

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088153.D
 Acq On : 21 Oct 2014 21:19
 Operator : TP/JJ
 Sample : F4351-14MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW10-1014MS

Manual Integrations
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 10/22/2014 1:53:55 PM

Quant Time: Oct 22 05:01:55 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	24661	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	99310	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	51779	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	101430	5.00	ng	0.00
16) Chrysene-d12	18.39	240	60337	5.00	ng	0.00
22) Perylene-d12	21.44	264	48185	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	43013	6.01	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	89373	6.25	ng	0.00
18) Terphenyl-d14	16.15	244	93012	9.58	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.31	88	8097	2.28	ng	# 86
5) Naphthalene	8.72	128	118609	5.79	ng	99
6) 2-Methylnaphthalene	9.58	142	79834	6.51	ng	95
9) Acenaphthylene	10.67	152	484203	6.14	ng	100
10) Acenaphthene	10.88	154	72580	5.96	ng	100
11) Fluorene	11.55	166	88397	6.85	ng	100
13) Phenanthrene	13.01	178	534524	7.25	ng	95
14) Anthracene	13.09	178	537626	6.79	ng	99
15) Fluoranthene	15.25	202	129428	6.71	ng	99
17) Pyrene	15.71	202	133774	8.15	ng	99
19) Benzo(a)anthracene	18.36	228	396848	7.40	ng	100
20) Chrysene	18.44	228	385744	7.33	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	372031m	6.36	ng	
23) Benzo(b)fluoranthene	20.69	252	86262	7.52	ng	99
24) Benzo(k)fluoranthene	20.75	252	91997	7.49	ng	99
25) Benzo(a)pyrene	21.32	252	81313	7.70	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	75494	7.29	ng	97
27) Benzo(g,h,i)perylene	24.27	276	335525	7.33	ng	98

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

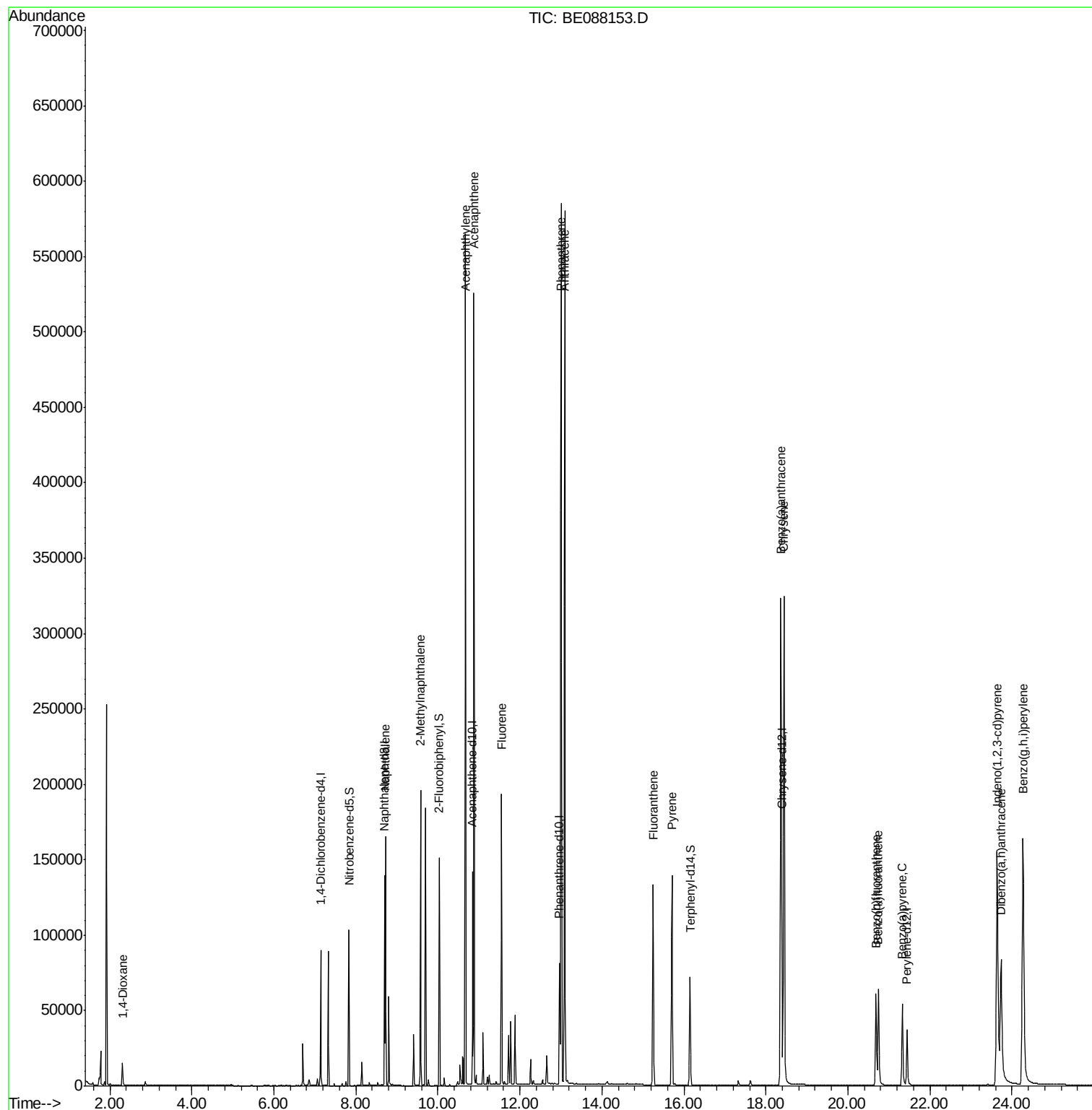
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088153.D
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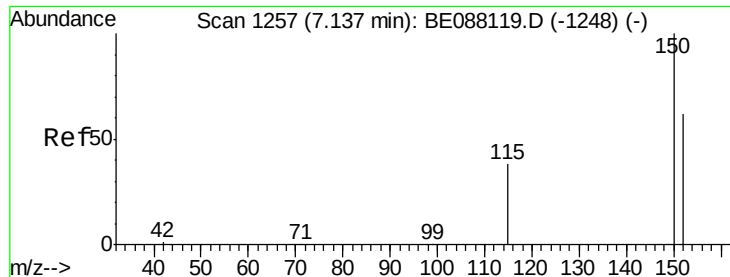
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088153.D

