

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088161.D
 Acq On : 22 Oct 2014 2:59
 Operator : TP/JJ
 Sample : F4303-07DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS08-1014DL

Manual Integrations
 APPROVED

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 10/22/2014 1:55:30 PM

Quant Time: Oct 22 04:30:16 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	20801	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	81346	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	43987	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	69550	5.00	ng	0.00
16) Chrysene-d12	18.38	240	49370	5.00	ng	0.00
22) Perylene-d12	21.44	264	39030	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	46223	7.88	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	62048	5.11	ng	0.00
18) Terphenyl-d14	16.14	244	44749	5.63	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	8436	0.50	ng	99
6) 2-Methylnaphthalene	9.57	142	2823	0.28	ng	94
9) Acenaphthylene	10.67	152	10700	0.16	ng	# 76
10) Acenaphthene	10.88	154	10194	0.99	ng	98
11) Fluorene	11.55	166	10958	1.00	ng	99
13) Phenanthrene	13.01	178	453324	9.02	ng	95
14) Anthracene	13.09	178	126346m	2.33	ng	
15) Fluoranthene	15.25	202	120053	9.07	ng	99
17) Pyrene	15.70	202	99062m	7.38	ng	
19) Benzo(a)anthracene	18.36	228	156262	3.56	ng	99
20) Chrysene	18.44	228	155920	3.62	ng	97
21) Indeno(1,2,3-cd)pyrene	23.63	276	65014	1.36	ng	# 90
23) Benzo(b)fluoranthene	20.69	252	33967	3.66	ng	98
24) Benzo(k)fluoranthene	20.74	252	18197	1.83	ng	97
25) Benzo(a)pyrene	21.32	252	24622	2.88	ng	97
27) Benzo(g,h,i)perylene	24.26	276	61652	1.66	ng	99

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

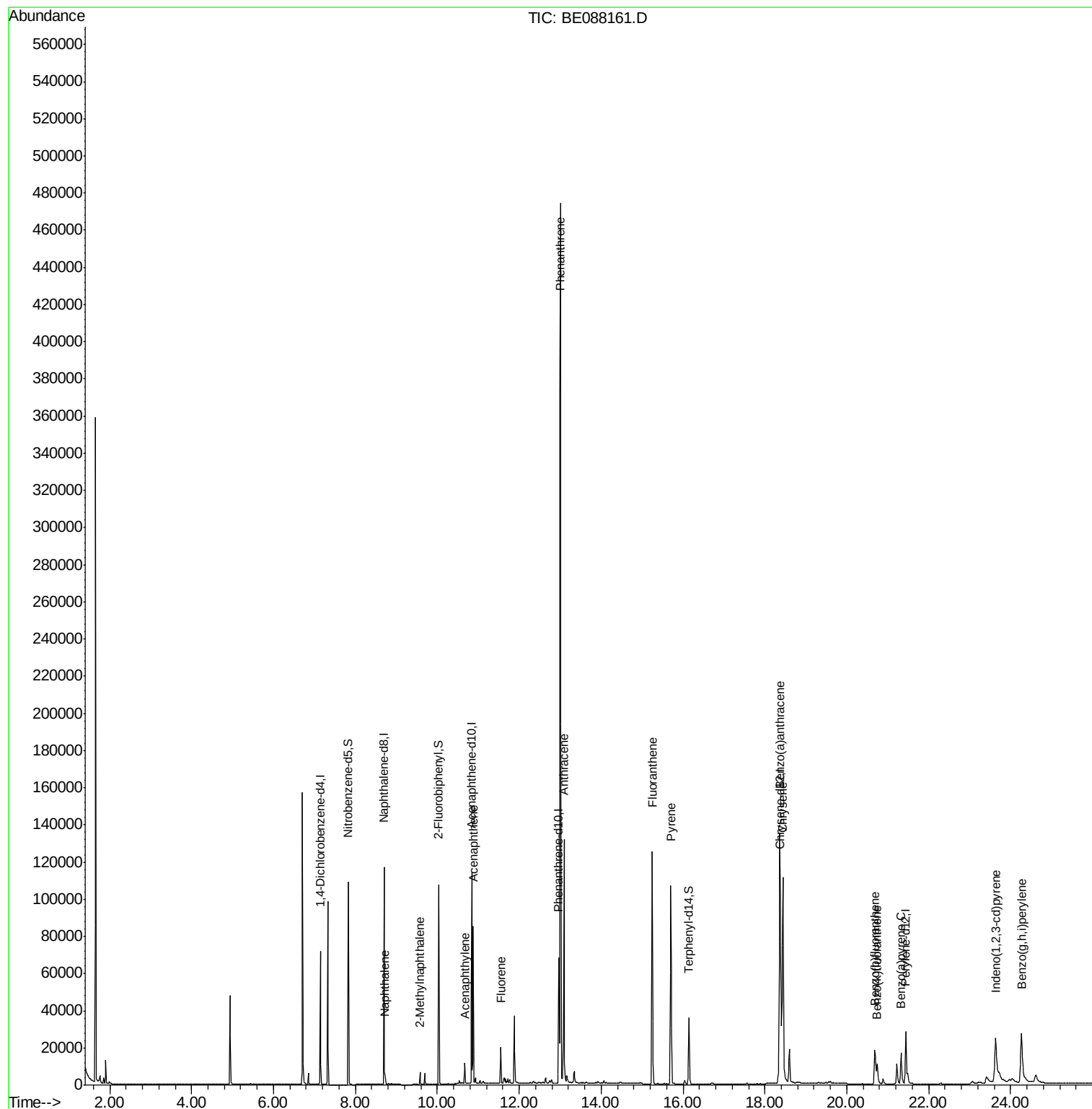
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088161.D
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Sample : F4303-07DL 10X
Misc :
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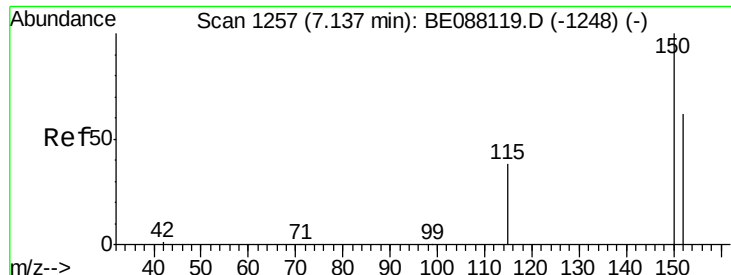
Instrument :
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YS19-SS08-1014DL

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Quant Time: Oct 22 04:30:16 2014
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088161.D

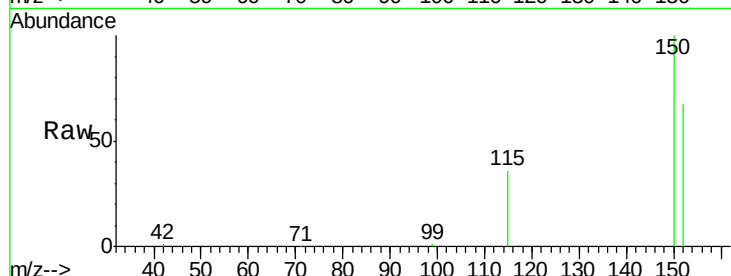
Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

ClientSampleId :

YS19-SS08-1014DL



Tgt Ion:152 Resp: 20801

Ion Ratio Lower Upper

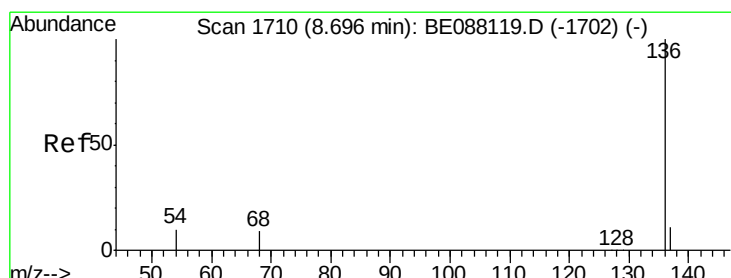
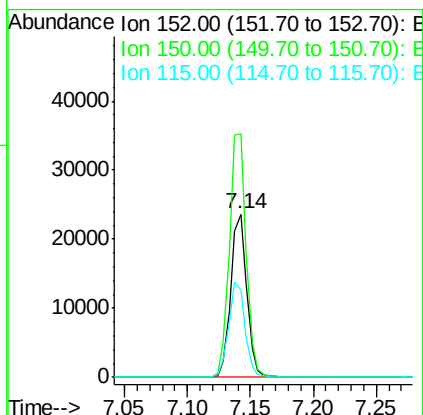
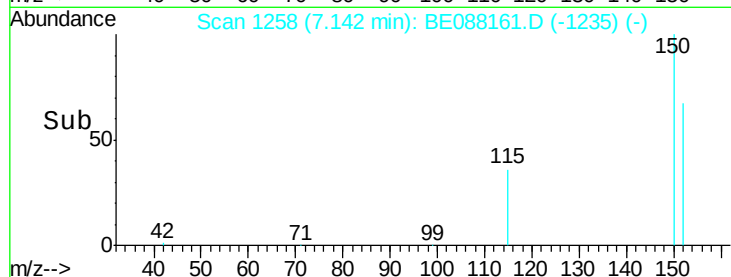
152 100

