

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088438.D
 Acq On : 1 Nov 2014 00:52
 Operator : TP/JJ
 Sample : F4368-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB41-1014

Manual Integrations
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mohammad
 11/4/2014 9:06:30 AM

Quant Time: Nov 01 04:34:31 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	47576	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	180818	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	75177	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	127629	5.00	ng	0.00
16) Chrysene-d12	18.31	240	68053	5.00	ng	0.00
22) Perylene-d12	21.37	264	62612	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	171488	12.93	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	232635	10.98	ng	0.00
18) Terphenyl-d14	16.08	244	119361	9.55	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.67	128	5824	0.16	ng	98
6) 2-Methylnaphthalene	9.52	142	1700	0.07	ng	99
9) Acenaphthylene	10.62	152	6646	0.05	ng	# 77
10) Acenaphthene	10.84	154	7548	0.42	ng	97
11) Fluorene	11.49	166	7143	0.37	ng	99
13) Phenanthrene	12.96	178	659370	5.69	ng	99
14) Anthracene	13.03	178	76624m	0.82	ng	
15) Fluoranthene	15.18	202	135871	7.22	ng	100
17) Pyrene	15.64	202	105676	4.76	ng	96
19) Benzo(a)anthracene	18.29	228	178826	2.79	ng	99
20) Chrysene	18.36	228	198033	3.15	ng	98
21) Indeno(1,2,3-cd)pyrene	23.54	276	88279	1.51	ng	# 87
23) Benzo(b)fluoranthene	20.62	252	50787	3.70	ng	98
24) Benzo(k)fluoranthene	20.67	252	20231	1.34	ng	98
25) Benzo(a)pyrene	21.26	252	33360	2.53	ng	99
26) Dibenzo(a,h)anthracene	23.63	278	4620	0.38	ng	# 92
27) Benzo(g,h,i)perylene	24.17	276	78545	1.40	ng	99

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

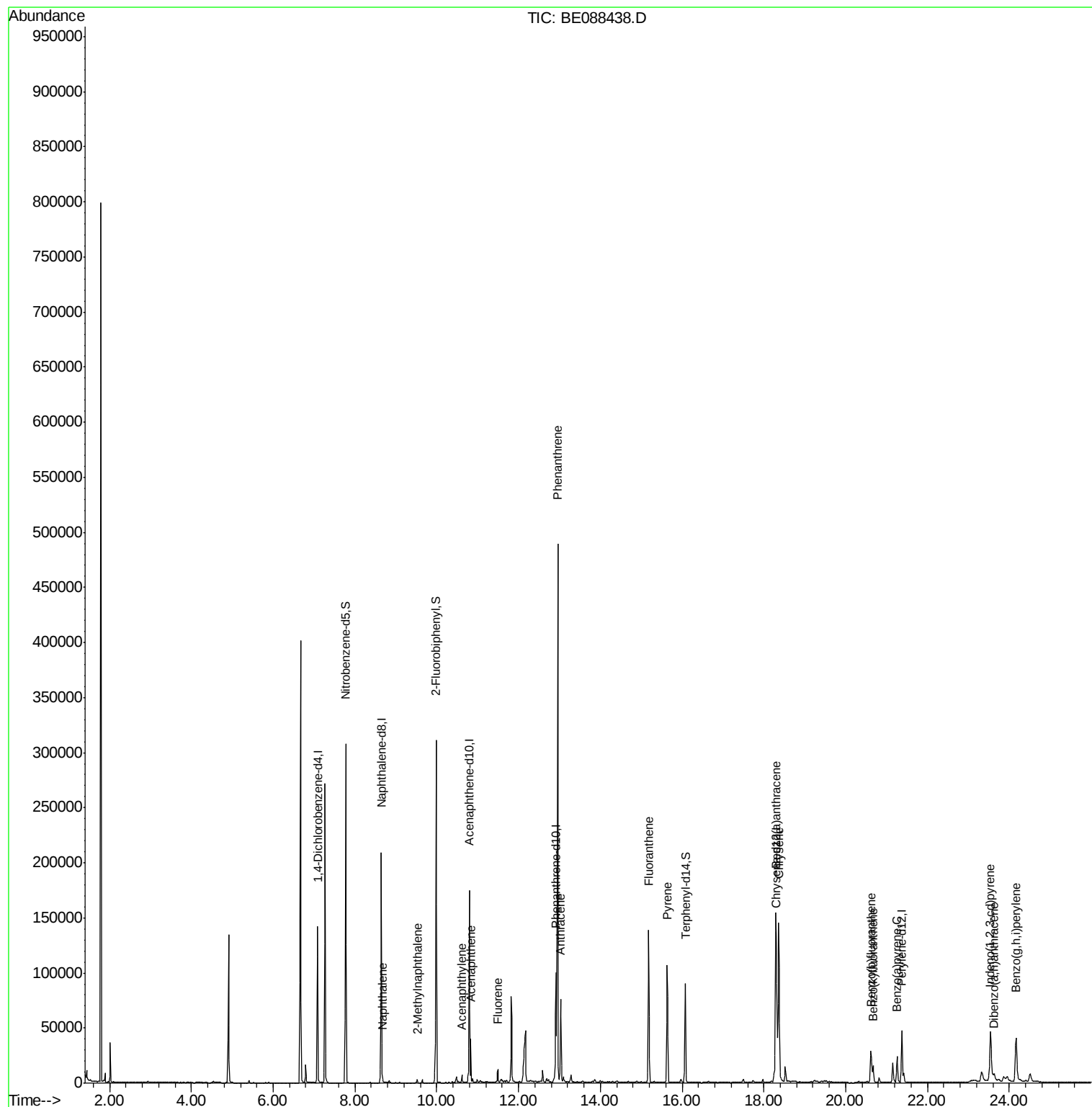
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

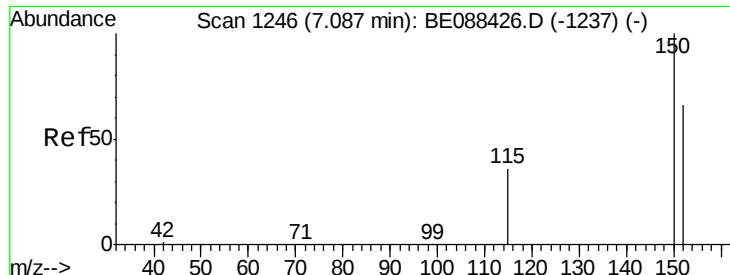
Instrument :
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YS19-SB41-1014

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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: BE088438.D

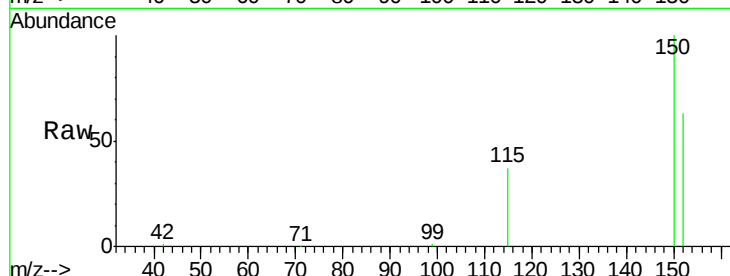
Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 47576

Ion Ratio Lower Upper

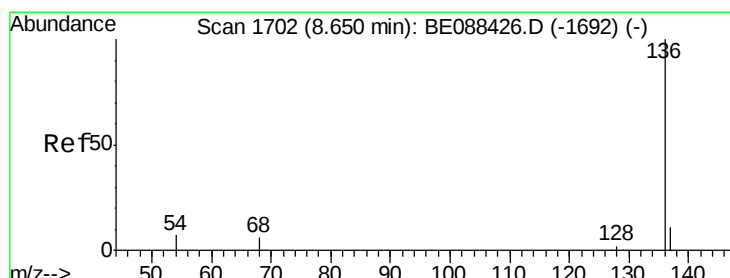
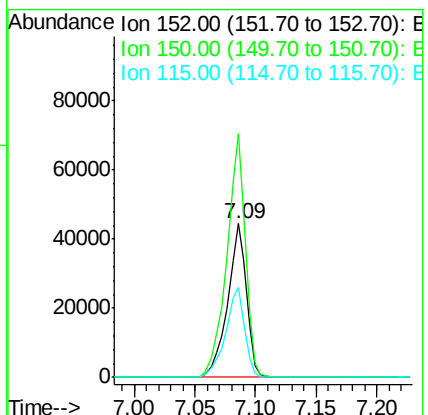
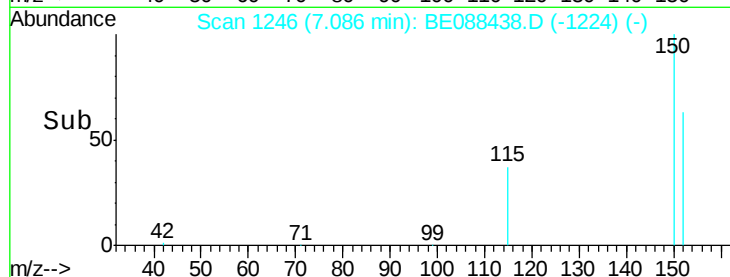
152 100

