

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088462.D
 Acq On : 1 Nov 2014 21:30
 Operator : TP/JJ
 Sample : F4312-13RE
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB28-1014RE

Manual Integrations
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mohammad
 11/4/2014 9:07:43 AM

Quant Time: Nov 02 05:01:10 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	62777	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	232481	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	109767	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	225380	5.00	ng	0.00
16) Chrysene-d12	18.33	240	136496	5.00	ng	0.02
22) Perylene-d12	21.40	264	133318	5.00	ng	0.03
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	790268	46.35	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	857433	27.71	ng	0.01
18) Terphenyl-d14	16.12	244	703078	28.04	ng	0.04
Target Compounds						Qvalue
5) Naphthalene	8.68	128	1356	0.03	ng	# 87
10) Acenaphthene	10.84	154	2467	0.09	ng	# 81
11) Fluorene	11.49	166	1935	0.07	ng	# 95
13) Phenanthrene	12.95	178	226868	1.11	ng	99
14) Anthracene	13.03	178	40105m	0.24	ng	
15) Fluoranthene	15.19	202	65997	1.99	ng	100
17) Pyrene	15.64	202	55952	1.26	ng	97
19) Benzo(a)anthracene	18.31	228	111196	0.87	ng	98
20) Chrysene	18.38	228	113608	0.90	ng	96
21) Indeno(1,2,3-cd)pyrene	23.58	276	73220m	0.62	ng	
23) Benzo(b)fluoranthene	20.64	252	37551	1.28	ng	# 95
24) Benzo(k)fluoranthene	20.69	252	14281	0.44	ng	# 93
25) Benzo(a)pyrene	21.27	252	24739	0.88	ng	97
26) Dibenzo(a,h)anthracene	23.66	278	3792	0.15	ng	# 66
27) Benzo(g,h,i)perylene	24.20	276	70181	0.59	ng	98

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

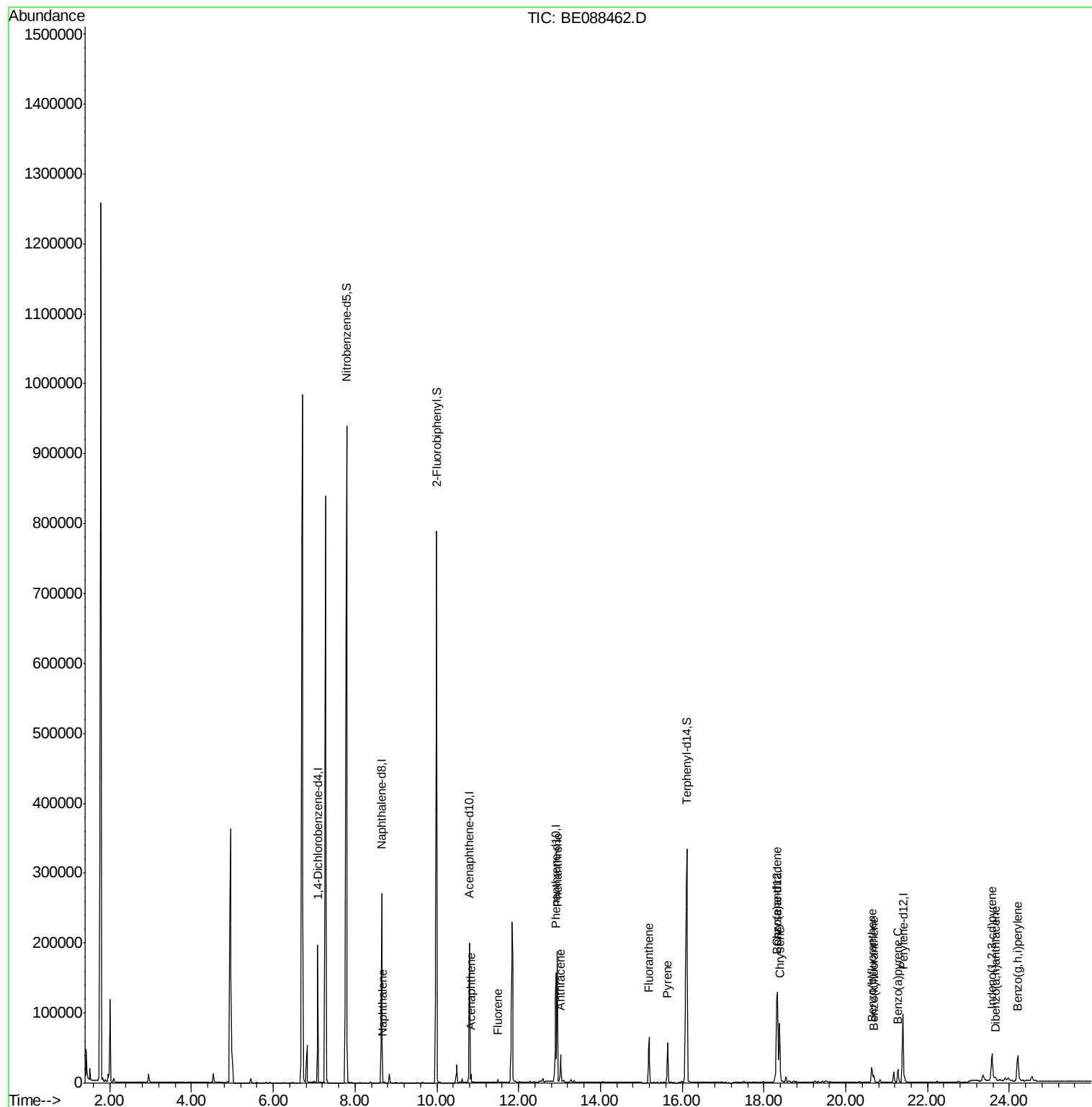
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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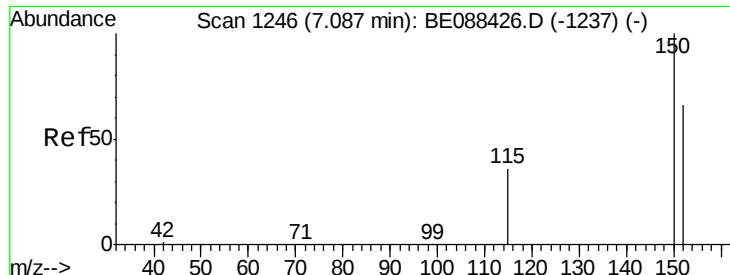
Instrument :
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ClientSampleId :
YS19-SB28-1014RE

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE088462.D

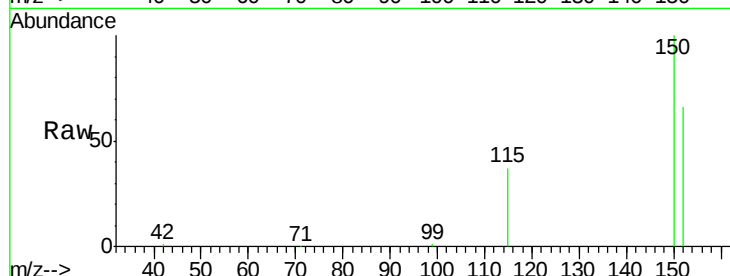
Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 62777

Ion Ratio Lower Upper

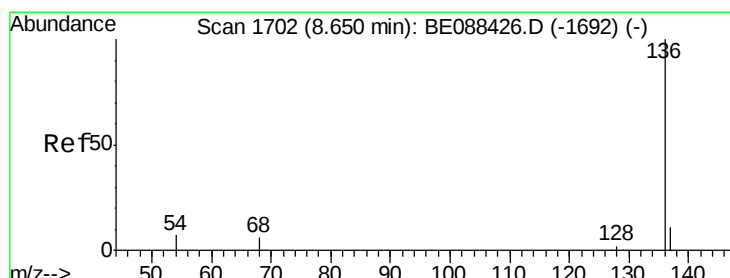
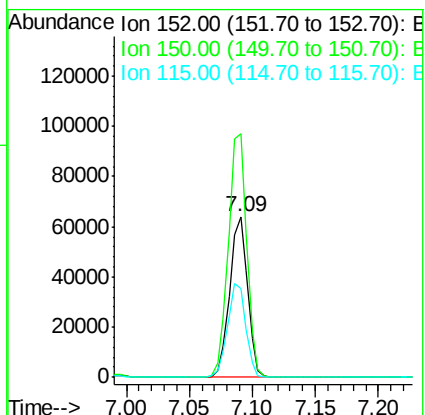
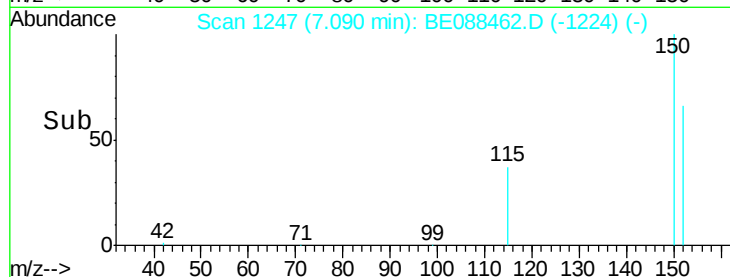
152 100

