

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088437.D
 Acq On : 1 Nov 2014 00:16
 Operator : TP/JJ
 Sample : F4368-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS34-1014

Manual Integrations
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mohammad
 11/4/2014 9:06:25 AM

Quant Time: Nov 01 04:31:48 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	45177	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	160436	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	65295	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	120054	5.00	ng	0.00
16) Chrysene-d12	18.31	240	62139	5.00	ng	0.00
22) Perylene-d12	21.37	264	57360	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	736298	62.58	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	740530	40.24	ng	0.00
18) Terphenyl-d14	16.10	244	442132	38.73	ng	0.02
Target Compounds						Qvalue
5) Naphthalene	8.67	128	2133	0.06	ng	# 94
6) 2-Methylnaphthalene	9.53	142	656m	0.03	ng	
9) Acenaphthylene	10.62	152	5290	0.05	ng	# 94
10) Acenaphthene	10.84	154	2532	0.16	ng	92
11) Fluorene	11.49	166	2141	0.13	ng	98
13) Phenanthrene	12.94	178	259655	2.38	ng	99
14) Anthracene	13.02	178	34969m	0.40	ng	
15) Fluoranthene	15.18	202	78575	4.44	ng	100
17) Pyrene	15.63	202	67473	3.33	ng	97
19) Benzo(a)anthracene	18.29	228	119635	2.05	ng	98
20) Chrysene	18.36	228	137304	2.39	ng	98
21) Indeno(1,2,3-cd)pyrene	23.54	276	78465	1.47	ng	# 91
23) Benzo(b)fluoranthene	20.61	252	41152	3.27	ng	98
24) Benzo(k)fluoranthene	20.67	252	15735	1.14	ng	98
25) Benzo(a)pyrene	21.26	252	26316	2.18	ng	99
26) Dibenzo(a,h)anthracene	23.63	278	3832	0.34	ng	# 87
27) Benzo(g,h,i)perylene	24.17	276	75118	1.46	ng	99

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

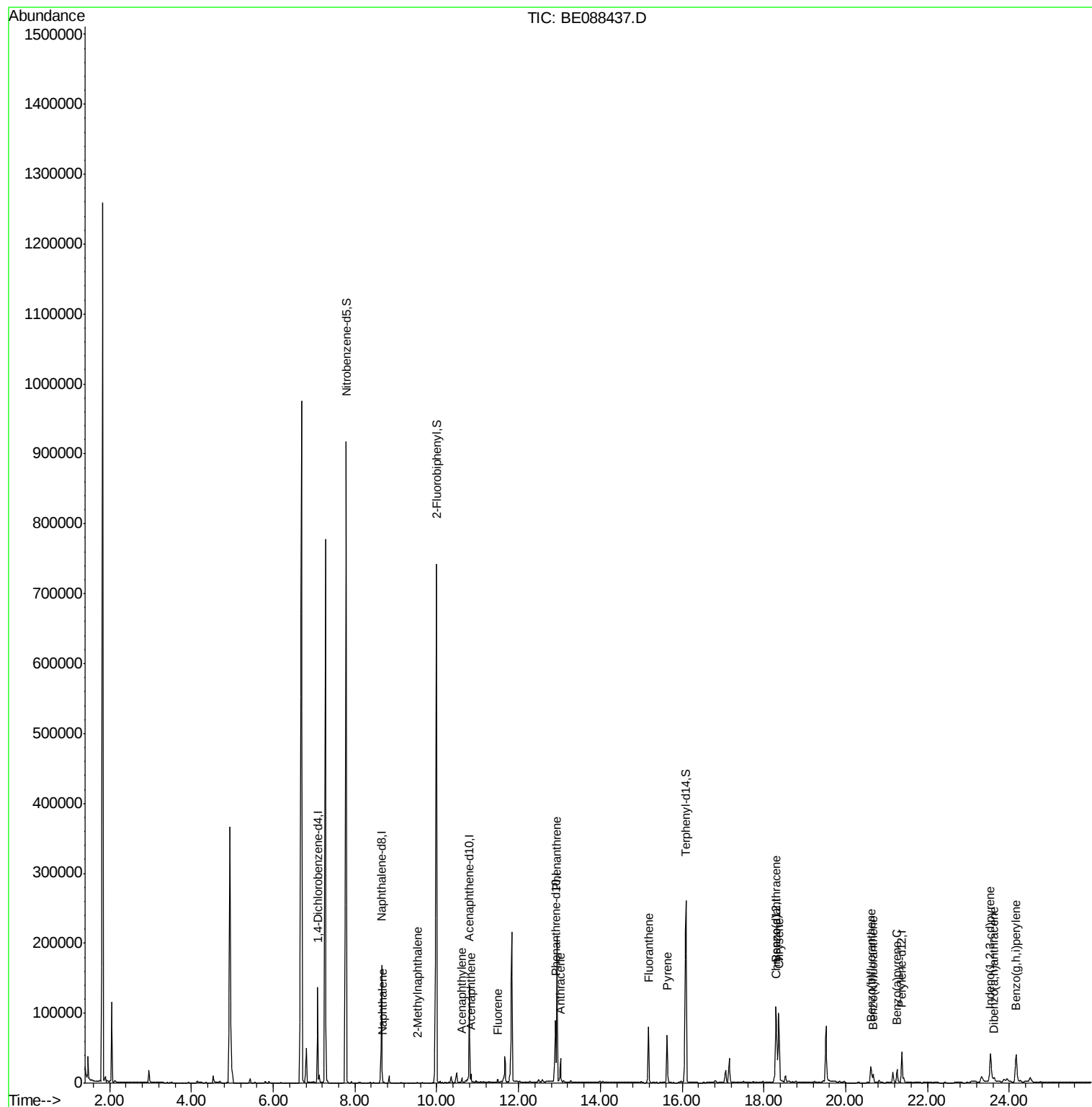
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088437.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

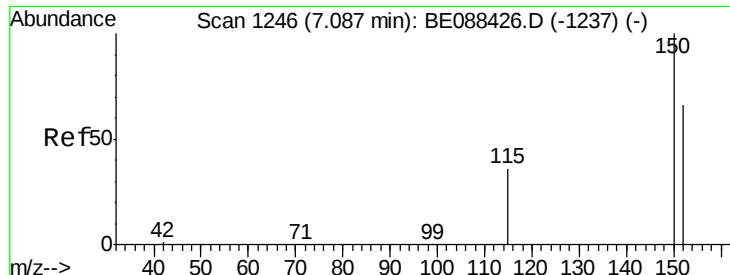
Instrument :
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ClientSampleId :
YS19-SS34-1014

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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: BE088437.D

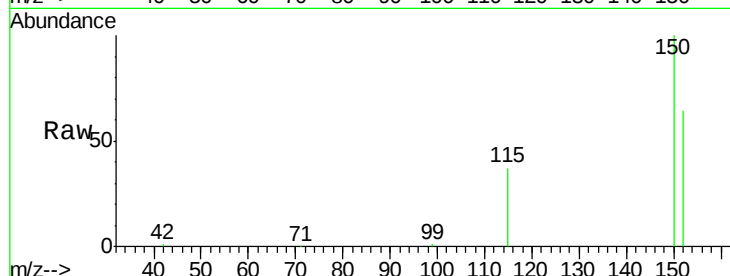
Acq: 1 Nov 2014 00:16

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 45177

Ion Ratio Lower Upper

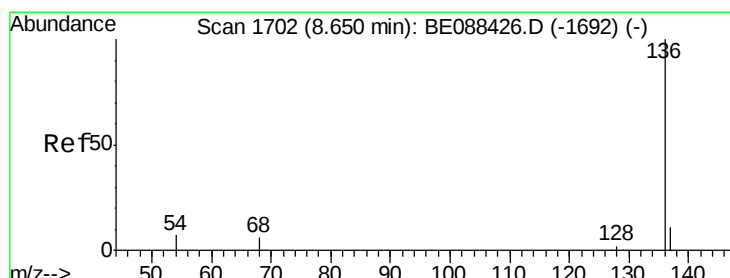
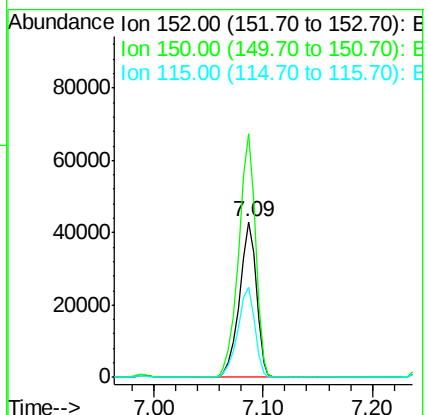
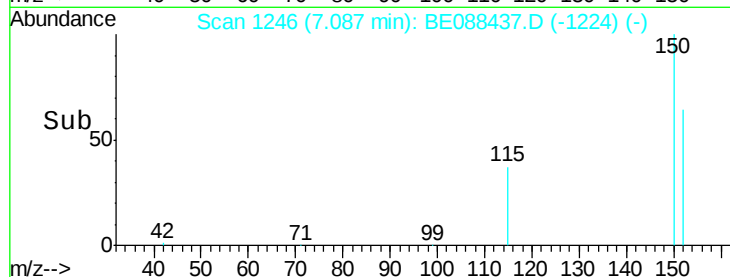
152 100