150 158.1 121.8 182.8

115 58.7 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: BE088438.D

Acq: 1 Nov 2014 00:52

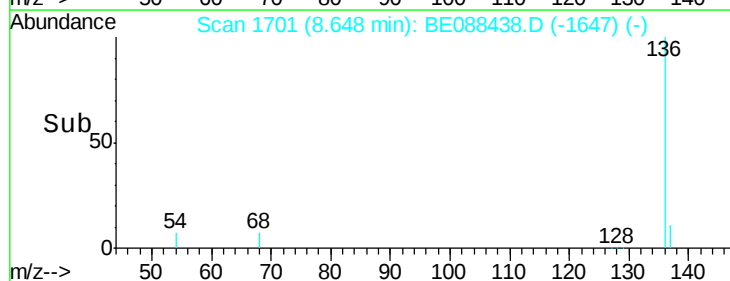
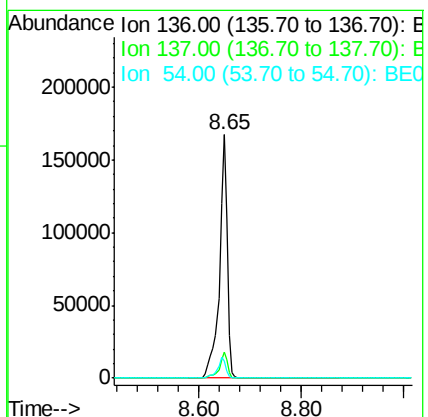
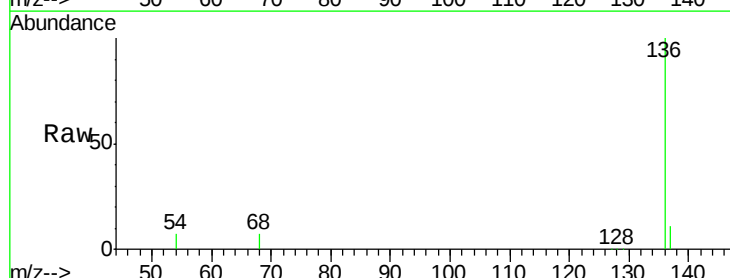
Tgt Ion:136 Resp: 180818

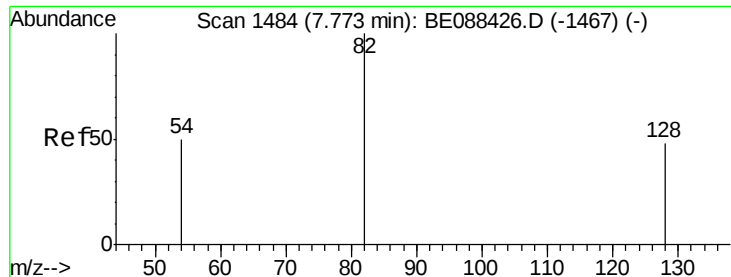
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.1 5.3 7.9





#4

Nitrobenzene-d5

Concen: 12.93 ng

RT: 7.78 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BE088438.D

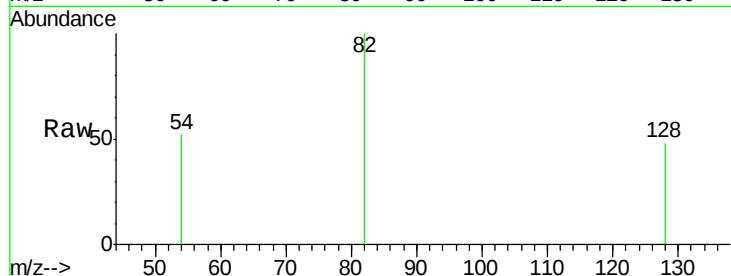
Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

ClientSampleId :

YS19-SB41-1014



Tgt Ion: 82 Resp: 171488

Ion Ratio Lower Upper

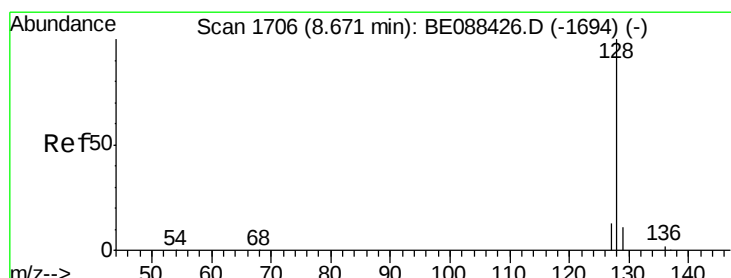
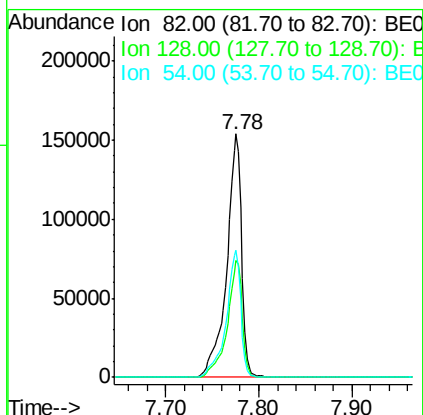
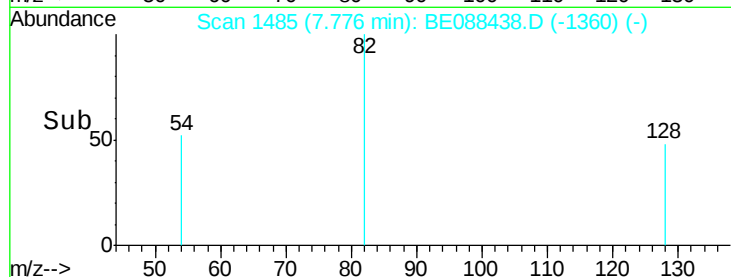
82 100

128 47.9 38.4 57.6

54 52.1 40.2 60.2

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#5

Naphthalene

Concen: 0.16 ng

RT: 8.67 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088438.D

Acq: 1 Nov 2014 00:52

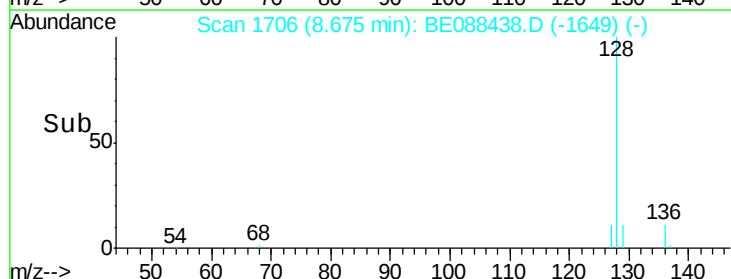
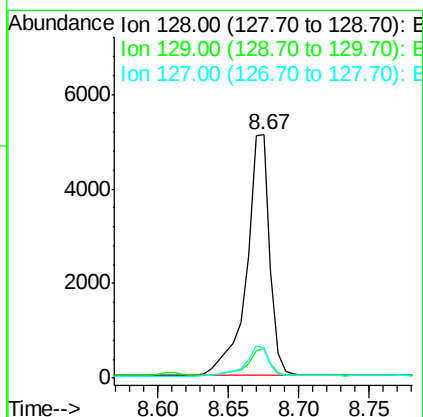
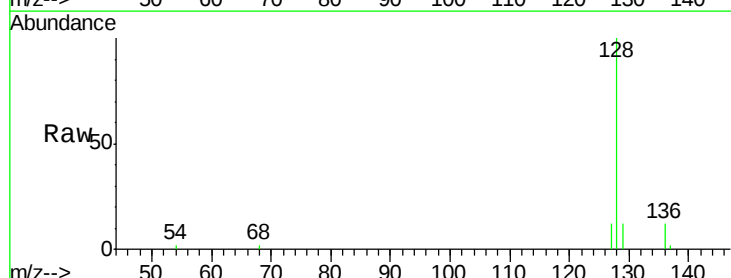
Tgt Ion: 128 Resp: 5824

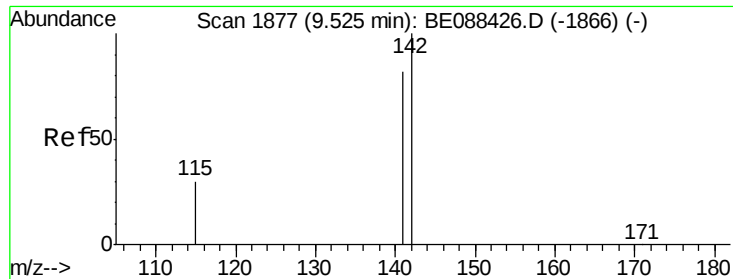
Ion Ratio Lower Upper

128 100

129 12.0 8.6 12.8

127 12.2 10.1 15.1





#6

2-Methylnaphthalene

Concen: 0.07 ng

RT: 9.52 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BE088438.D

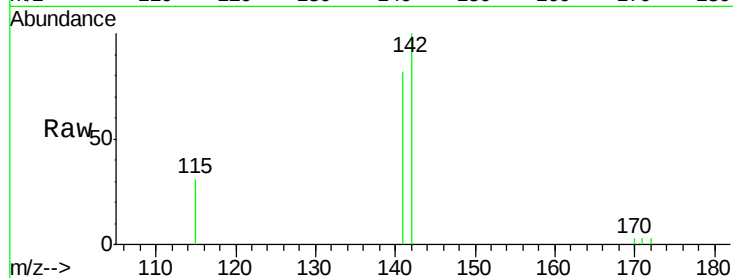
Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

ClientSampleId :

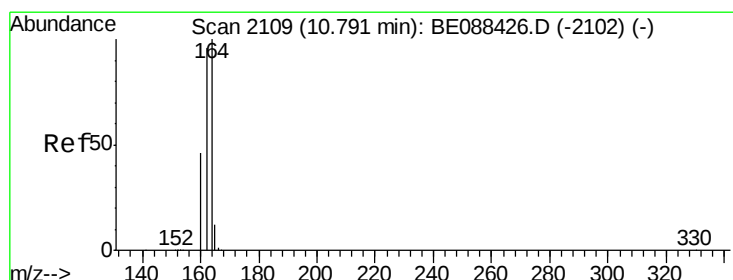
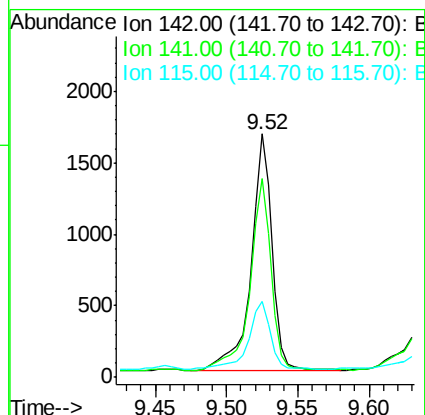
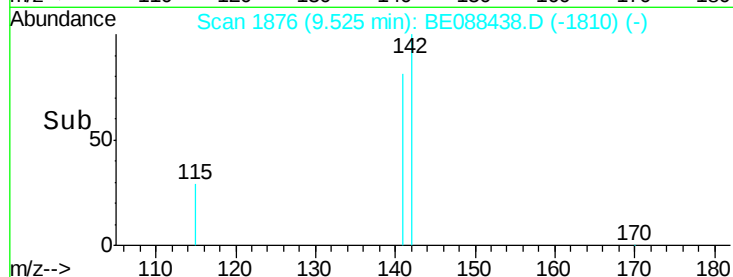
YS19-SB41-1014