150 151.5 121.8 182.8

115 55.4 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: BE088462.D

Acq: 1 Nov 2014 21:30

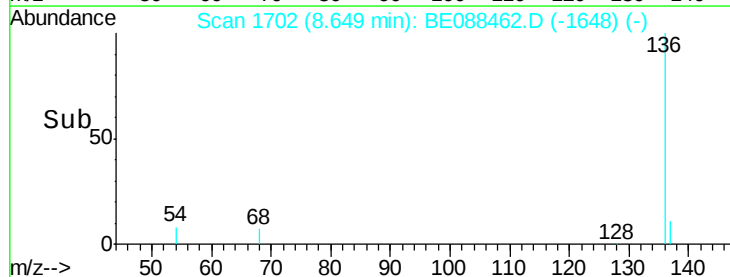
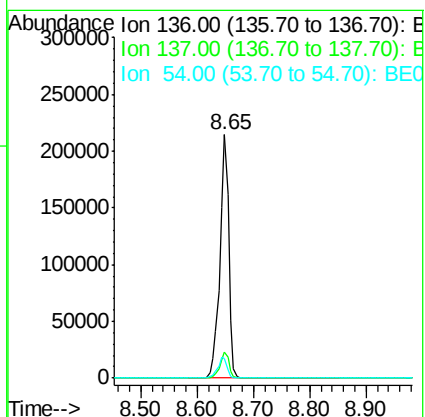
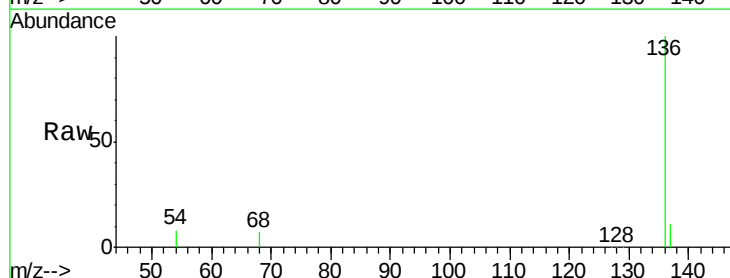
Tgt Ion:136 Resp: 232481

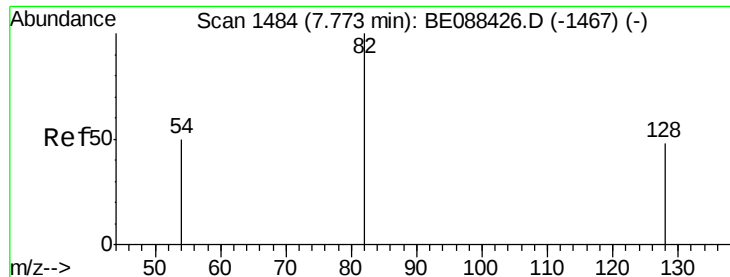
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.1 5.3 7.9#





#4

Nitrobenzene-d5

Concen: 46.35 ng

RT: 7.79 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE088462.D

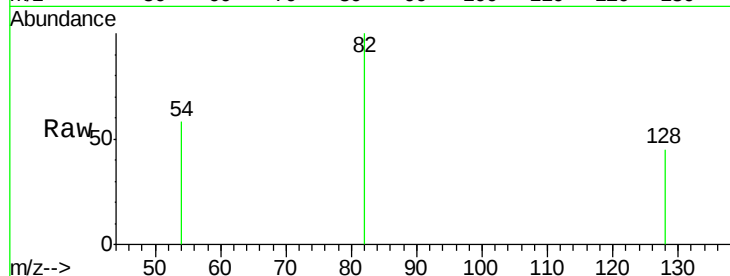
Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB28-1014RE



Tgt Ion: 82 Resp: 790268

Ion Ratio Lower Upper

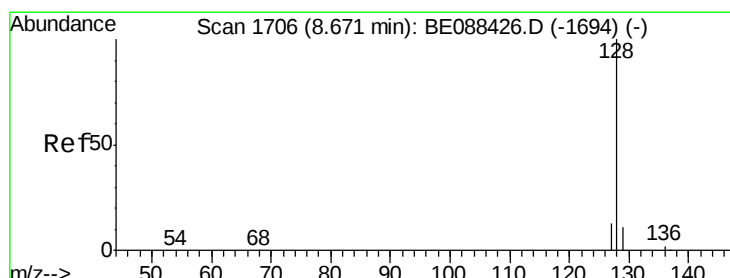
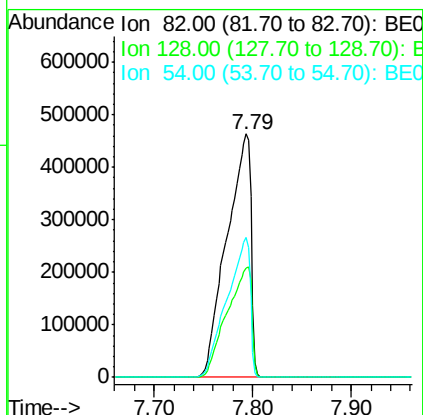
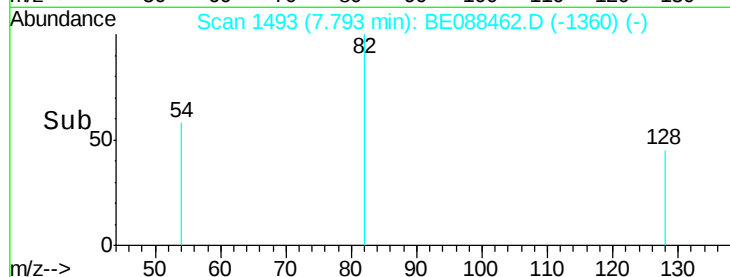
82 100

128 44.9 38.4 57.6

54 57.7 40.2 60.2

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#5

Naphthalene

Concen: 0.03 ng

RT: 8.68 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

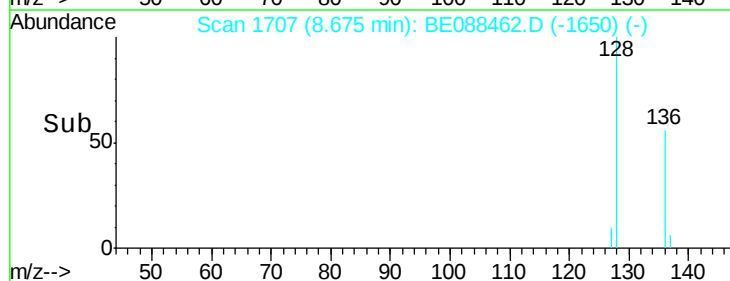
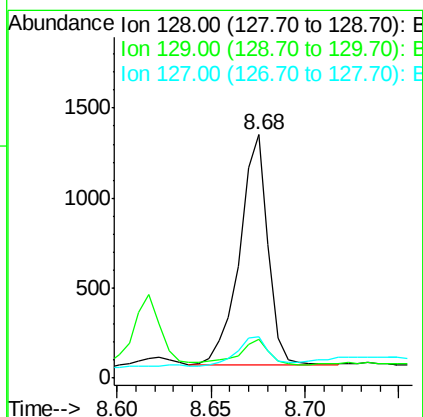
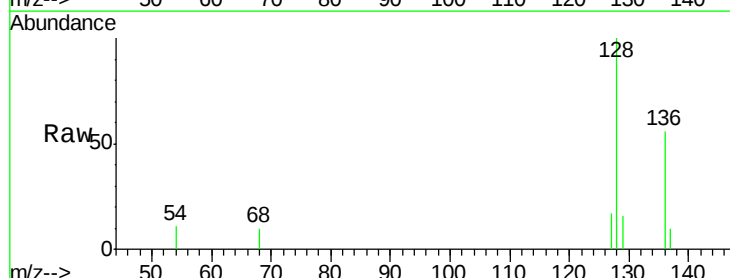
Tgt Ion: 128 Resp: 1356