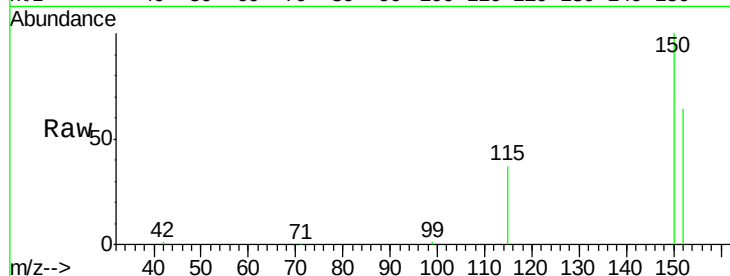
Acq: 21 Oct 2014 21:19

Instrument :

BNA_E

ClientSampleId :

YS19-SW10-1014MS



Tgt Ion: 152 Resp: 24661

Ion Ratio Lower Upper

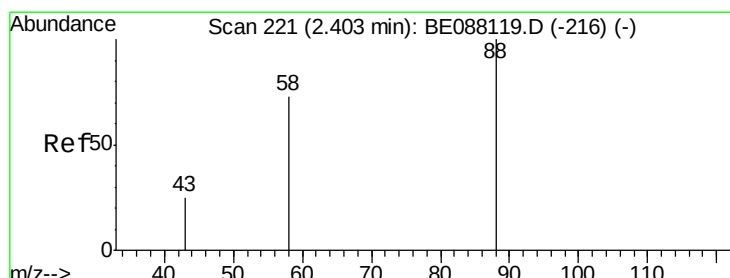
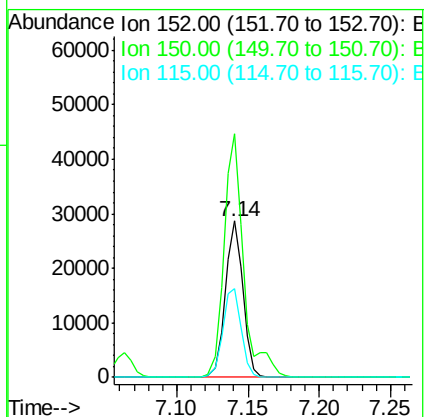
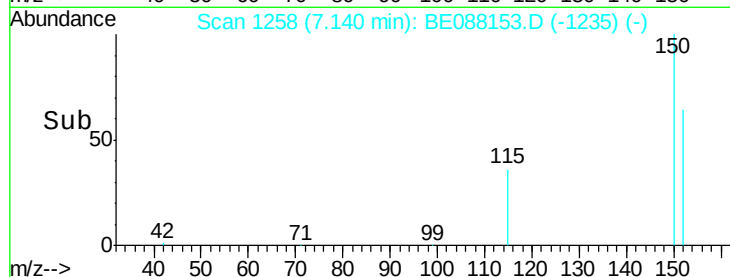
152 100

150 155.6 129.2 193.8

115 56.9 49.3 73.9

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#2

1,4-Dioxane

Concen: 2.28 ng

RT: 2.31 min Scan# 200

Delta R.T. -0.10 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

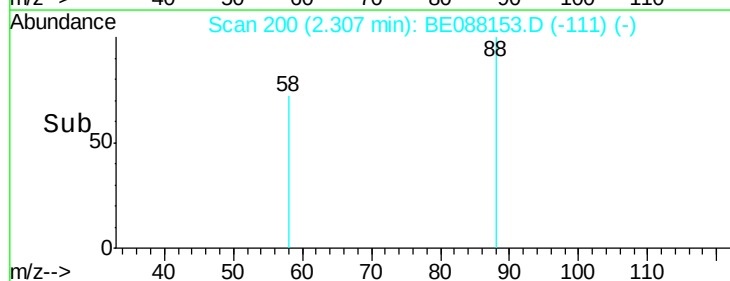
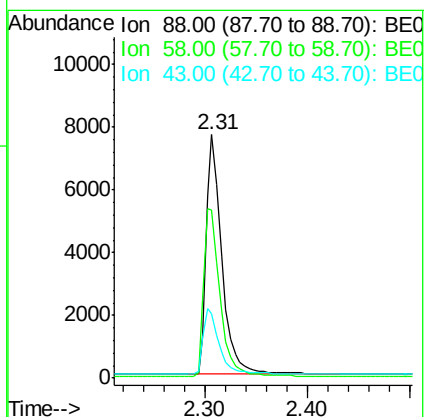
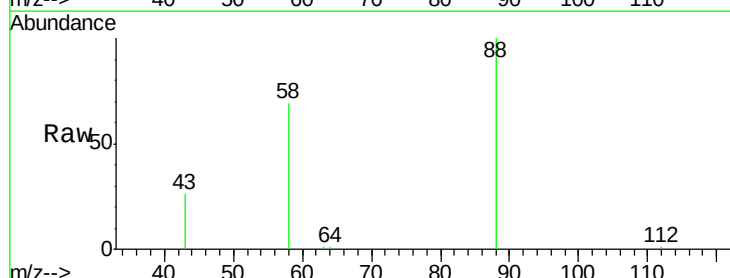
Tgt Ion: 88 Resp: 8097