Tgt Ion:	142	Resp:	1700
Ion Ratio	Lower	Upper	
142	100		
141	81.9	65.8	98.8
115	31.2	24.2	36.4

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#7

Acenaphthene-d10

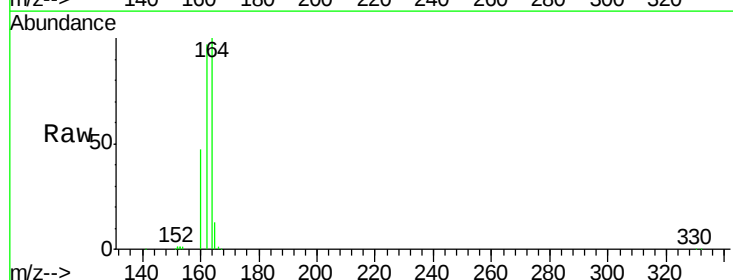
Concen: 5.00 ng

RT: 10.79 min Scan# 2108

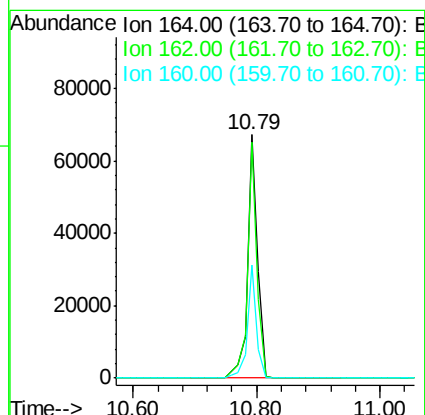
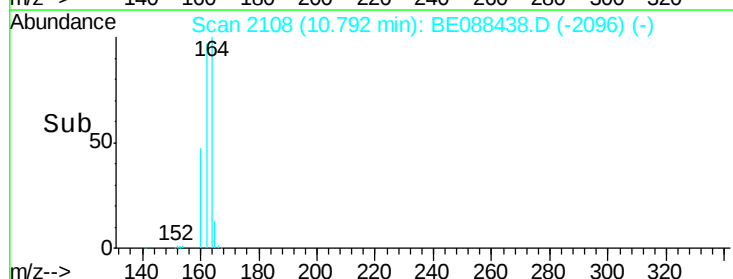
Delta R.T. 0.00 min

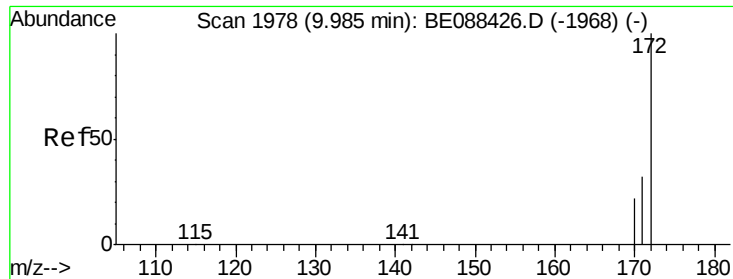
Lab File: BE088438.D

Acq: 1 Nov 2014 00:52



Tgt Ion:	164	Resp:	75177
Ion Ratio	Lower	Upper	
164	100		
162	97.0	77.0	115.4
160	46.6	36.8	55.2





#8

2-Fluorobiphenyl

Concen: 10.98 ng

RT: 9.99 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088438.D

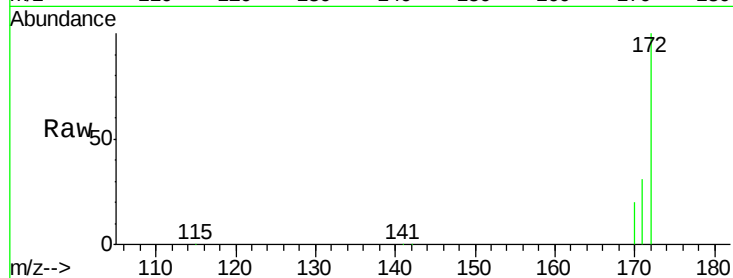
Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

ClientSampleId :

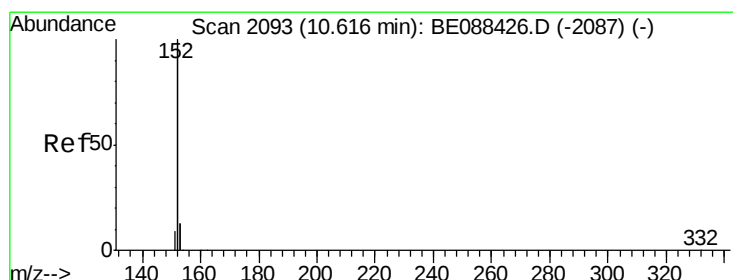
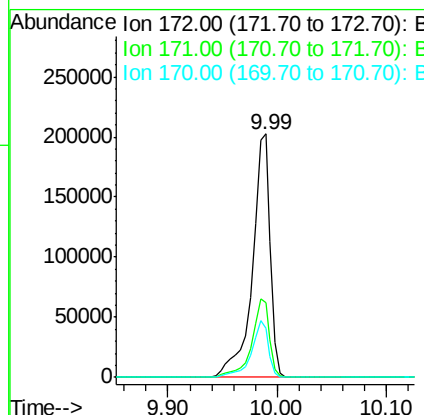
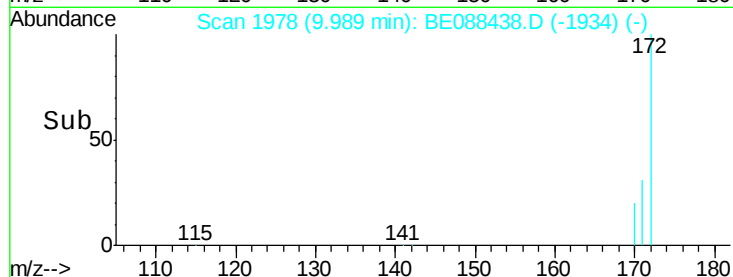
YS19-SB41-1014



Tgt Ion:	172	Resp:	232635
Ion Ratio		Lower	Upper
172	100		
171	30.8	26.0	39.0
170	20.1	17.6	26.4

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#9

Acenaphthylene

Concen: 0.05 ng

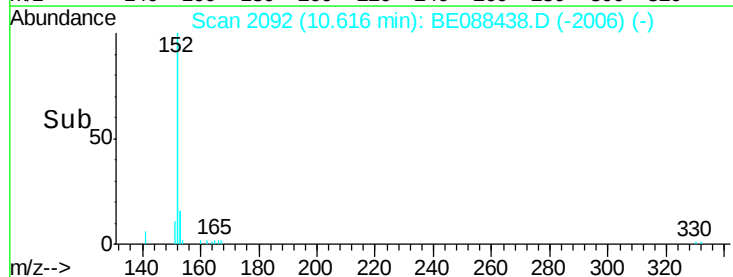
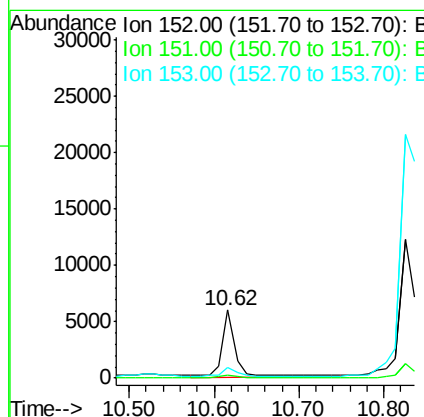
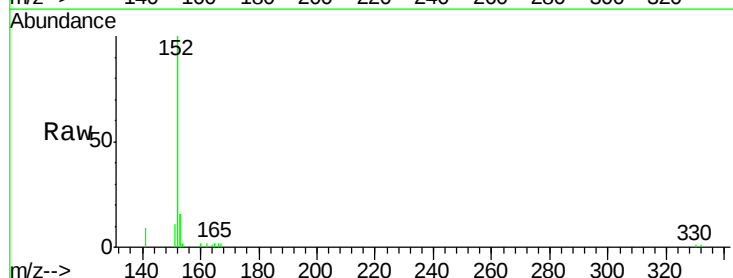
RT: 10.62 min Scan# 2092

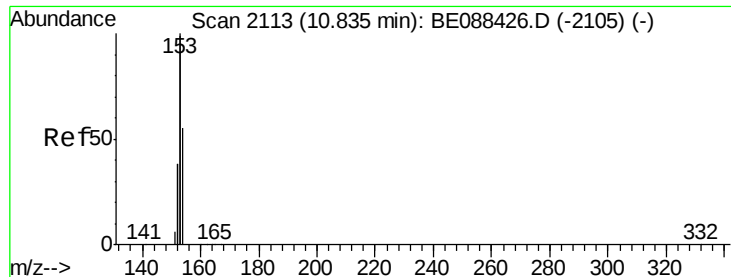
Delta R.T. 0.00 min

Lab File: BE088438.D

Acq: 1 Nov 2014 00:52

Tgt Ion:	152	Resp:	6646
Ion Ratio		Lower	Upper
152	100		
151	5.1	4.4	6.6
153	0.0	10.5	15.7#