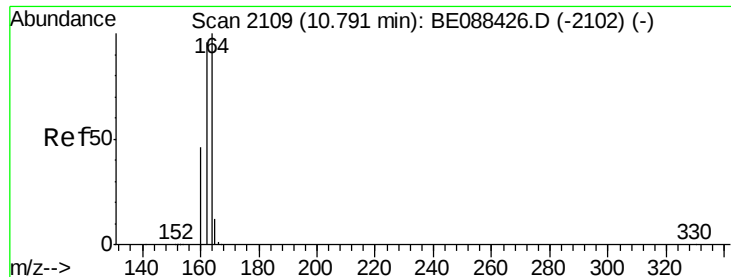
Ion Ratio Lower Upper

128 100

129 16.0 8.6 12.8#

127 17.2 10.1 15.1#





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

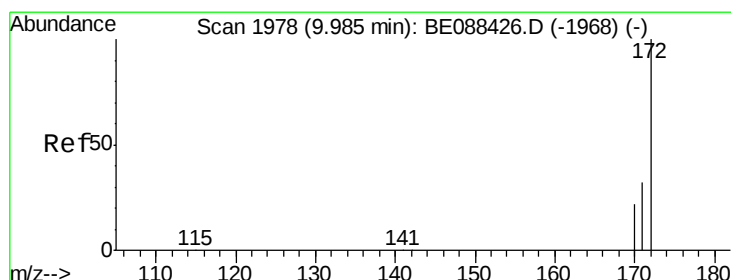
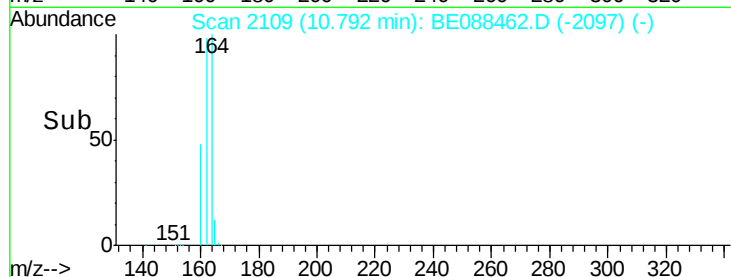
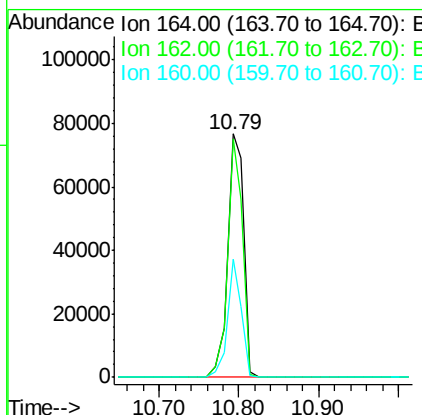
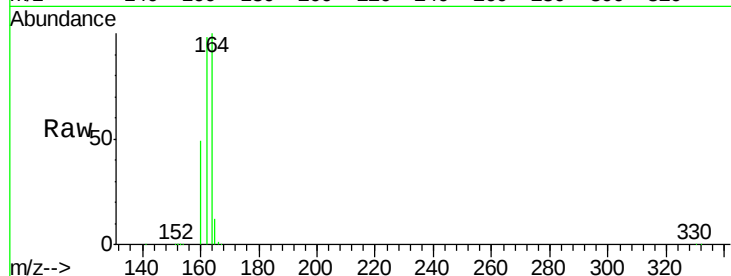
ClientSampleId :

YS19-SB28-1014RE

Tgt Ion:	164	Resp:	109767
Ion Ratio		Lower	Upper
164	100		
162	98.0	77.0	115.4
160	48.5	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 27.71 ng

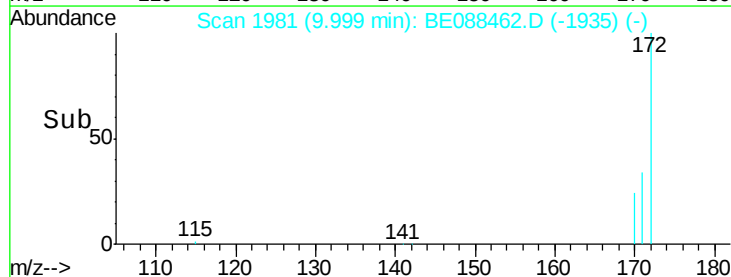
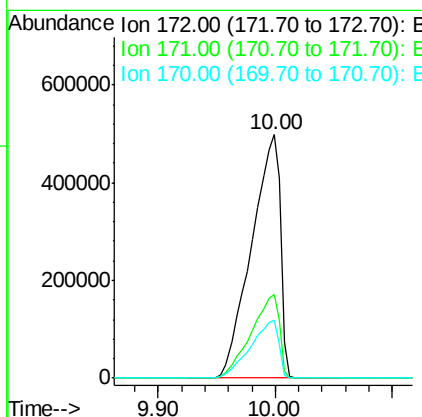
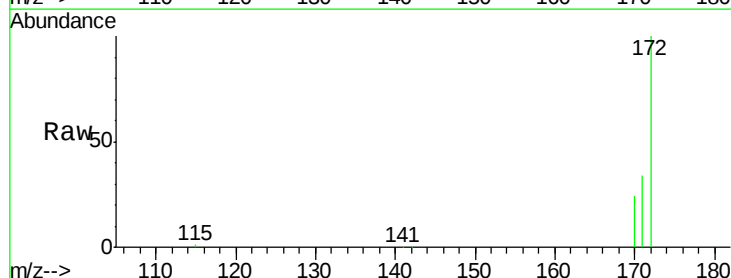
RT: 10.00 min Scan# 1981

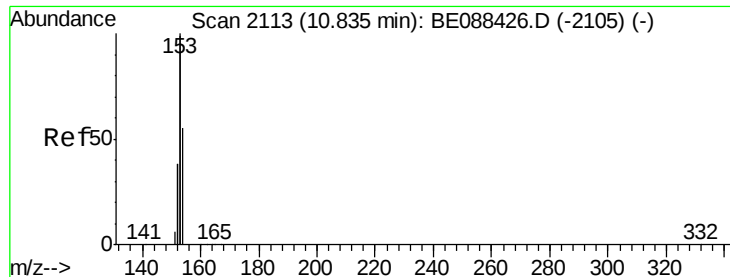
Delta R.T. 0.01 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Tgt Ion:	172	Resp:	857433
Ion Ratio		Lower	Upper
172	100		
171	34.1	26.0	39.0
170	23.7	17.6	26.4





#10

Acenaphthene

Concen: 0.09 ng

RT: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088462.D

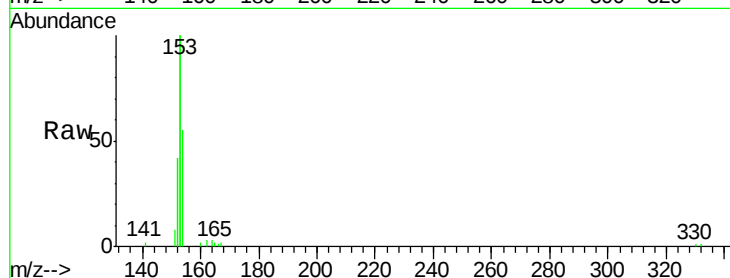
Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

ClientSampleId :

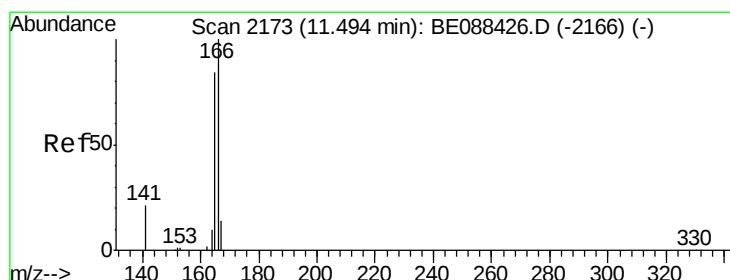
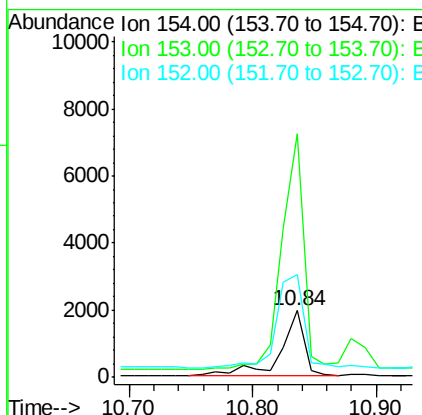
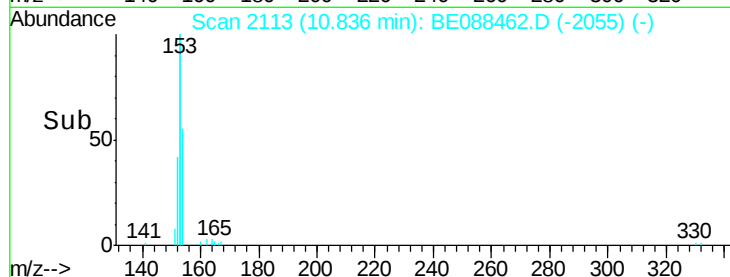
YS19-SB28-1014RE



Tgt Ion:	154	Resp:	2467
Ion Ratio	Lower	Upper	
154	100		
153	341.3	324.3	486.5
152	191.2	154.9	232.3

