

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088464.D
 Acq On : 1 Nov 2014 22:36
 Operator : TP/JJ
 Sample : F4312-10RE
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS27P-1014RE

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:07:51 AM

Quant Time: Nov 02 05:09:09 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	37947	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	141188	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	66514	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	138944	5.00	ng	0.00
16) Chrysene-d12	18.33	240	82502	5.00	ng	0.02
22) Perylene-d12	21.40	264	81474	5.00	ng	0.02
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	645738	62.36	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	718920	38.35	ng	0.01
18) Terphenyl-d14	16.11	244	562961	37.14	ng	0.04
Target Compounds						Qvalue
5) Naphthalene	8.68	128	1084	0.04	ng	# 88
10) Acenaphthene	10.84	154	2352	0.15	ng	82
11) Fluorene	11.50	166	1858	0.11	ng	96
13) Phenanthrene	12.95	178	221209	1.75	ng	99
14) Anthracene	13.03	178	37399m	0.37	ng	
15) Fluoranthene	15.19	202	64313	3.14	ng	99
17) Pyrene	15.64	202	53698	2.00	ng	97
19) Benzo(a)anthracene	18.31	228	110336	1.42	ng	98
20) Chrysene	18.38	228	107065	1.40	ng	98
21) Indeno(1,2,3-cd)pyrene	23.59	276	80998m	1.14	ng	
23) Benzo(b)fluoranthene	20.64	252	38716	2.17	ng	96
24) Benzo(k)fluoranthene	20.69	252	14428m	0.73	ng	
25) Benzo(a)pyrene	21.28	252	25906	1.51	ng	97
26) Dibenzo(a,h)anthracene	23.66	278	4112	0.26	ng	# 76
27) Benzo(g,h,i)perylene	24.21	276	78052	1.07	ng	99

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

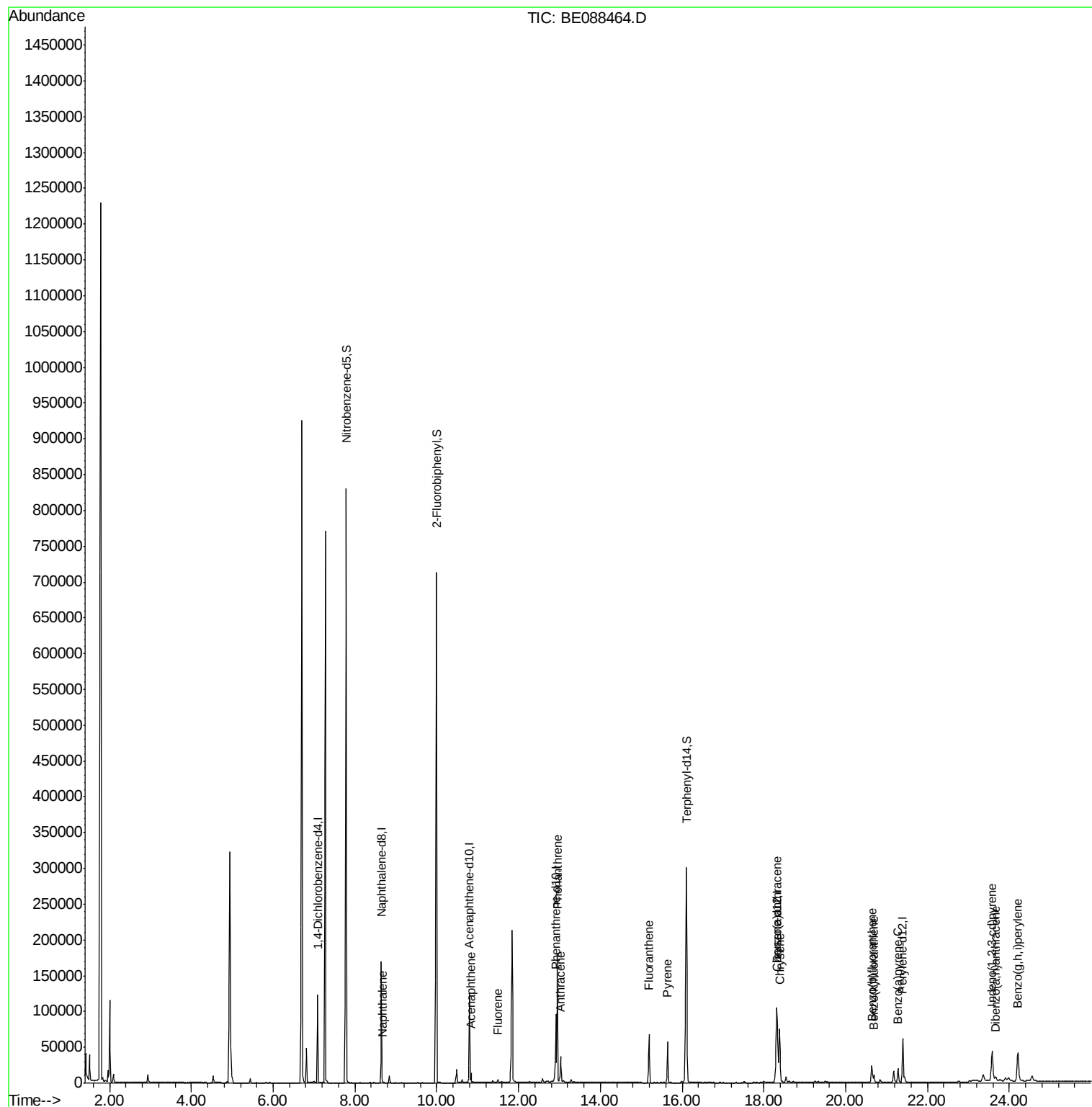
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088464.D
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Misc :
ALS Vial : 39 Sample Multiplier: 1

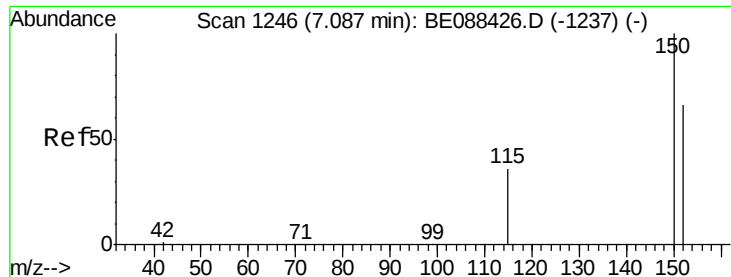
Instrument :
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YS19-SS27P-1014RE

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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: BE088464.D

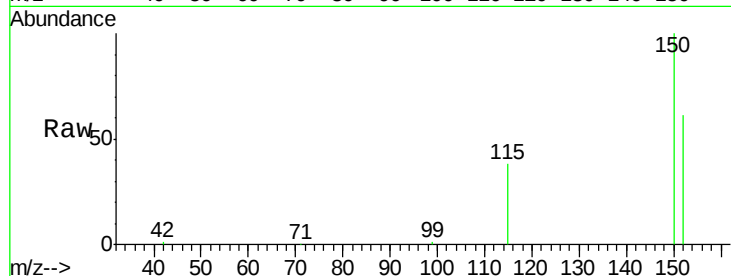
Acq: 1 Nov 2014 22:36

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 37947

Ion Ratio Lower Upper

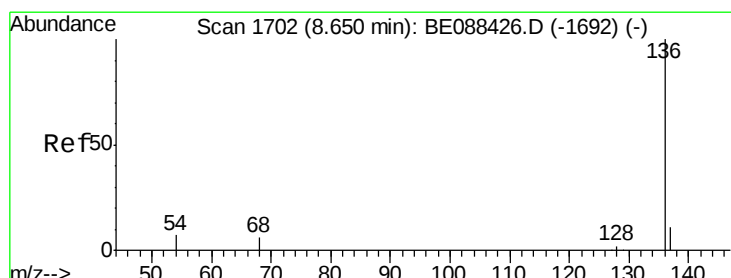
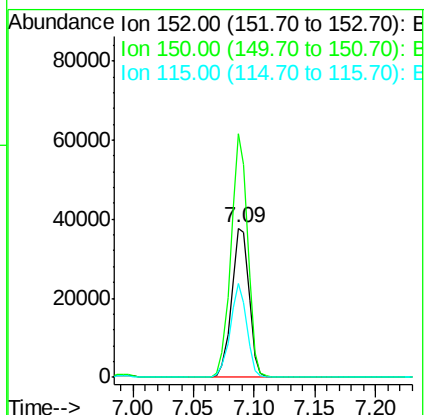
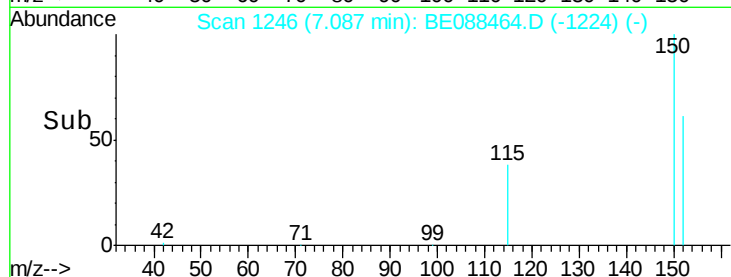
152 100