#10

Acenaphthene

Concen: 0.42 ng

RT: 10.84 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088438.D

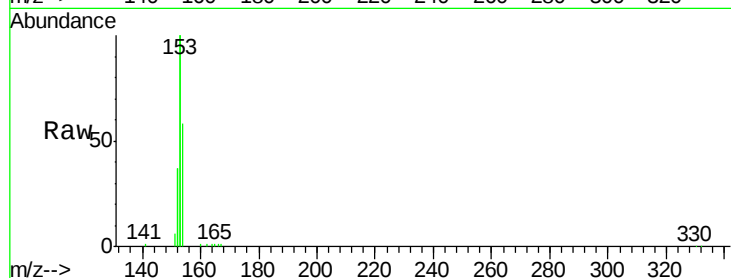
Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

ClientSampleId :

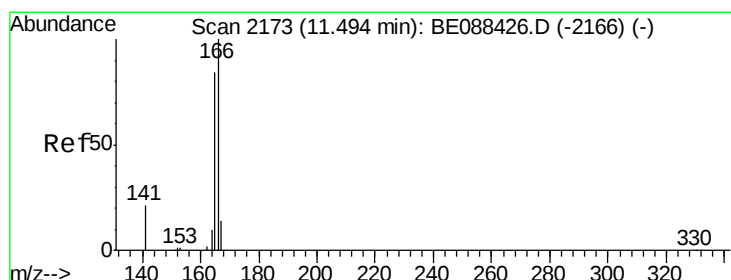
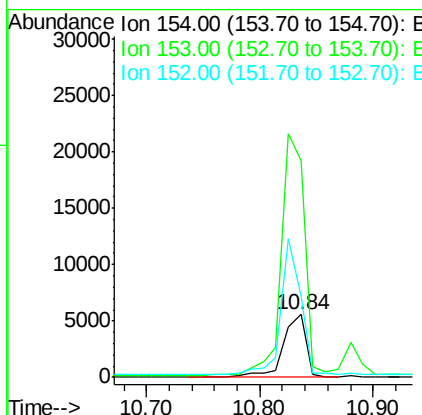
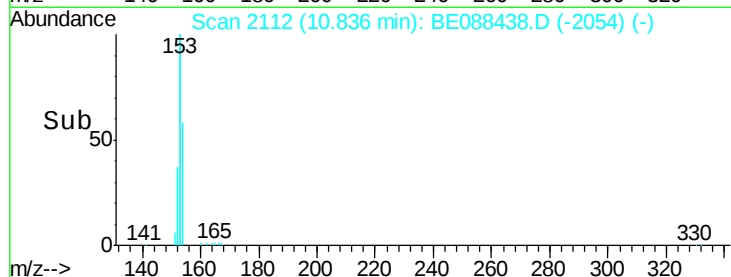
YS19-SB41-1014



Tgt Ion:	154	Resp:	7548
Ion Ratio	Lower	Upper	
154	100		
153	400.3	324.3	486.5
152	202.0	154.9	232.3

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#11

Fluorene

Concen: 0.37 ng

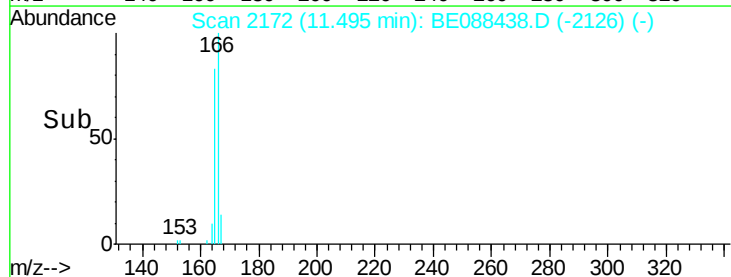
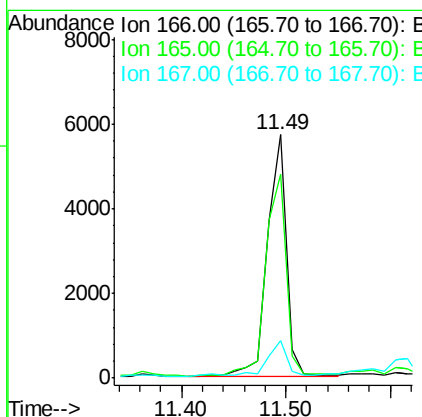
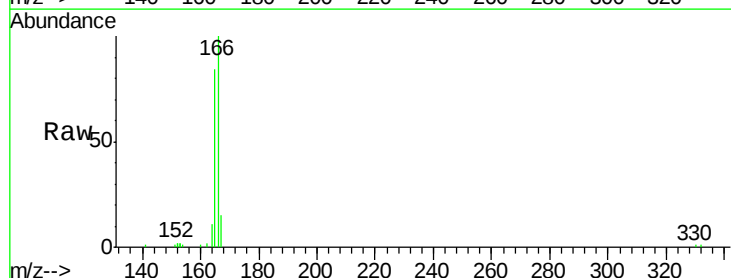
RT: 11.49 min Scan# 2172

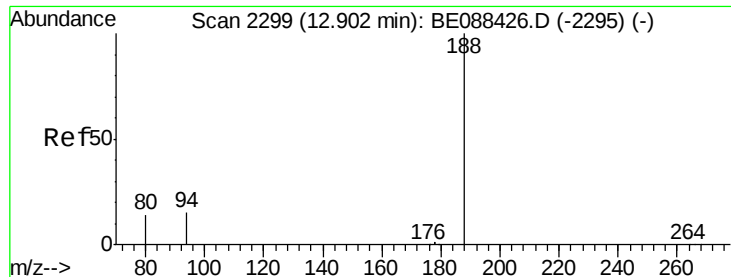
Delta R.T. 0.00 min

Lab File: BE088438.D

Acq: 1 Nov 2014 00:52

Tgt Ion:	166	Resp:	7143
Ion Ratio	Lower	Upper	
166	100		
165	89.9	71.3	106.9
167	15.6	10.7	16.1





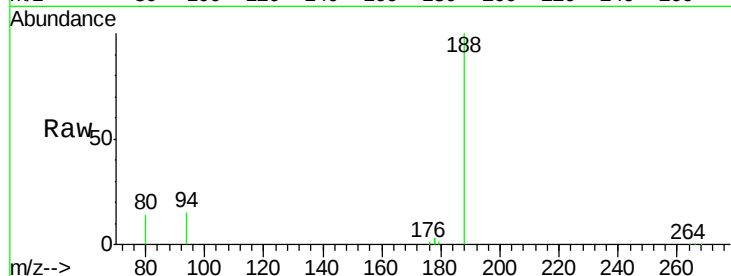
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

Instrument :
BNA_E
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YS19-SB41-1014

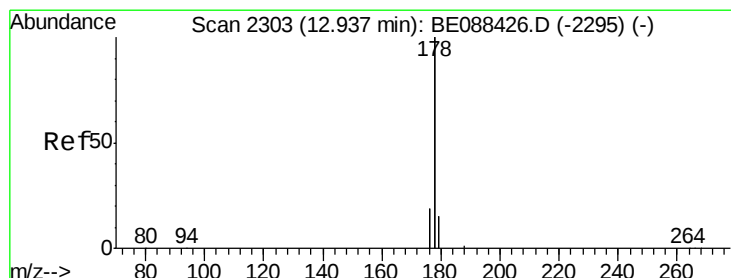
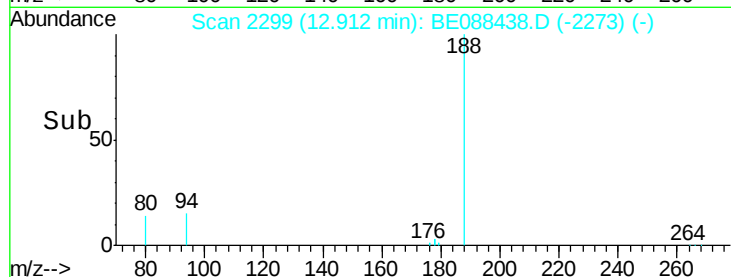
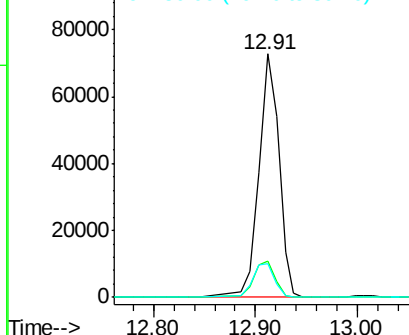
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	15.1	11.8	17.8
80	14.1	10.9	16.3

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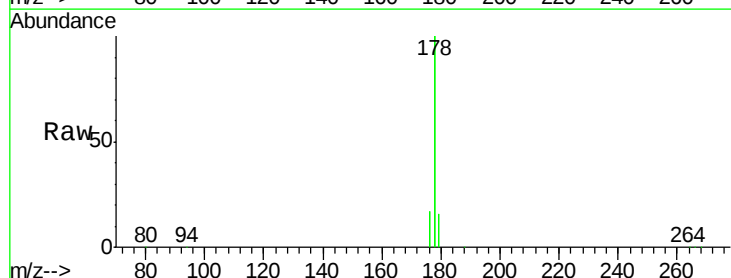