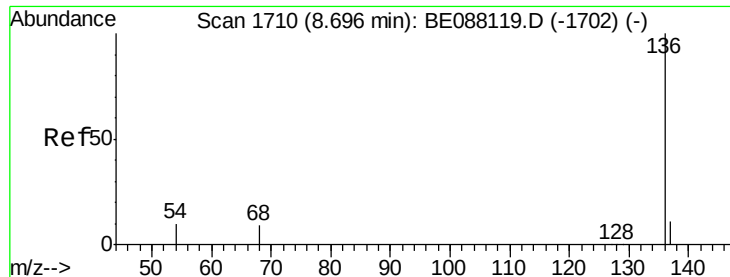
Ion Ratio Lower Upper

88 100

58 75.0 59.5 89.3

43 0.0 21.2 31.8#





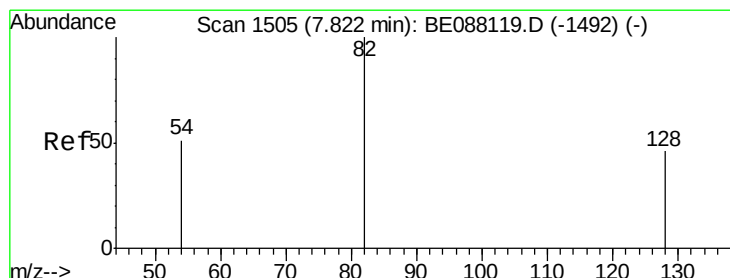
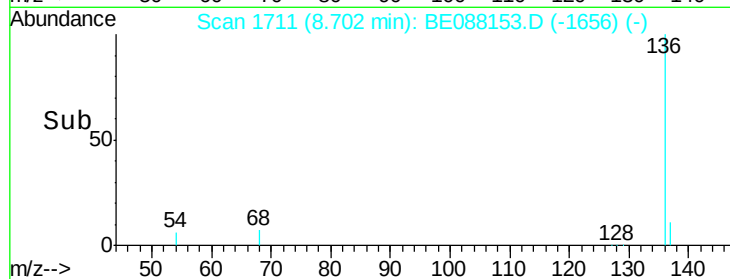
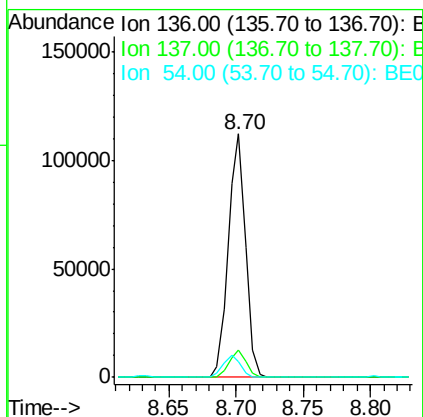
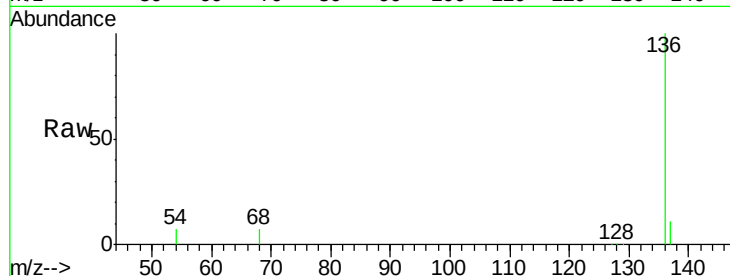
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.01 min
Lab File: BE088153.D
Acq: 21 Oct 2014 21:19

Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.0	8.6	12.8
54	6.6	7.7	11.5#

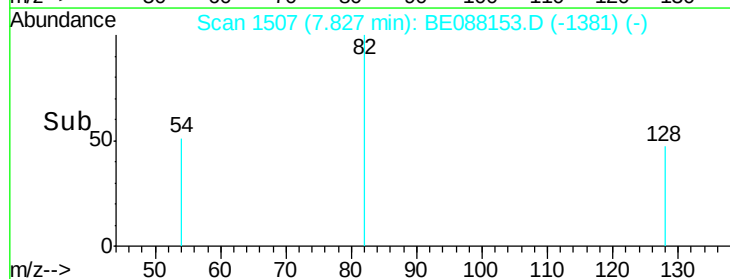
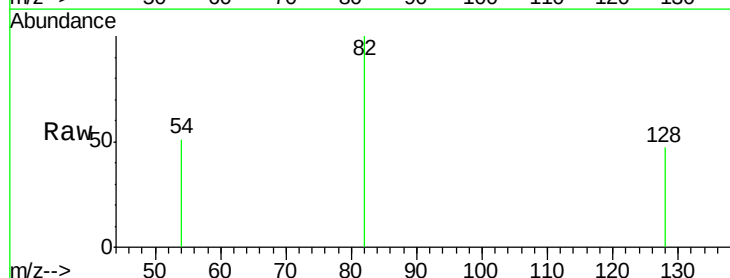
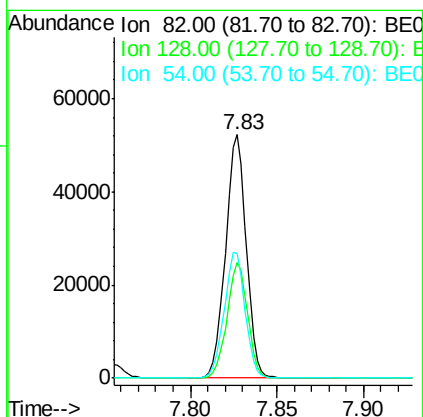
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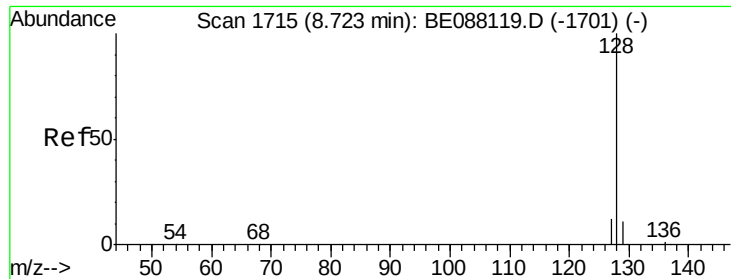
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#4
Nitrobenzene-d5
Concen: 6.01 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088153.D
Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.5	37.1	55.7
54	51.0	41.1	61.7