150 163.5 121.8 182.8

115 62.9 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: BE088464.D

Acq: 1 Nov 2014 22:36

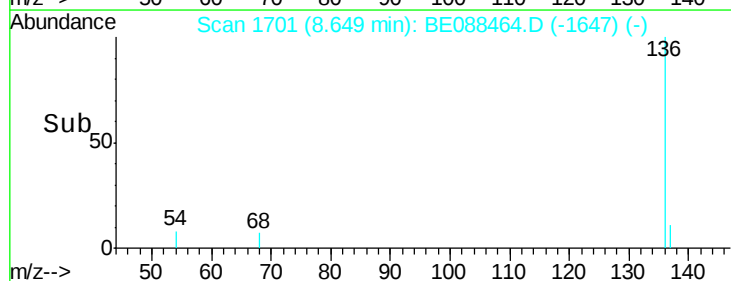
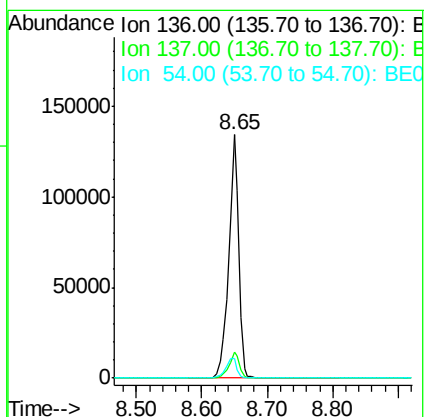
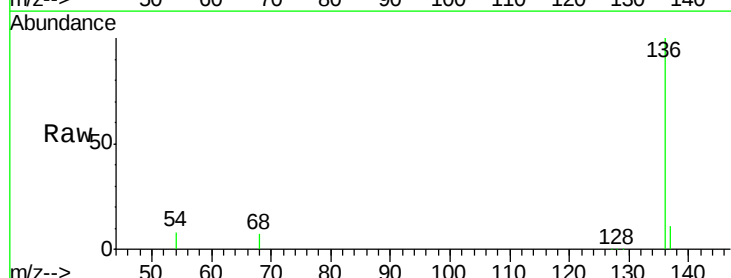
Tgt Ion:136 Resp: 141188

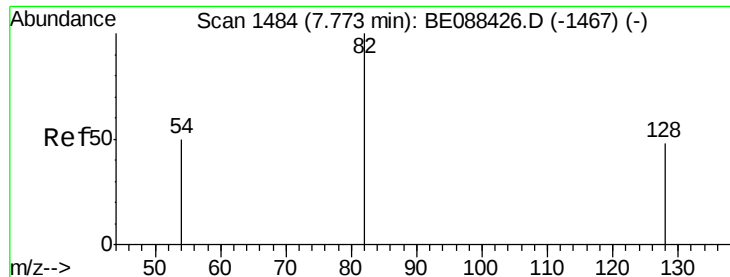
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.0 5.3 7.9#





#4

Nitrobenzene-d5

Concen: 62.36 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088464.D

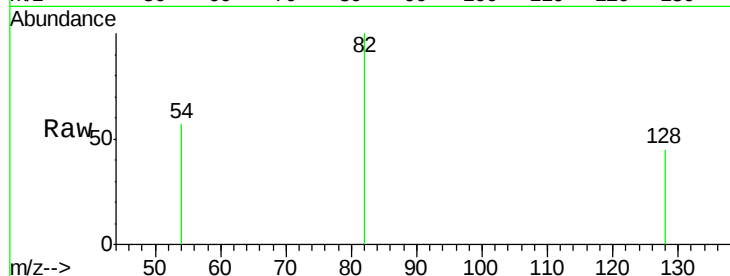
Acq: 1 Nov 2014 22:36

Instrument :

BNA_E

ClientSampleId :

YS19-SS27P-1014RE



Tgt Ion: 82 Resp: 645738

Ion Ratio Lower Upper

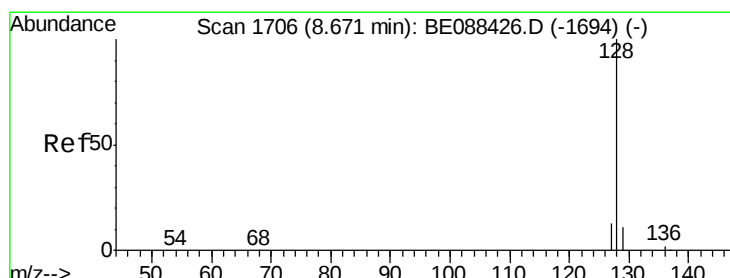
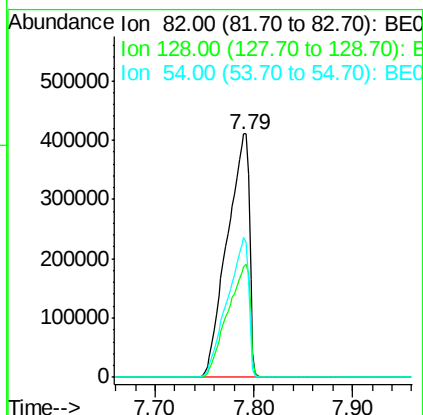
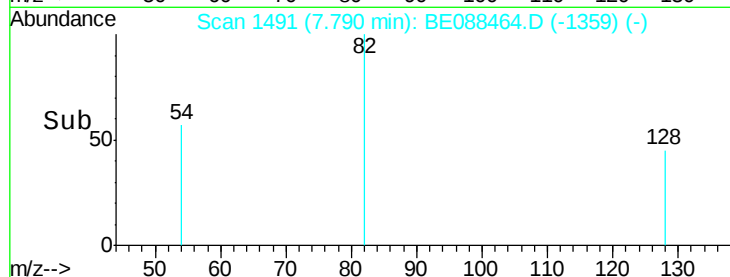
82 100

128 45.2 38.4 57.6

54 57.3 40.2 60.2

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#5

Naphthalene

Concen: 0.04 ng

RT: 8.68 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

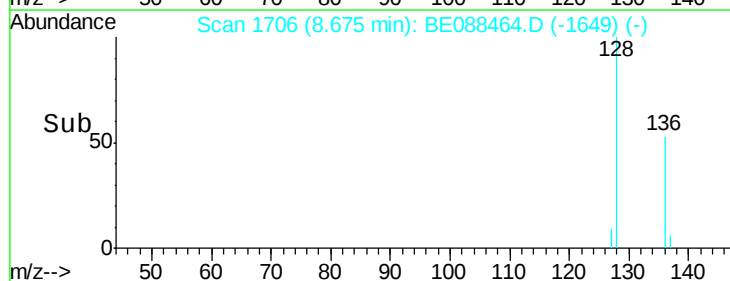
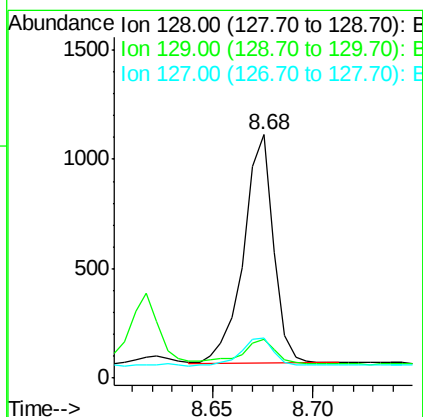
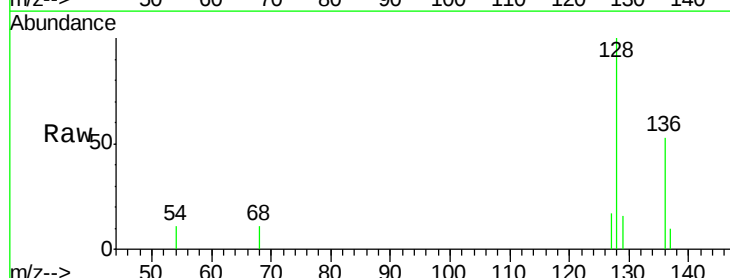
Tgt Ion: 128 Resp: 1084

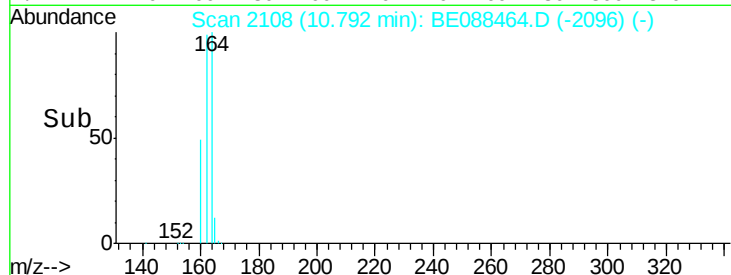
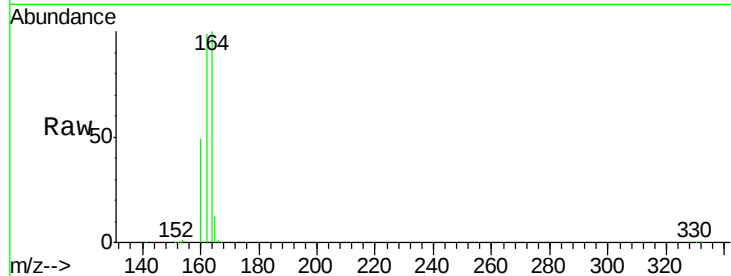
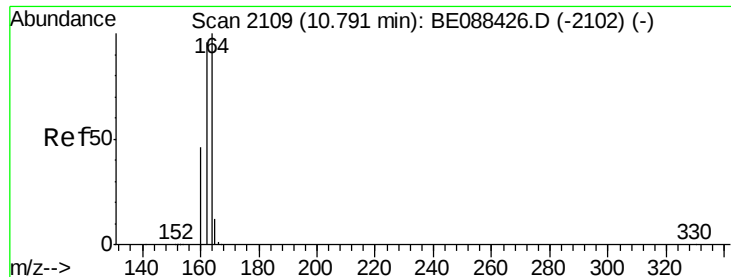
Ion Ratio Lower Upper