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

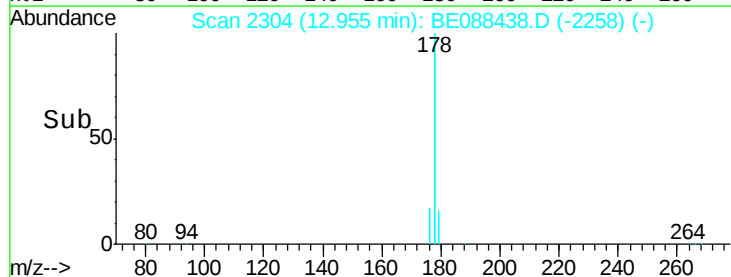
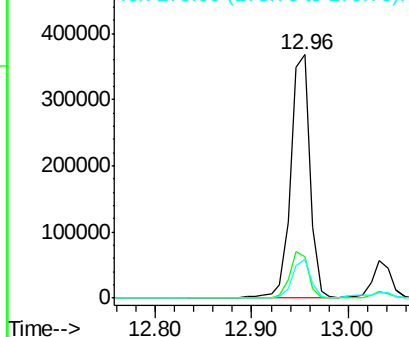


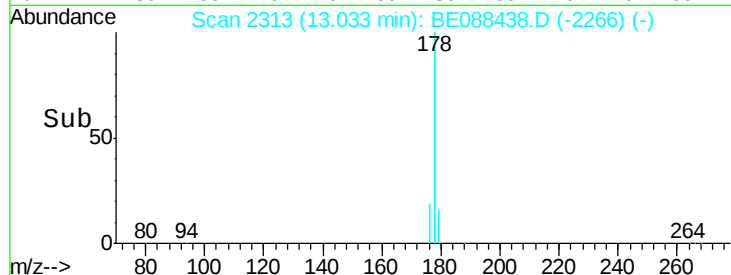
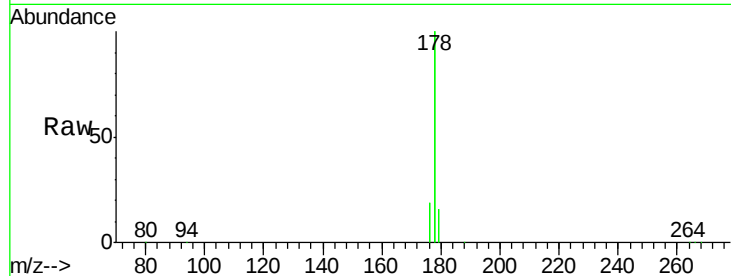
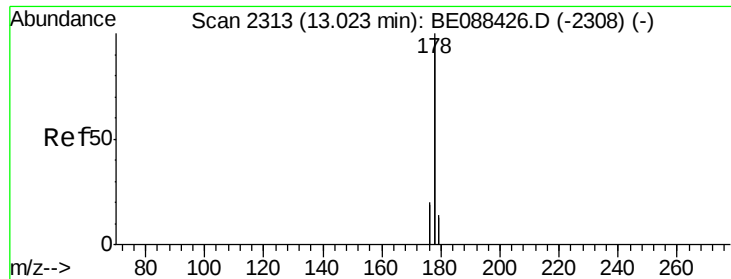
#13
Phenanthrene
Concen: 5.69 ng
RT: 12.96 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.8	19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





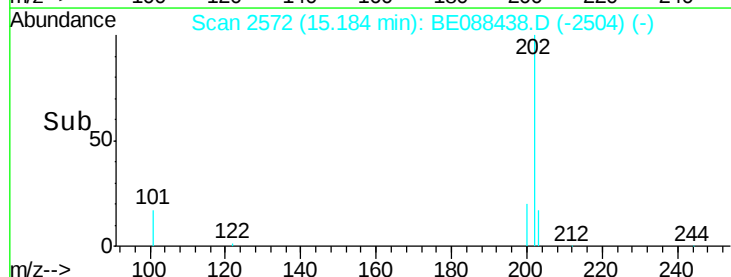
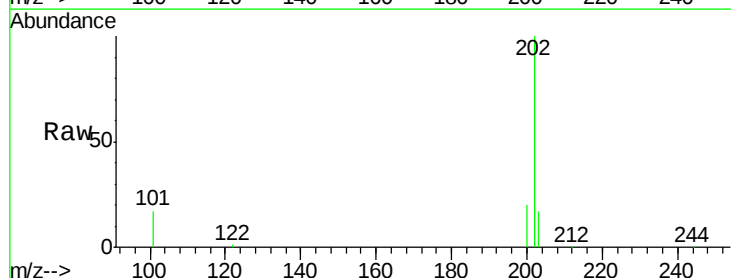
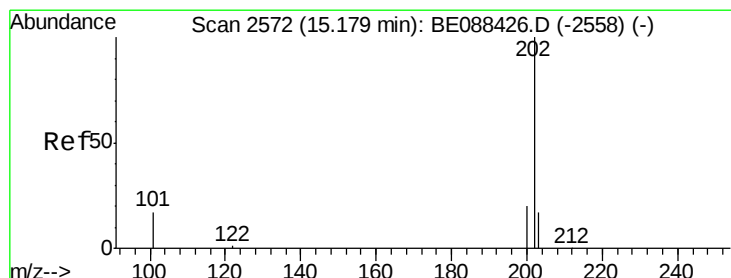
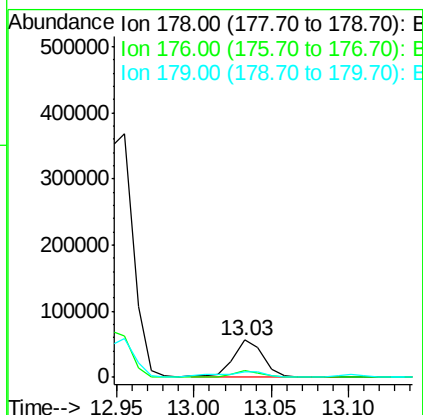
#14
 Anthracene
 Concen: 0.82 ng m
 RT: 13.03 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BE088438.D
 Acq: 1 Nov 2014 00:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	162.1	15.0	22.4#
179	134.6	12.5	18.7#

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB41-1014

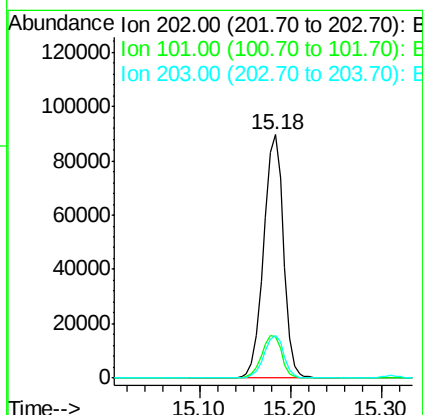
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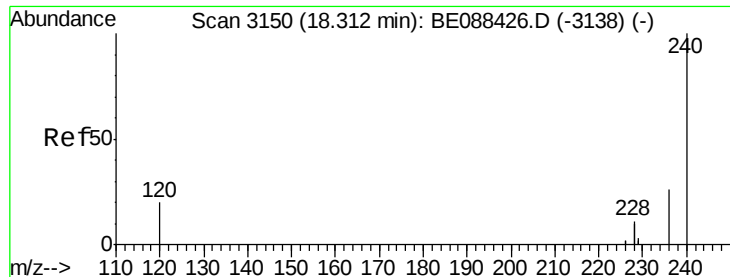
mohammad
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#15
 Fluoranthene
 Concen: 7.22 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: BE088438.D
 Acq: 1 Nov 2014 00:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.3	21.5
203	17.1	13.6	20.4





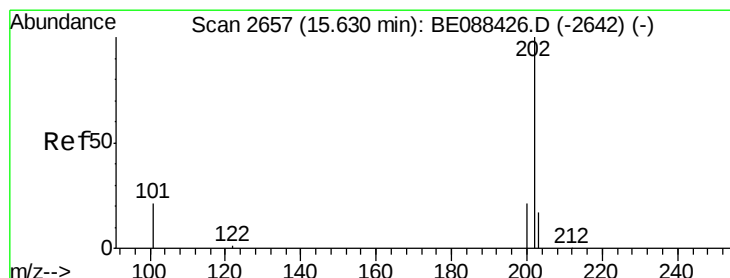
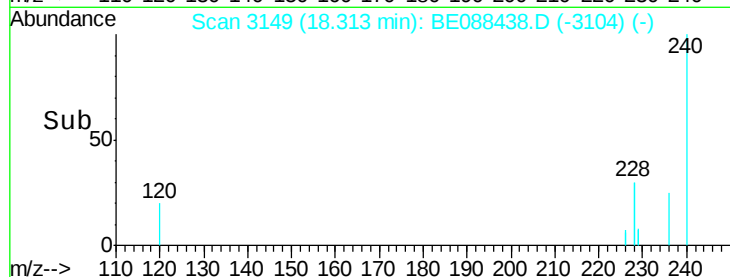
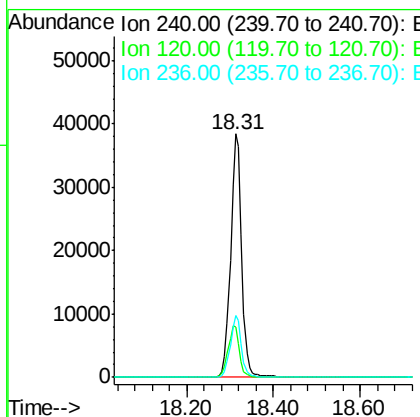
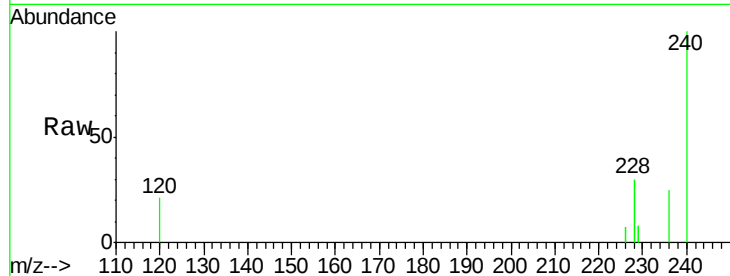
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3149
Delta R.T. 0.00 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

Instrument :
BNA_E
ClientSampleId :
YS19-SB41-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	68053		
120	20.6		16.4	24.6
236	25.3		20.5	30.7