150 149.3 129.2 193.8

115 53.5 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

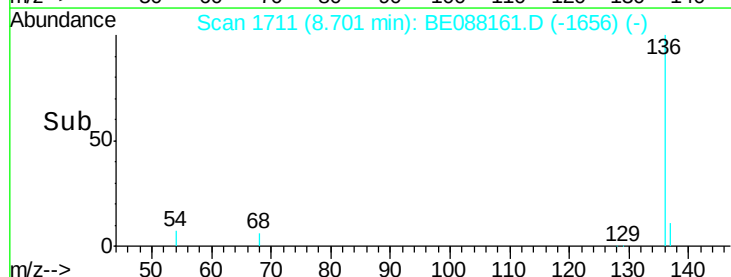
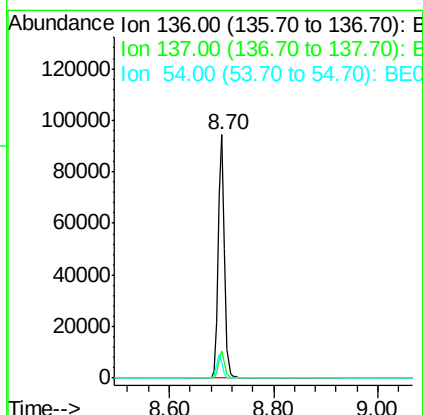
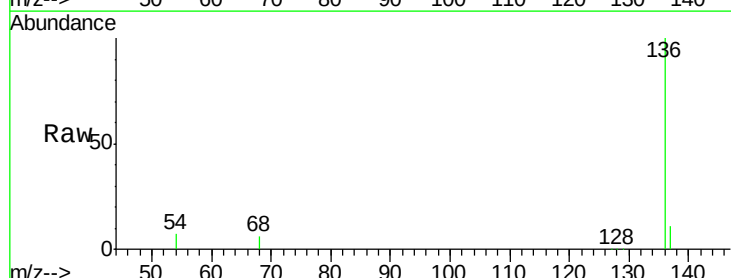
Tgt Ion:136 Resp: 81346

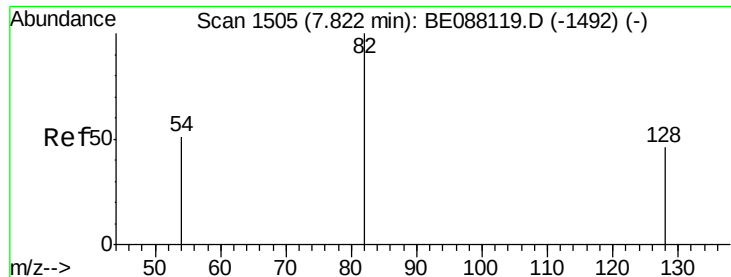
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.6 7.7 11.5#





#4

Nitrobenzene-d5

Concen: 7.88 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088161.D

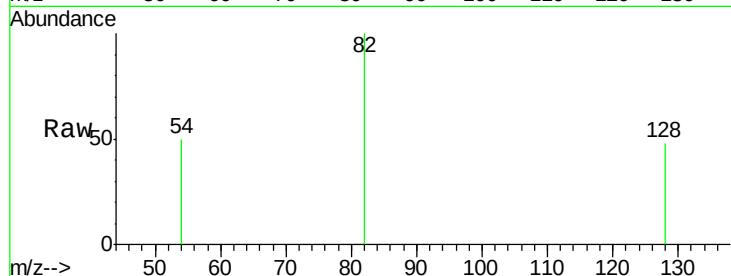
Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

ClientSampleId :

YS19-SS08-1014DL



Tgt Ion: 82 Resp: 46223

Ion Ratio Lower Upper

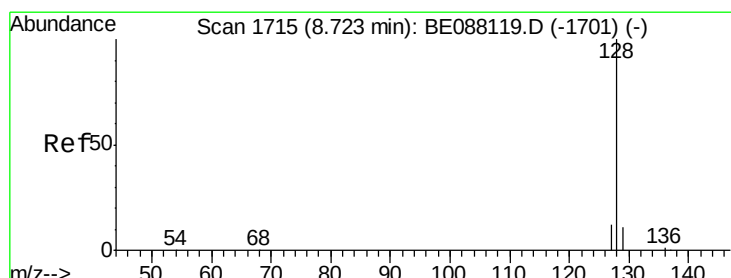
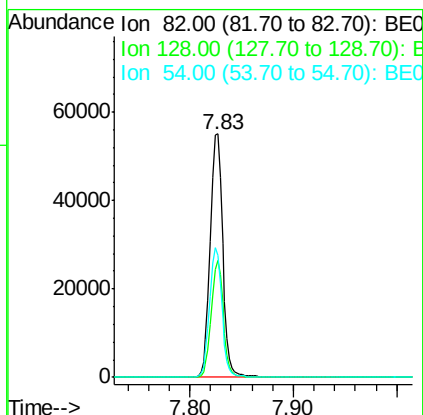
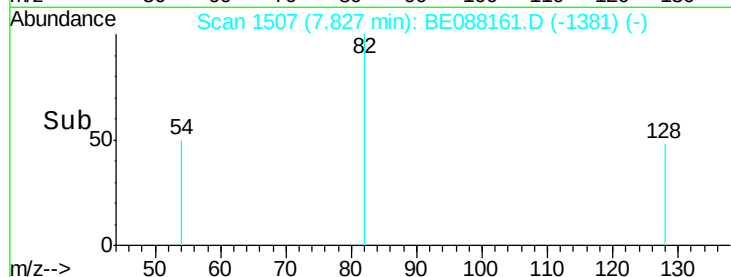
82 100

128 48.1 37.1 55.7

54 50.3 41.1 61.7

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#5

Naphthalene

Concen: 0.50 ng

RT: 8.72 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

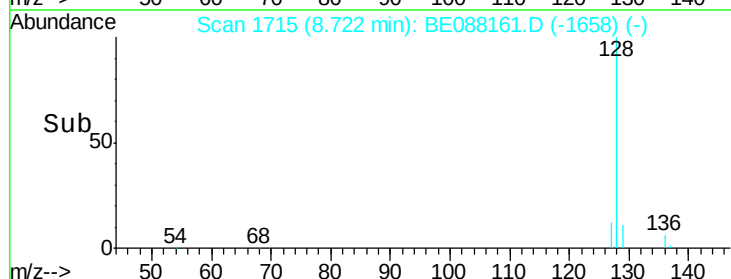
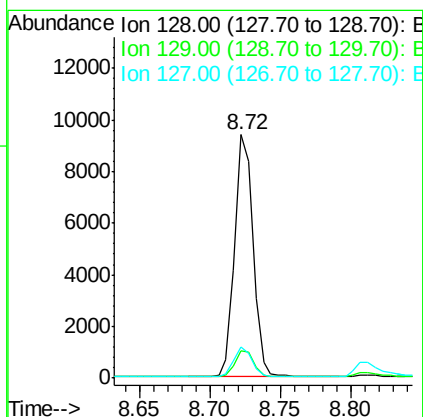
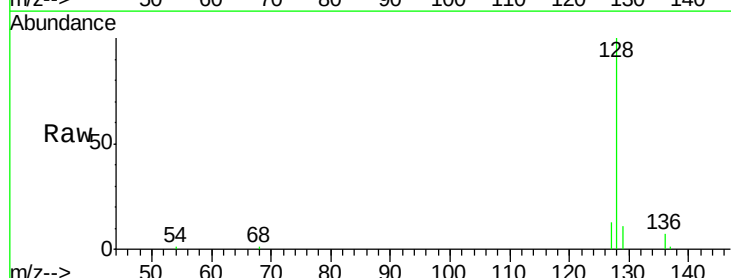
Tgt Ion: 128 Resp: 8436

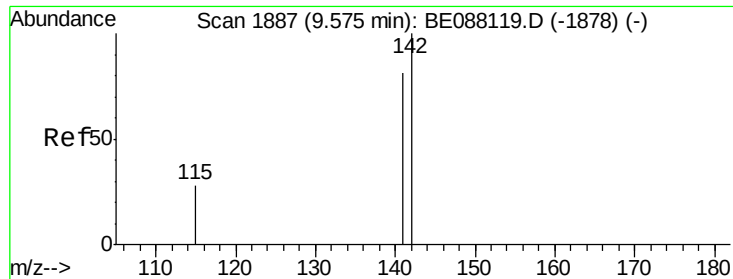
Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 12.9 9.7 14.5





#6

2-Methylnaphthalene

Concen: 0.28 ng

RT: 9.57 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE088161.D

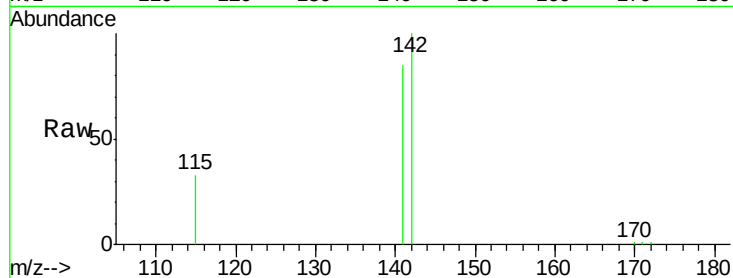
Acq: 22 Oct 2014 2:59

Instrument :

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ClientSampleId :