#5

Naphthalene

Concen: 5.79 ng

RT: 8.72 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE088153.D

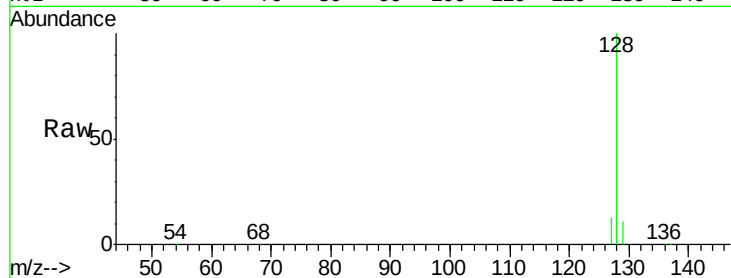
Acq: 21 Oct 2014 21:19

Instrument :

BNA_E

ClientSampleId :

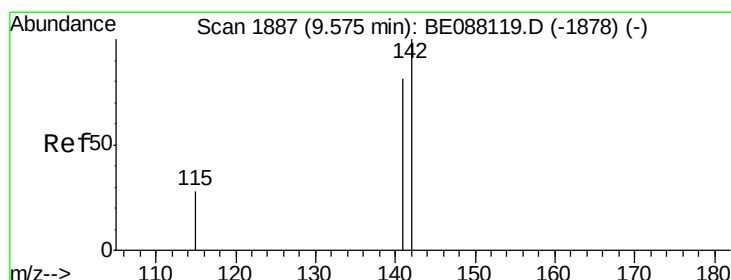
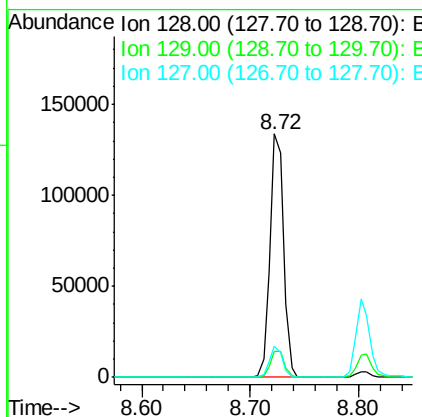
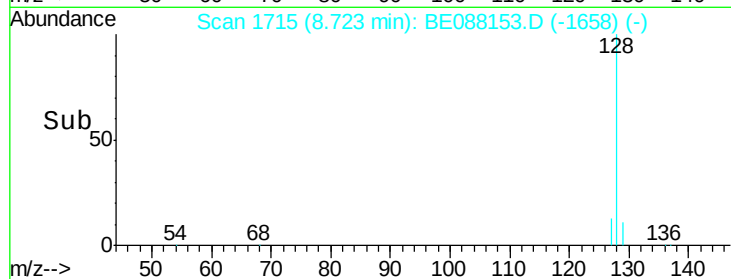
YS19-SW10-1014MS



Tgt Ion:	128	Resp:	118609
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.9	13.3
127	12.8	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 6.51 ng

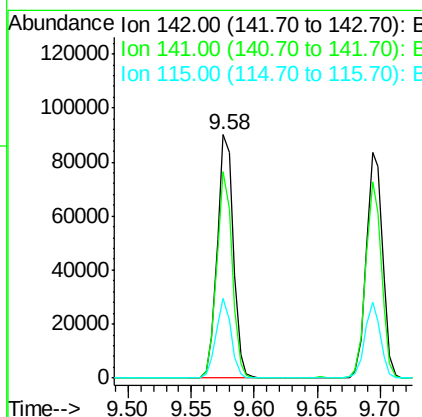
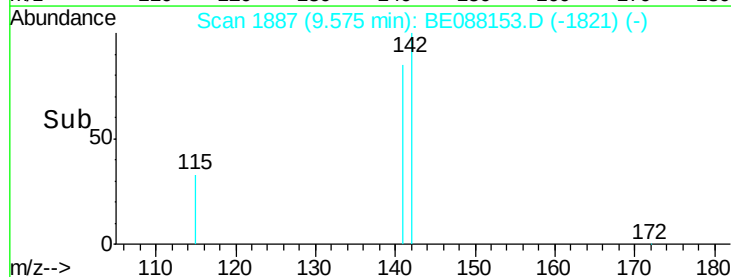
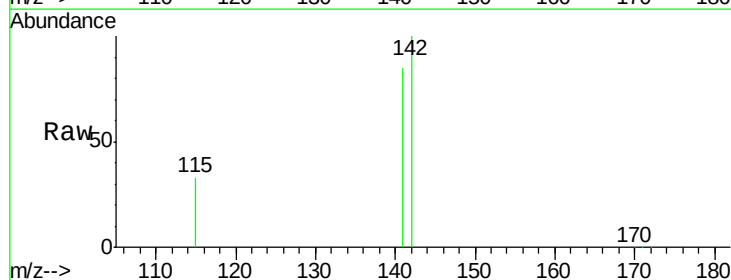
RT: 9.58 min Scan# 1887