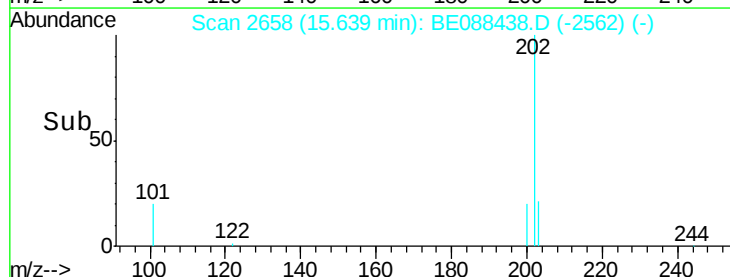
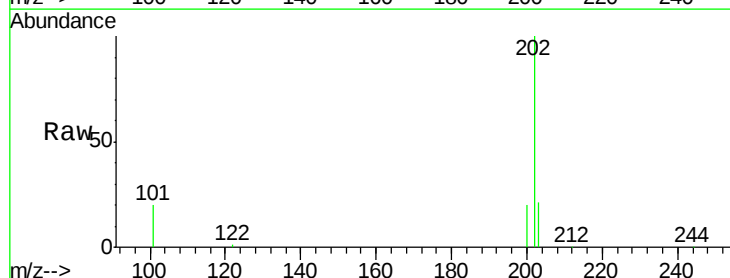
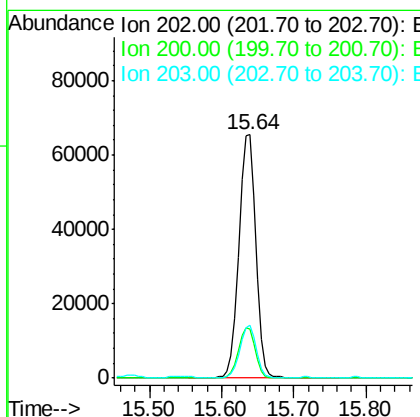
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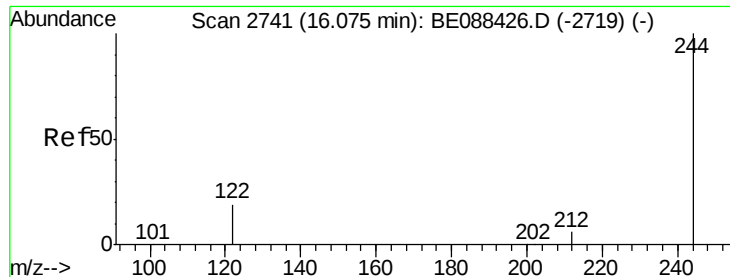
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#17
Pyrene
Concen: 4.76 ng
RT: 15.64 min Scan# 2658
Delta R.T. 0.01 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	105676		
200	20.3		16.1	24.1
203	20.7		13.8	20.8





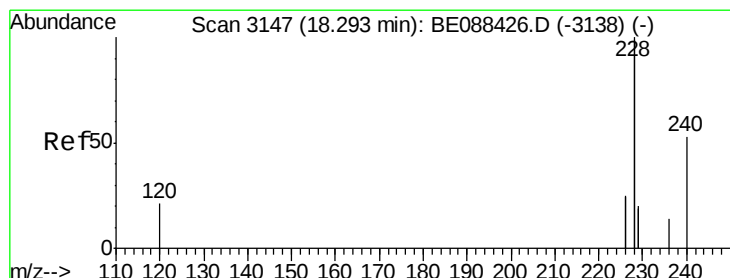
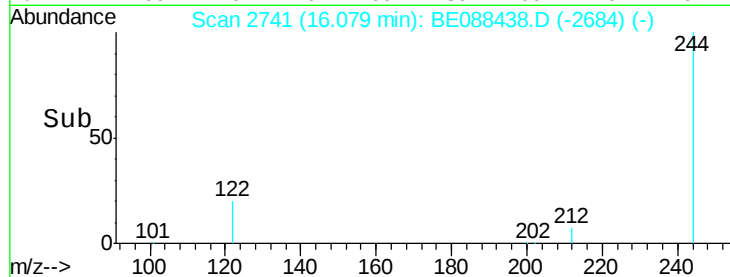
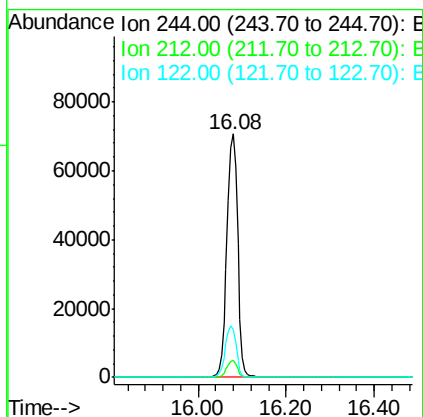
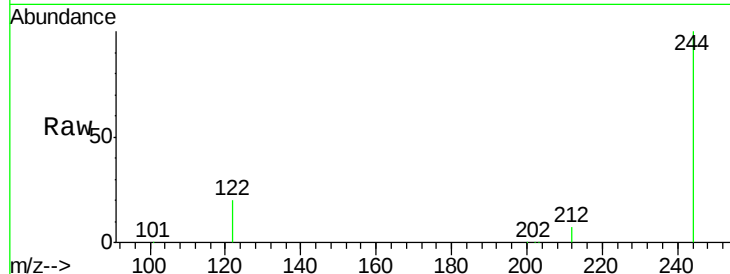
#18
 Terphenyl-d14
 Concen: 9.55 ng
 RT: 16.08 min Scan# 2741
 Delta R.T. 0.00 min
 Lab File: BE088438.D
 Acq: 1 Nov 2014 00:52

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB41-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	119361		
212	6.8	5.5	8.3	
122	19.7	15.6	23.4	

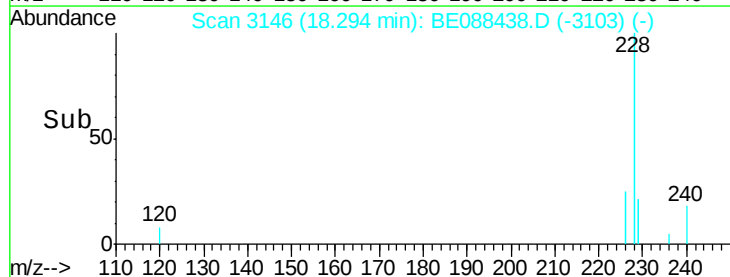
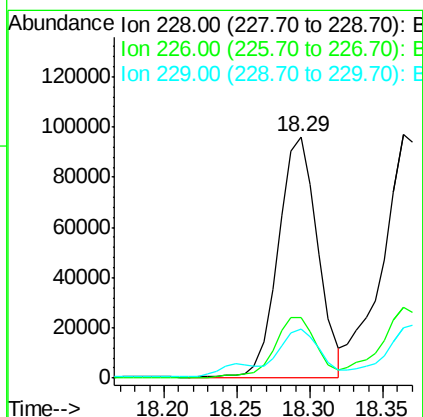
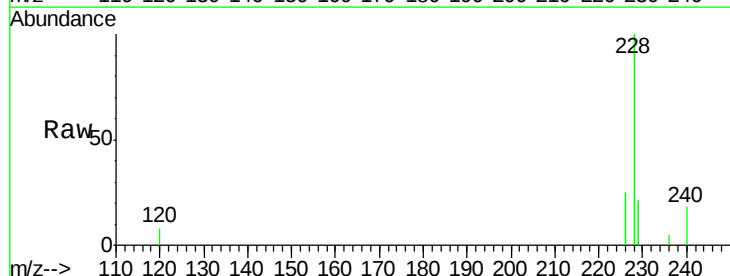
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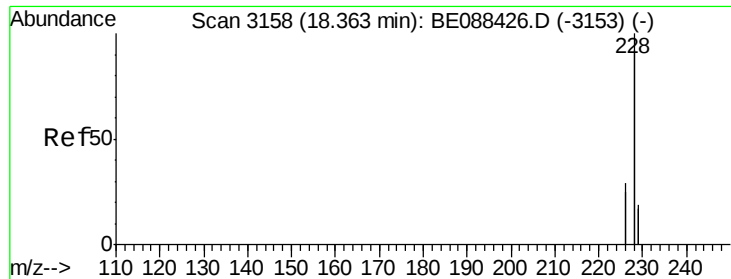
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#19
 Benzo(a)anthracene
 Concen: 2.79 ng
 RT: 18.29 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: BE088438.D
 Acq: 1 Nov 2014 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	178826		
226	25.2	19.8	29.6	
229	20.5	16.0	24.0	





#20

Chrysene

Concen: 3.15 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088438.D

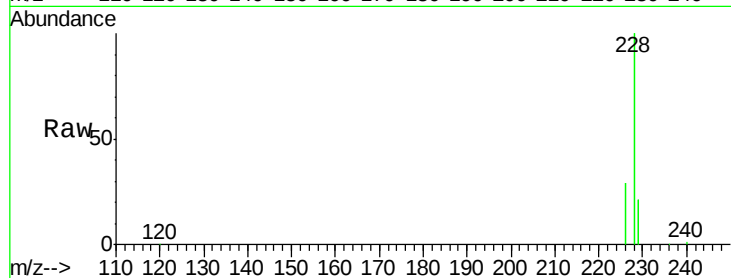
Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

ClientSampleId :