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Tgt Ion:142 Resp: 2823

Ion Ratio Lower Upper

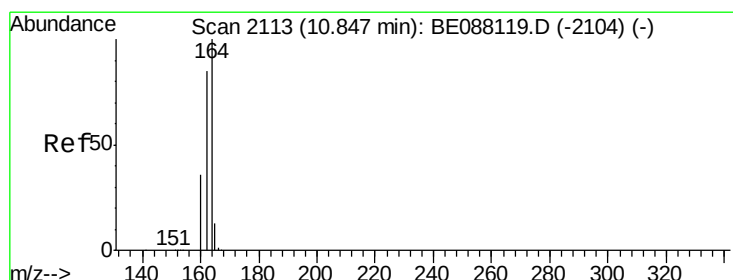
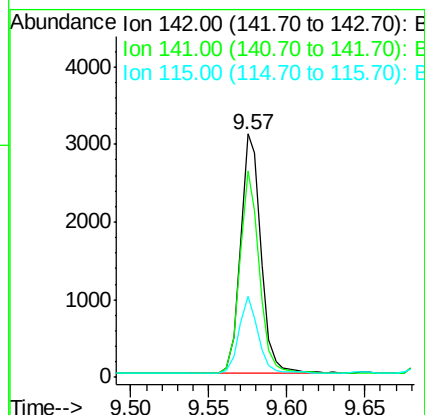
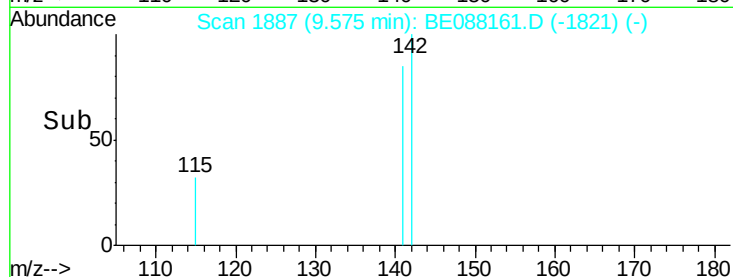
142 100

141 85.0 64.6 97.0

115 33.4 22.6 34.0

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

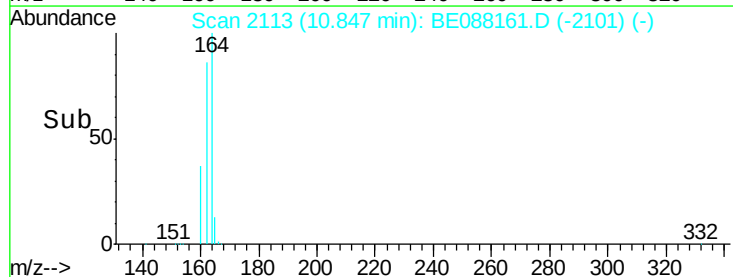
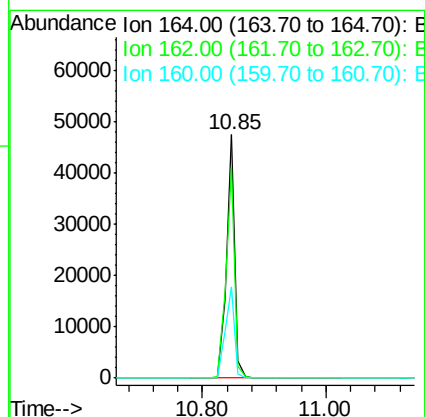
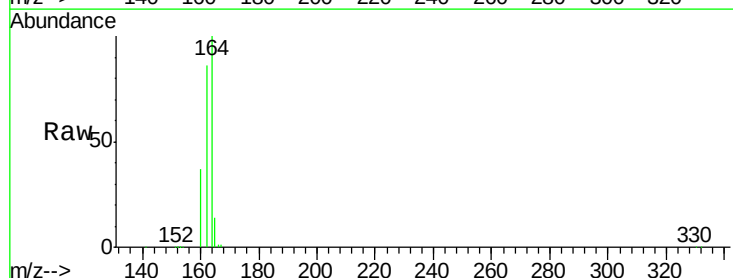
Tgt Ion:164 Resp: 43987

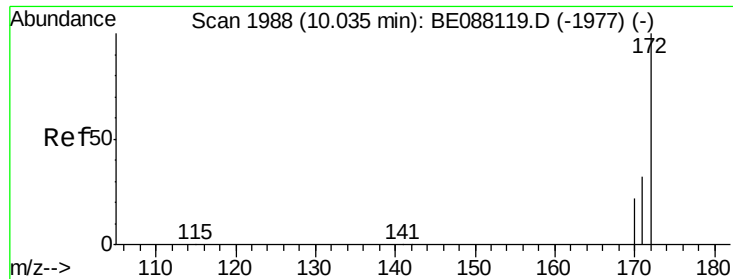
Ion Ratio Lower Upper

164 100

162 86.4 68.3 102.5

160 37.3 28.7 43.1





#8

2-Fluorobiphenyl

Concen: 5.11 ng

RT: 10.03 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BE088161.D

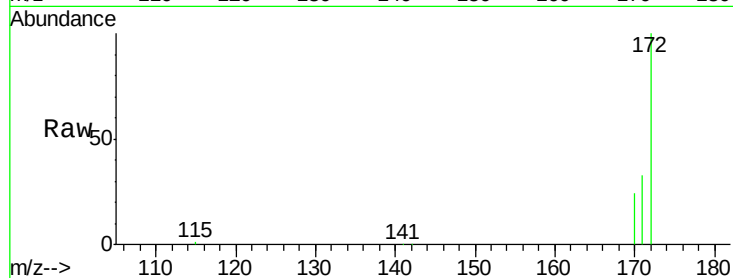
Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

ClientSampleId :

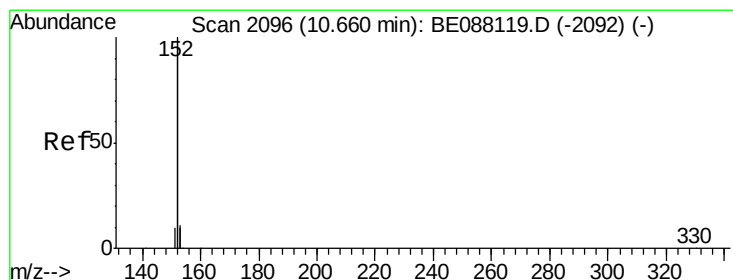
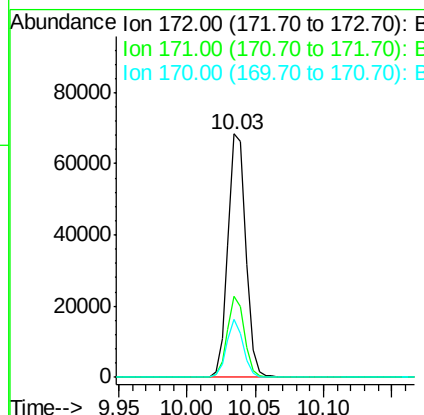
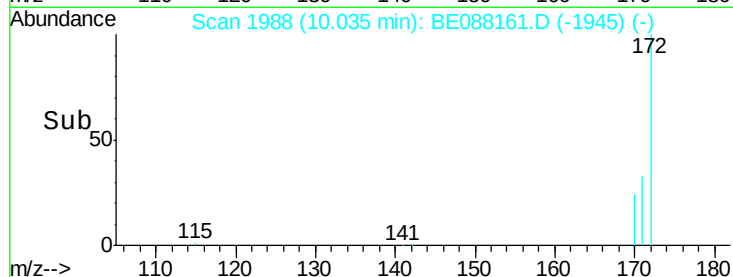
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Tgt Ion:	172	Resp:	62048
Ion Ratio	Lower	Upper	
172	100		
171	33.4	25.4	38.2
170	23.6	17.4	26.2

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#9

Acenaphthylene

Concen: 0.16 ng

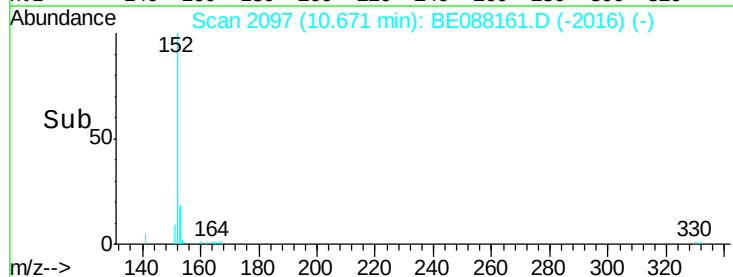
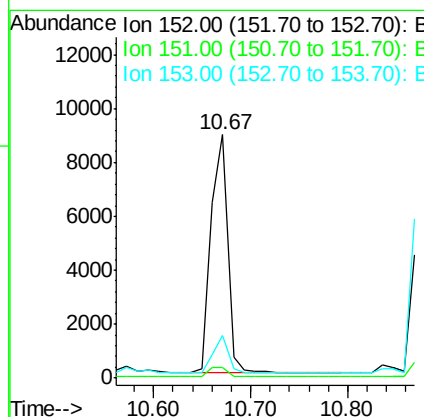
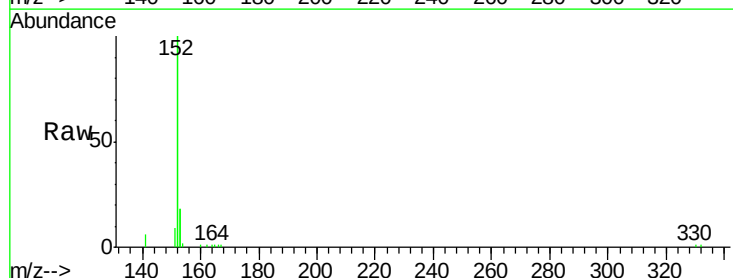
RT: 10.67 min Scan# 2097