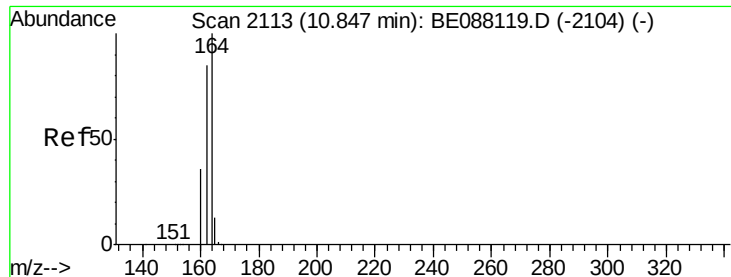
Delta R.T. 0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

Tgt Ion:	142	Resp:	79834
Ion Ratio	Lower	Upper	
142	100		
141	84.7	64.6	97.0
115	32.6	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE088153.D

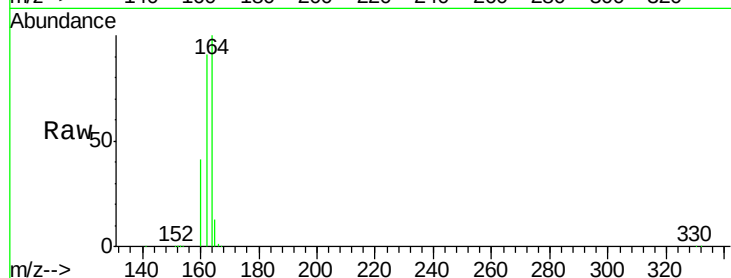
Acq: 21 Oct 2014 21:19

Instrument :

BNA_E

ClientSampleId :

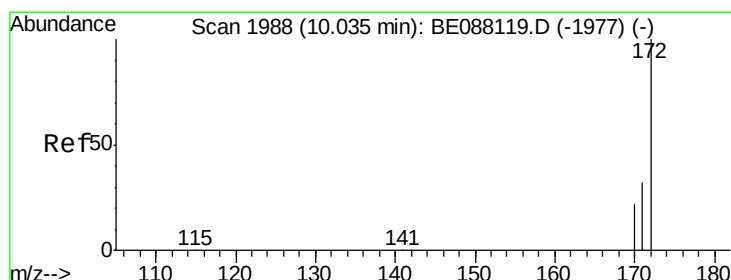
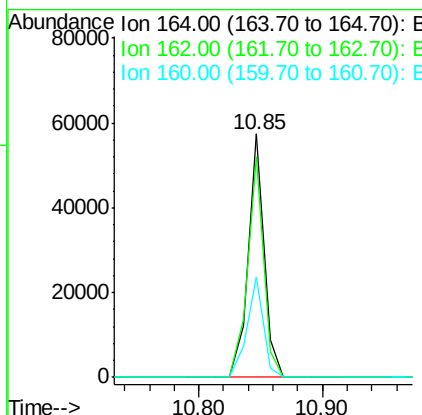
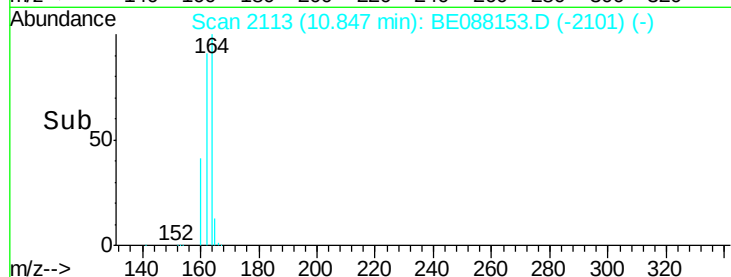
YS19-SW10-1014MS



Tgt Ion	Ratio	Lower	Upper
164	100		
162	90.7	68.3	102.5
160	41.1	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 6.25 ng

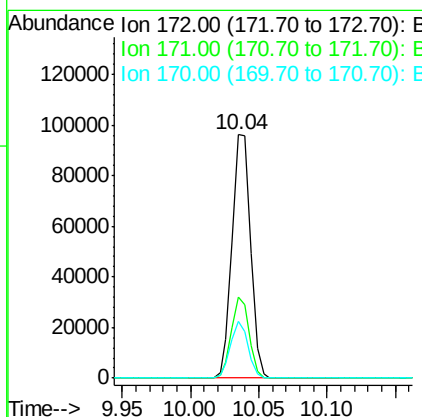
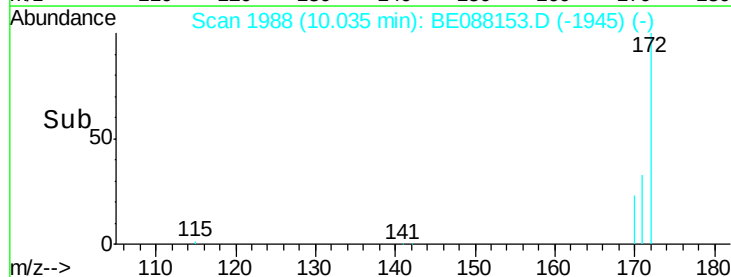
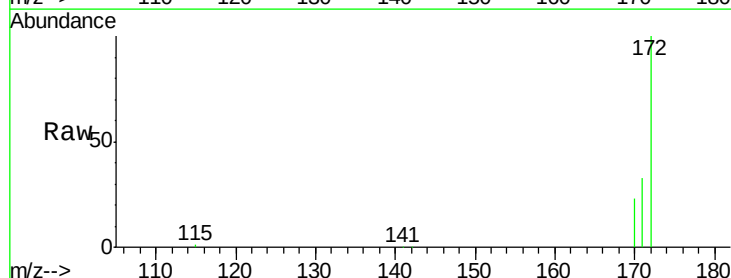
RT: 10.04 min Scan# 1988