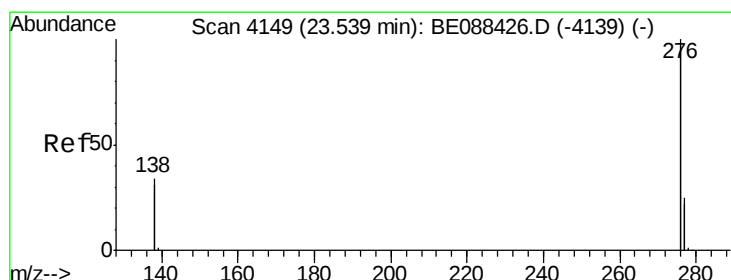
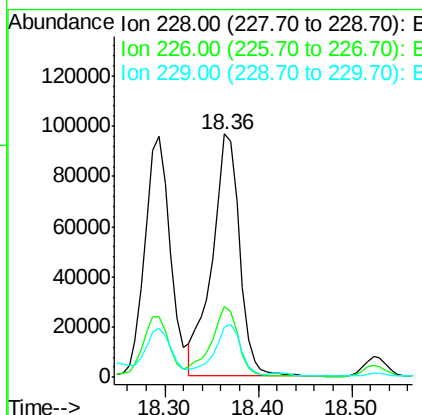
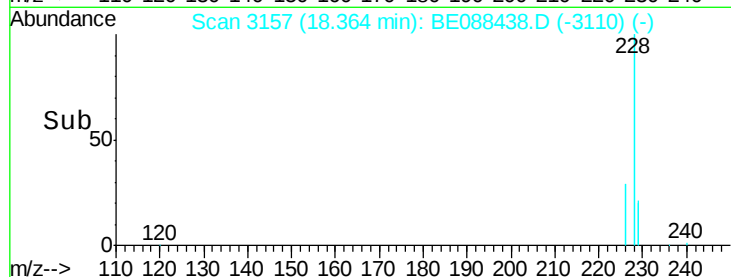
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Tgt Ion:	228	Resp:	198033
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.6	35.4
229	20.6	15.4	23.2

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.51 ng

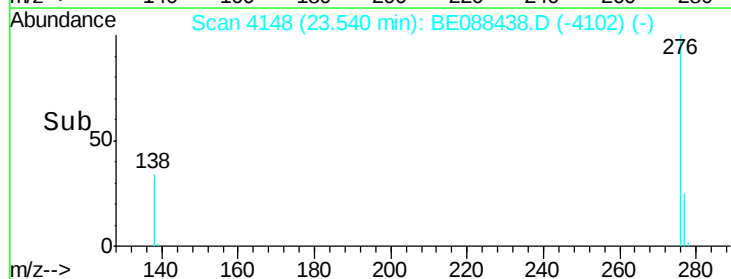
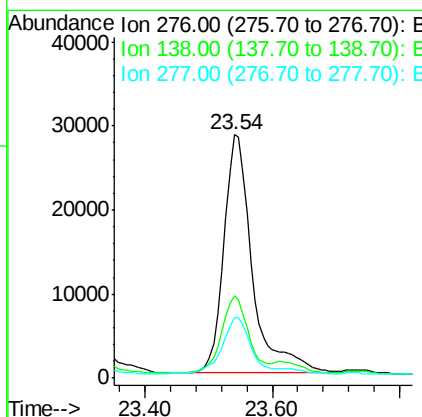
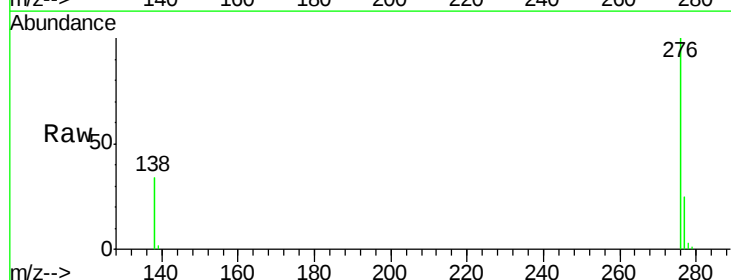
RT: 23.54 min Scan# 4148

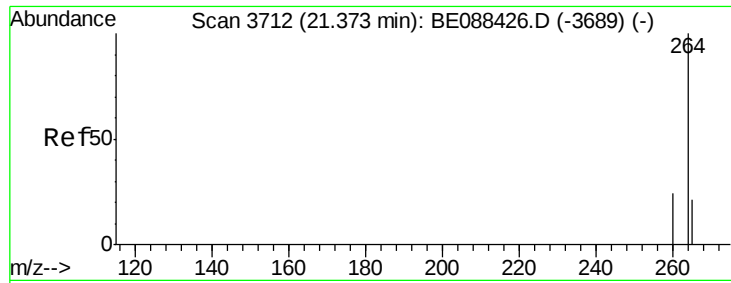
Delta R.T. 0.00 min

Lab File: BE088438.D

Acq: 1 Nov 2014 00:52

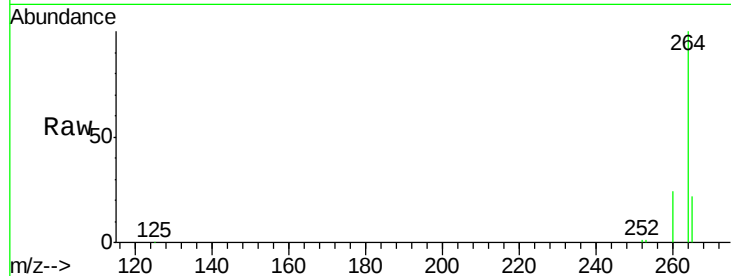
Tgt Ion:	276	Resp:	88279
Ion Ratio	Lower	Upper	
276	100		
138	29.7	20.2	30.2
277	26.8	14.8	22.2#





#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3711
Delta R.T. 0.00 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

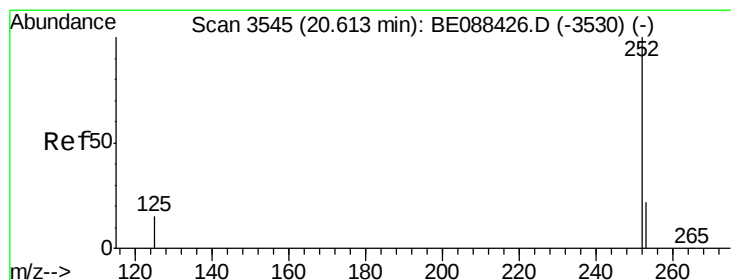
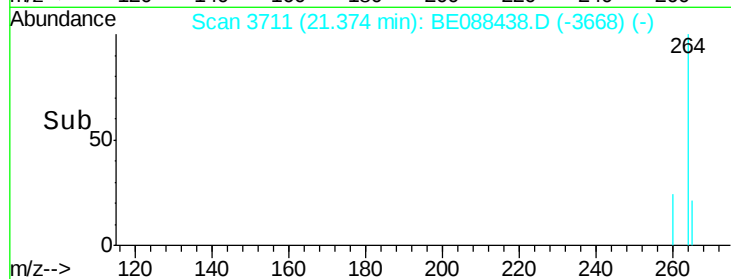
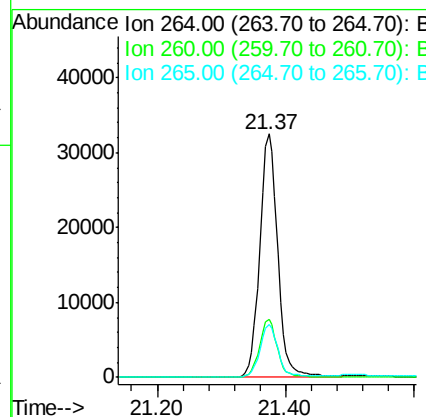
Instrument :
BNA_E
ClientSampleId :
YS19-SB41-1014



Tgt Ion: 264 Resp: 62612
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.6 17.2 25.8

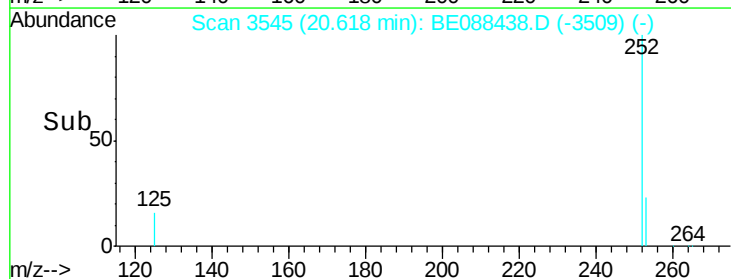
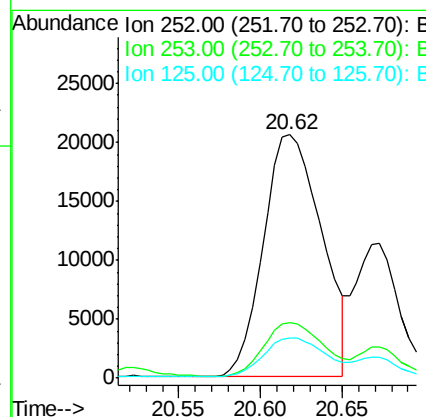
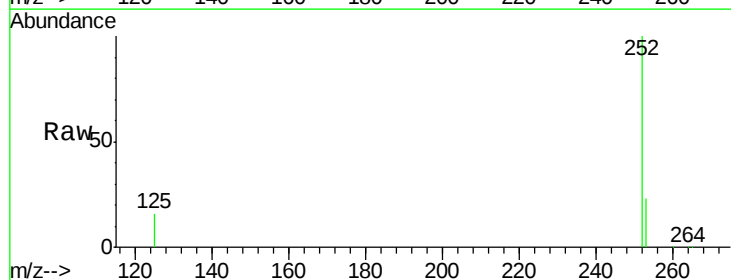
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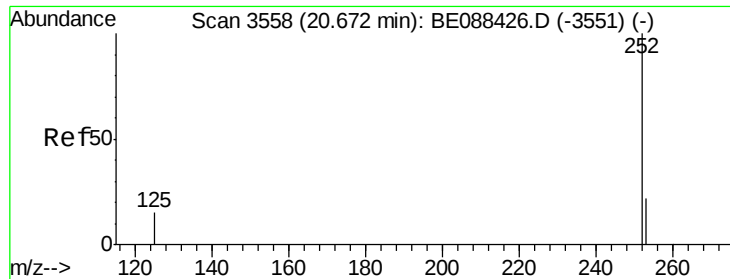
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#23
Benzo(b)fluoranthene
Concen: 3.70 ng
RT: 20.62 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