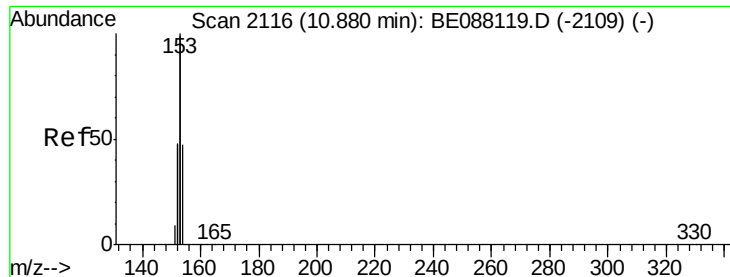
Delta R.T. 0.01 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

Tgt Ion:	152	Resp:	10700
Ion Ratio	Lower	Upper	
152	100		
151	4.5	3.7	5.5
153	0.0	10.4	15.6#





#10

Acenaphthene

Concen: 0.99 ng

RT: 10.88 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

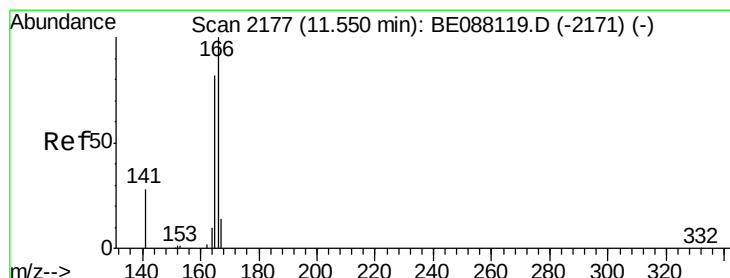
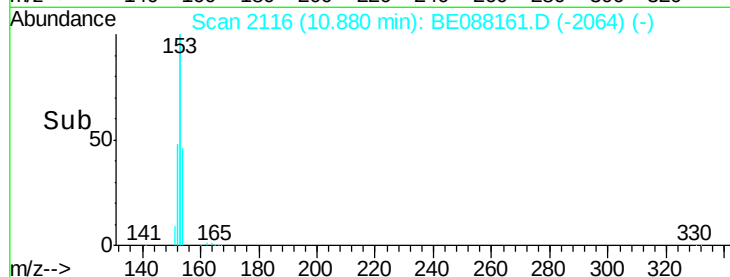
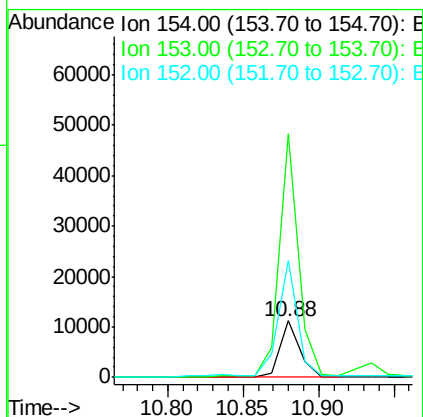
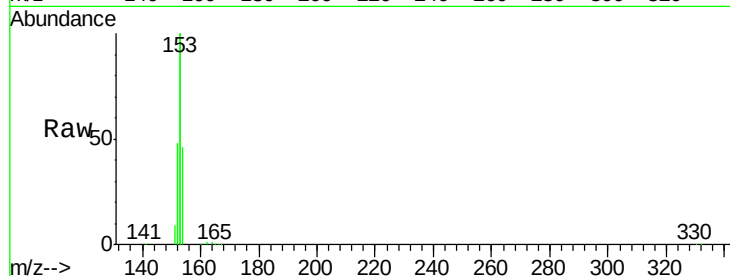
ClientSampleId :

YS19-SS08-1014DL

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Tgt Ion:	154	Resp:	10194
Ion Ratio	Lower	Upper	
154	100		
153	413.1	327.8	491.6
152	203.8	157.6	236.4



#11

Fluorene

Concen: 1.00 ng

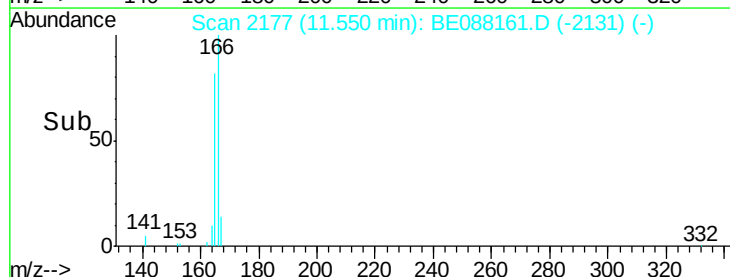
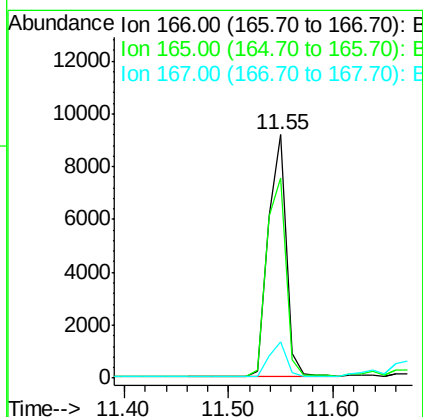
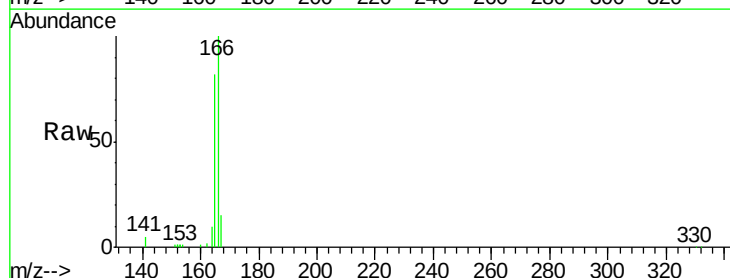
RT: 11.55 min Scan# 2177

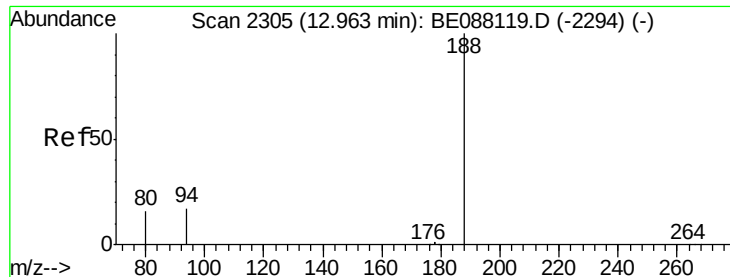
Delta R.T. 0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

Tgt Ion:	166	Resp:	10958
Ion Ratio	Lower	Upper	
166	100		
165	88.9	71.4	107.2
167	13.9	10.6	16.0





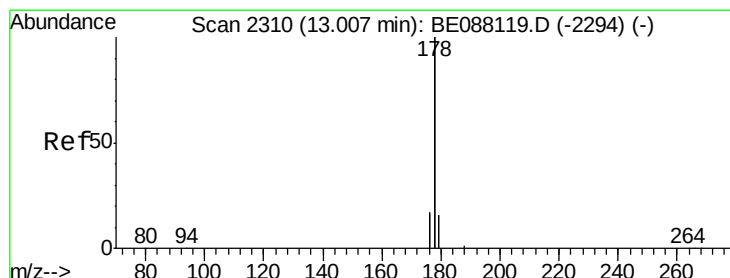
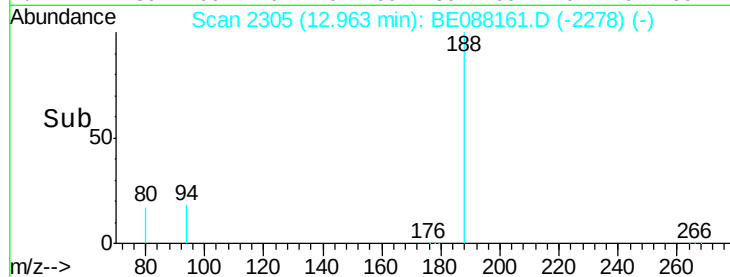
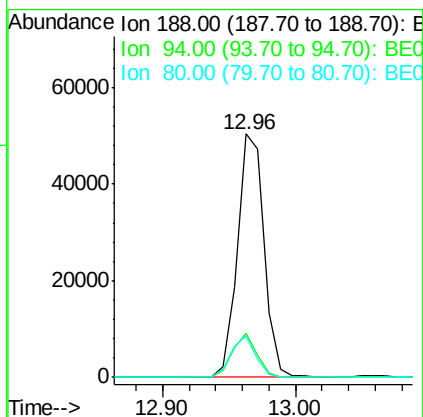
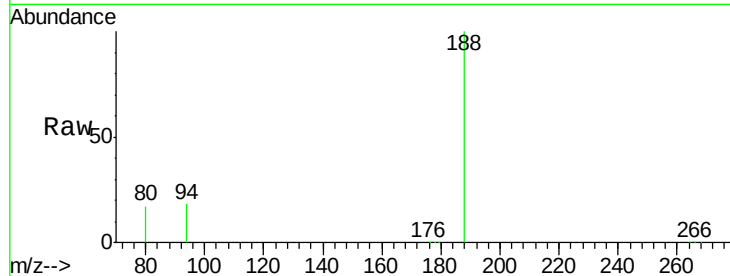
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BE088161.D
Acq: 22 Oct 2014 2:59

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	17.9	13.9	20.9
80	16.9	12.9	19.3