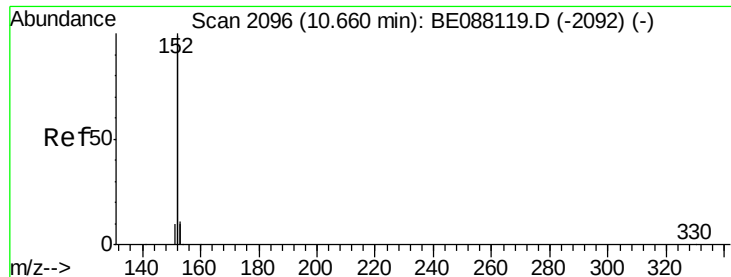
Delta R.T. 0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.2	25.4	38.2
170	23.4	17.4	26.2





#9

Acenaphthylene

Concen: 6.14 ng

RT: 10.67 min Scan# 2097

Delta R.T. 0.01 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

Instrument :

BNA_E

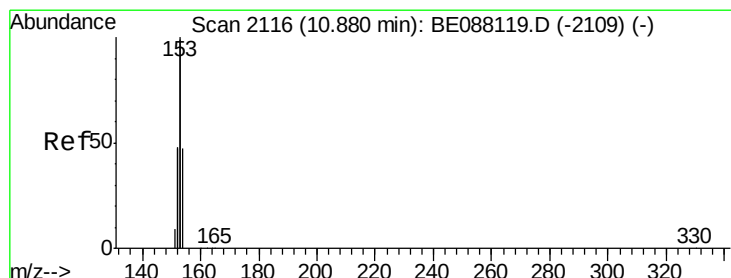
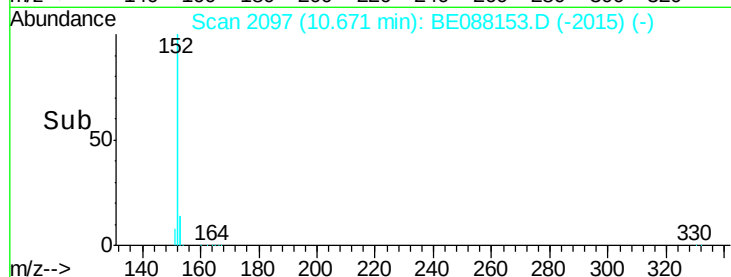
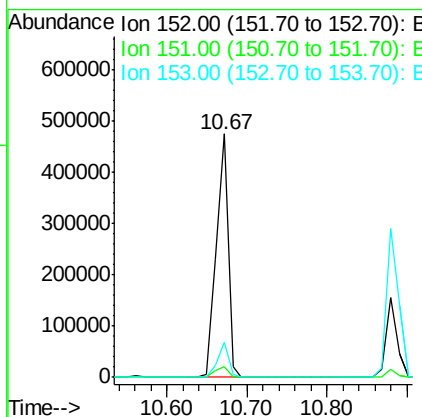
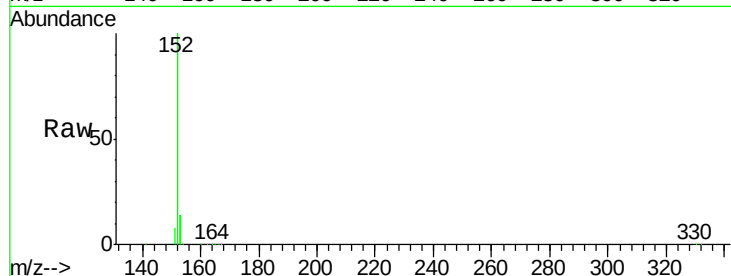
ClientSampleId :

YS19-SW10-1014MS

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Tgt Ion:	152	Resp:	484203
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6



#10

Acenaphthene

Concen: 5.96 ng

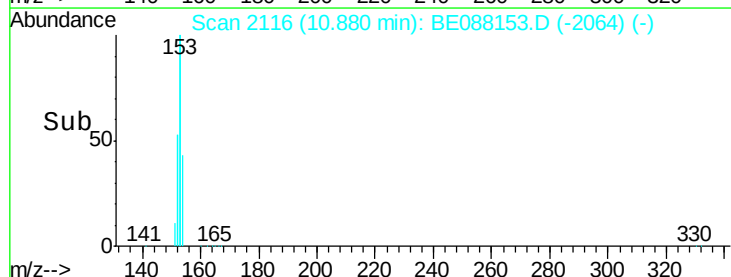
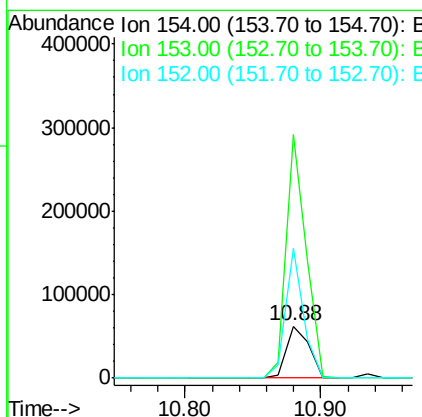
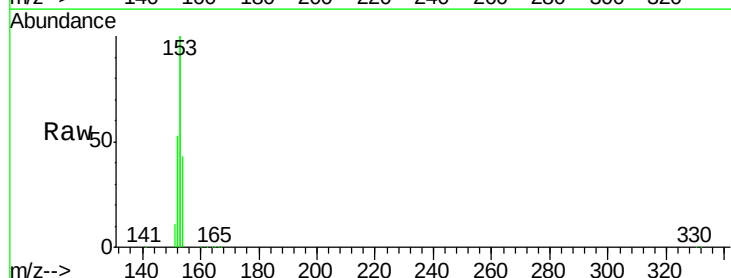
RT: 10.88 min Scan# 2116

