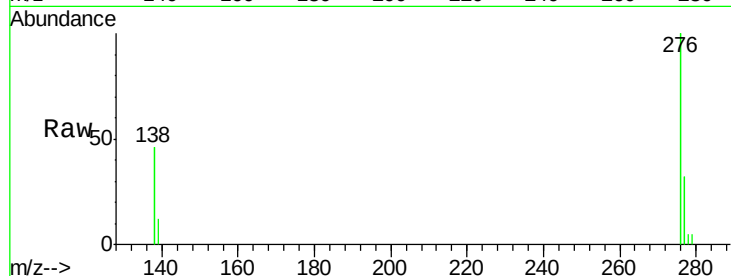
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	23.3	15.4	23.2#





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 23.58 min Scan# 4154
Delta R.T. 0.04 min
Lab File: BE088466.D
Acq: 1 Nov 2014 23:45

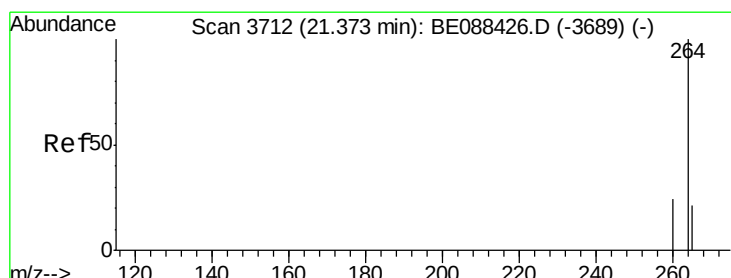
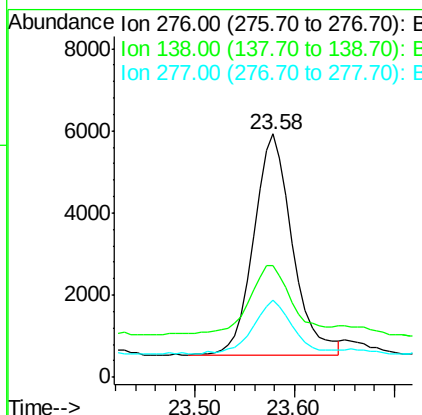
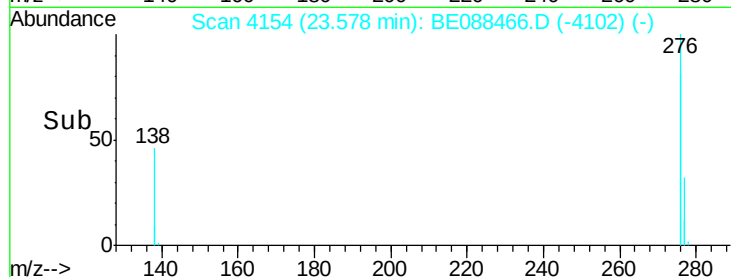
Instrument :
BNA_E
ClientSampleId :
YS19-SS40-1014RE



Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.6	20.2	30.2#
277	24.2	14.8	22.2#

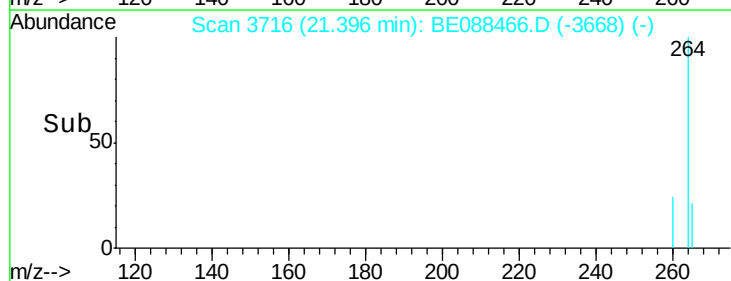
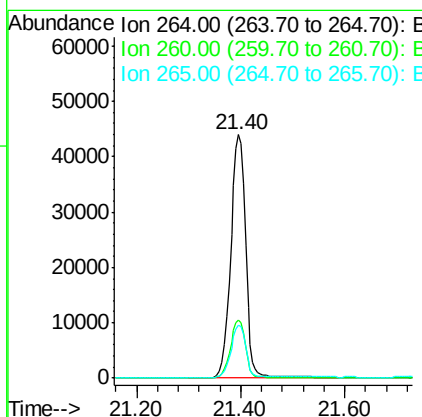
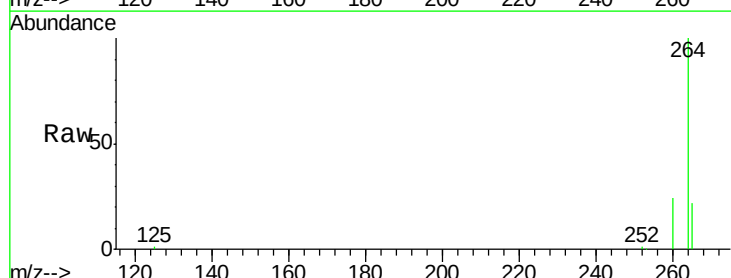
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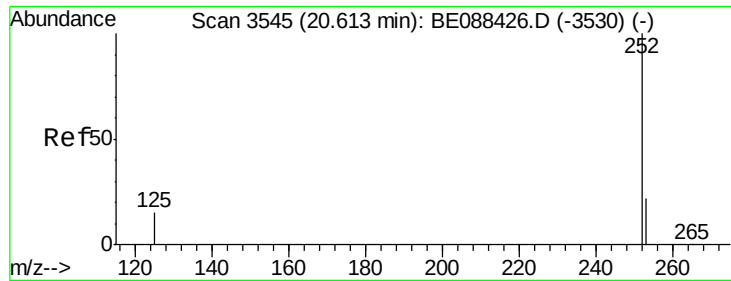
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3716
Delta R.T. 0.02 min
Lab File: BE088466.D
Acq: 1 Nov 2014 23:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 20.63 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BE088466.D