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#11

Fluorene

Concen: 0.07 ng

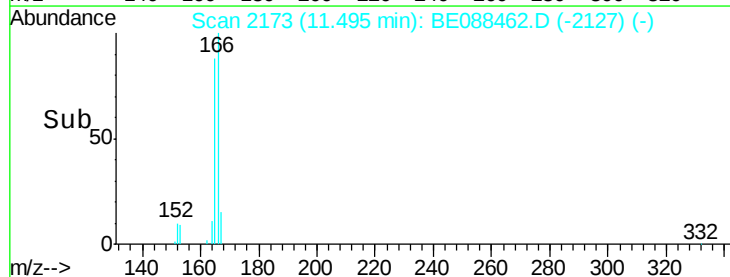
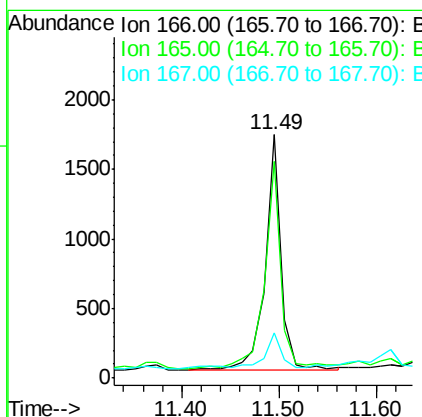
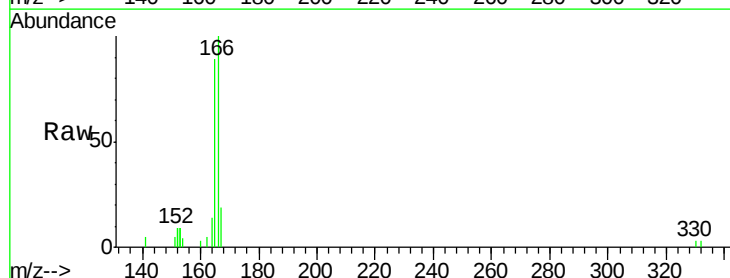
RT: 11.49 min Scan# 2173

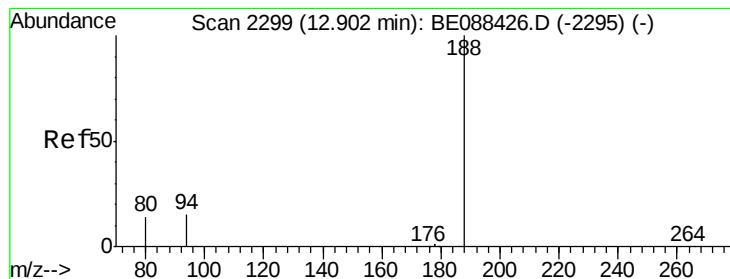
Delta R.T. 0.00 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Tgt Ion:	166	Resp:	1935
Ion Ratio	Lower	Upper	
166	100		
165	92.6	71.3	106.9
167	17.9	10.7	16.1#





#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.91 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

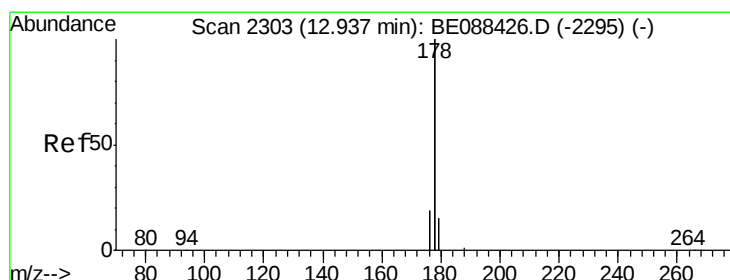
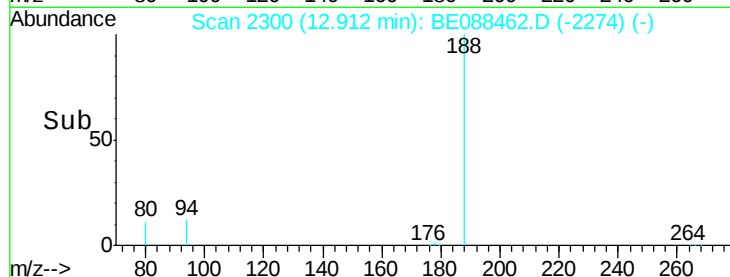
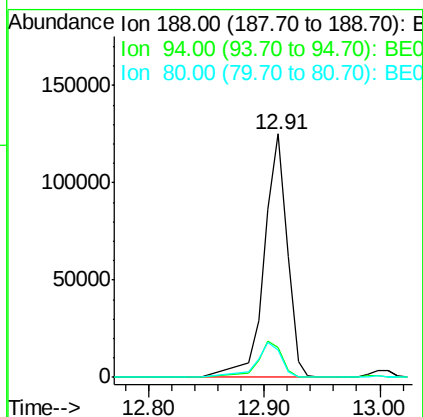
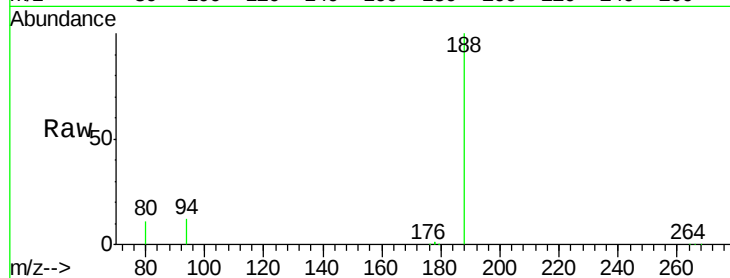
ClientSampleId :

YS19-SB28-1014RE

Tgt Ion:	188	Resp:	225380
Ion Ratio	Lower	Upper	
188	100		
94	12.4	11.8	17.8
80	11.2	10.9	16.3

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#13

Phenanthrene

Concen: 1.11 ng

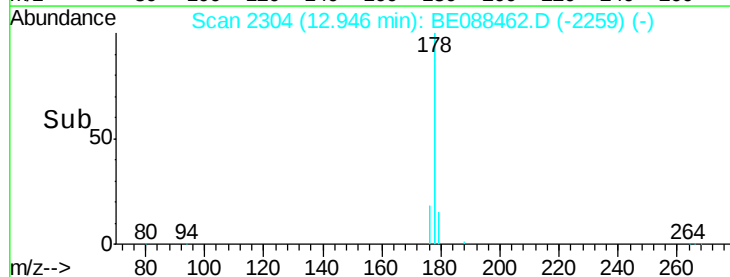
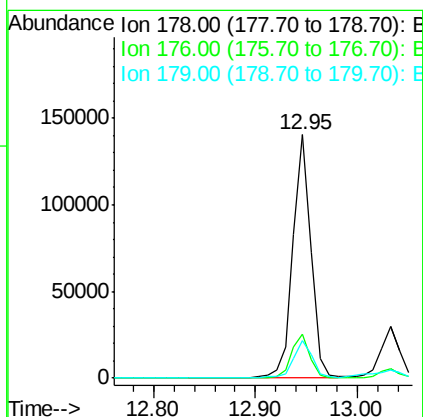
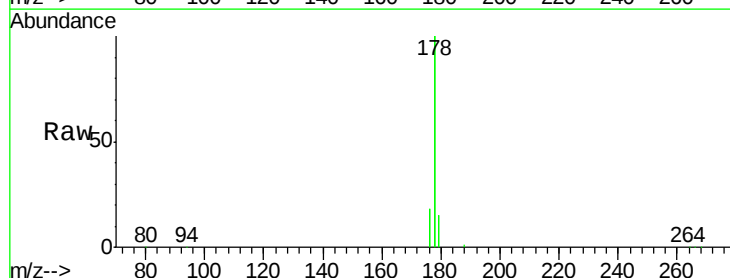
RT: 12.95 min Scan# 2304

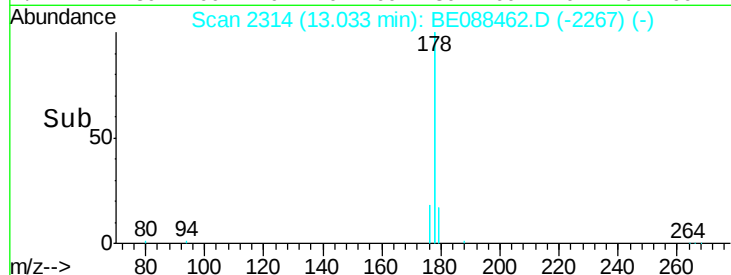
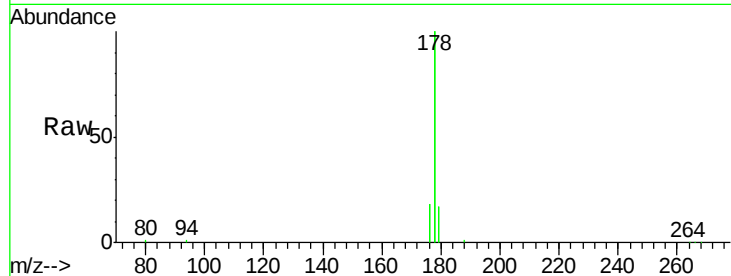
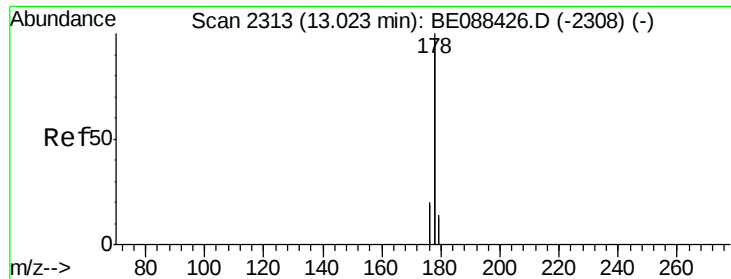
Delta R.T. 0.01 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Tgt Ion:	178	Resp:	226868
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	16.7	12.8	19.2