Tgt Ion: 252 Resp: 50787
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 16.5 12.3 18.5





#24

Benzo(k)fluoranthene

Concen: 1.34 ng

RT: 20.67 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE088438.D

Acq: 1 Nov 2014 00:52

Instrument :

BNA_E

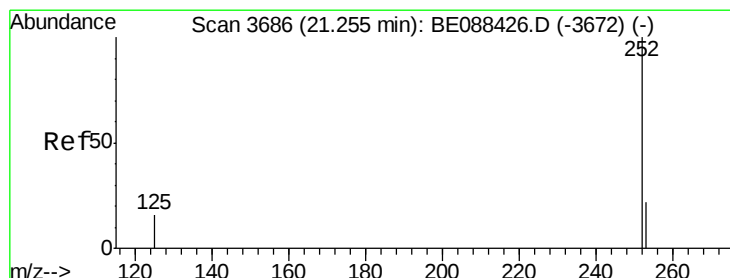
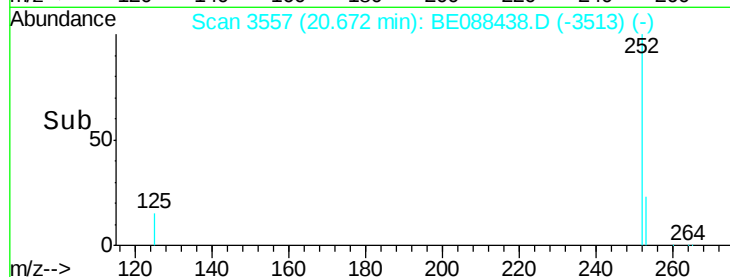
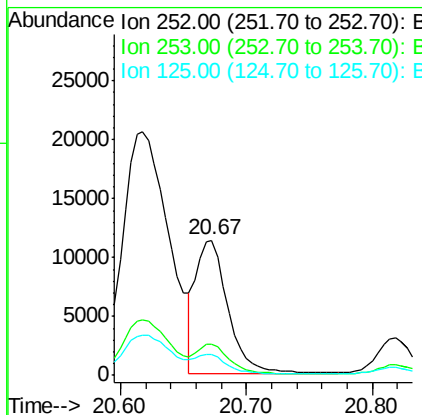
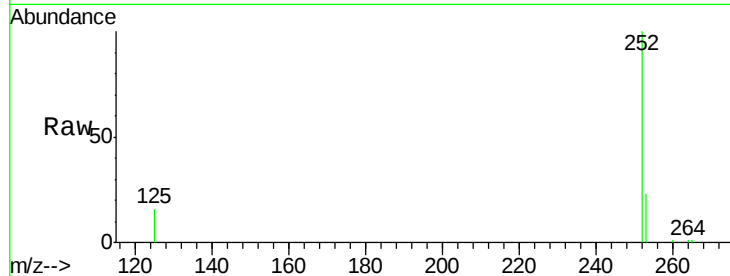
ClientSampleId :

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Tgt Ion:	252	Resp:	20231
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	15.7	12.2	18.4



#25

Benzo(a)pyrene

Concen: 2.53 ng

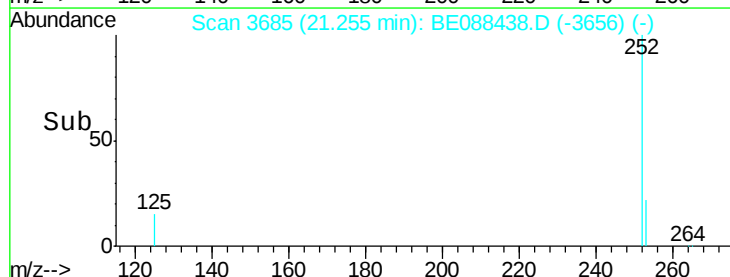
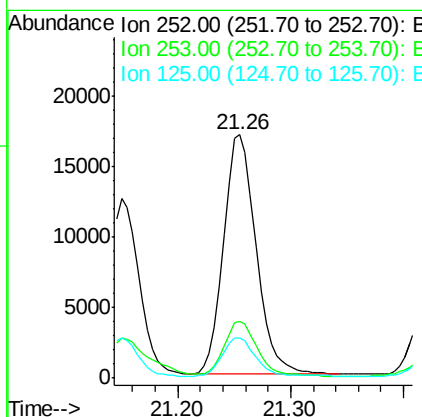
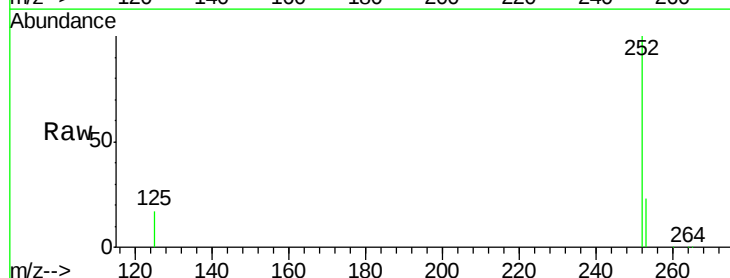
RT: 21.26 min Scan# 3685

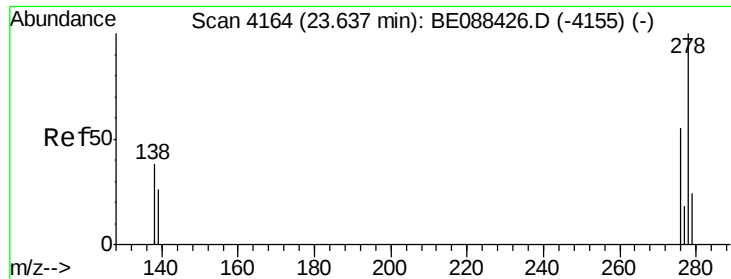
Delta R.T. 0.00 min

Lab File: BE088438.D

Acq: 1 Nov 2014 00:52

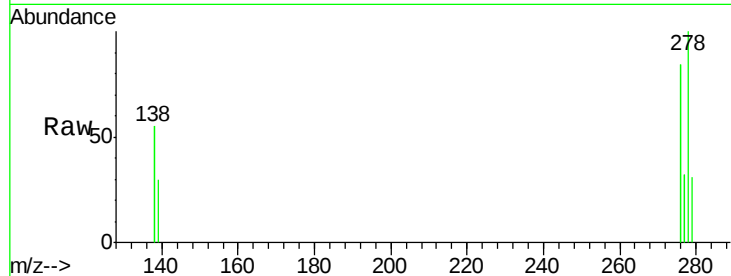
Tgt Ion:	252	Resp:	33360
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.4
125	16.6	13.7	20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 23.63 min Scan# 4162
Delta R.T. -0.01 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52

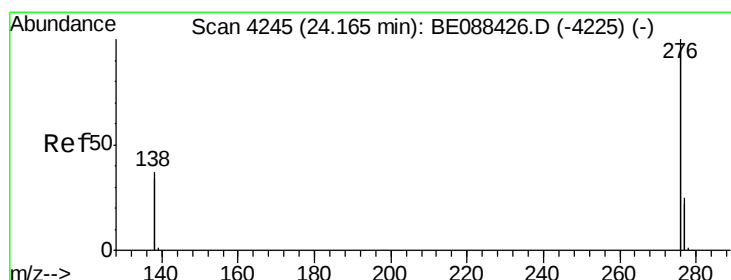
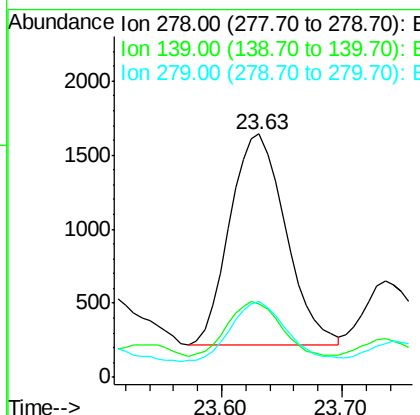
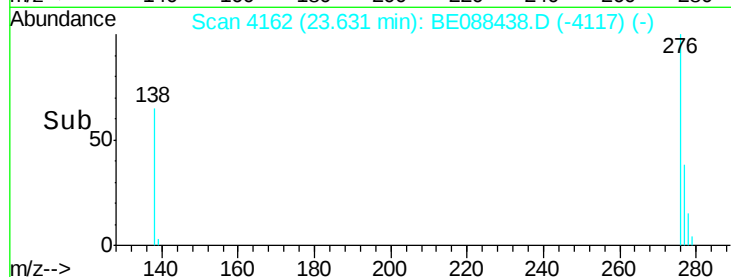
Instrument :
BNA_E
ClientSampleId :
YS19-SB41-1014



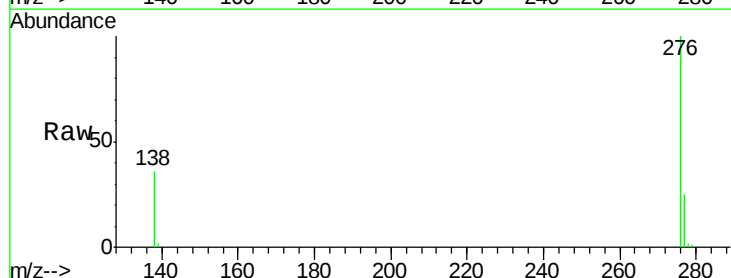
Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	22.1	33.1
279	31.0	19.7	29.5

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#27
Benzo(g,h,i)perylene
Concen: 1.40 ng
RT: 24.17 min Scan# 4244
Delta R.T. 0.00 min
Lab File: BE088438.D
Acq: 1 Nov 2014 00:52



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	35.6	29.3	43.9