128 100

129 16.1 8.6 12.8#

127 16.6 10.1 15.1#





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

Instrument :

BNA_E

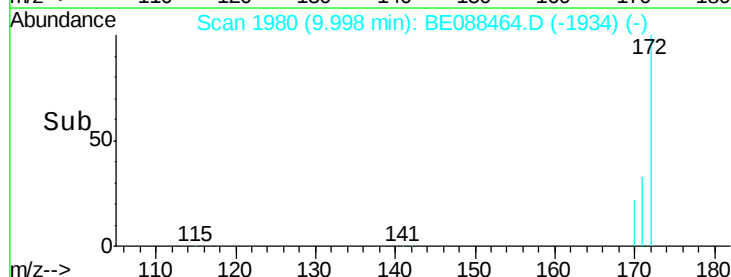
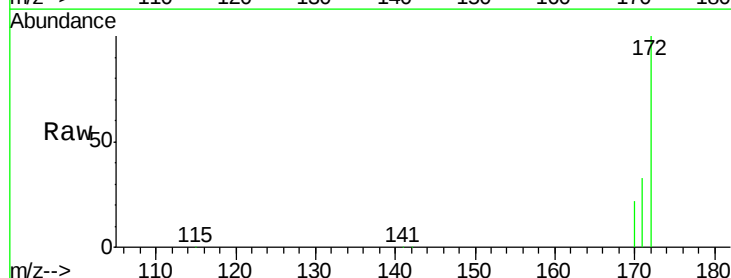
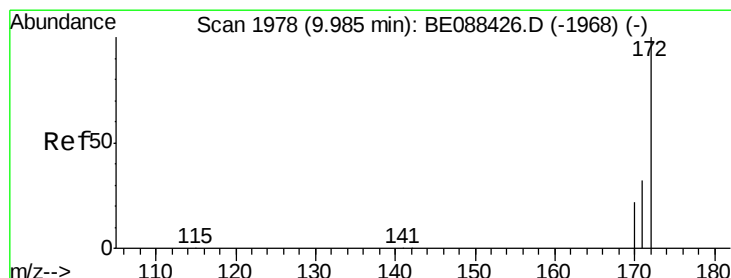
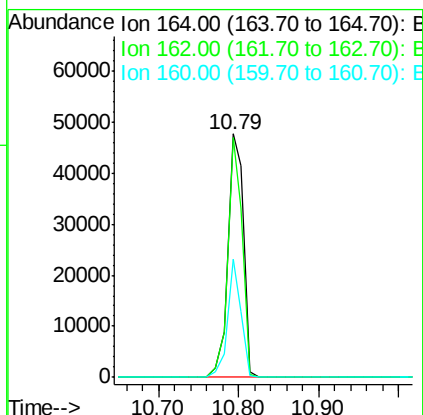
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Tgt Ion:	164	Resp:	66514
Ion Ratio	Lower	Upper	
164	100		
162	98.7	77.0	115.4
160	48.8	36.8	55.2



#8

2-Fluorobiphenyl

Concen: 38.35 ng

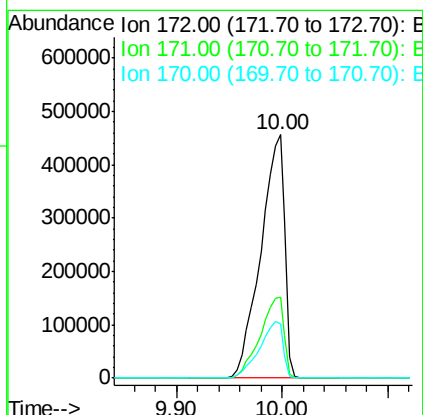
RT: 10.00 min Scan# 1980

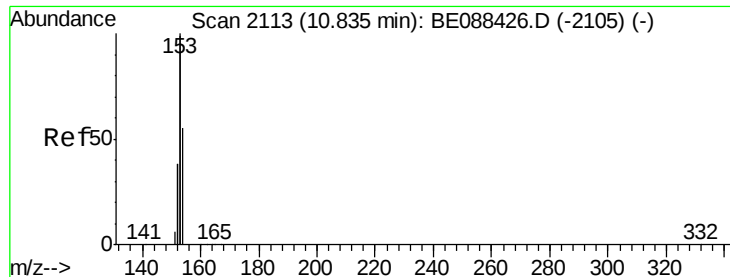
Delta R.T. 0.01 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

Tgt Ion:	172	Resp:	718920
Ion Ratio	Lower	Upper	
172	100		
171	33.3	26.0	39.0
170	22.4	17.6	26.4





#10

Acenaphthene

Concen: 0.15 ng

RT: 10.84 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

Instrument :

BNA_E

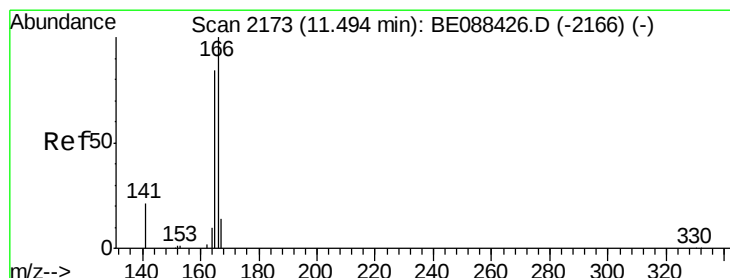
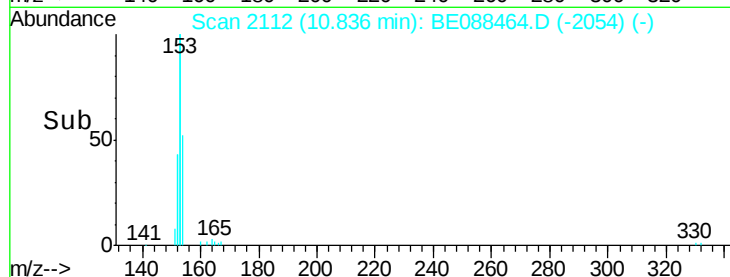
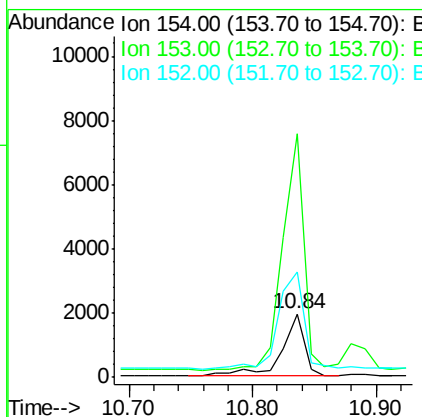
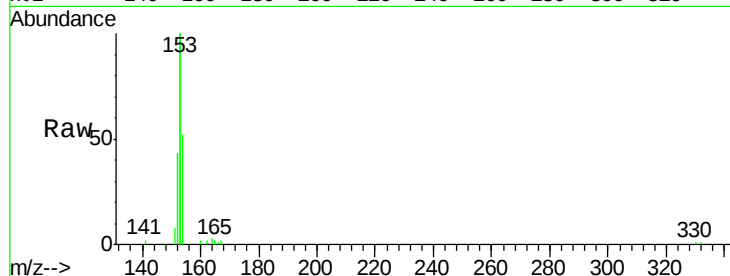
ClientSampleId :

YS19-SS27P-1014RE

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Tgt Ion:	154	Resp:	2352
Ion Ratio	Lower	Upper	
154	100		
153	362.9	324.3	486.5
152	221.2	154.9	232.3