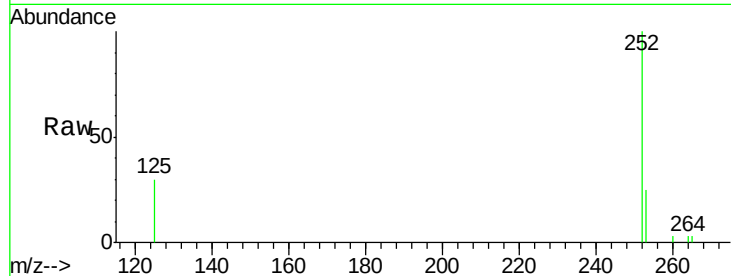
Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

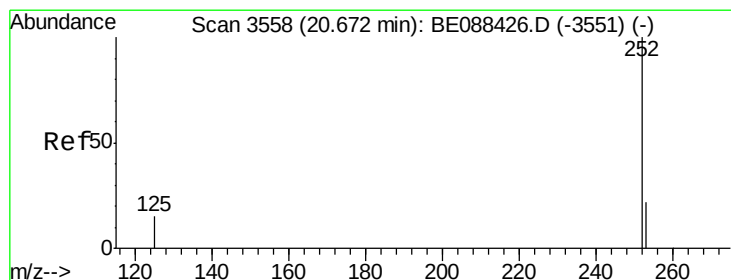
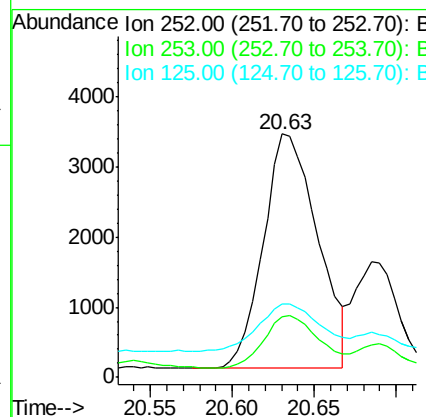
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	30.2	12.3	18.5#