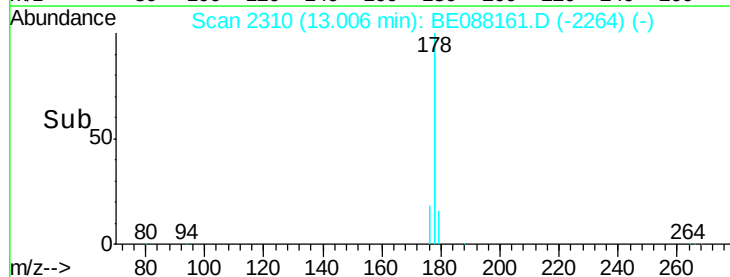
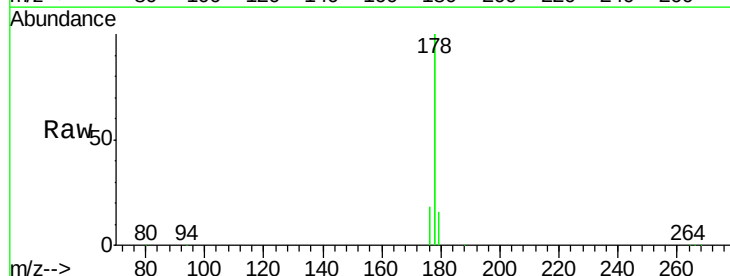
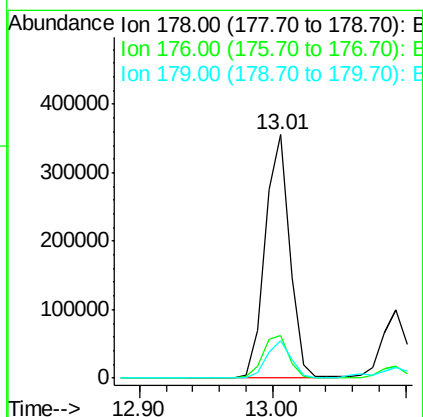
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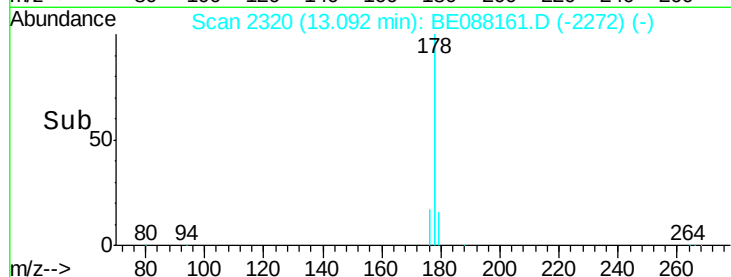
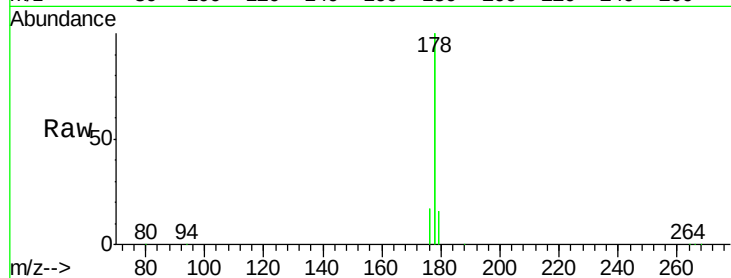
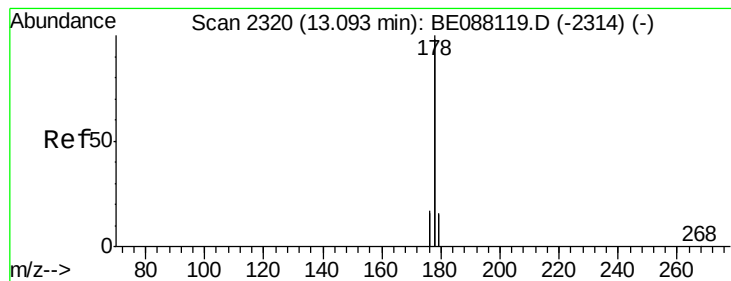
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#13
Phenanthrene
Concen: 9.02 ng
RT: 13.01 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BE088161.D
Acq: 22 Oct 2014 2:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	12.5	18.7
179	15.2	13.5	20.3





#14

Anthracene

Concen: 2.33 ng m

RT: 13.09 min Scan# 2320

Delta R.T. -0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

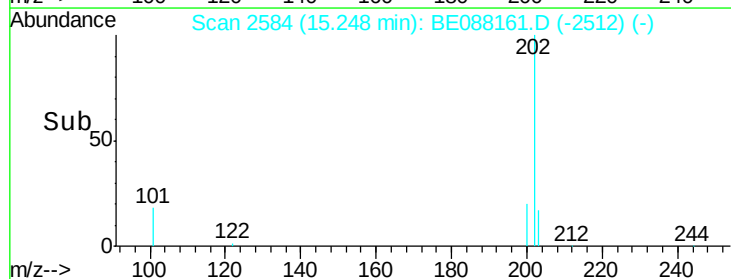
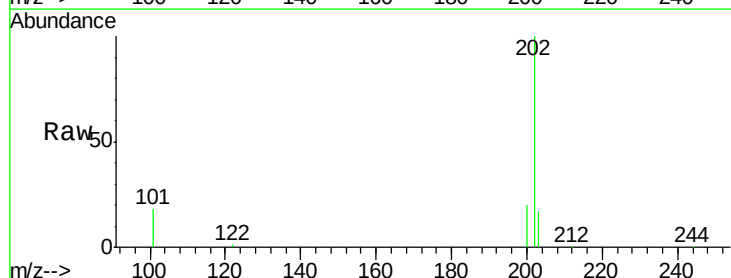
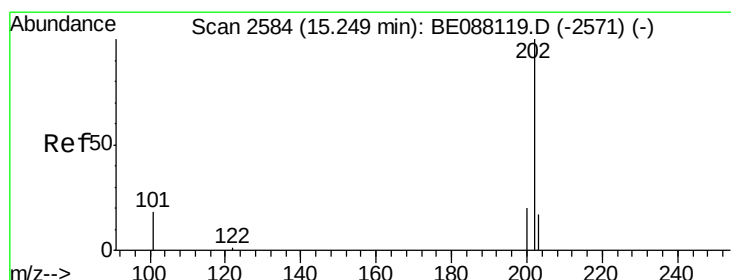
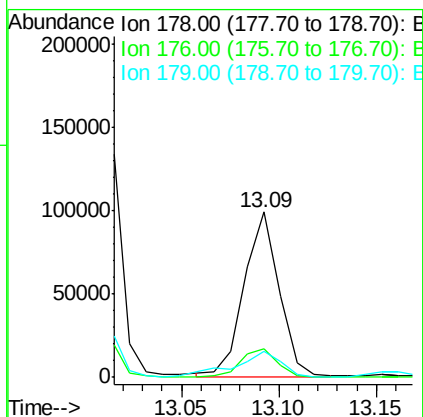
ClientSampleId :

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Tgt	Ion	Resp	Lower	Upper
178	100			
176	66.7	14.6	21.8#	
179	54.6	12.5	18.7#	



#15

Fluoranthene

Concen: 9.07 ng

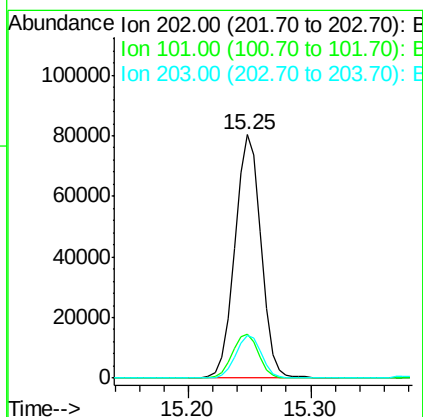
RT: 15.25 min Scan# 2584

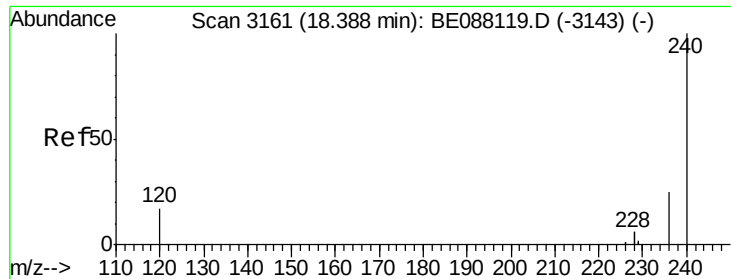
Delta R.T. -0.00 min

Lab File: BE088161.D

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Tgt	Ion	Resp	Lower	Upper
202	100			
101	18.3	14.8	22.2	
203	17.4	13.5	20.3	