#11

Fluorene

Concen: 0.11 ng

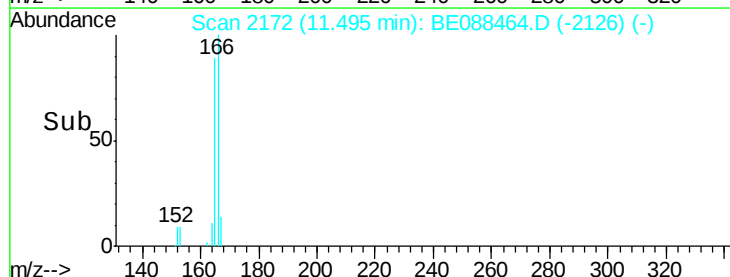
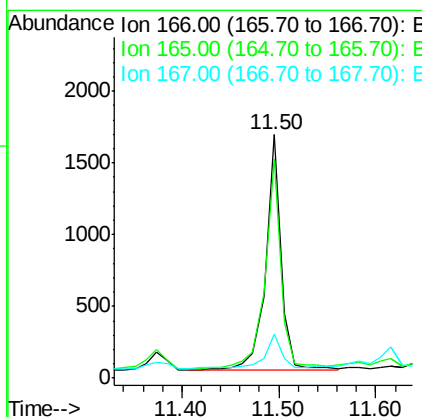
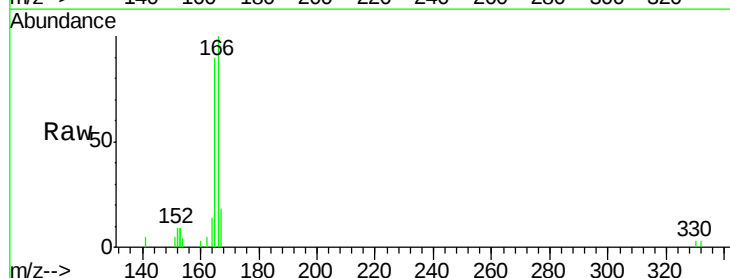
RT: 11.50 min Scan# 2172

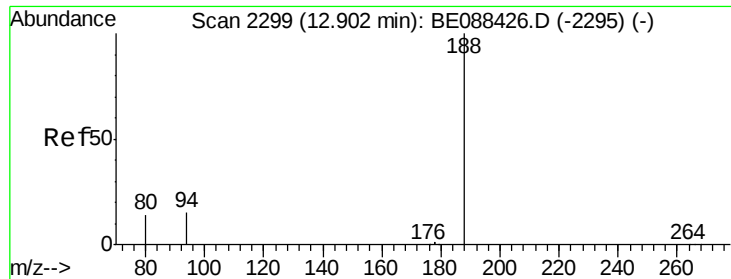
Delta R.T. 0.00 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

Tgt Ion:	166	Resp:	1858
Ion Ratio	Lower	Upper	
166	100		
165	92.9	71.3	106.9
167	15.2	10.7	16.1





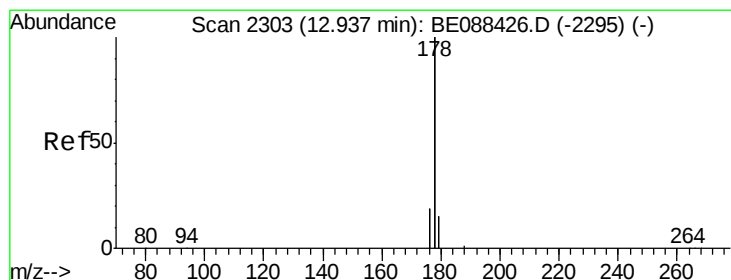
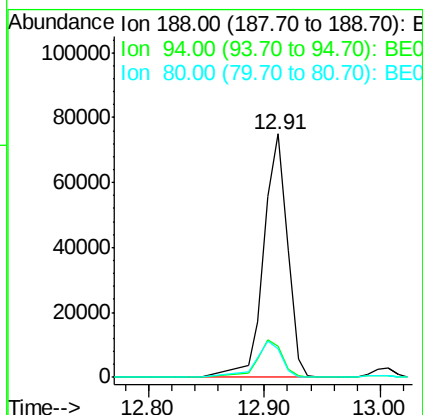
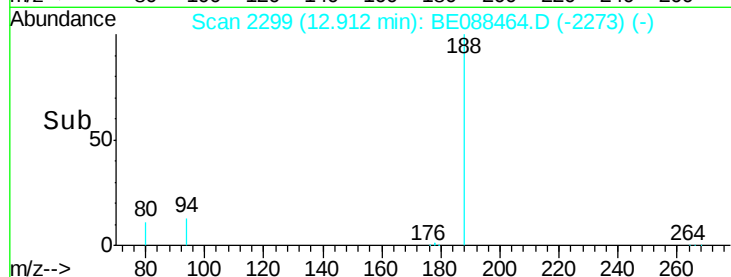
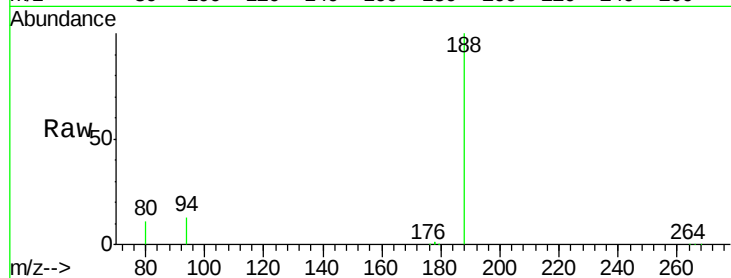
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	11.8	17.8
80	11.5	10.9	16.3

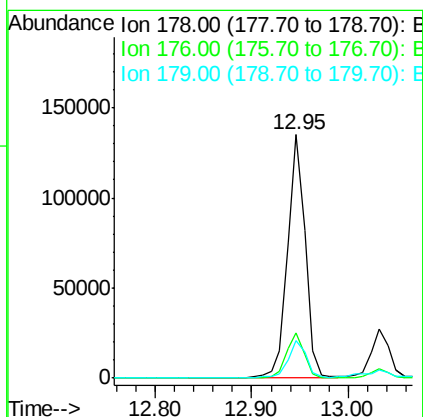
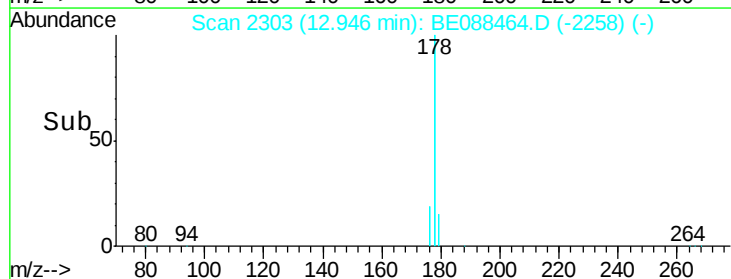
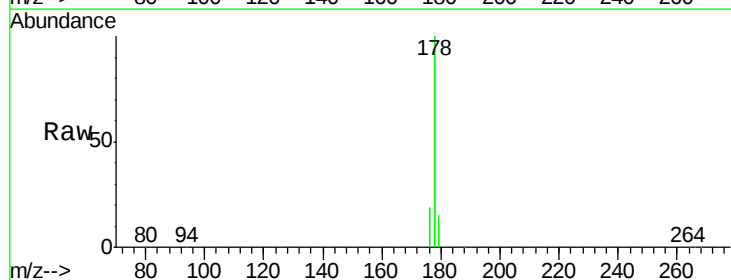
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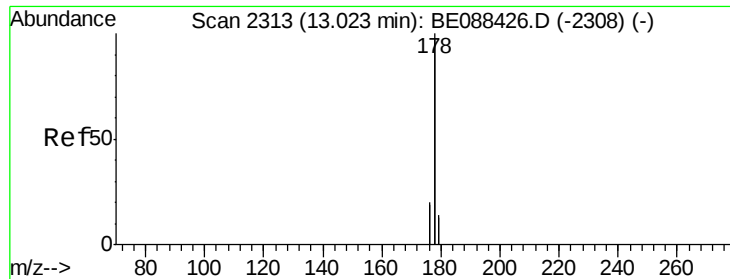
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#13
Phenanthrene
Concen: 1.75 ng
RT: 12.95 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.8	12.8	19.2





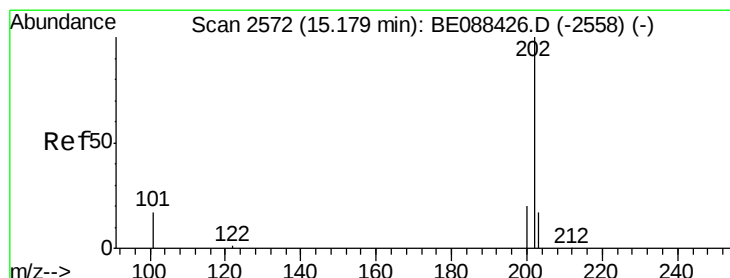
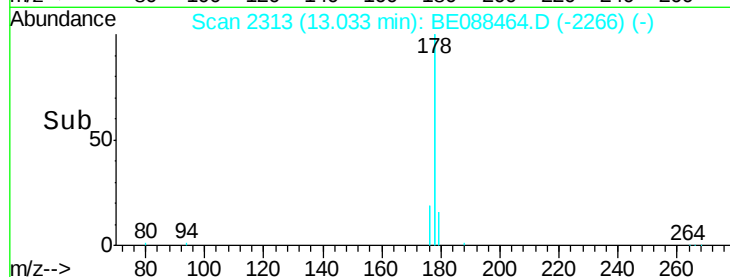
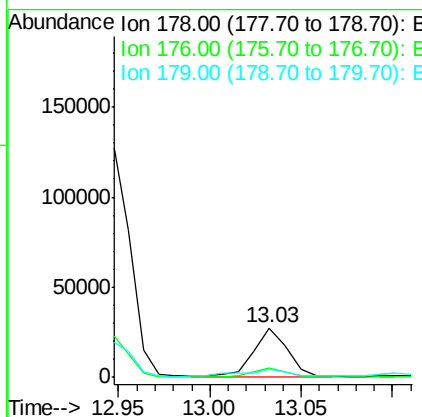
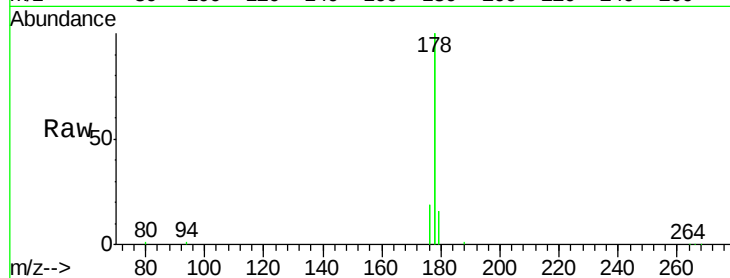
#14
 Anthracene
 Concen: 0.37 ng m
 RT: 13.03 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BE088464.D
 Acq: 1 Nov 2014 22:36