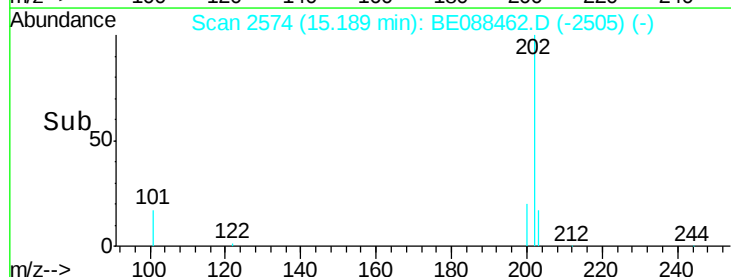
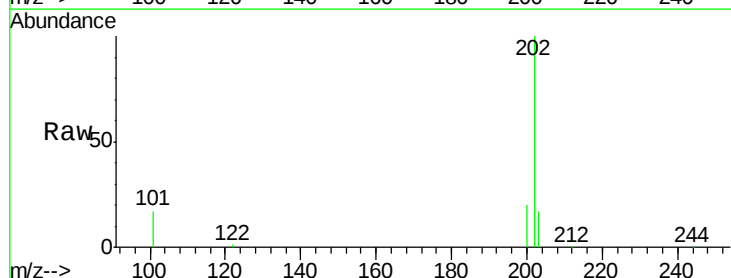
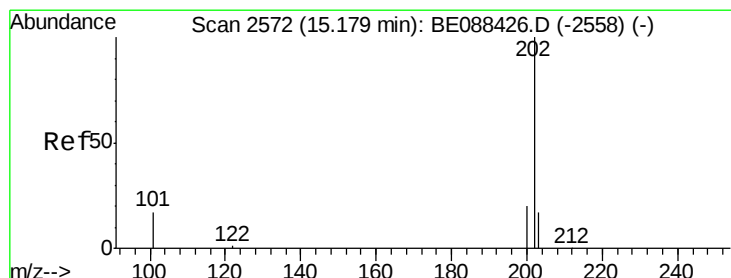
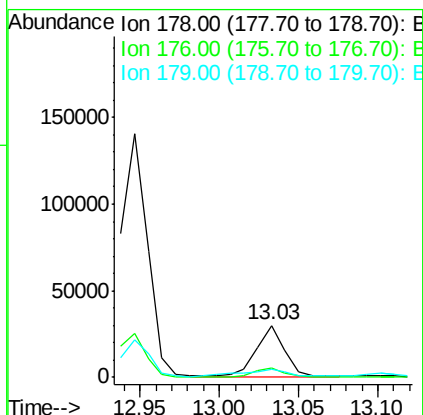
#14
 Anthracene
 Concen: 0.24 ng m
 RT: 13.03 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: BE088462.D
 Acq: 1 Nov 2014 21:30

Instrument :
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 YS19-SB28-1014RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	108.0	15.0	22.4#
179	94.4	12.5	18.7#

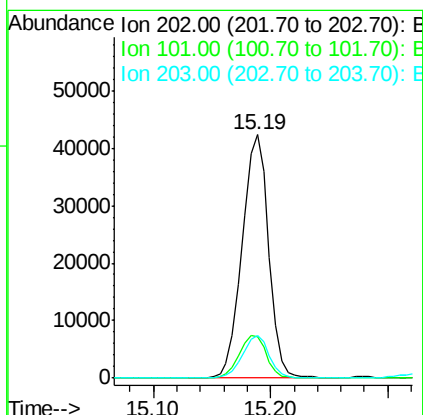
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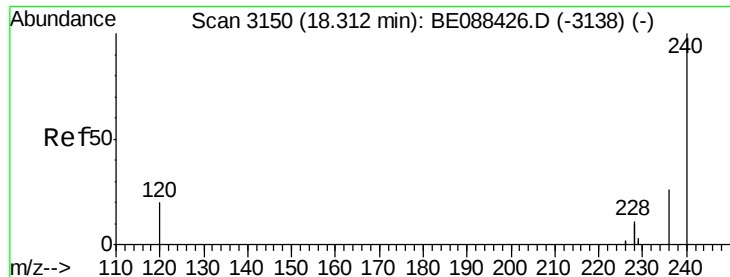
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#15
 Fluoranthene
 Concen: 1.99 ng
 RT: 15.19 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BE088462.D
 Acq: 1 Nov 2014 21:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.3	21.5
203	17.3	13.6	20.4





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.33 min Scan# 3153

Delta R.T. 0.02 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

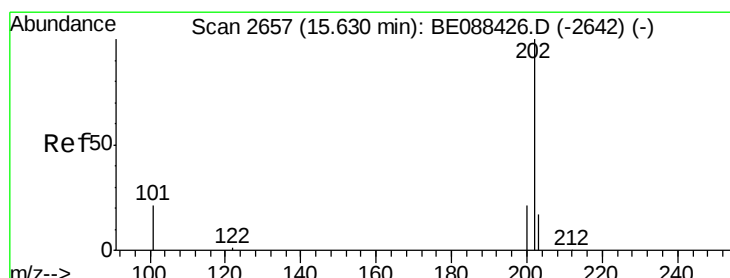
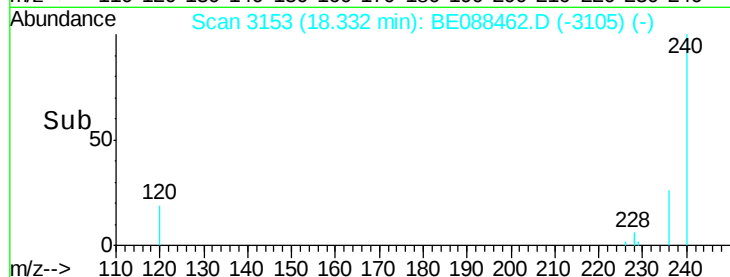
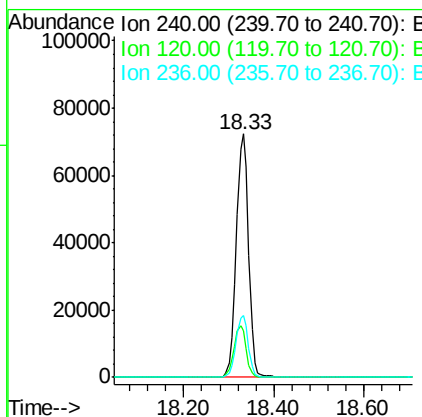
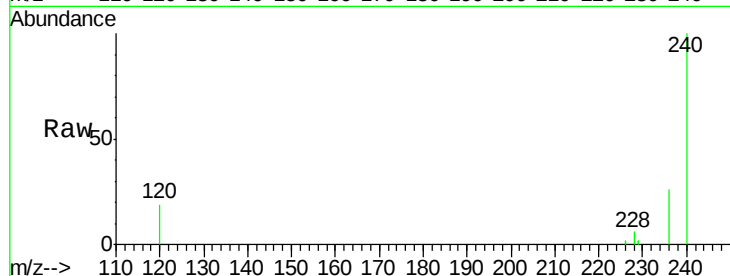
ClientSampleId :

YS19-SB28-1014RE

Tgt Ion:	240	Resp:	136496
Ion Ratio	Lower	Upper	
240	100		
120	19.0	16.4	24.6
236	25.7	20.5	30.7

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#17

Pyrene

Concen: 1.26 ng

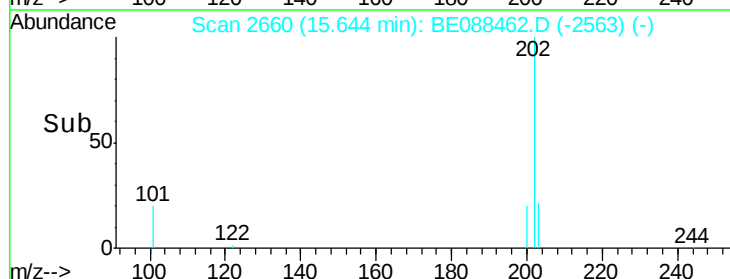
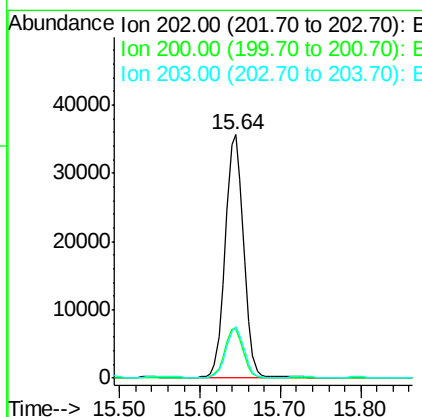
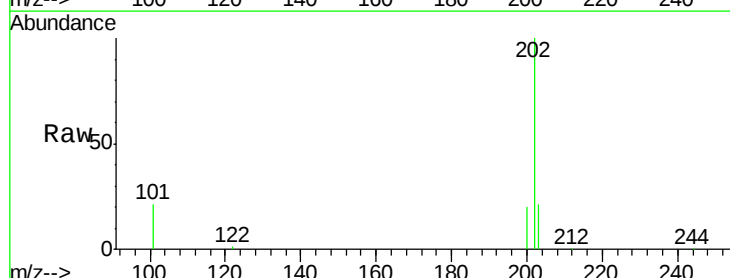
RT: 15.64 min Scan# 2660