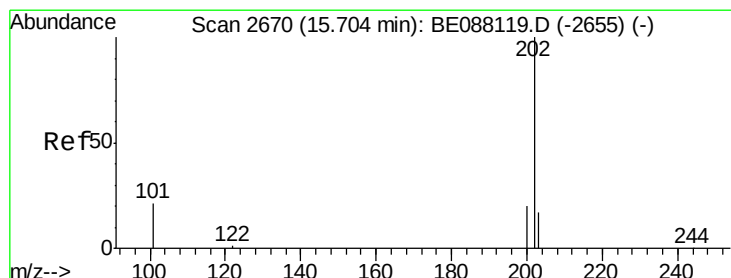
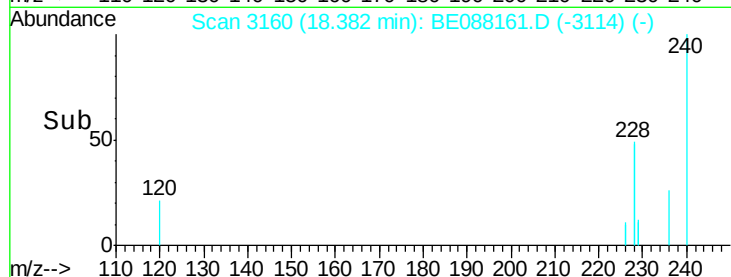
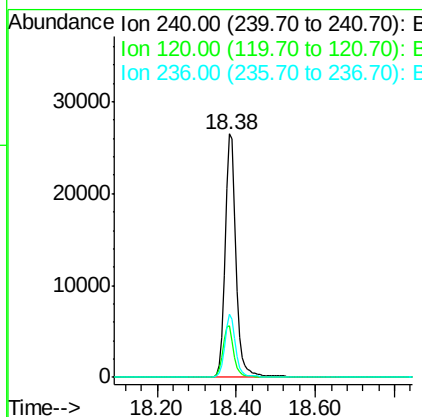
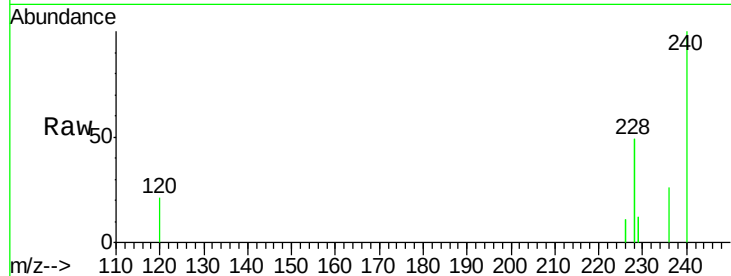
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088161.D
Acq: 22 Oct 2014 2:59

Instrument :
BNA_E
ClientSampleId :
YS19-SS08-1014DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	49370		
120	21.1	13.9	20.9#	
236	25.7	19.9	29.9	

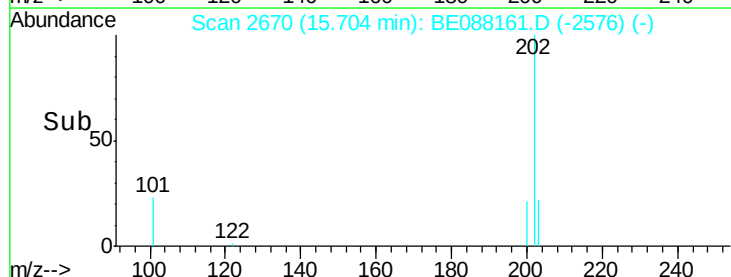
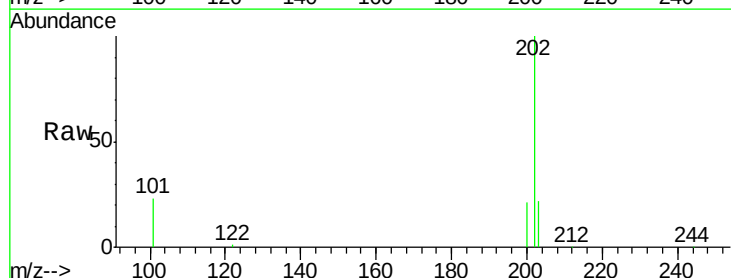
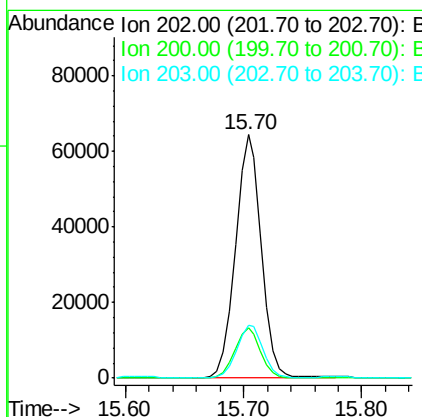
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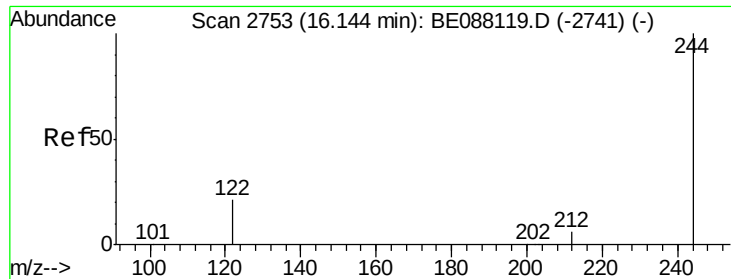
mohammad
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#17
Pyrene
Concen: 7.38 ng m
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088161.D
Acq: 22 Oct 2014 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	99062		
200	24.1	16.1	24.1#	
203	21.0	13.9	20.9#	





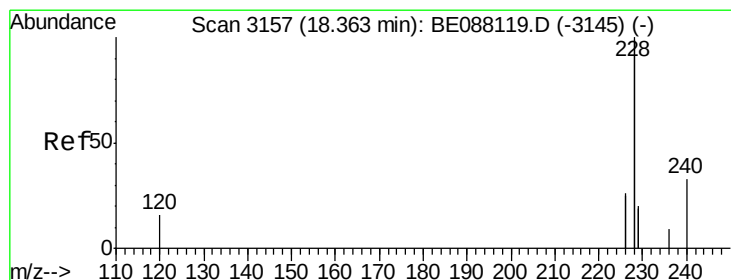
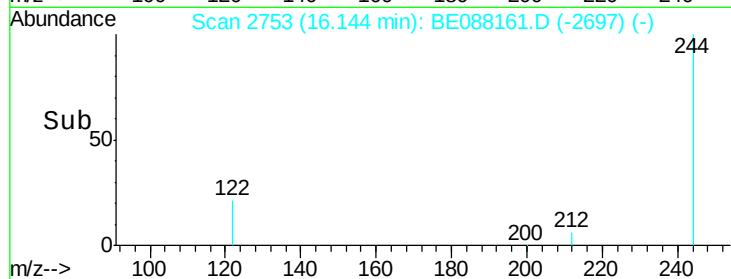
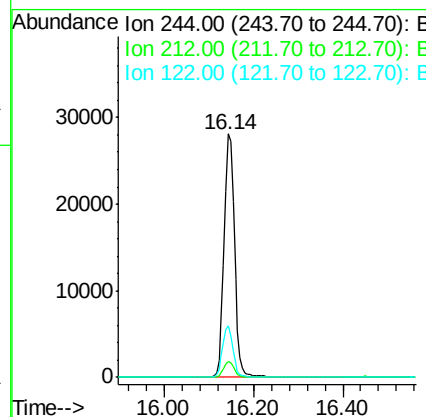
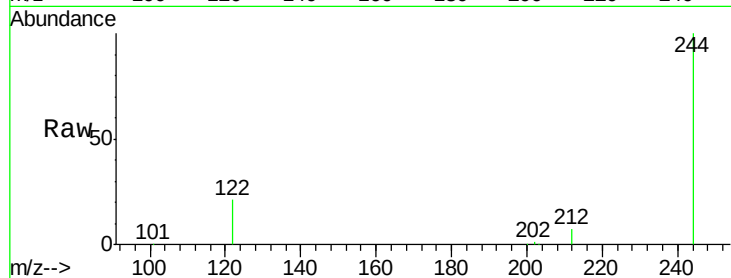
#18
 Terphenyl-d14
 Concen: 5.63 ng
 RT: 16.14 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: BE088161.D
 Acq: 22 Oct 2014 2:59

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS08-1014DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	21.2	17.5	26.3

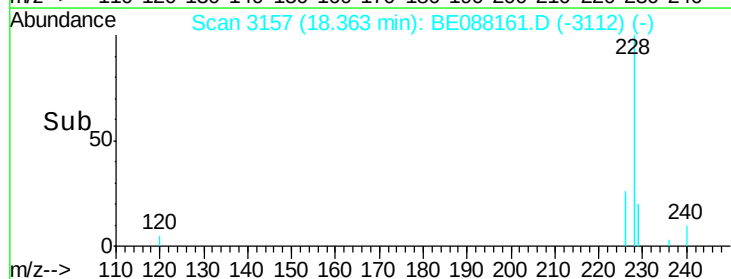
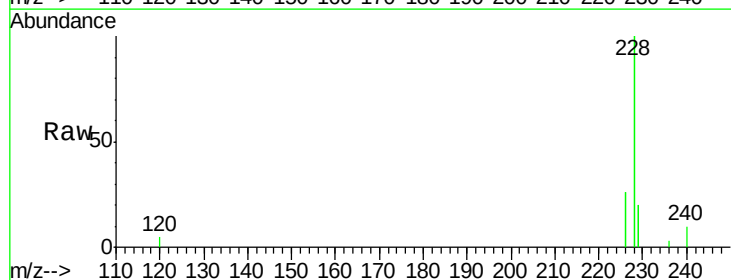
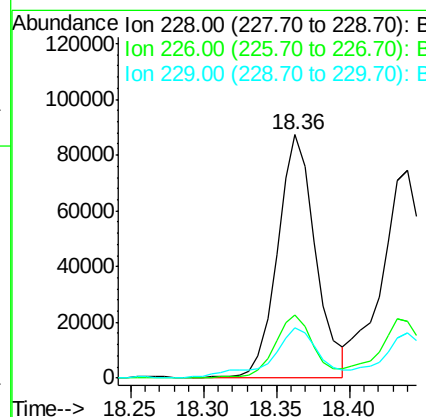
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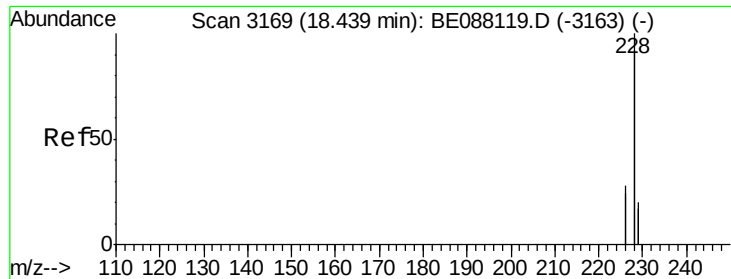
mohammad
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#19
 Benzo(a)anthracene
 Concen: 3.56 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088161.D
 Acq: 22 Oct 2014 2:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.8	31.2
229	20.5	15.6	23.4