Instrument :
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	114.0	15.0	22.4#
179	99.5	12.5	18.7#

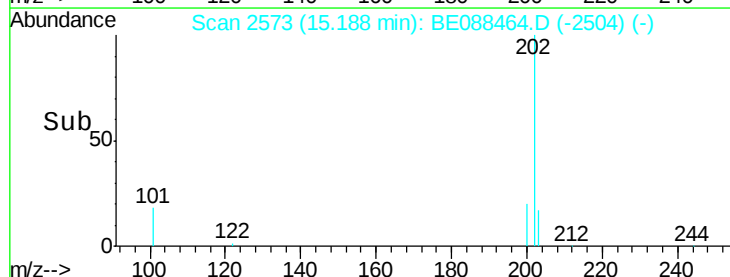
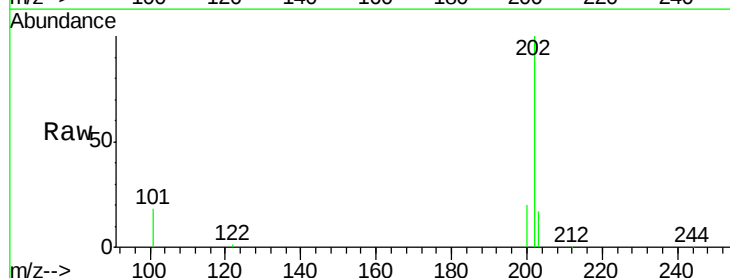
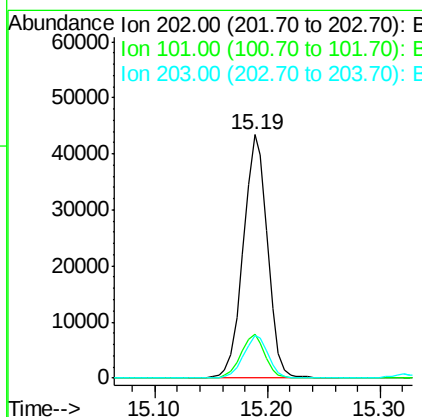
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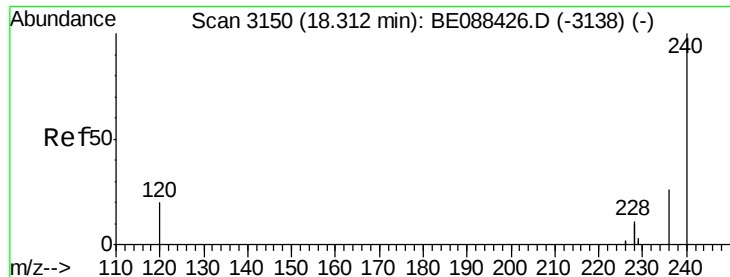
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#15
 Fluoranthene
 Concen: 3.14 ng
 RT: 15.19 min Scan# 2573
 Delta R.T. 0.01 min
 Lab File: BE088464.D
 Acq: 1 Nov 2014 22:36

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





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.33 min Scan# 3152

Delta R.T. 0.02 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

Instrument :

BNA_E

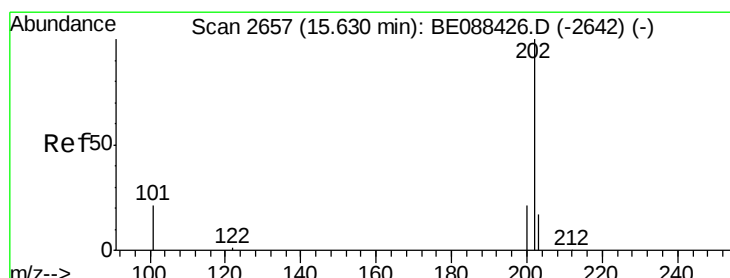
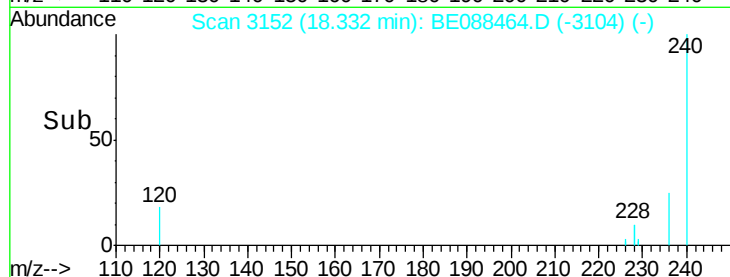
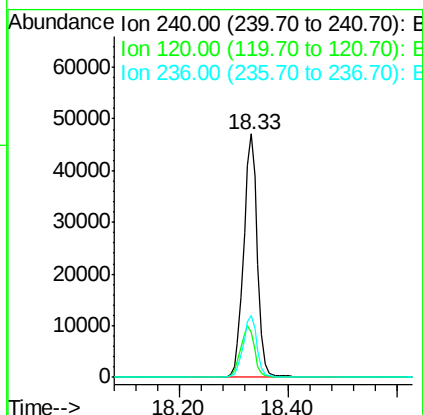
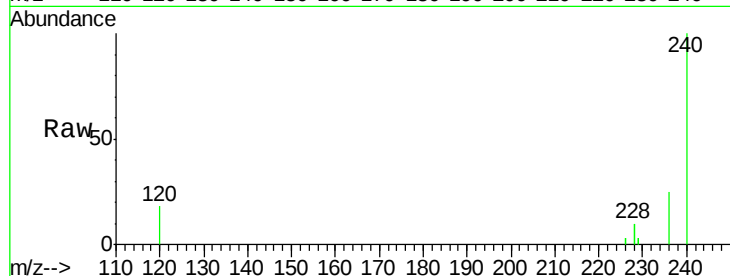
ClientSampleId :

YS19-SS27P-1014RE

Tgt Ion:	240	Resp:	82502
Ion Ratio	Lower	Upper	
240	100		
120	18.5	16.4	24.6
236	25.3	20.5	30.7

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#17

Pyrene

Concen: 2.00 ng

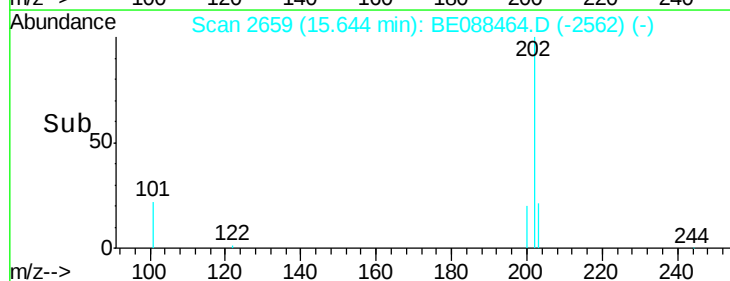
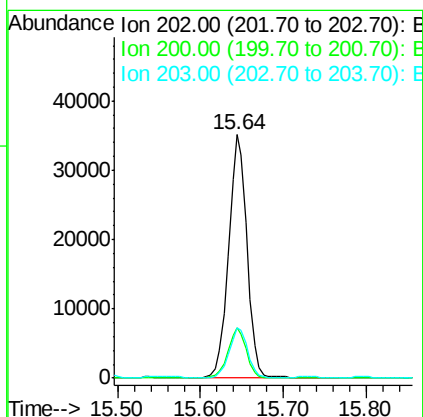
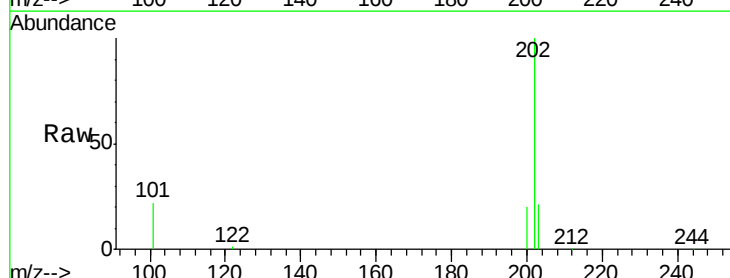
RT: 15.64 min Scan# 2659