150 156.4 121.8 182.8

115 57.8 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

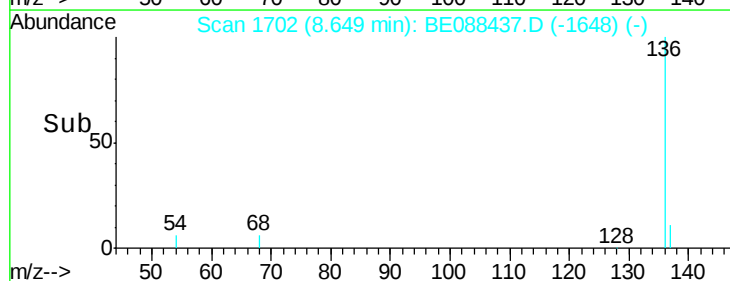
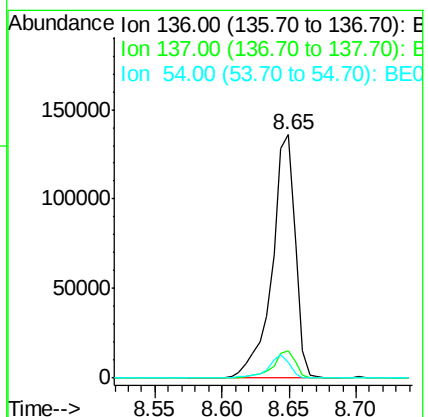
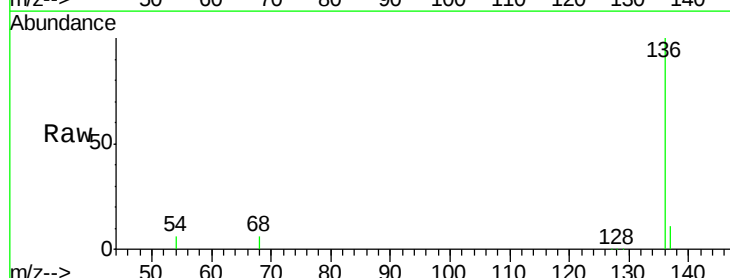
Tgt Ion:136 Resp: 160436

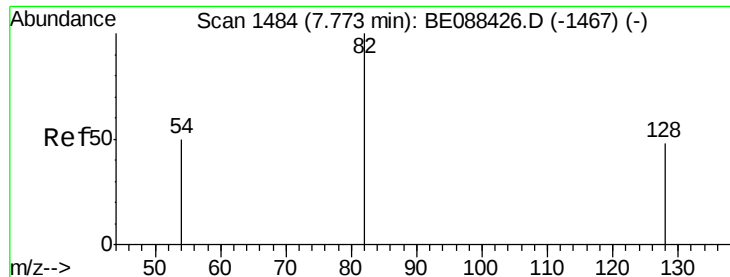
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.4 5.3 7.9





#4

Nitrobenzene-d5

Concen: 62.58 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088437.D

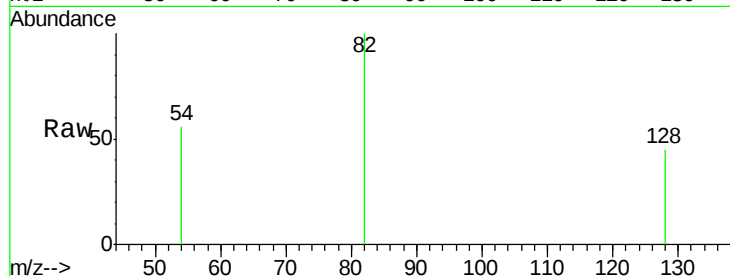
Acq: 1 Nov 2014 00:16

Instrument :

BNA_E

ClientSampleId :

YS19-SS34-1014



Tgt Ion: 82 Resp: 736298

Ion Ratio Lower Upper

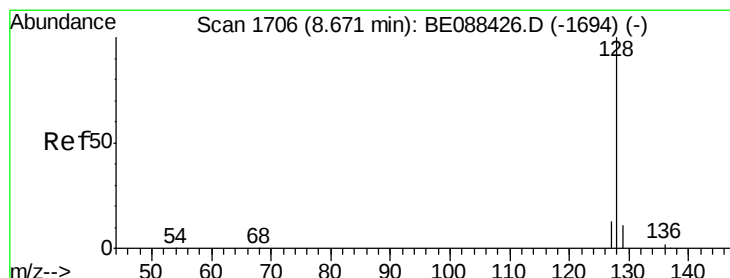
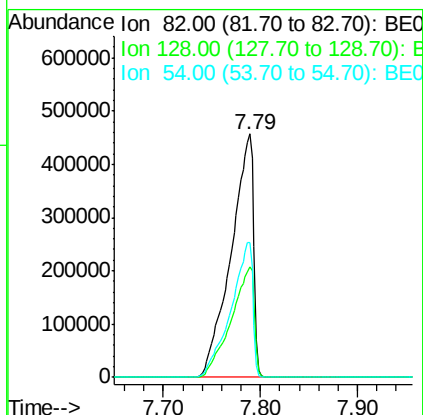
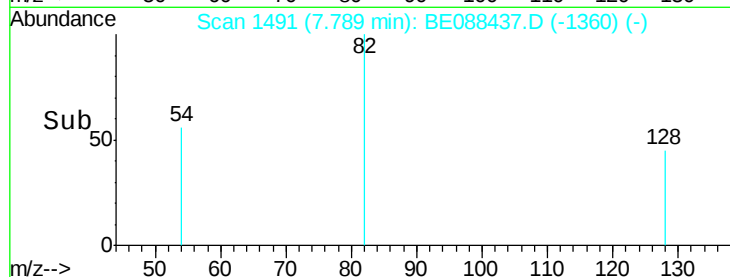
82 100

128 45.4 38.4 57.6

54 55.5 40.2 60.2

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#5

Naphthalene

Concen: 0.06 ng

RT: 8.67 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

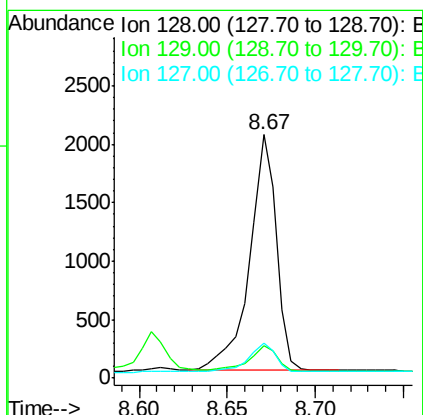
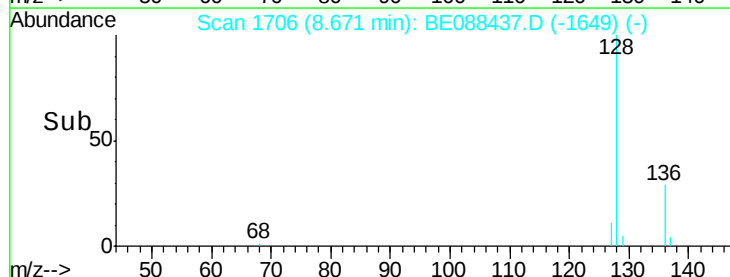
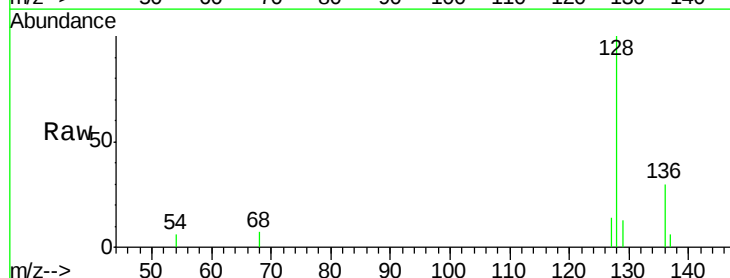
Tgt Ion: 128 Resp: 2133

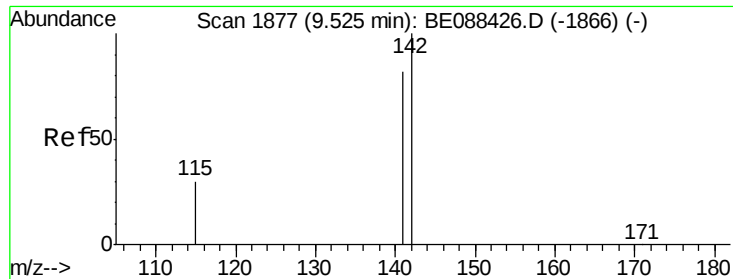
Ion Ratio Lower Upper

128 100

129 13.3 8.6 12.8#

127 14.5 10.1 15.1





#6

2-Methylnaphthalene

Concen: 0.03 ng m

RT: 9.53 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE088437.D

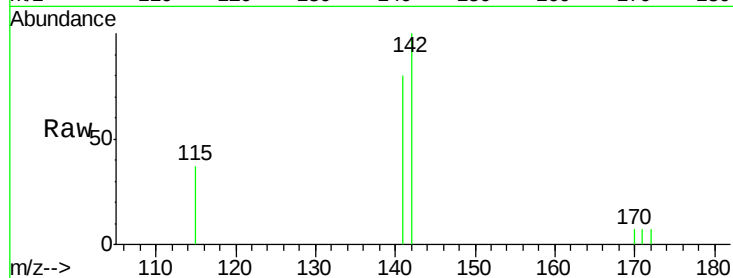
Acq: 1 Nov 2014 00:16

Instrument :

BNA_E

ClientSampleId :