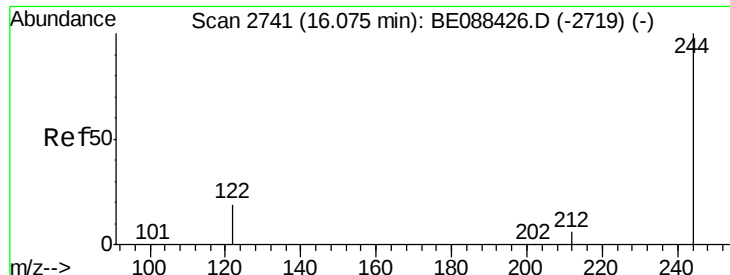
Delta R.T. 0.01 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

Tgt Ion:	202	Resp:	55952
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.1	24.1
203	20.4	13.8	20.8





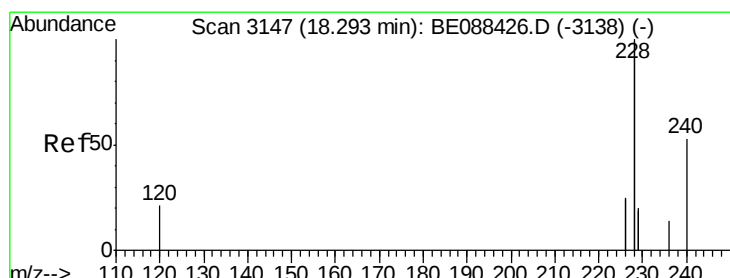
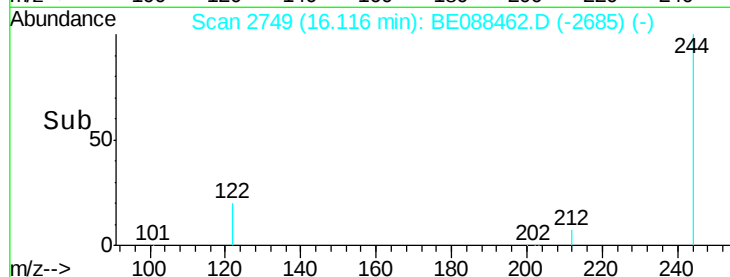
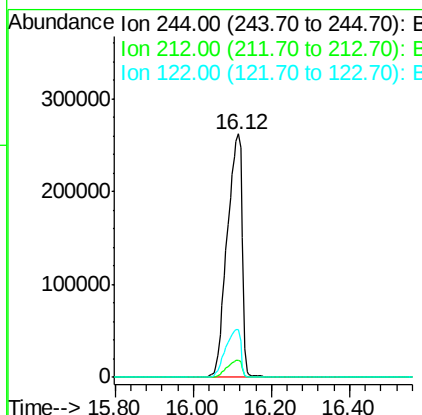
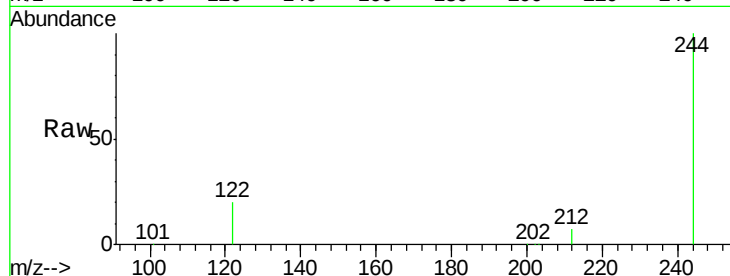
#18
 Terphenyl-d14
 Concen: 28.04 ng
 RT: 16.12 min Scan# 2749
 Delta R.T. 0.04 min
 Lab File: BE088462.D
 Acq: 1 Nov 2014 21:30

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB28-1014RE

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

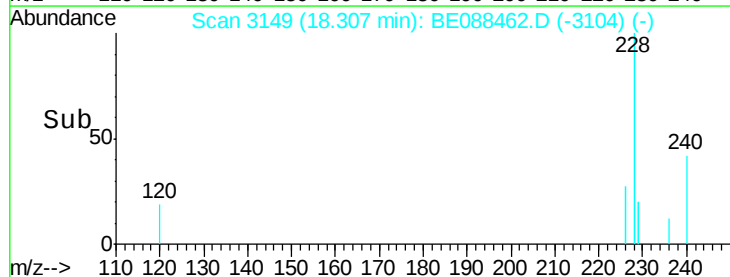
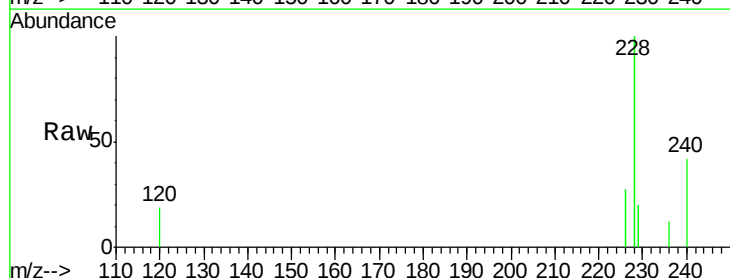
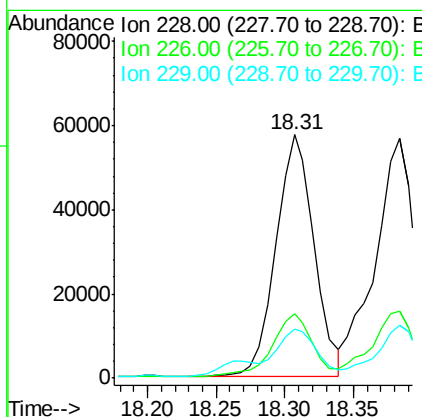
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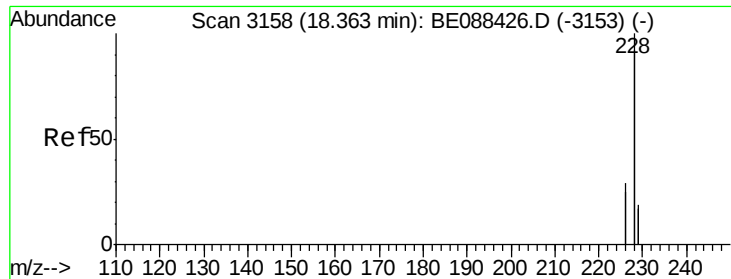
mohammad
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#19
 Benzo(a)anthracene
 Concen: 0.87 ng
 RT: 18.31 min Scan# 3149
 Delta R.T. 0.01 min
 Lab File: BE088462.D
 Acq: 1 Nov 2014 21:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	19.8	29.6
229	20.2	16.0	24.0





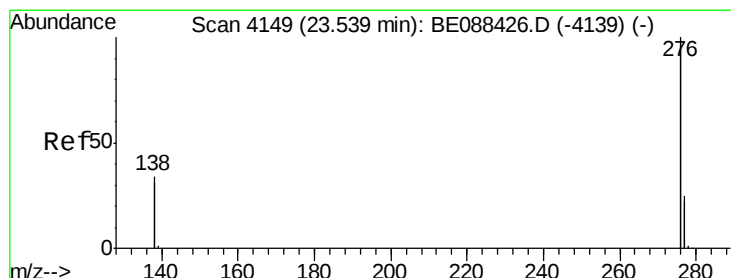
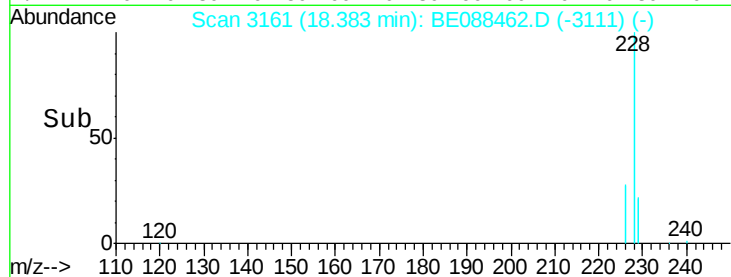
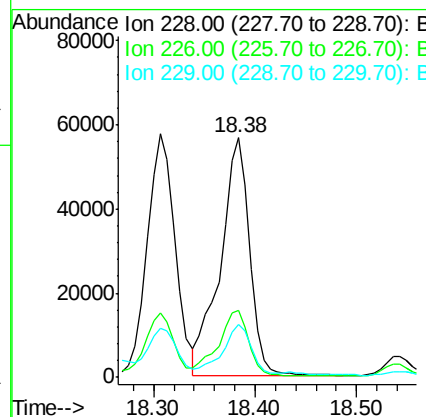
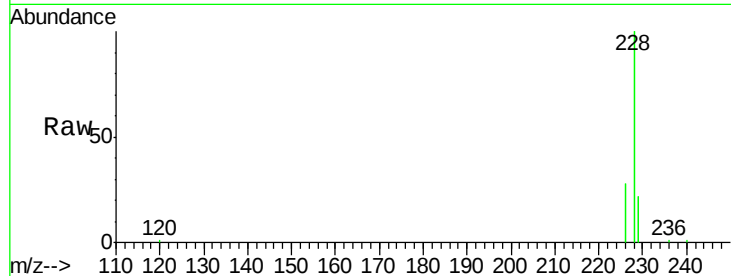
#20
Chrysene
Concen: 0.90 ng
RT: 18.38 min Scan# 3161
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	113608		
226	28.3	23.6	35.4	
229	22.2	15.4	23.2	