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#24

Benzo(k)fluoranthene

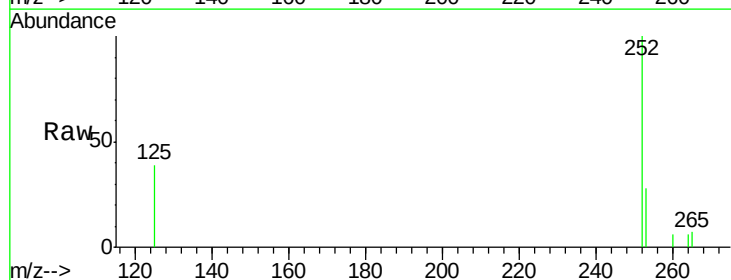
Concen: 0.12 ng

RT: 20.69 min Scan# 3560

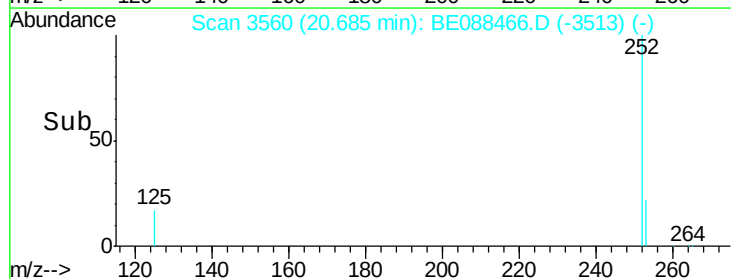
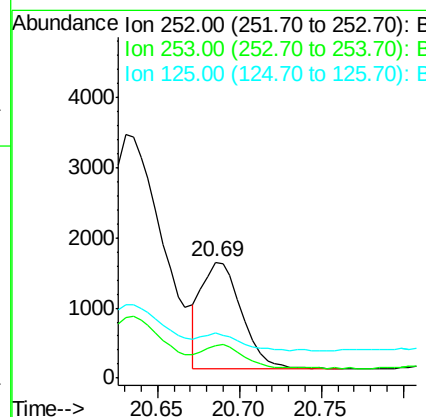
Delta R.T. 0.01 min

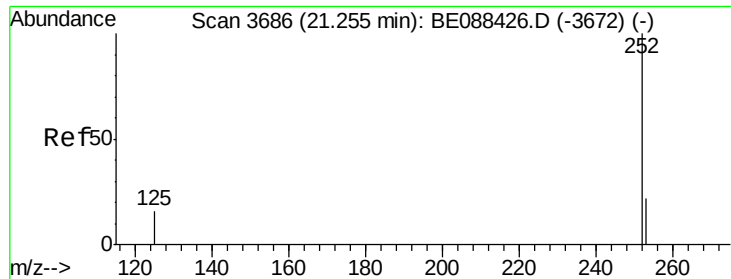
Lab File: BE088466.D

Acq: 1 Nov 2014 23:45



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.8	26.8#
125	38.5	12.2	18.4#





#25

Benzo(a)pyrene

Concen: 0.26 ng

RT: 21.27 min Scan# 3689

Delta R.T. 0.02 min

Lab File: BE088466.D

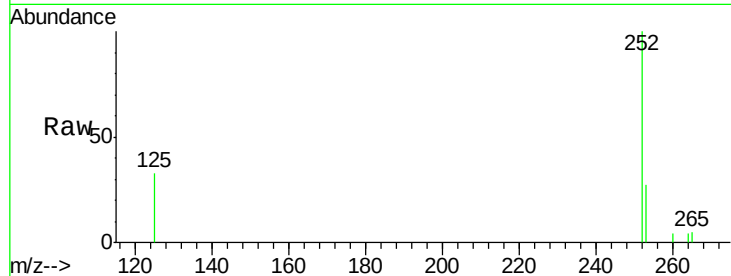
Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

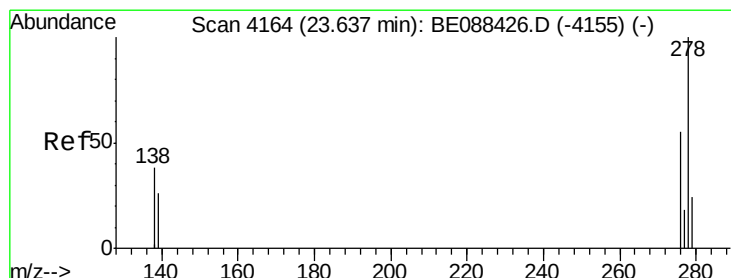
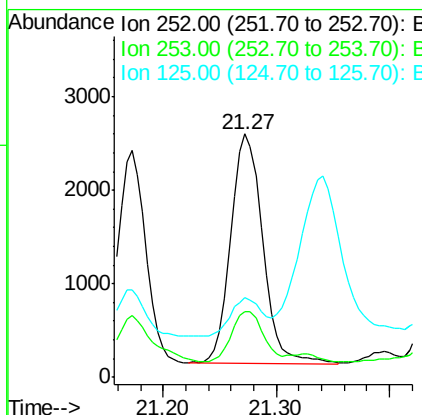
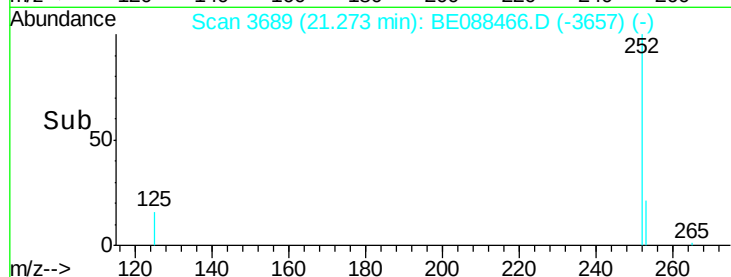
YS19-SS40-1014RE



Tgt Ion:	252	Resp:	4738
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.2	27.4
125	32.7	13.7	20.5#