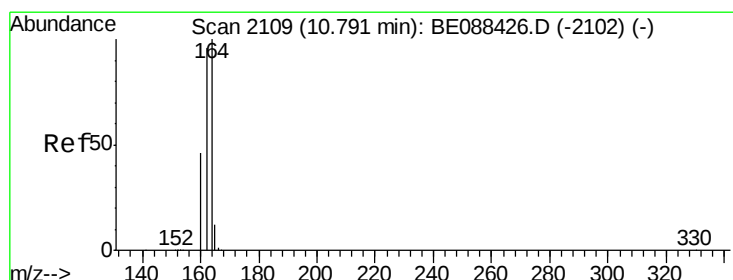
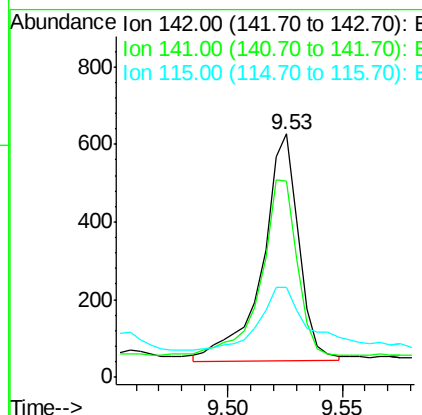
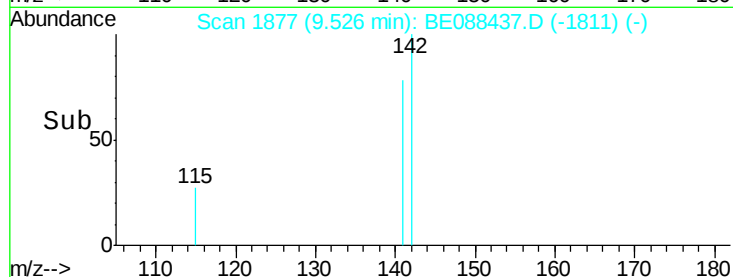
YS19-SS34-1014



Tgt Ion:	142	Resp:	656
Ion Ratio	Lower	Upper	
142	100		
141	80.4	65.8	98.8
115	37.2	24.2	36.4#

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#7

Acenaphthene-d10

Concen: 5.00 ng

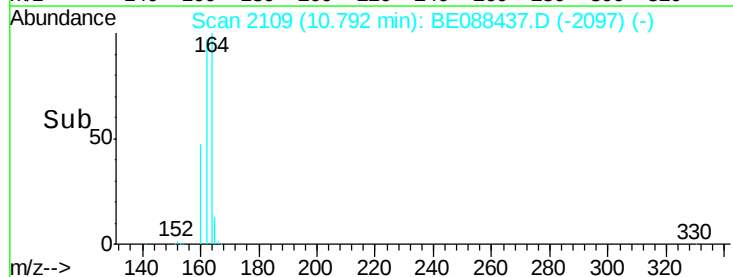
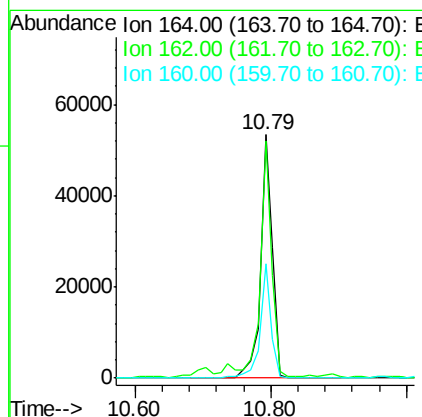
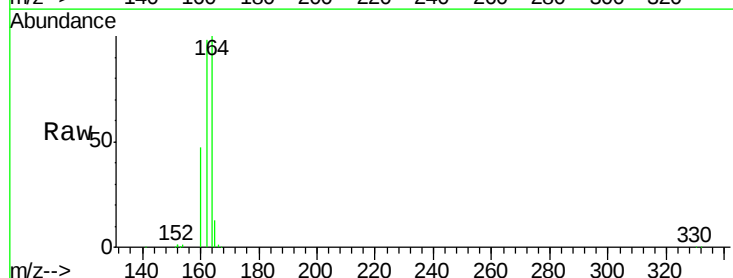
RT: 10.79 min Scan# 2109

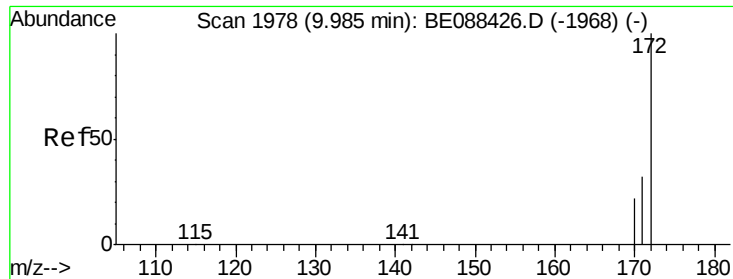
Delta R.T. 0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

Tgt Ion:	164	Resp:	65295
Ion Ratio	Lower	Upper	
164	100		
162	97.6	77.0	115.4
160	46.9	36.8	55.2





#8

2-Fluorobiphenyl

Concen: 40.24 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

Instrument :

BNA_E

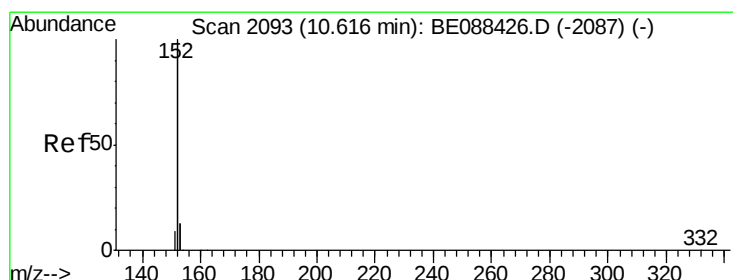
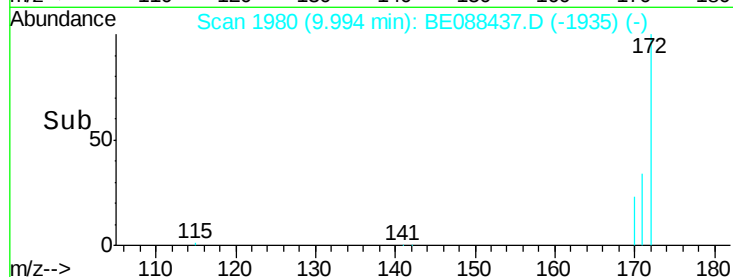
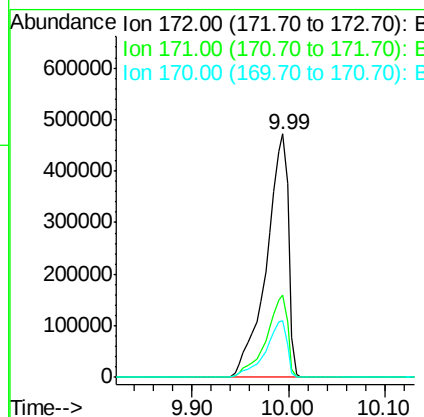
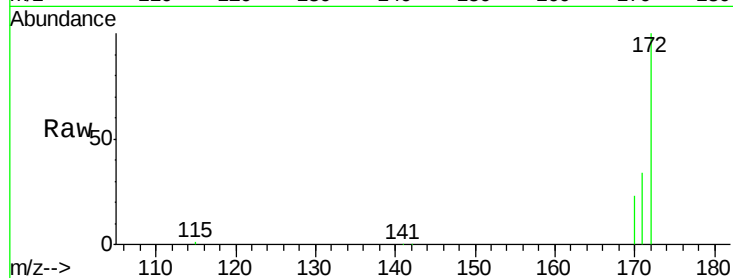
ClientSampleId :

YS19-SS34-1014

Tgt Ion:	172	Resp:	740530
Ion Ratio	Lower	Upper	
172	100		
171	33.6	26.0	39.0
170	23.1	17.6	26.4

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#9

Acenaphthylene

Concen: 0.05 ng

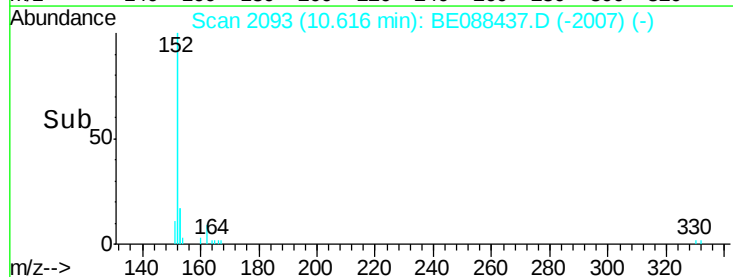
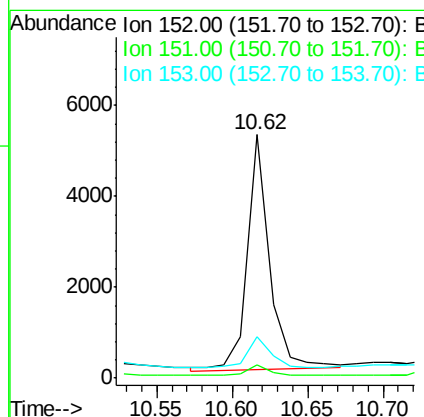
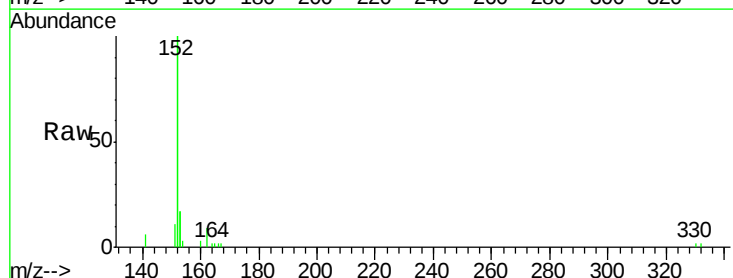
RT: 10.62 min Scan# 2093