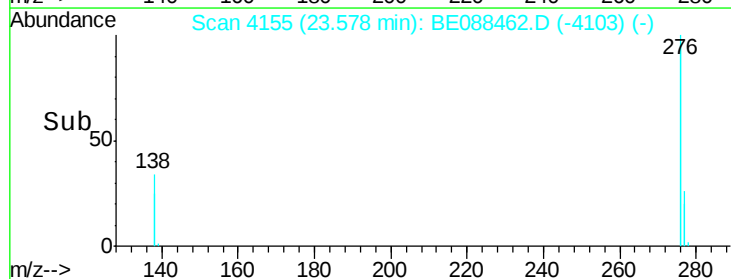
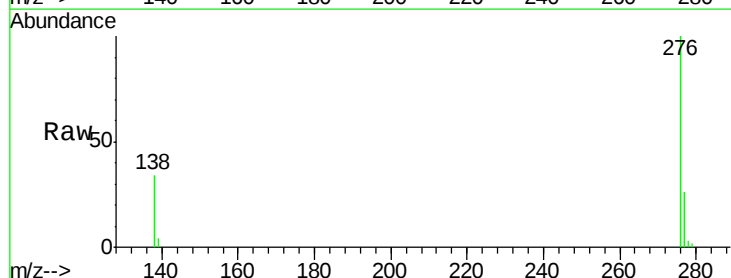
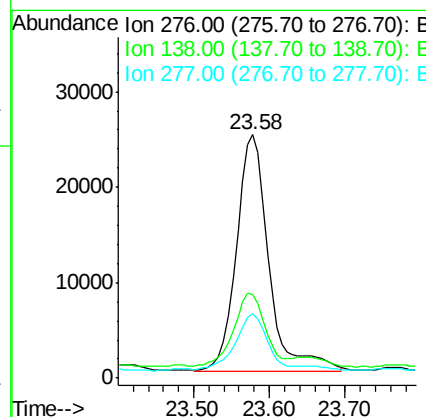
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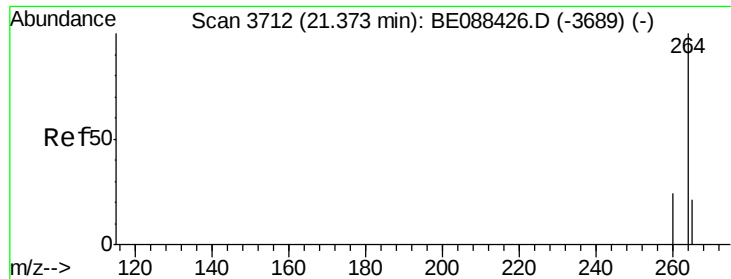
mohammad
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#21
Indeno(1,2,3-cd)pyrene
Concen: 0.62 ng m
RT: 23.58 min Scan# 4155
Delta R.T. 0.04 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

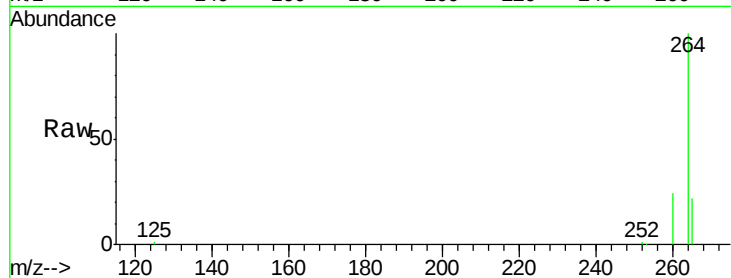
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	73220		
138	29.4	20.2	30.2	
277	23.0	14.8	22.2#	





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3718
 Delta R.T. 0.03 min
 Lab File: BE088462.D
 Acq: 1 Nov 2014 21:30

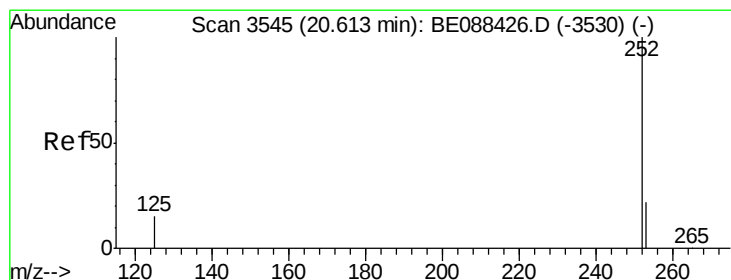
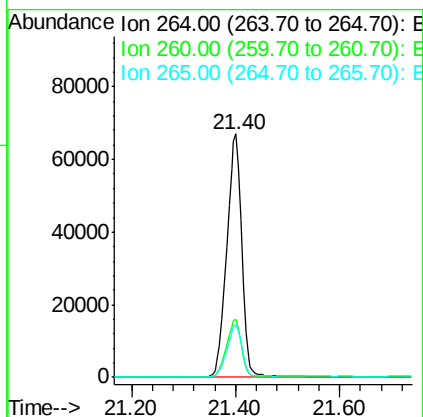
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB28-1014RE



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

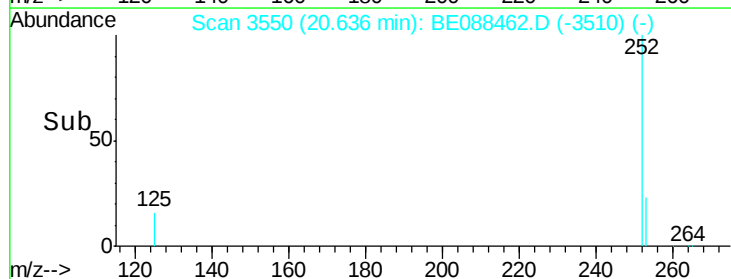
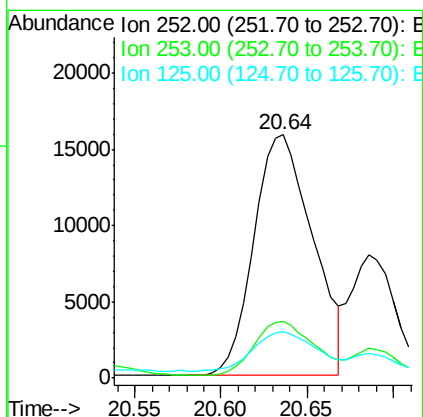
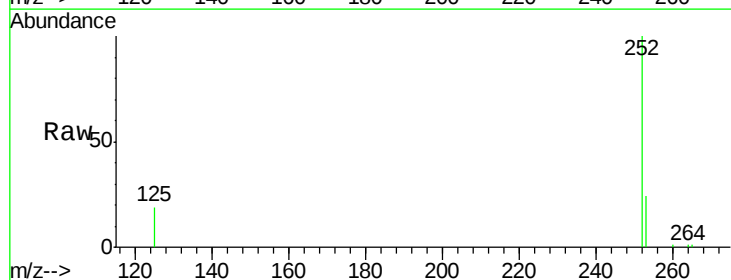
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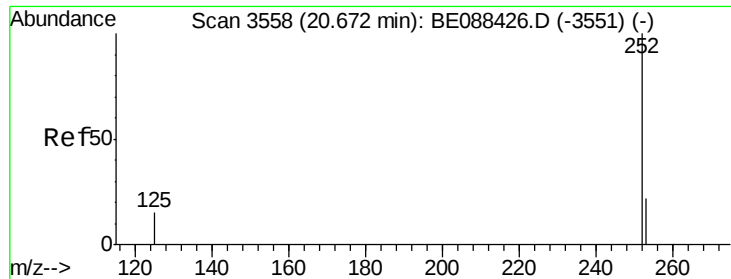
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#23
 Benzo(b)fluoranthene
 Concen: 1.28 ng
 RT: 20.64 min Scan# 3550
 Delta R.T. 0.02 min
 Lab File: BE088462.D
 Acq: 1 Nov 2014 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	19.2	12.3	18.5