#20

Chrysene

Concen: 3.62 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088161.D

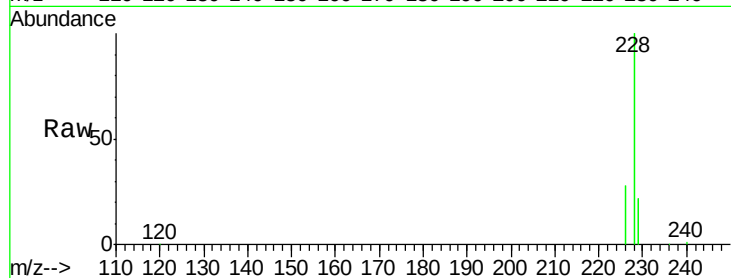
Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

ClientSampleId :

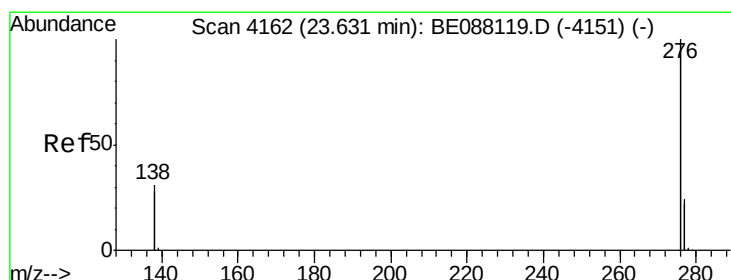
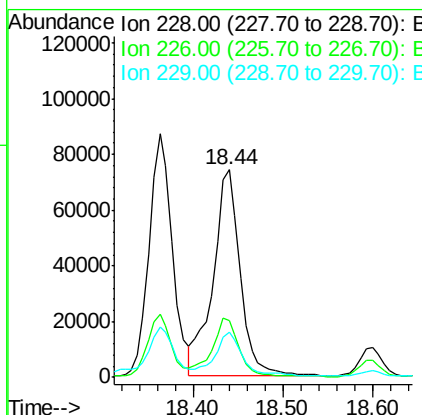
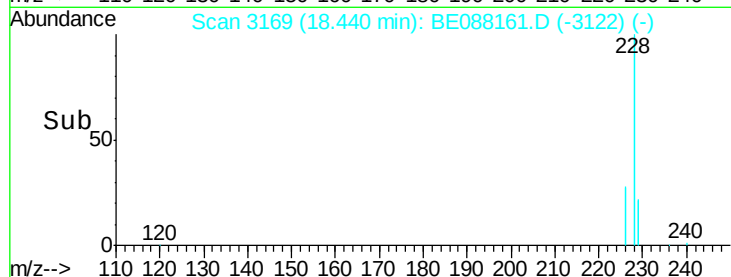
YS19-SS08-1014DL



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	155920		
226	27.5	22.7	34.1	
229	21.9	15.8	23.6	

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.36 ng

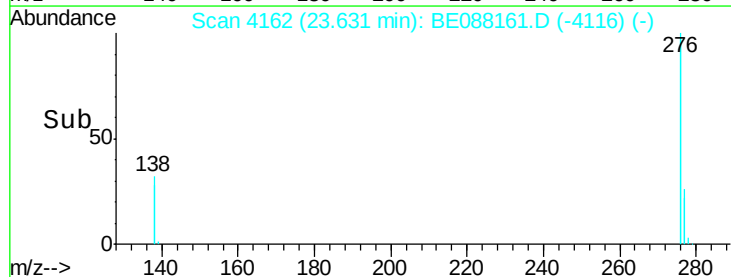
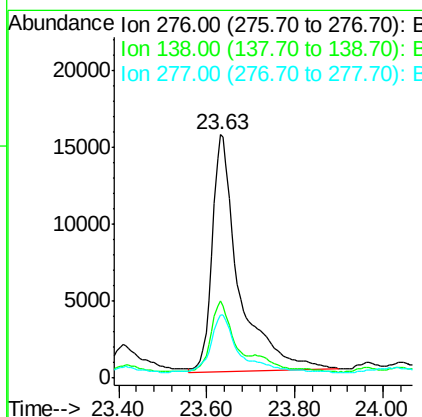
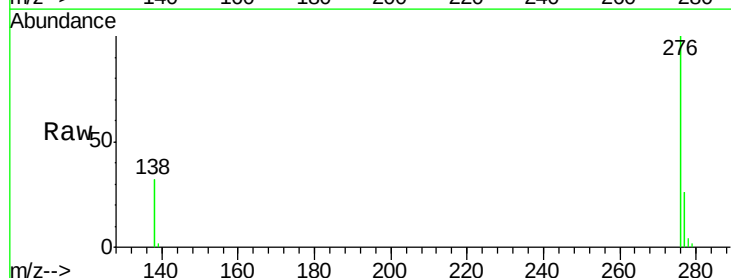
RT: 23.63 min Scan# 4162

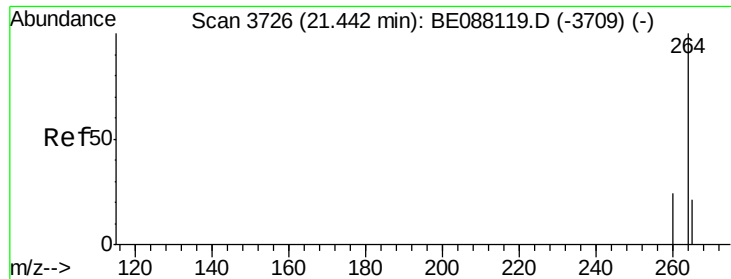
Delta R.T. -0.00 min

Lab File: BE088161.D

Acq: 22 Oct 2014 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	65014		
138	24.1	18.5	27.7	
277	26.9	14.6	21.8#	





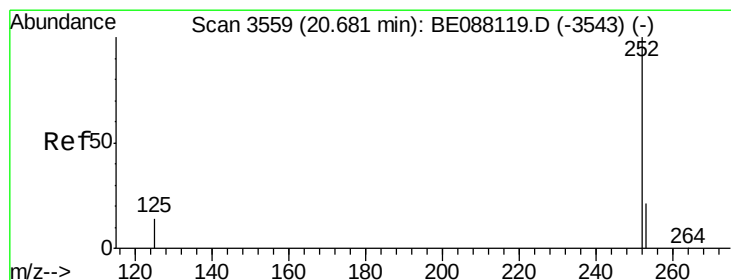
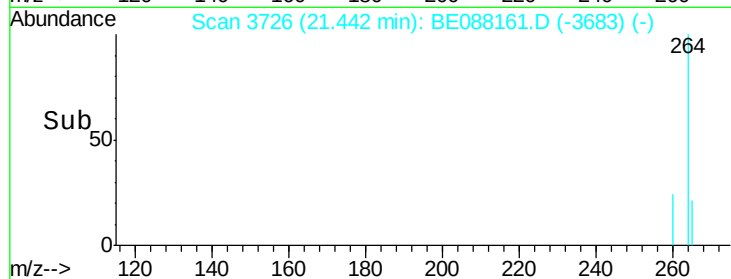
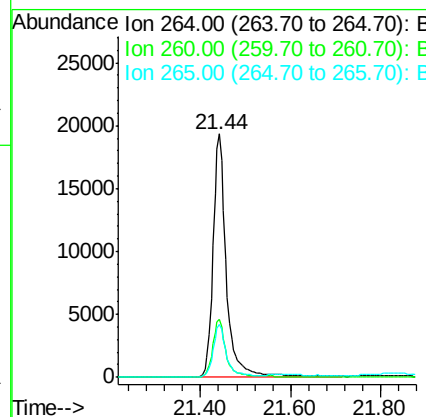
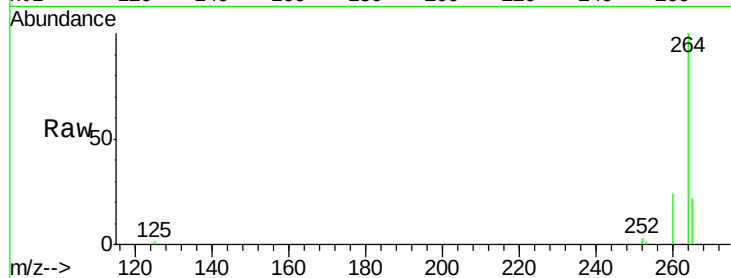
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. -0.00 min
 Lab File: BE088161.D
 Acq: 22 Oct 2014 2:59

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS08-1014DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.7	17.2	25.8