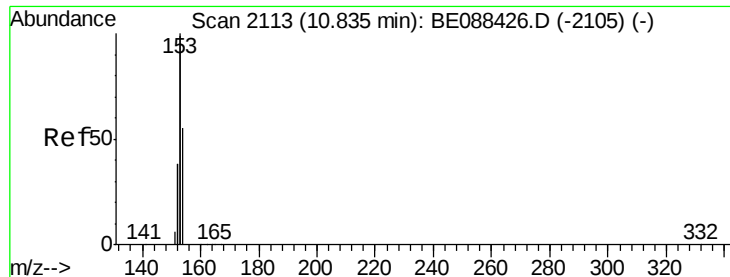
Delta R.T. 0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

Tgt Ion:	152	Resp:	5290
Ion Ratio	Lower	Upper	
152	100		
151	4.2	4.4	6.6#
153	16.0	10.5	15.7#





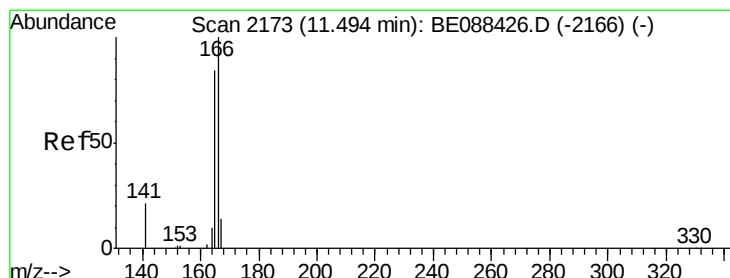
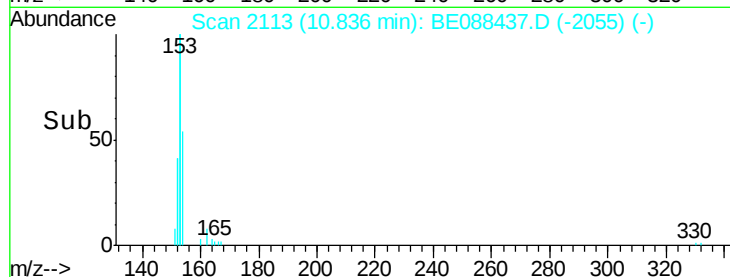
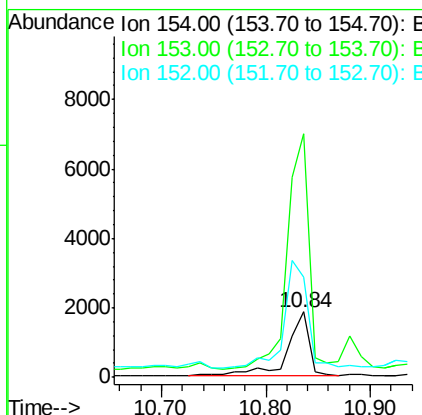
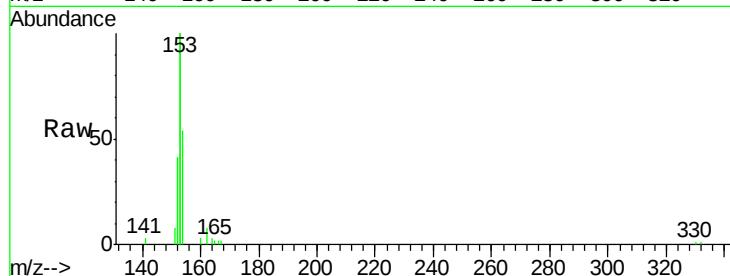
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Acenaphthene
Concen: 0.16 ng
RT: 10.84 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Instrument :
BNA_E
ClientSampleId :
YS19-SS34-1014

Tgt Ion	Ratio	Lower	Upper
154	100		
153	377.5	324.3	486.5
152	192.6	154.9	232.3

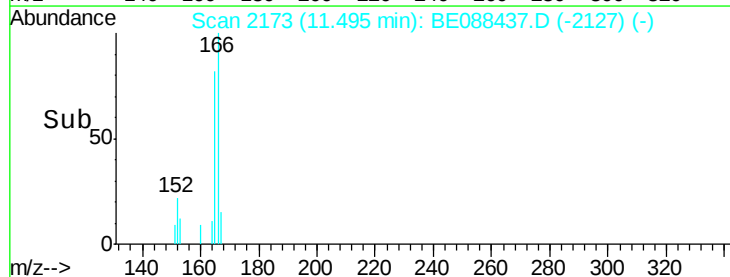
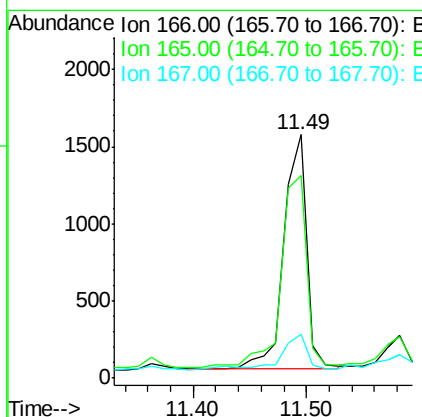
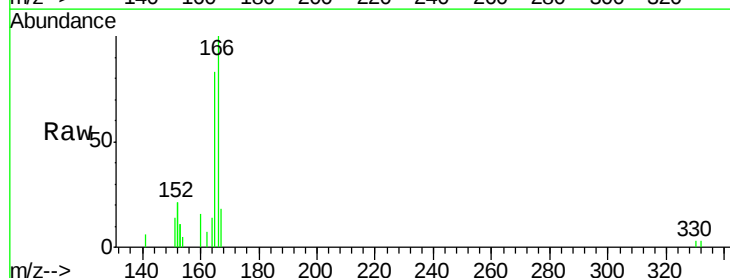
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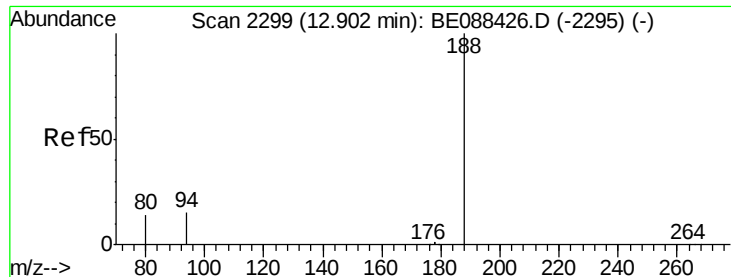
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#11
Fluorene
Concen: 0.13 ng
RT: 11.49 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.7	71.3	106.9
167	13.7	10.7	16.1





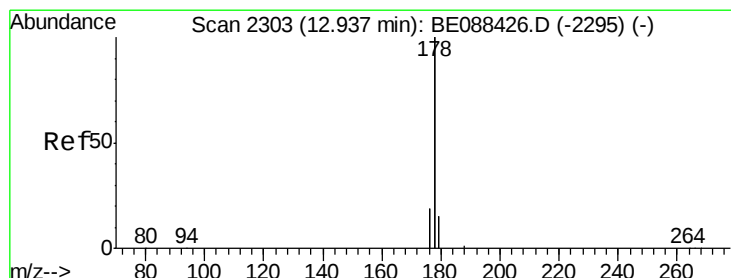
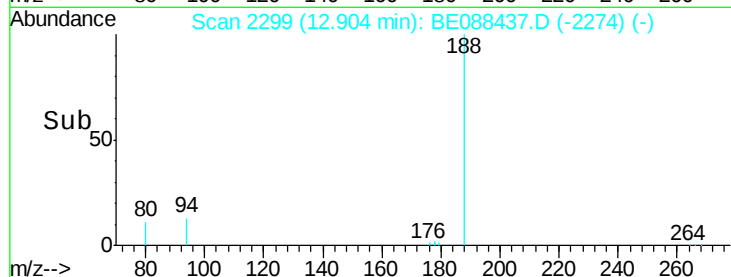
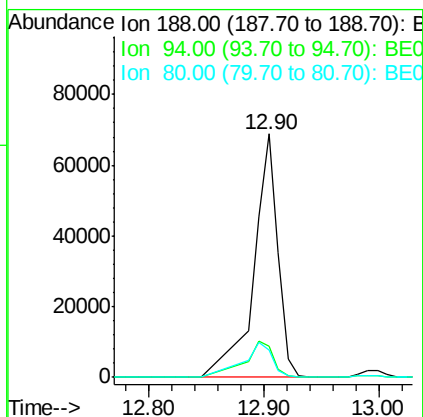
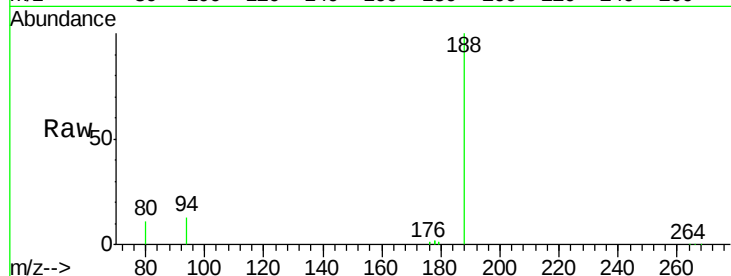
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	120054		
94	12.6		11.8	17.8
80	11.4		10.9	16.3