#24

Benzo(k)fluoranthene

Concen: 0.44 ng

RT: 20.69 min Scan# 3561

Delta R.T. 0.01 min

Lab File: BE088462.D

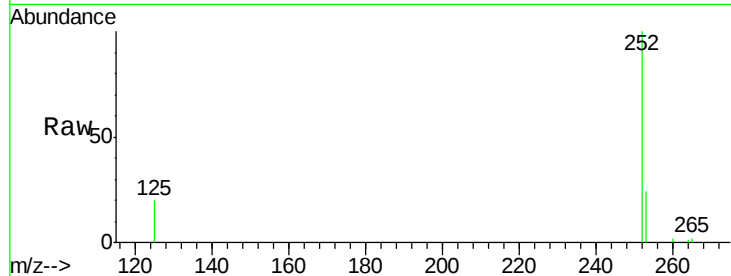
Acq: 1 Nov 2014 21:30

Instrument :

BNA_E

ClientSampleId :

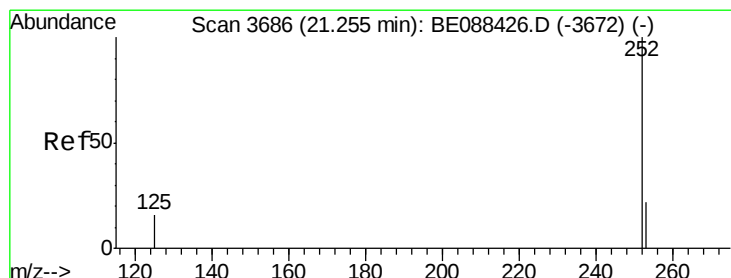
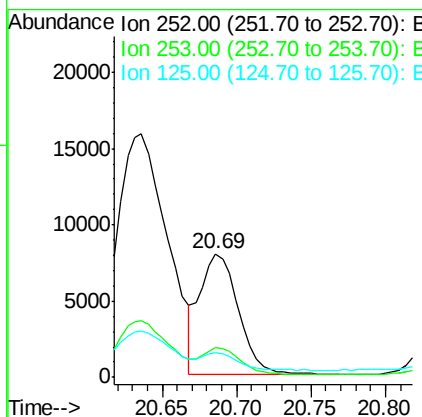
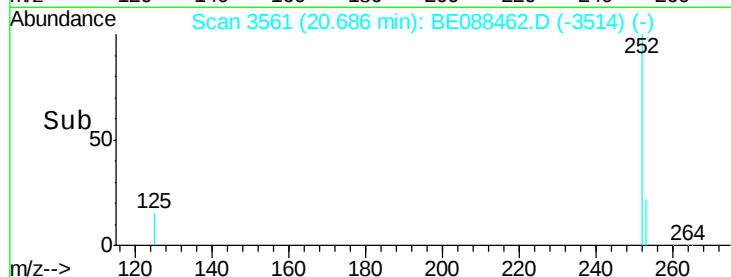
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Tgt Ion:	252	Resp:	14281
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	20.5	12.2	18.4

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#25

Benzo(a)pyrene

Concen: 0.88 ng

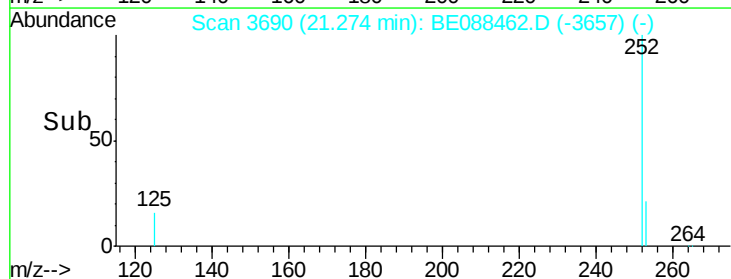
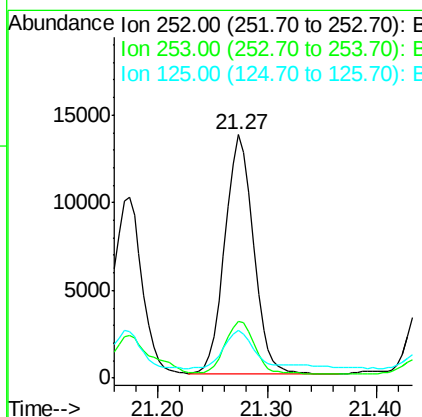
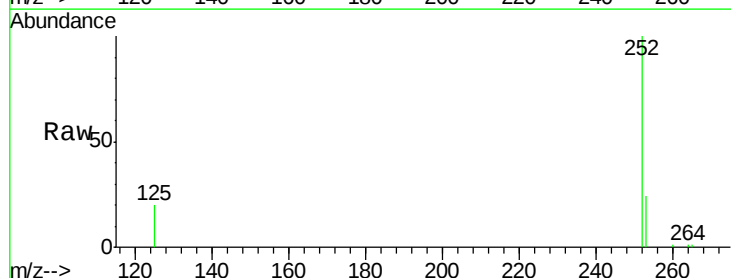
RT: 21.27 min Scan# 3690

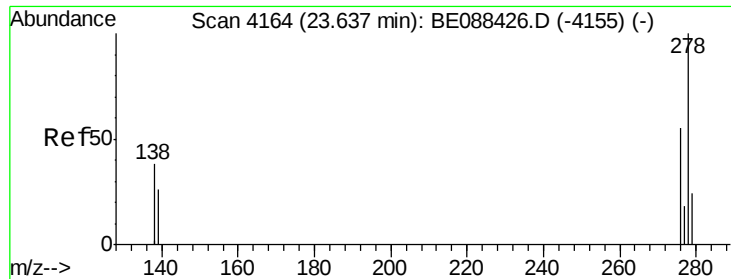
Delta R.T. 0.02 min

Lab File: BE088462.D

Acq: 1 Nov 2014 21:30

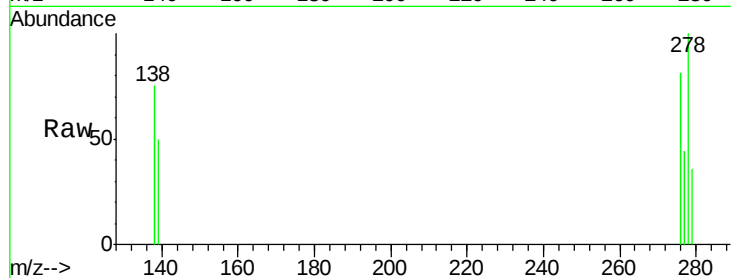
Tgt Ion:	252	Resp:	24739
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.4
125	19.5	13.7	20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 23.66 min Scan# 4167
Delta R.T. 0.02 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

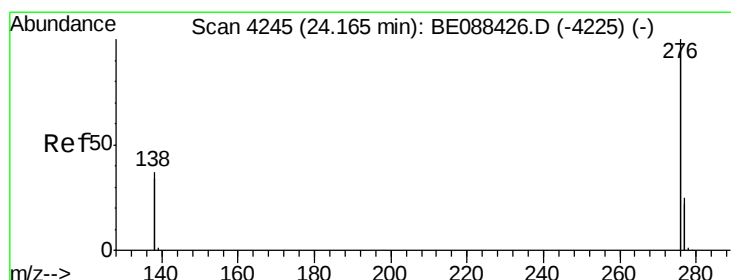
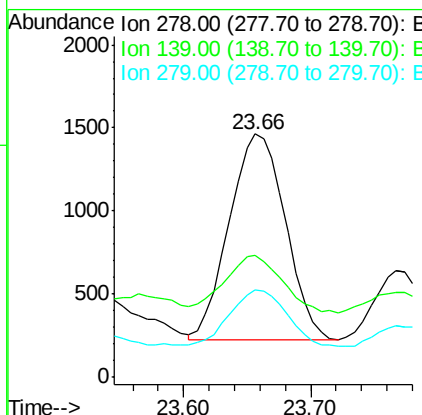
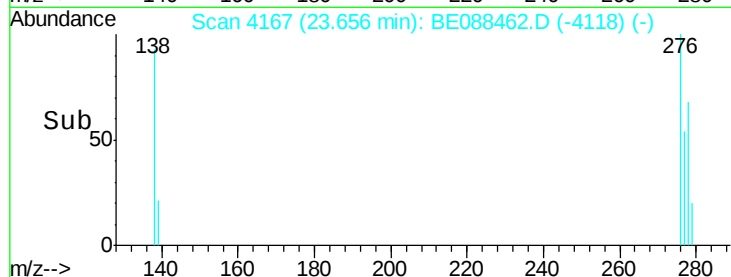
Instrument :
BNA_E
ClientSampleId :
YS19-SB28-1014RE



Tgt Ion: 278 Resp: 3792
Ion Ratio Lower Upper
278 100
139 50.1 22.1 33.1#
279 36.1 19.7 29.5#

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#27
Benzo(g,h,i)perylene
Concen: 0.59 ng
RT: 24.20 min Scan# 4251
Delta R.T. 0.04 min
Lab File: BE088462.D
Acq: 1 Nov 2014 21:30

Tgt Ion: 276 Resp: 70181
Ion Ratio Lower Upper
276 100
277 26.0 19.8 29.6
138 37.3 29.3 43.9