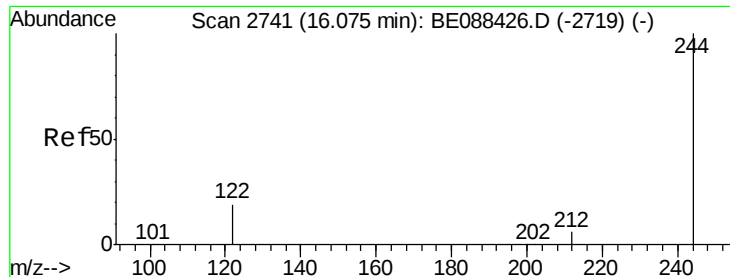
Delta R.T. 0.01 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

Tgt Ion:	202	Resp:	53698
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.1	24.1
203	20.4	13.8	20.8





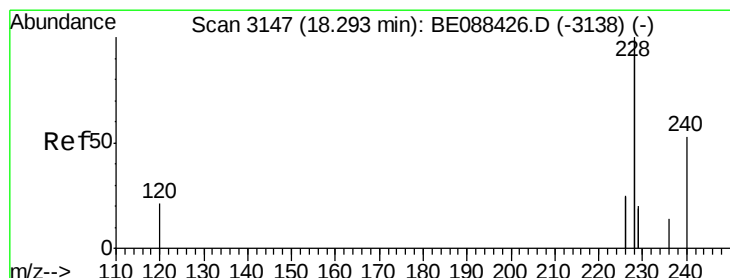
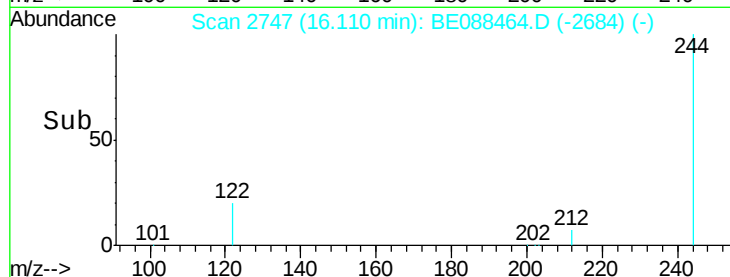
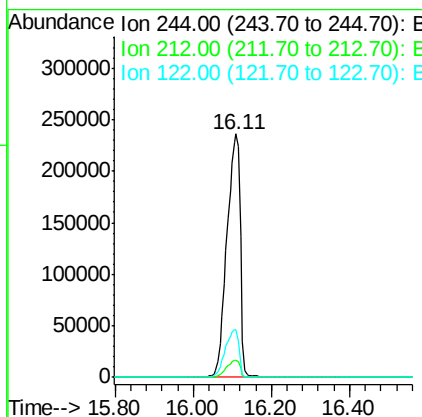
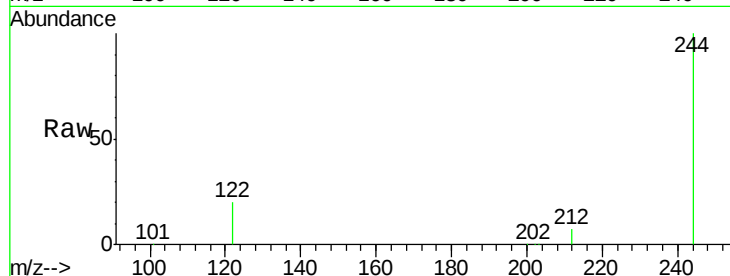
#18
 Terphenyl-d14
 Concen: 37.14 ng
 RT: 16.11 min Scan# 2747
 Delta R.T. 0.04 min
 Lab File: BE088464.D
 Acq: 1 Nov 2014 22:36

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS27P-1014RE

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	562961		
212	7.1		5.5	8.3
122	19.8		15.6	23.4

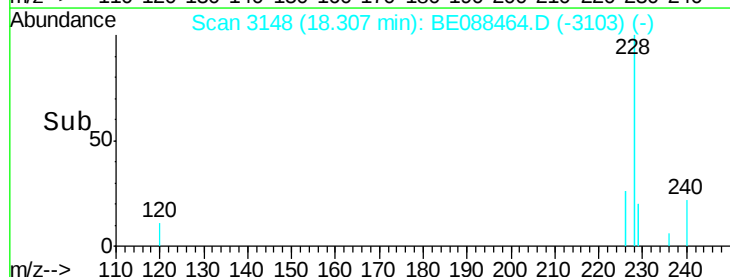
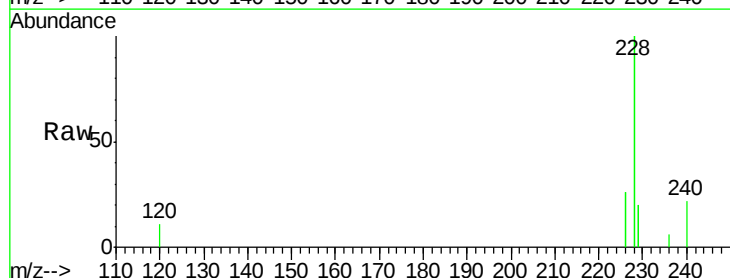
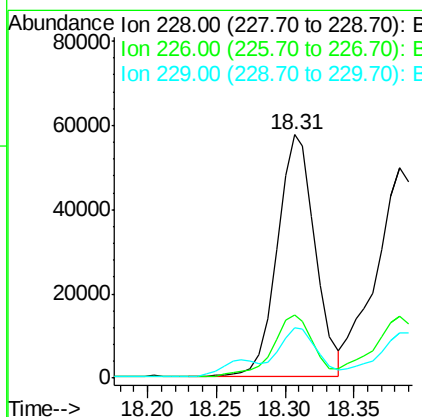
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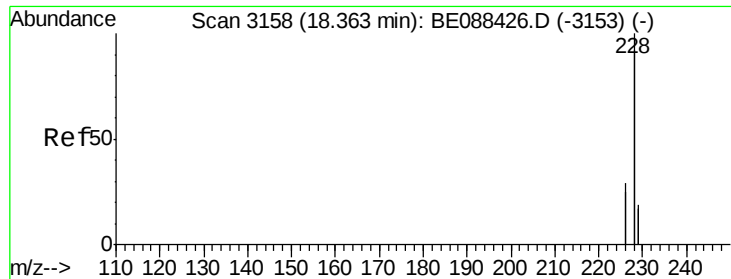
mohammad
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#19
 Benzo(a)anthracene
 Concen: 1.42 ng
 RT: 18.31 min Scan# 3148
 Delta R.T. 0.01 min
 Lab File: BE088464.D
 Acq: 1 Nov 2014 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	110336		
226	26.0		19.8	29.6
229	20.4		16.0	24.0





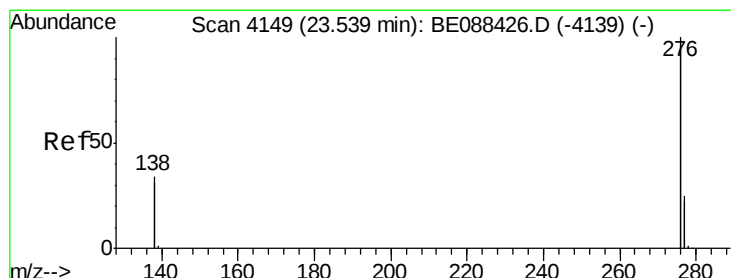
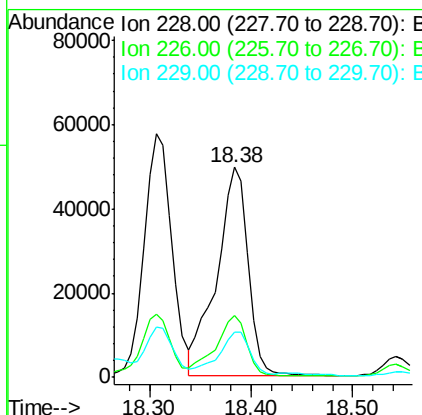
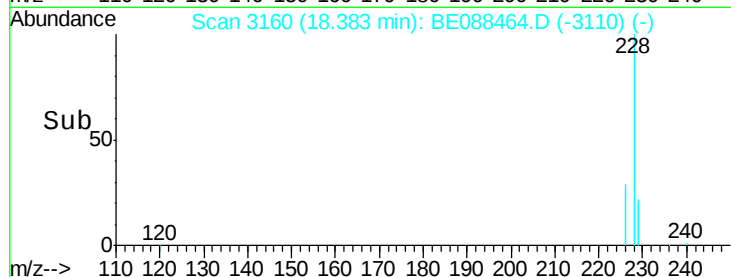
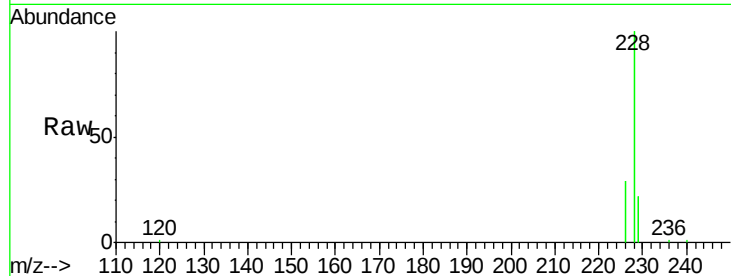
#20
Chrysene
Concen: 1.40 ng
RT: 18.38 min Scan# 3160
Delta R.T. 0.02 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	21.7	15.4	23.2