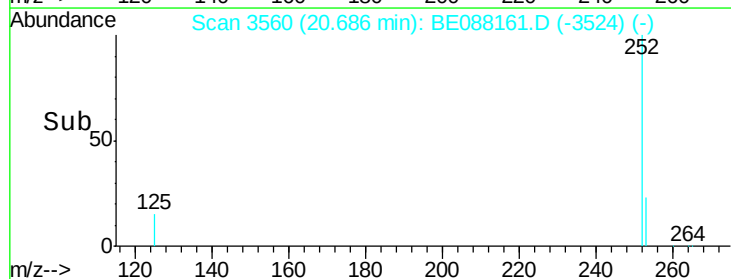
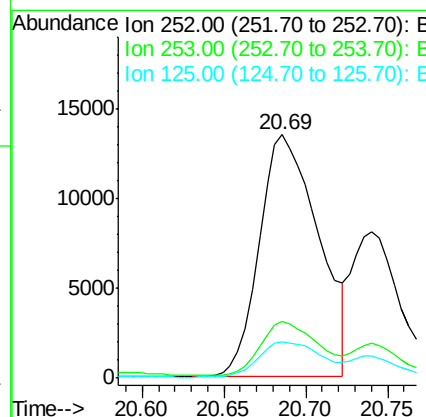
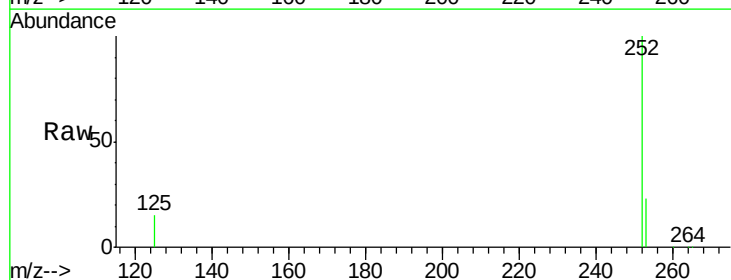
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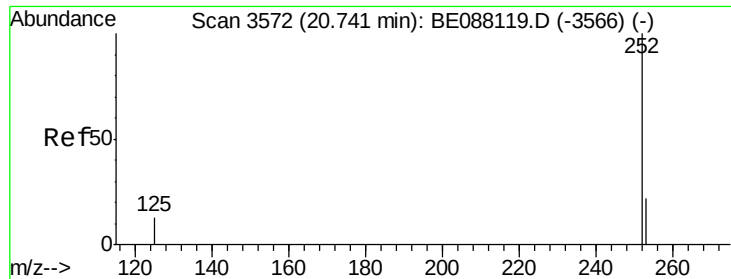
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#23
 Benzo(b)fluoranthene
 Concen: 3.66 ng
 RT: 20.69 min Scan# 3560
 Delta R.T. 0.00 min
 Lab File: BE088161.D
 Acq: 22 Oct 2014 2:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	15.0	11.8	17.8





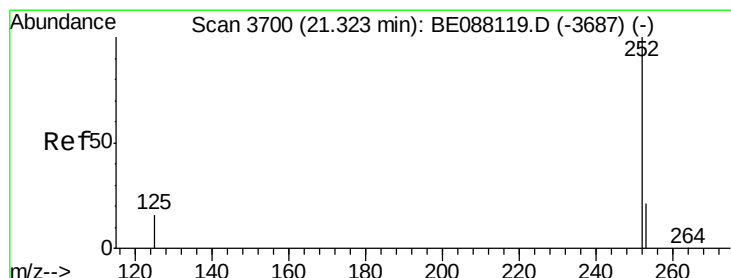
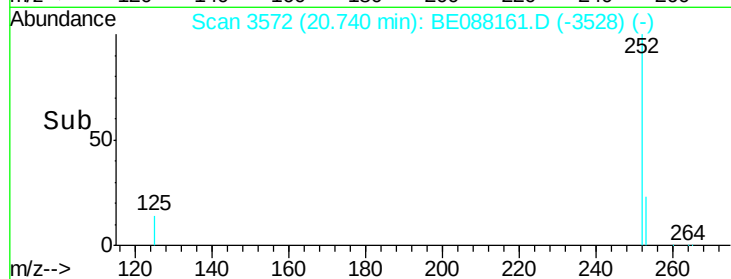
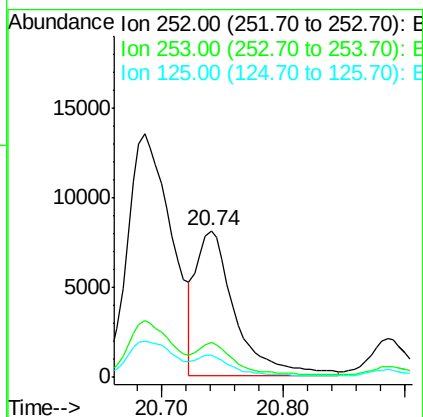
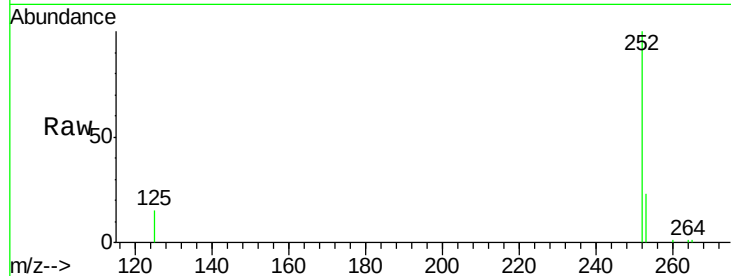
#24
Benzo(k)fluoranthene
Concen: 1.83 ng
RT: 20.74 min Scan# 3572
Delta R.T. -0.00 min
Lab File: BE088161.D
Acq: 22 Oct 2014 2:59

Instrument :
BNA_E
ClientSampleId :
YS19-SS08-1014DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	15.1	11.5	17.3

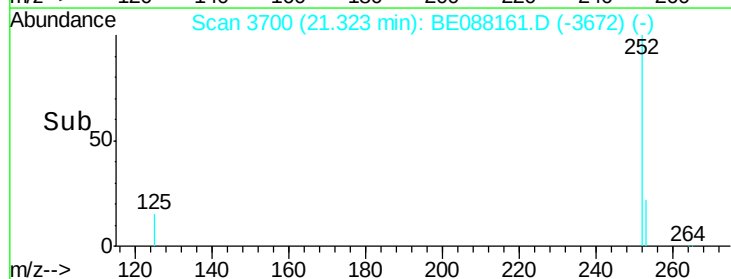
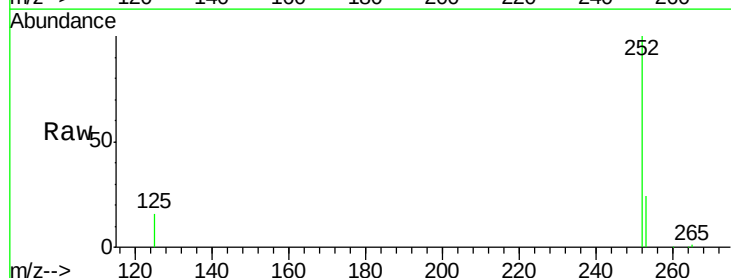
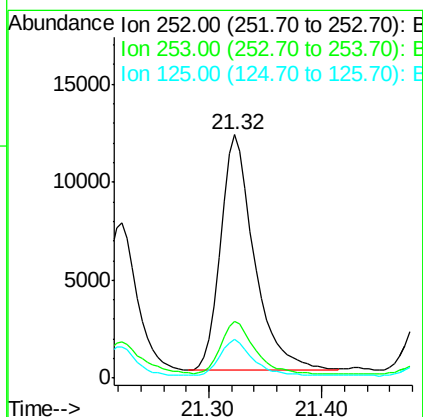
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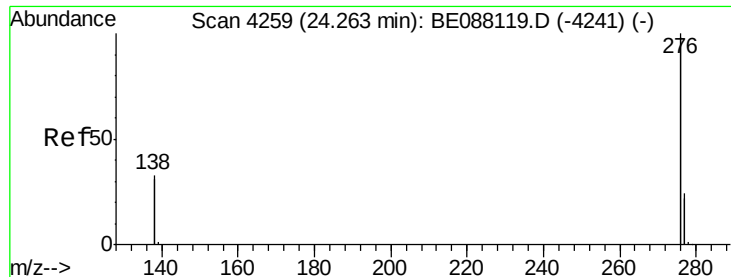
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#25
Benzo(a)pyrene
Concen: 2.88 ng
RT: 21.32 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BE088161.D
Acq: 22 Oct 2014 2:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	15.7	13.0	19.6





#27

Benzo(g,h,i)perylene

Concen: 1.66 ng

RT: 24.26 min Scan# 4259

Delta R.T. -0.00 min

Lab File: BE088161.D

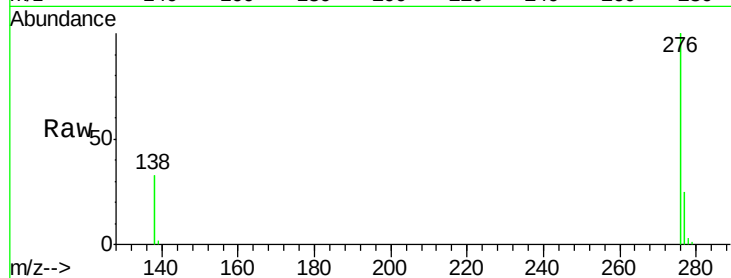
Acq: 22 Oct 2014 2:59

Instrument :

BNA_E

ClientSampleId :

YS19-SS08-1014DL



Tgt Ion: 276 Resp: 61652

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 32.8 26.6 40.0

Manual Integrations
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