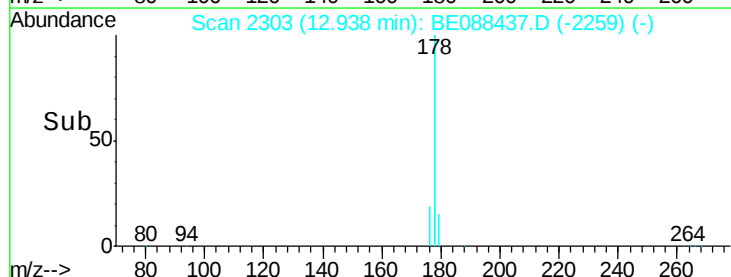
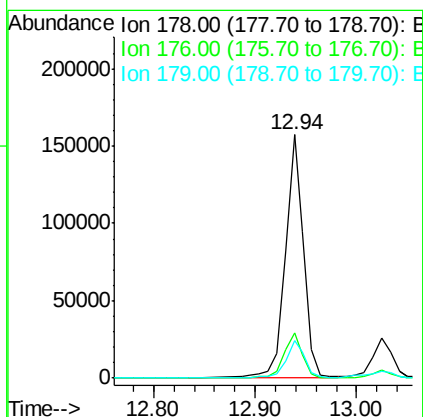
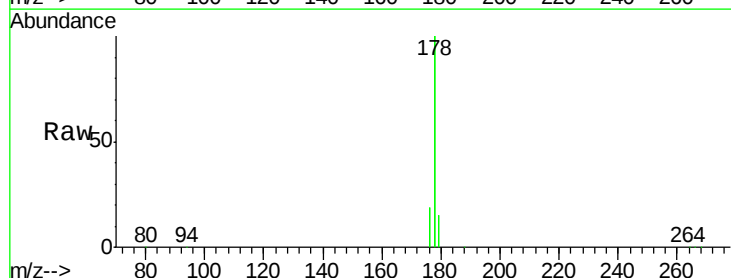
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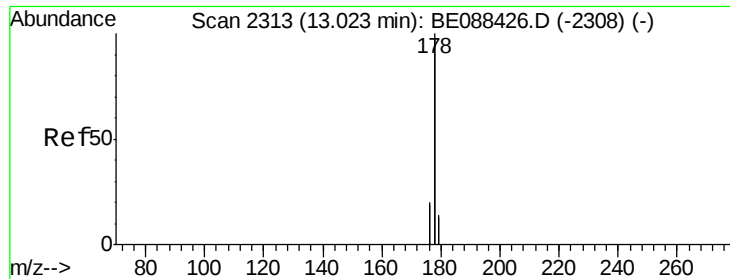
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#13
Phenanthrene
Concen: 2.38 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	259655		
176	19.3		15.4	23.2
179	16.6		12.8	19.2





#14

Anthracene

Concen: 0.40 ng m

RT: 13.02 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BE088437.D

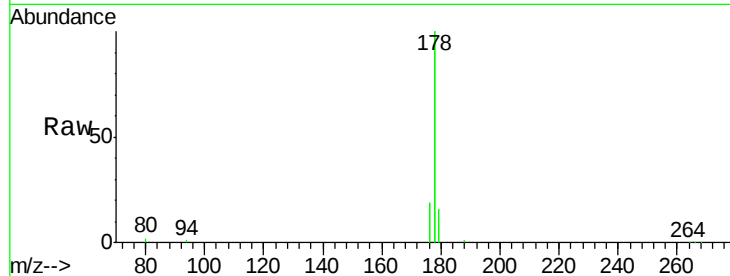
Acq: 1 Nov 2014 00:16

Instrument :

BNA_E

ClientSampleId :

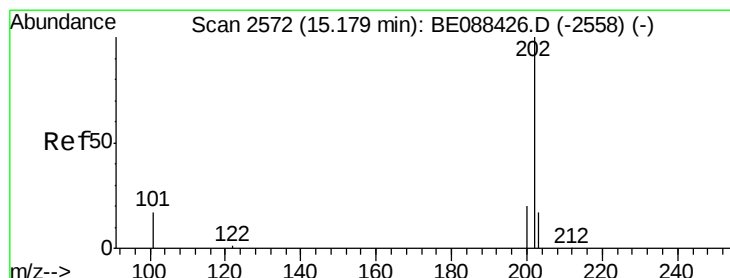
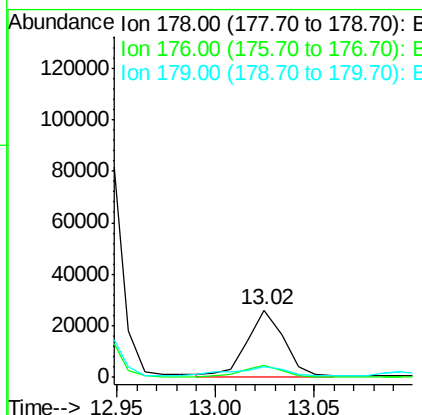
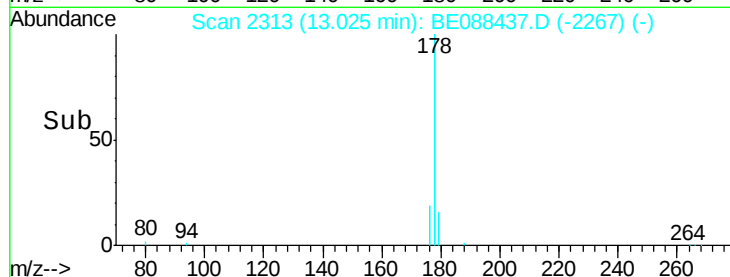
YS19-SS34-1014



Tgt Ion	Ratio	Lower	Upper
178	100		
176	143.4	15.0	22.4#
179	123.3	12.5	18.7#

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#15

Fluoranthene

Concen: 4.44 ng

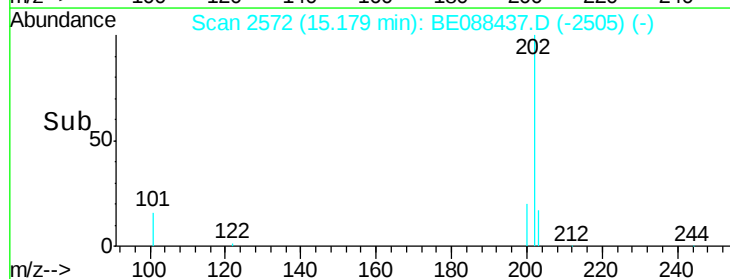
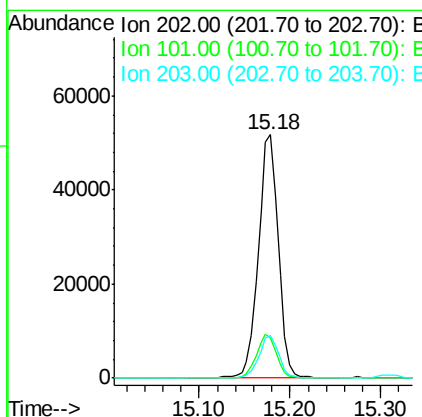
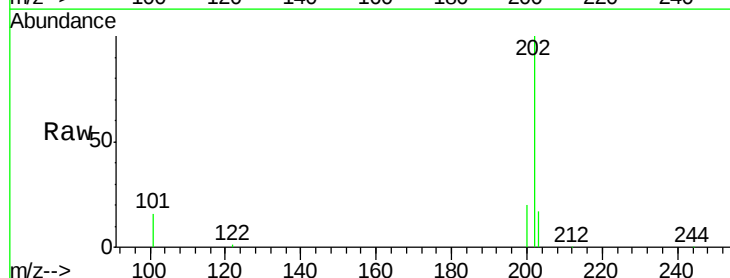
RT: 15.18 min Scan# 2572

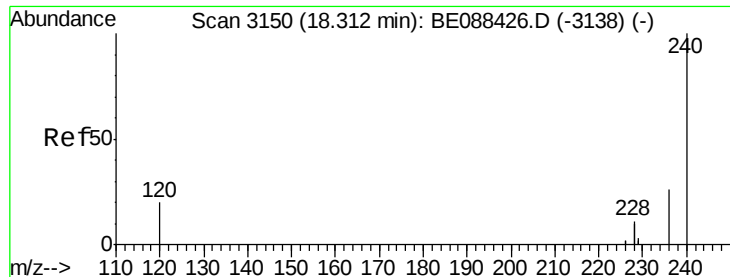
Delta R.T. -0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.3	21.5
203	17.0	13.6	20.4





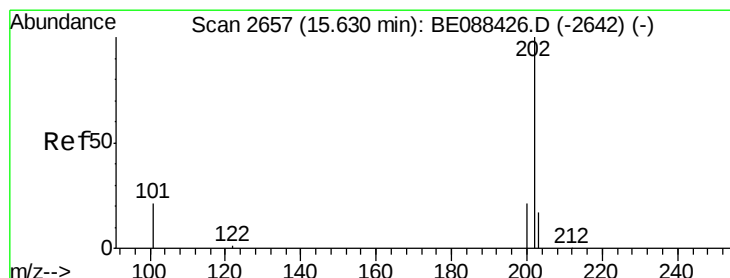
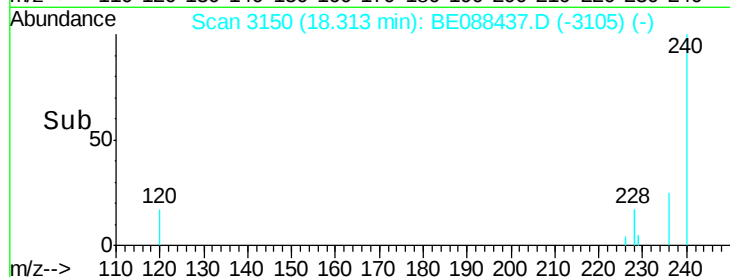
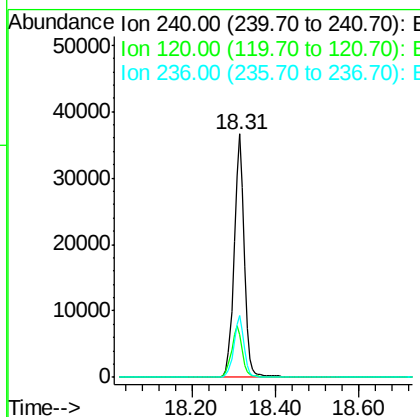
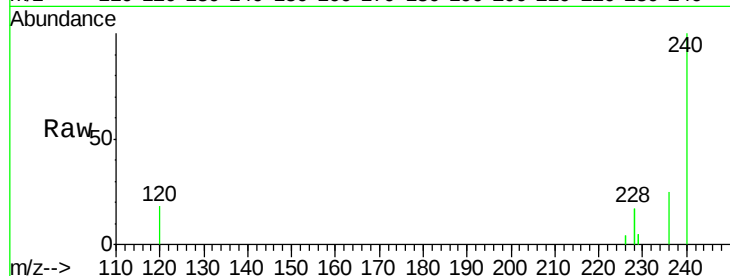
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Instrument :
BNA_E
ClientSampleId :
YS19-SS34-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	62139		
120	17.7	16.4	24.6	
236	25.2	20.5	30.7	