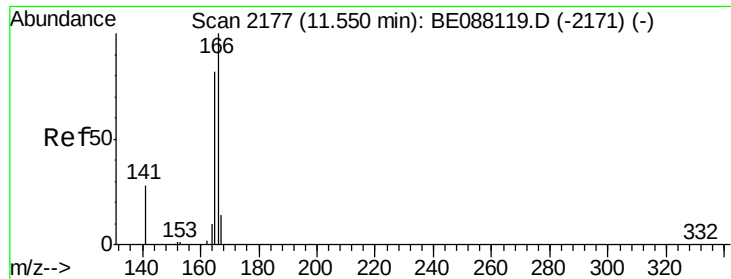
Delta R.T. -0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

Tgt Ion:	154	Resp:	72580
Ion Ratio	Lower	Upper	
154	100		
153	410.9	327.8	491.6
152	197.8	157.6	236.4





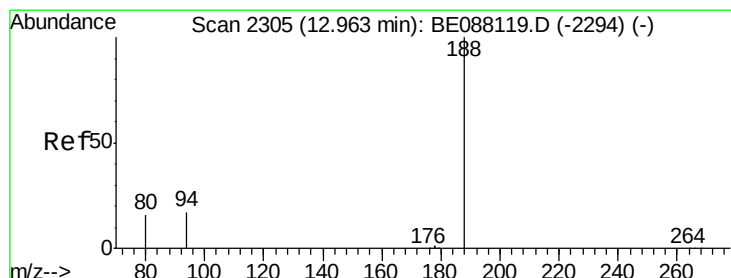
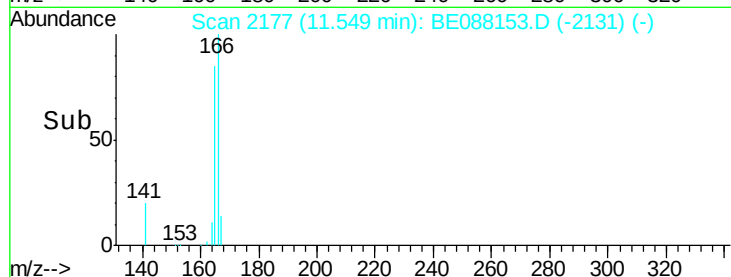
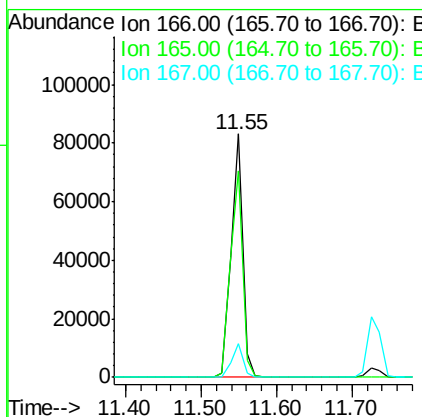
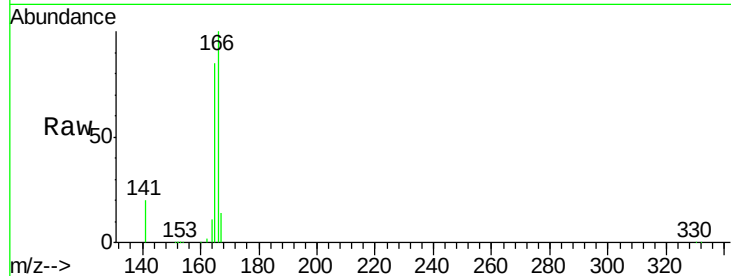
#11
Fluorene
 Concen: 6.85 ng
 RT: 11.55 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

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 BNA_E
 ClientSampleId :
 YS19-SW10-1014MS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.6	71.4	107.2
167	13.5	10.6	16.0