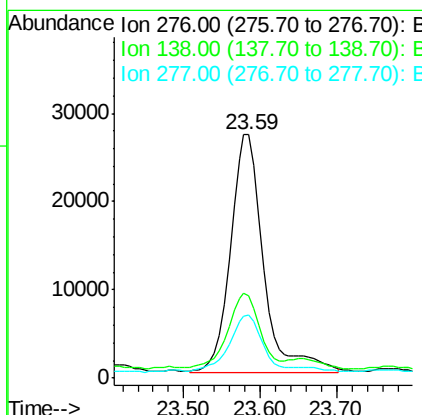
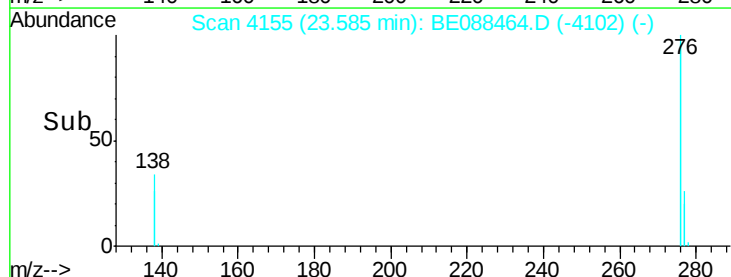
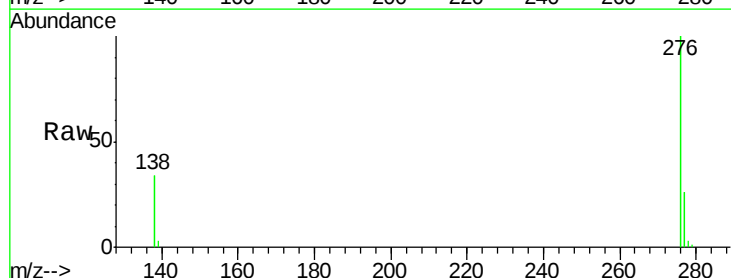
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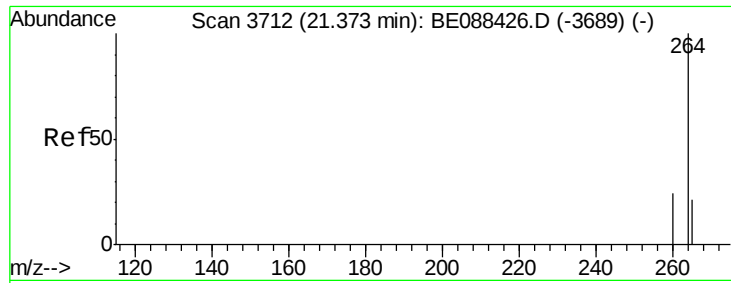
mohammad
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#21
Indeno(1,2,3-cd)pyrene
Concen: 1.14 ng m
RT: 23.59 min Scan# 4155
Delta R.T. 0.05 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

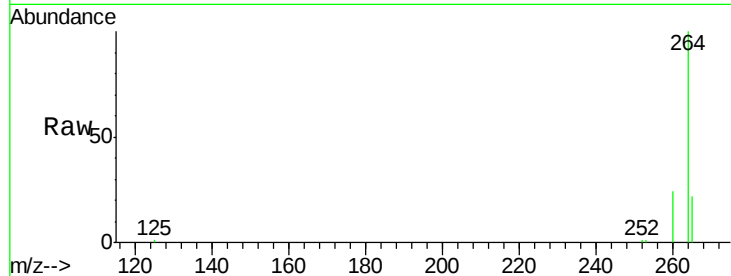
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	20.2	30.2
277	22.8	14.8	22.2





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3716
 Delta R.T. 0.02 min
 Lab File: BE088464.D
 Acq: 1 Nov 2014 22:36

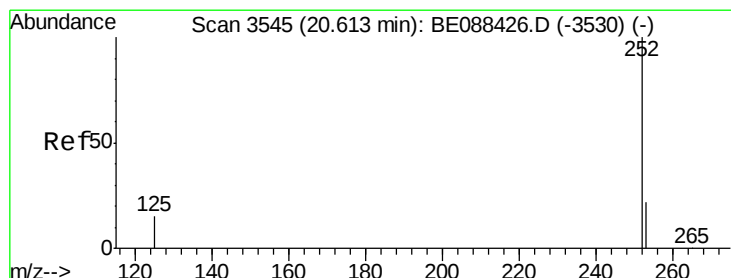
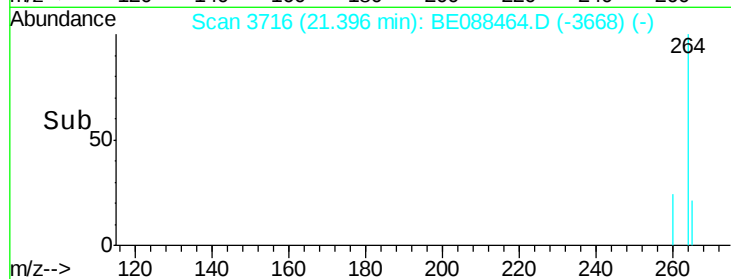
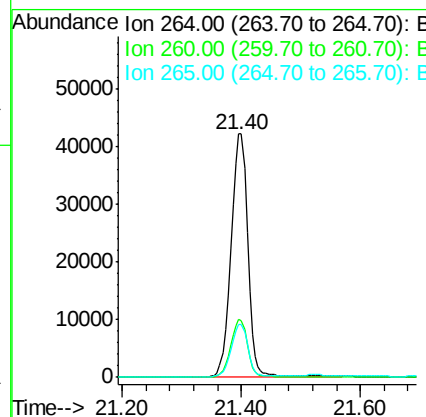
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS27P-1014RE



Tgt Ion: 264 Resp: 81474
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 21.6 17.2 25.8

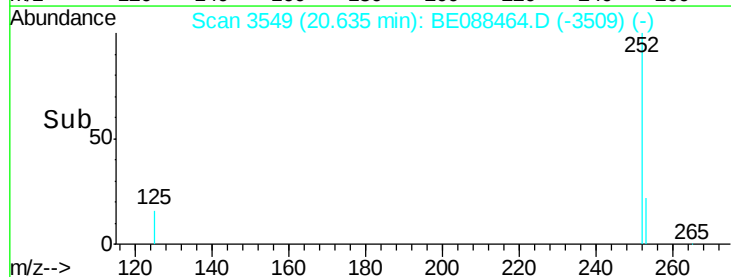
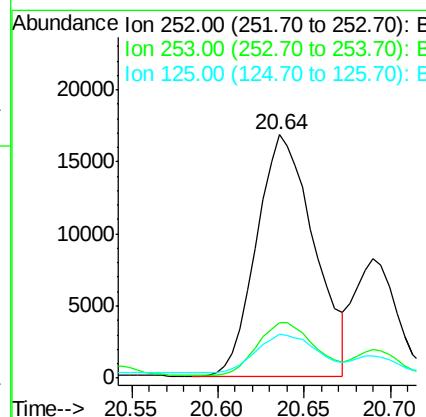
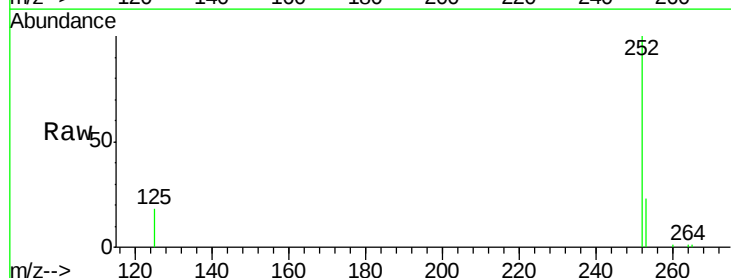
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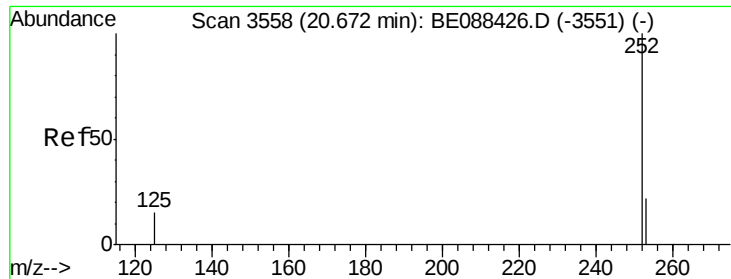
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#23
 Benzo(b)fluoranthene
 Concen: 2.17 ng
 RT: 20.64 min Scan# 3549
 Delta R.T. 0.02 min
 Lab File: BE088464.D
 Acq: 1 Nov 2014 22:36

Tgt Ion: 252 Resp: 38716
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.8
 125 18.1 12.3 18.5