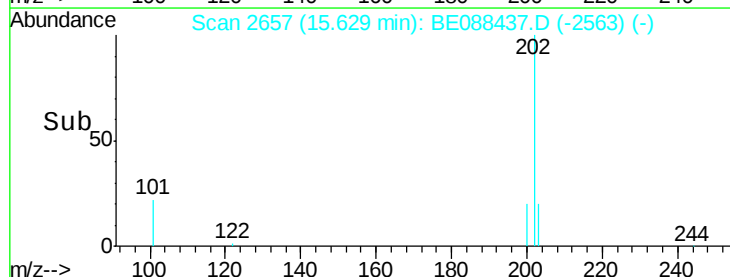
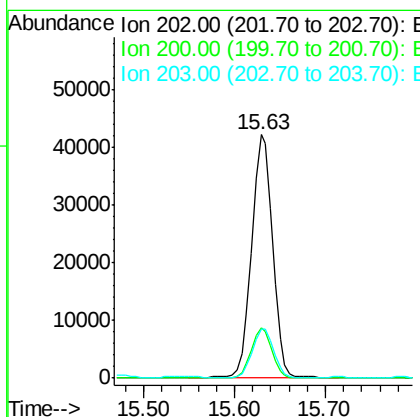
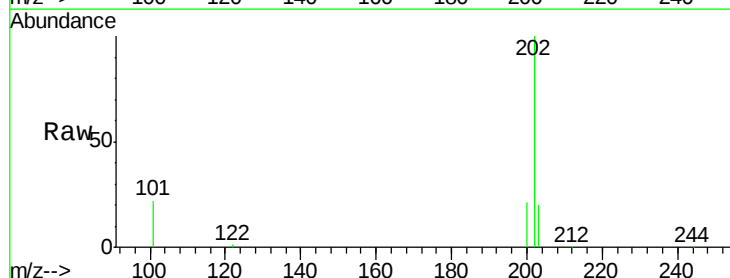
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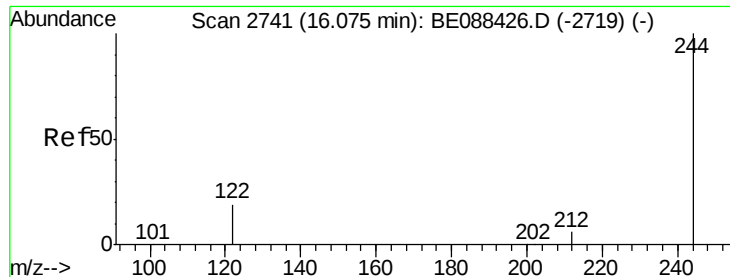
mohammad
11/4/2014 9:06:25 AM



#17
Pyrene
Concen: 3.33 ng
RT: 15.63 min Scan# 2657
Delta R.T. -0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	67473		
200	20.3	16.1	24.1	
203	20.1	13.8	20.8	





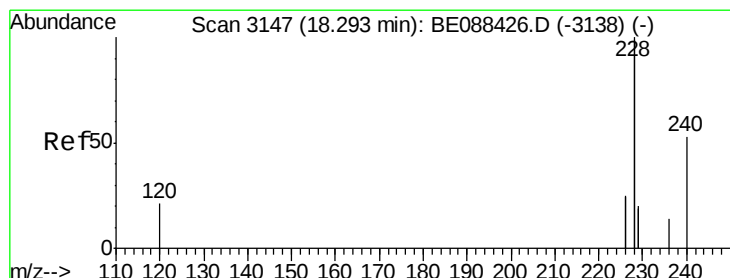
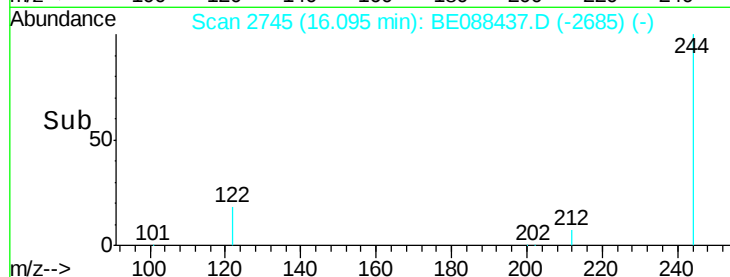
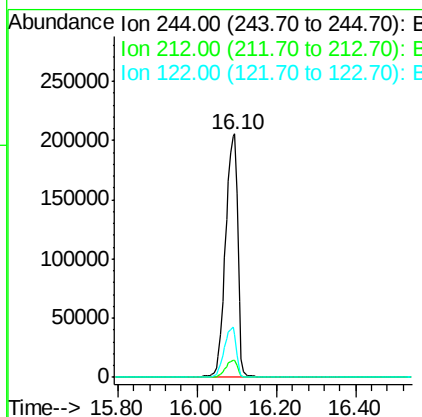
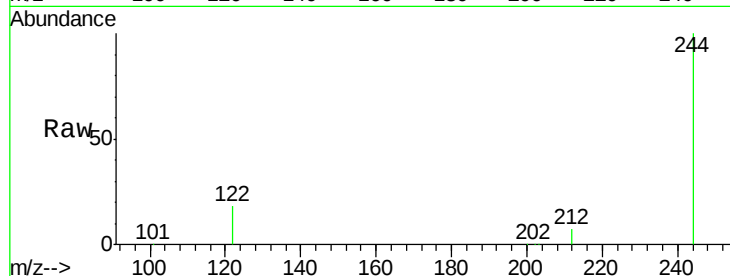
#18
 Terphenyl-d14
 Concen: 38.73 ng
 RT: 16.10 min Scan# 2745
 Delta R.T. 0.02 min
 Lab File: BE088437.D
 Acq: 1 Nov 2014 00:16

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS34-1014

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	17.7	15.6	23.4

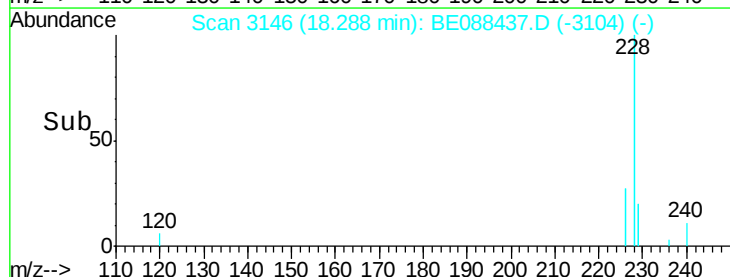
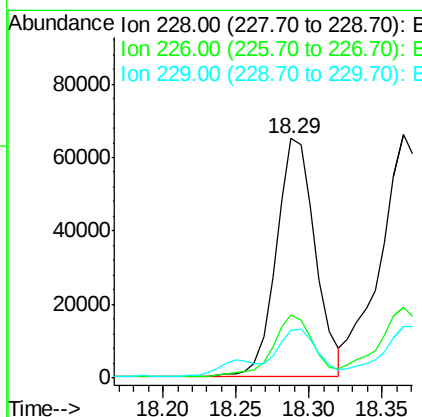
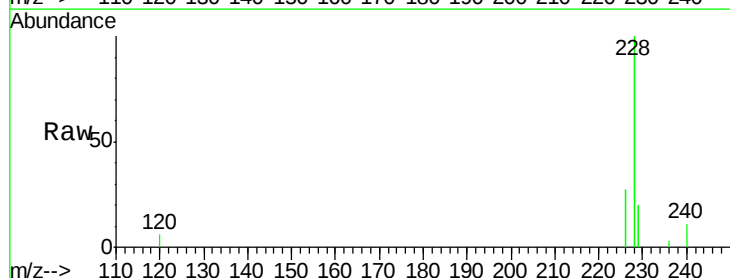
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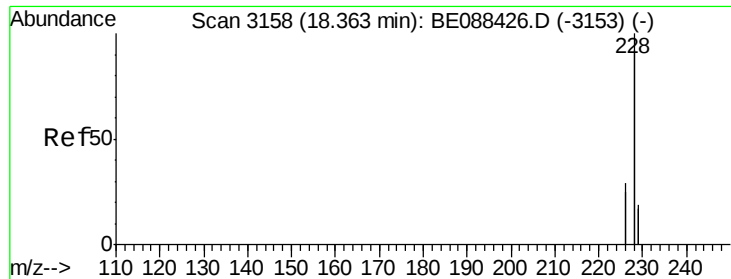
mohammad
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#19
 Benzo(a)anthracene
 Concen: 2.05 ng
 RT: 18.29 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BE088437.D
 Acq: 1 Nov 2014 00:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	19.8	29.6
229	20.0	16.0	24.0