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#26

Dibenzo(a,h)anthracene

Concen: 0.05 ng

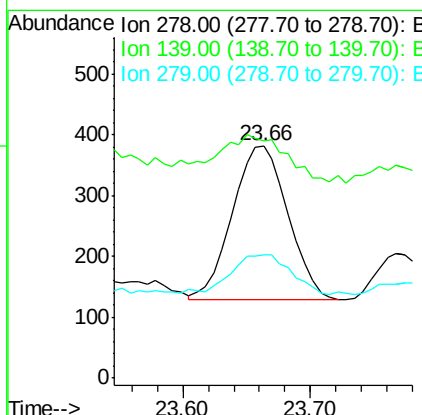
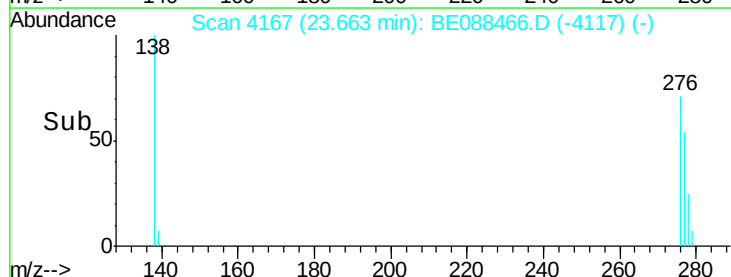
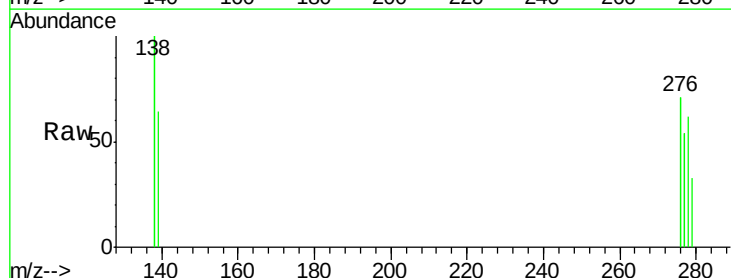
RT: 23.66 min Scan# 4167

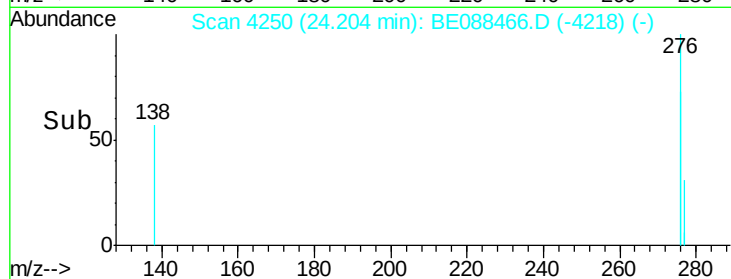
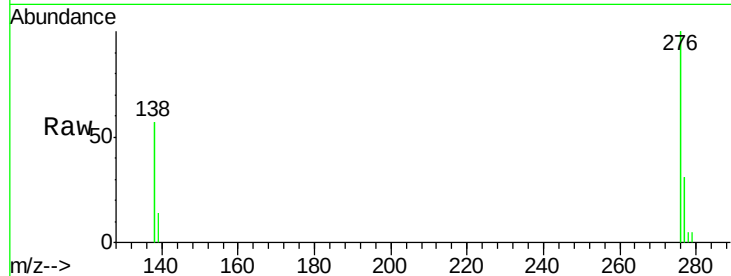
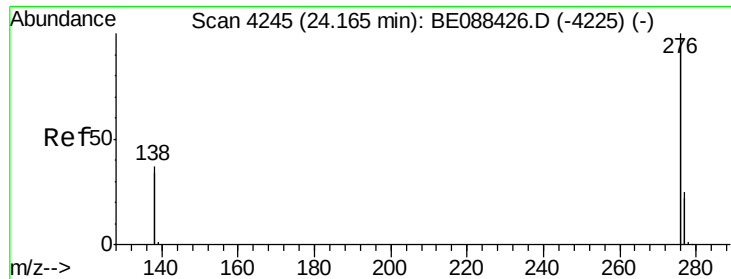
Delta R.T. 0.03 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Tgt Ion:	278	Resp:	770
Ion Ratio	Lower	Upper	
278	100		
139	102.1	22.1	33.1#
279	52.7	19.7	29.5#





#27

Benzo(g,h,i)perylene

Concen: 0.19 ng

RT: 24.20 min Scan# 4250

Delta R.T. 0.04 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Tgt Ion:	276	Resp:	14457
Ion Ratio	Lower	Upper	
276	100		
277	30.7	19.8	29.6#
138	56.7	29.3	43.9#

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

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