#24

Benzo(k)fluoranthene

Concen: 0.73 ng m

RT: 20.69 min Scan# 3561

Delta R.T. 0.02 min

Lab File: BE088464.D

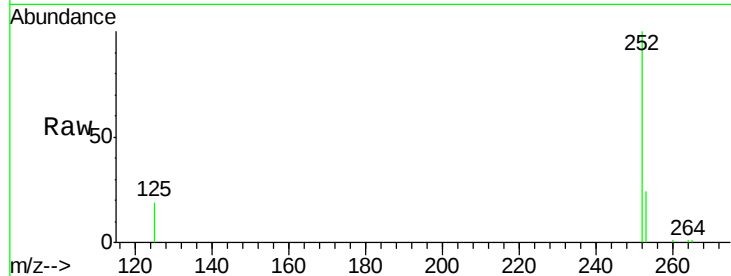
Acq: 1 Nov 2014 22:36

Instrument :

BNA_E

ClientSampleId :

YS19-SS27P-1014RE



Tgt Ion:252 Resp: 14428

Ion Ratio Lower Upper

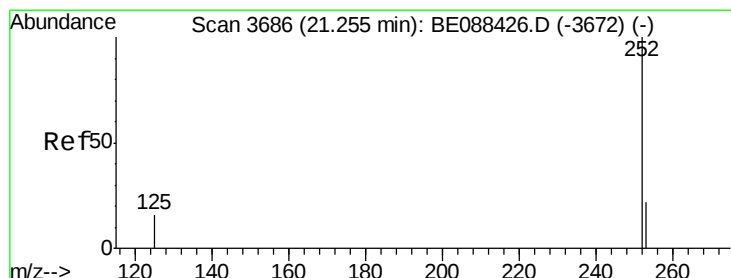
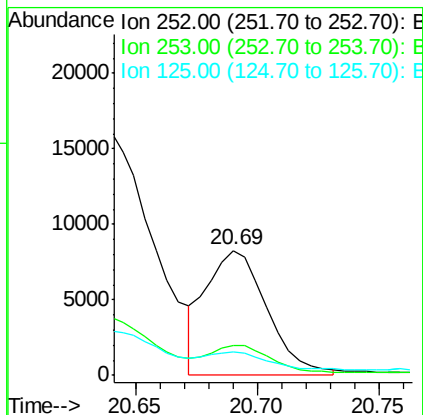
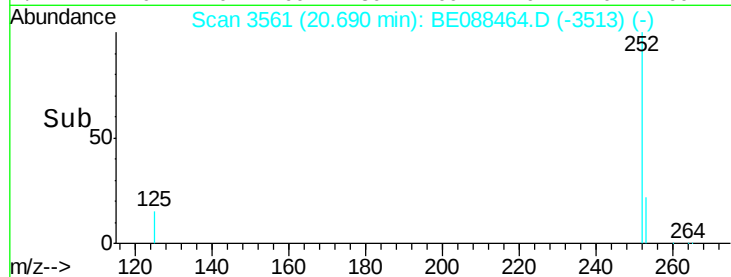
252 100

253 23.7 17.8 26.8

125 19.0 12.2 18.4#

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#25

Benzo(a)pyrene

Concen: 1.51 ng

RT: 21.28 min Scan# 3690

Delta R.T. 0.02 min

Lab File: BE088464.D

Acq: 1 Nov 2014 22:36

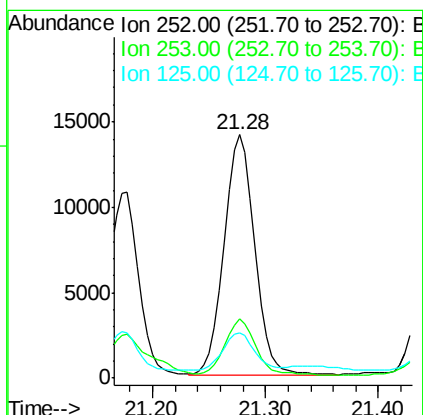
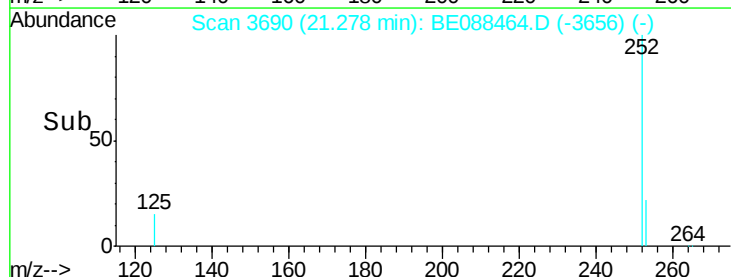
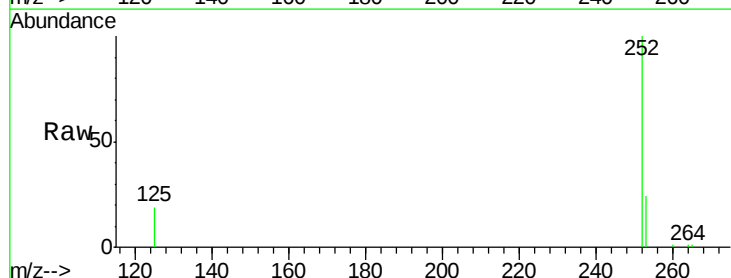
Tgt Ion:252 Resp: 25906

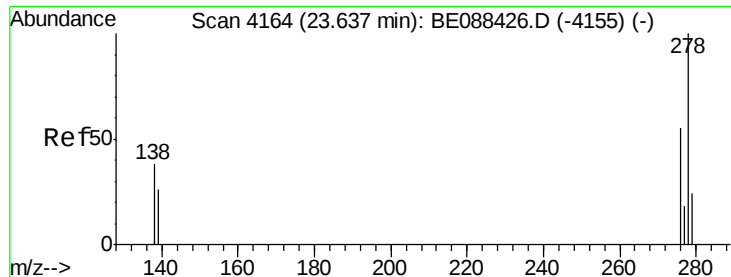
Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.4

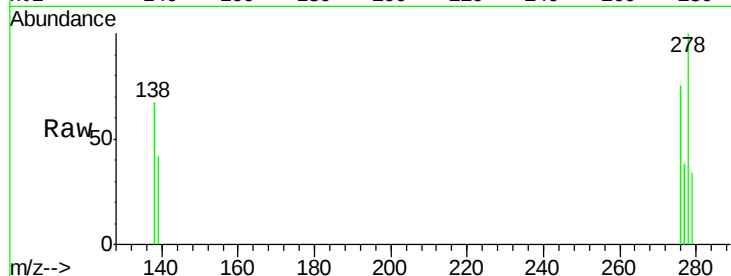
125 18.6 13.7 20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.26 ng
RT: 23.66 min Scan# 4167
Delta R.T. 0.03 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

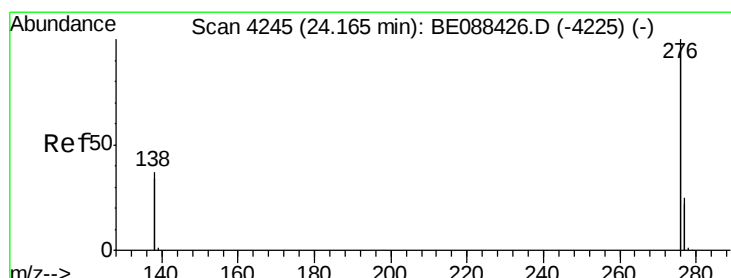
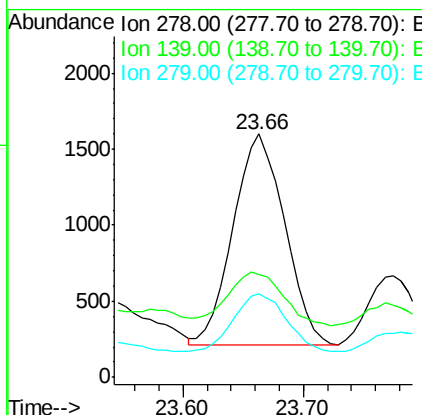
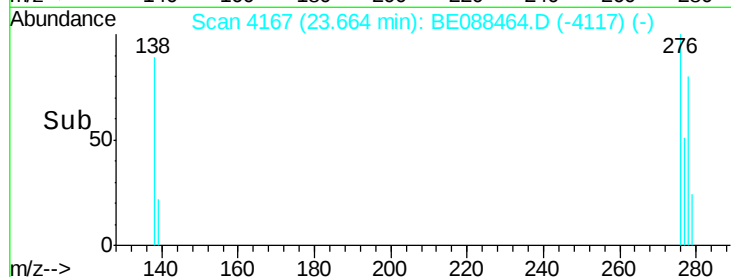
Instrument :
BNA_E
ClientSampleId :
YS19-SS27P-1014RE



Tgt Ion: 278 Resp: 4112
Ion Ratio Lower Upper
278 100
139 42.4 22.1 33.1#
279 34.2 19.7 29.5#

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#27
Benzo(g,h,i)perylene
Concen: 1.07 ng
RT: 24.21 min Scan# 4251
Delta R.T. 0.05 min
Lab File: BE088464.D
Acq: 1 Nov 2014 22:36

Tgt Ion: 276 Resp: 78052
Ion Ratio Lower Upper
276 100
277 25.7 19.8 29.6
138 36.0 29.3 43.9