#20

Chrysene

Concen: 2.39 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088437.D

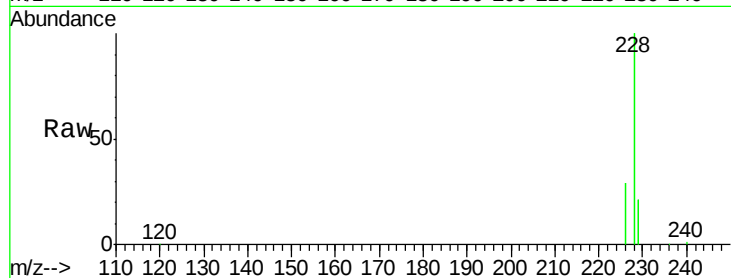
Acq: 1 Nov 2014 00:16

Instrument :

BNA_E

ClientSampleId :

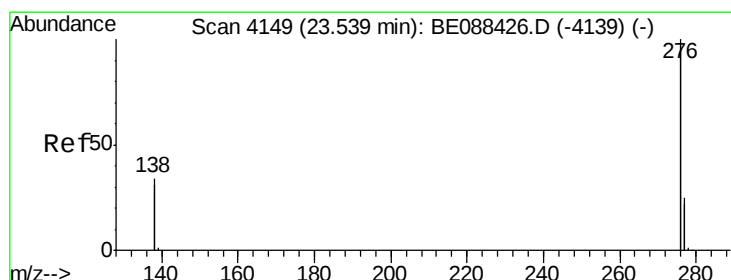
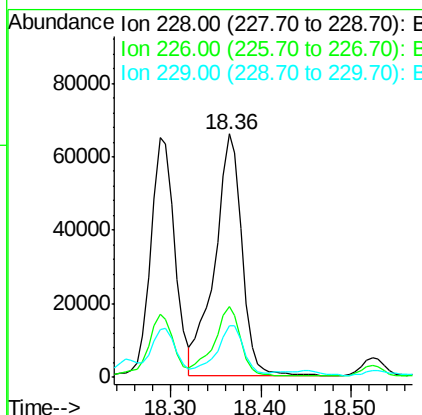
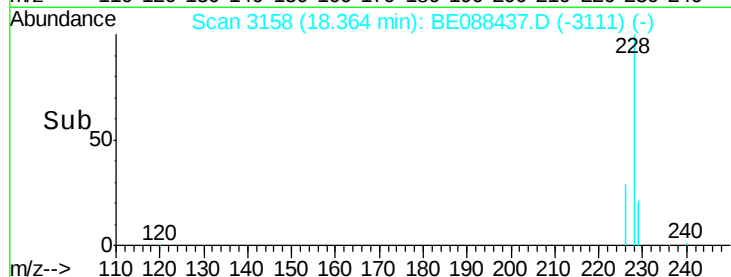
YS19-SS34-1014



Tgt Ion:	228	Resp:	137304
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.6	35.4
229	21.4	15.4	23.2

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.47 ng

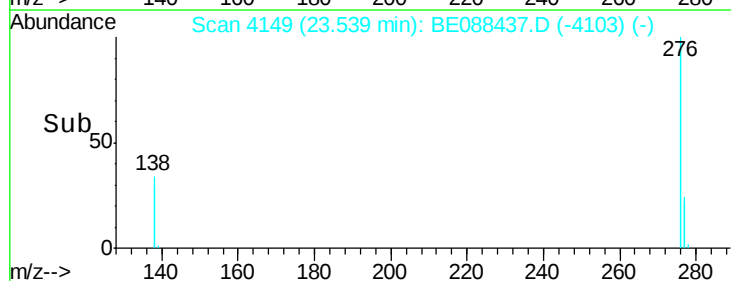
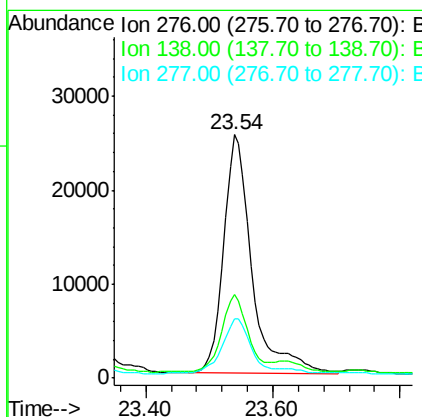
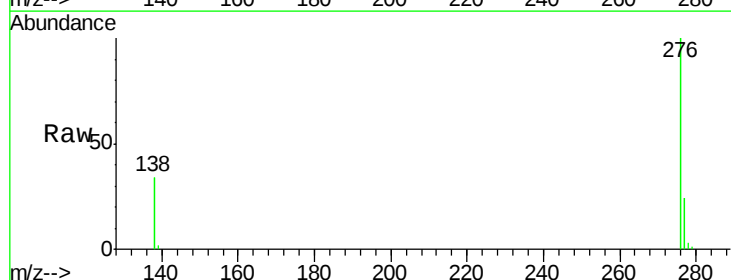
RT: 23.54 min Scan# 4149

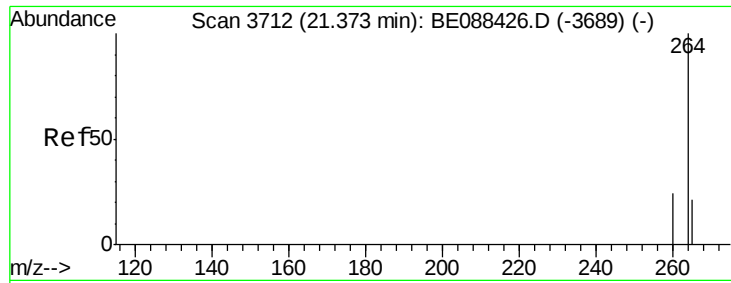
Delta R.T. 0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

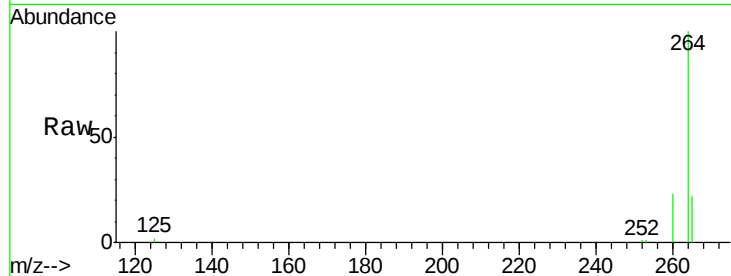
Tgt Ion:	276	Resp:	78465
Ion Ratio	Lower	Upper	
276	100		
138	30.1	20.2	30.2
277	22.3	14.8	22.2





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3712
 Delta R.T. 0.00 min
 Lab File: BE088437.D
 Acq: 1 Nov 2014 00:16

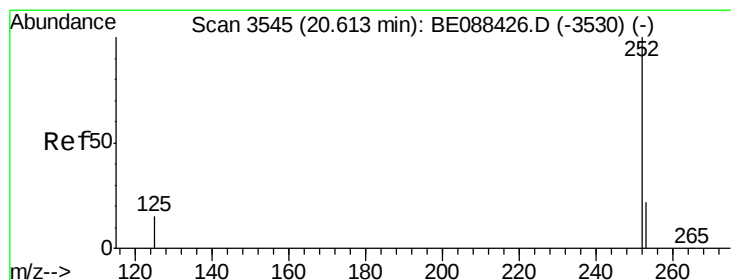
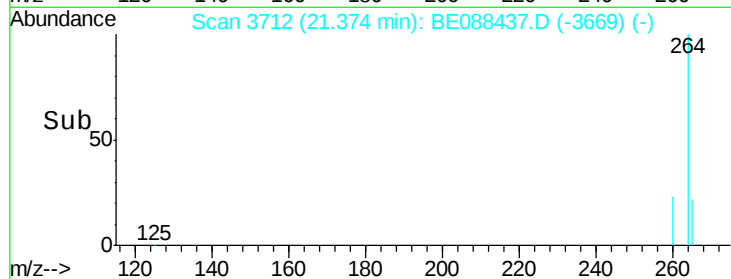
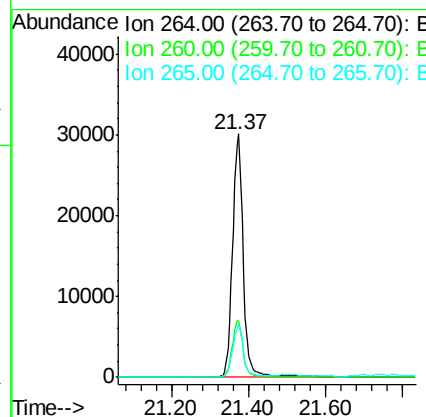
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS34-1014



Tgt Ion: 264 Resp: 57360
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.9 28.3
 265 21.7 17.2 25.8

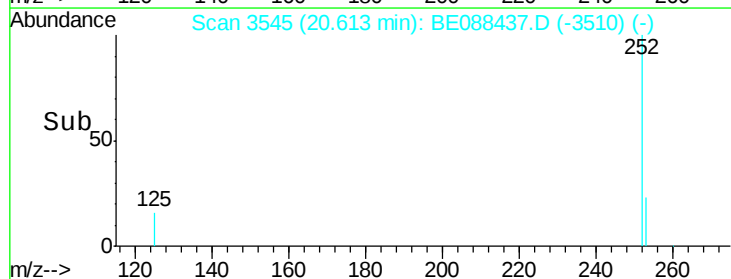
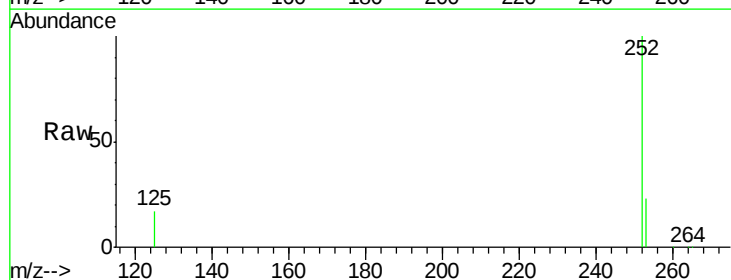
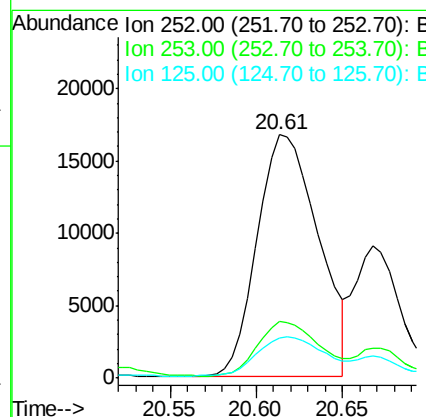
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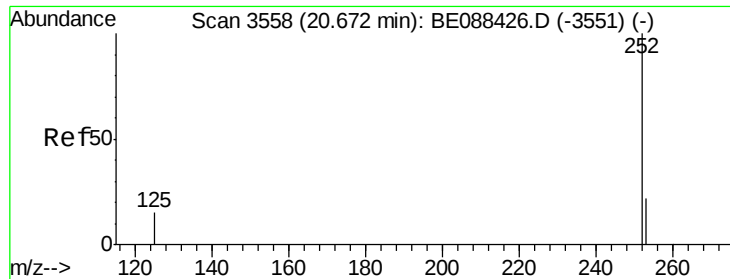
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#23
 Benzo(b)fluoranthene
 Concen: 3.27 ng
 RT: 20.61 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: BE088437.D
 Acq: 1 Nov 2014 00:16

Tgt Ion: 252 Resp: 41152
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.8
 125 16.6 12.3 18.5





#24

Benzo(k)fluoranthene

Concen: 1.14 ng

RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

Instrument :

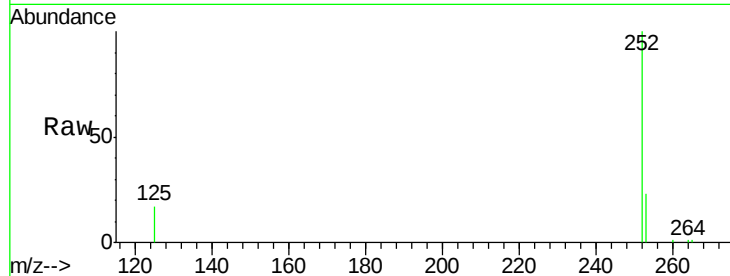
BNA_E

ClientSampleId :

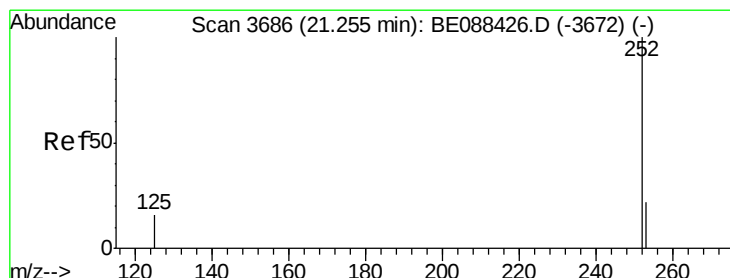
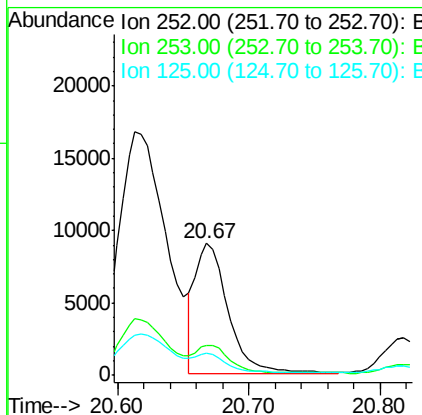
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	16.7	12.2	18.4



#25

Benzo(a)pyrene

Concen: 2.18 ng

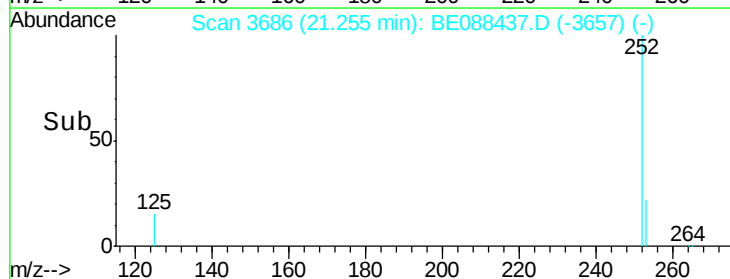
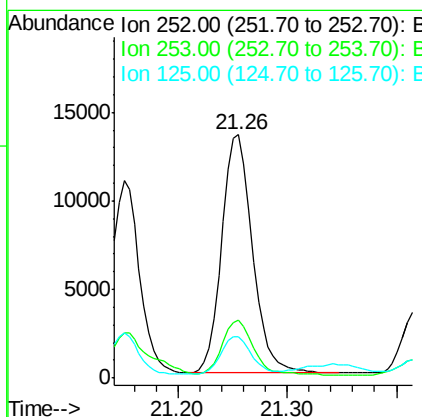
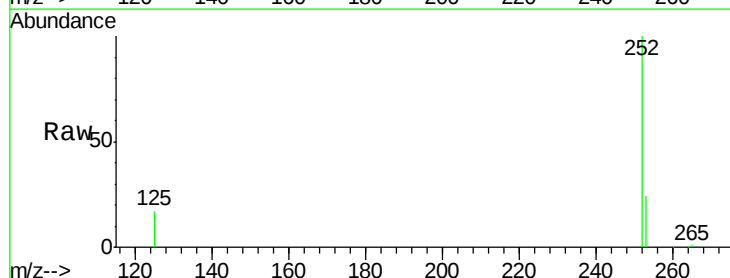
RT: 21.26 min Scan# 3686

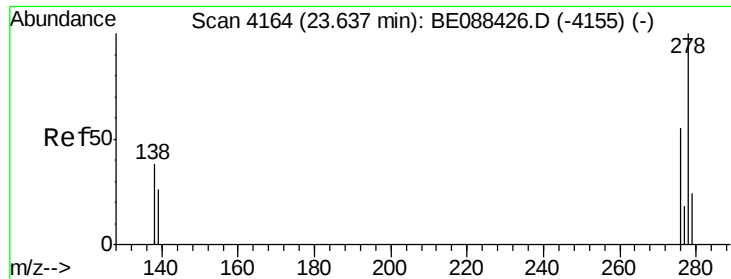
Delta R.T. 0.00 min

Lab File: BE088437.D

Acq: 1 Nov 2014 00:16

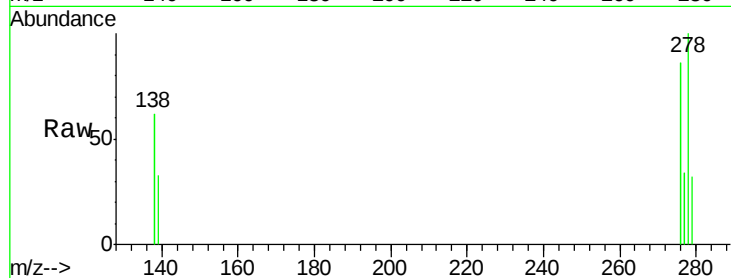
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	17.1	13.7	20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 23.63 min Scan# 4163
Delta R.T. -0.01 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

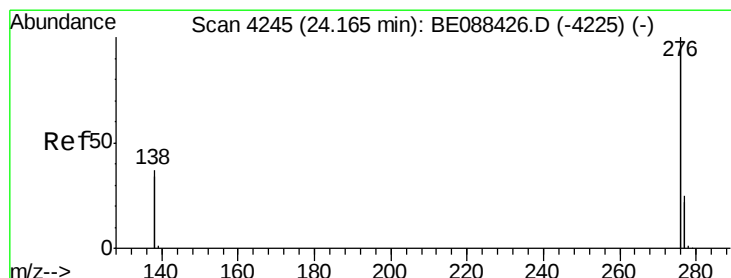
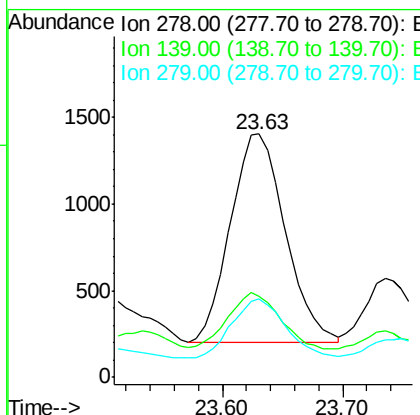
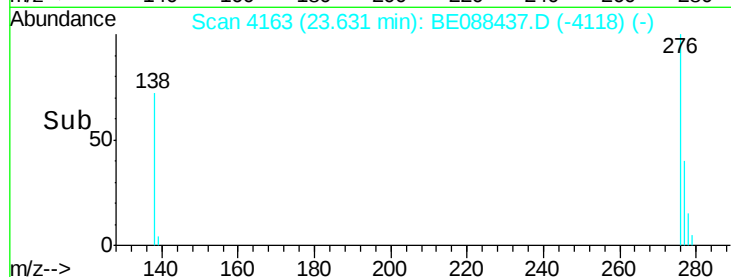
Instrument :
BNA_E
ClientSampleId :
YS19-SS34-1014



Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.1	22.1	33.1
279	32.2	19.7	29.5

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#27
Benzo(g,h,i)perylene
Concen: 1.46 ng
RT: 24.17 min Scan# 4245
Delta R.T. 0.00 min
Lab File: BE088437.D
Acq: 1 Nov 2014 00:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.6
138	36.1	29.3	43.9