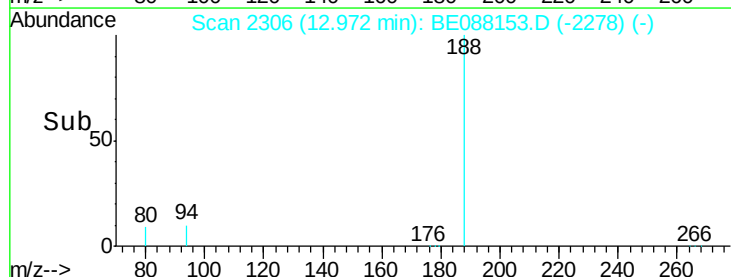
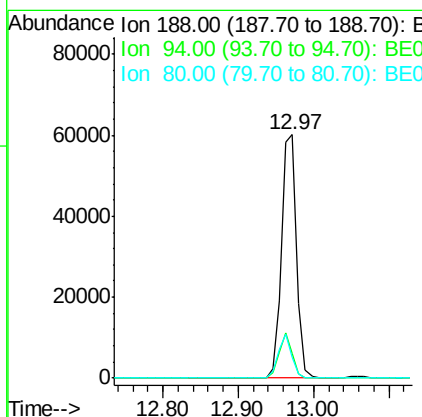
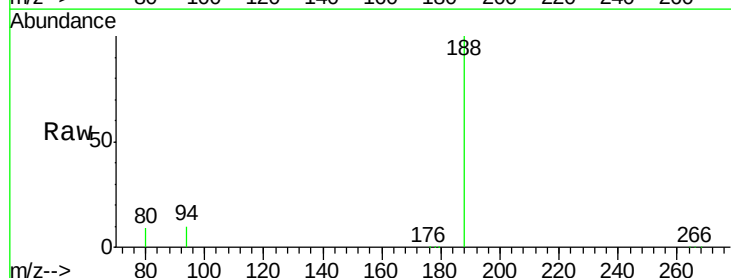
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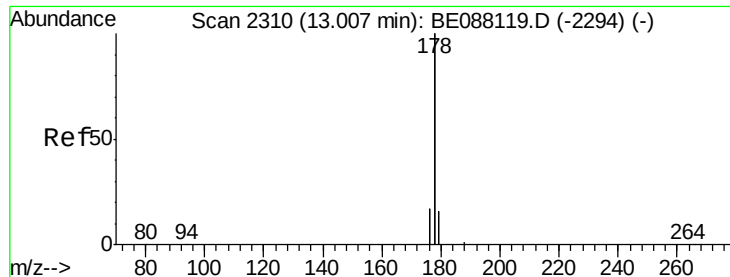
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.97 min Scan# 2306
 Delta R.T. 0.01 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	13.9	20.9#
80	8.8	12.9	19.3#





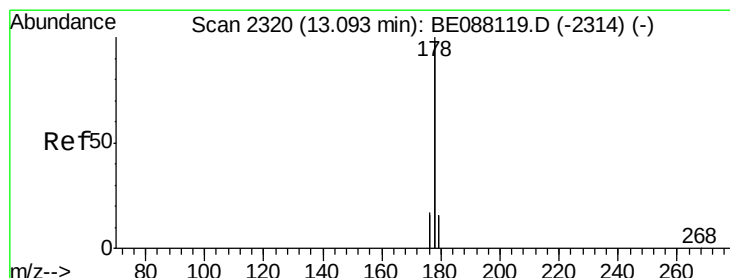
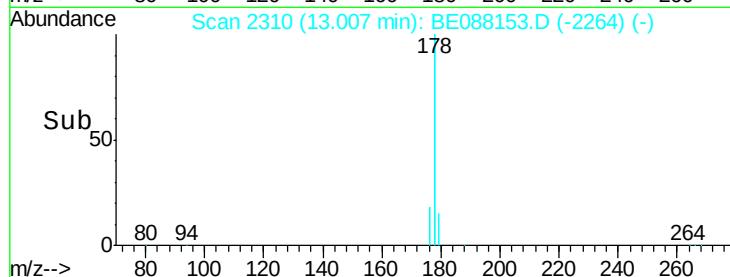
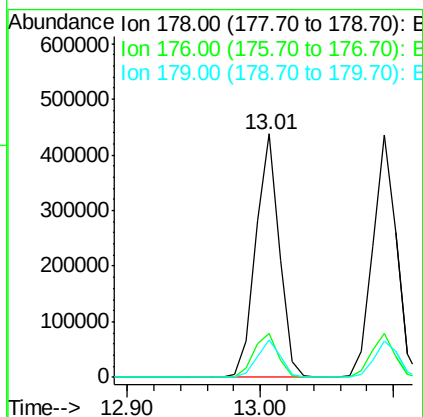
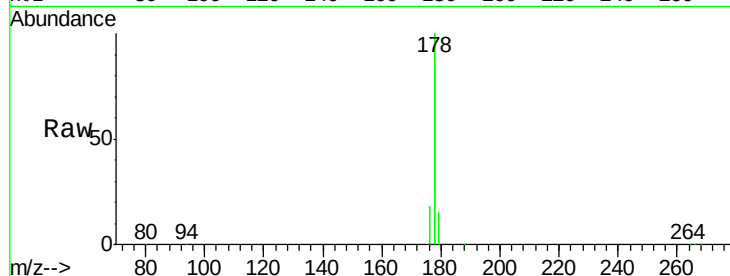
#13
Phenanthrene
Concen: 7.25 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088153.D
Acq: 21 Oct 2014 21:19

Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.5	18.7
179	15.3	13.5	20.3

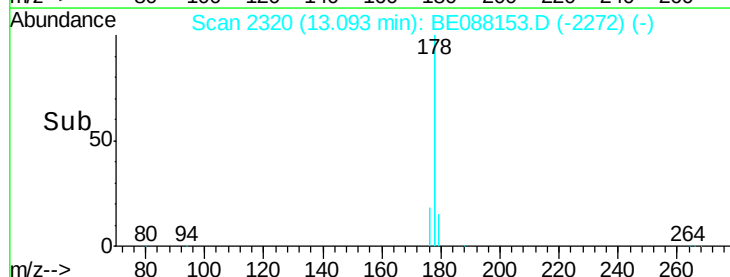
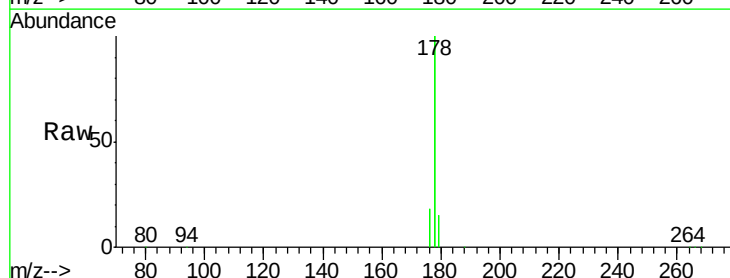
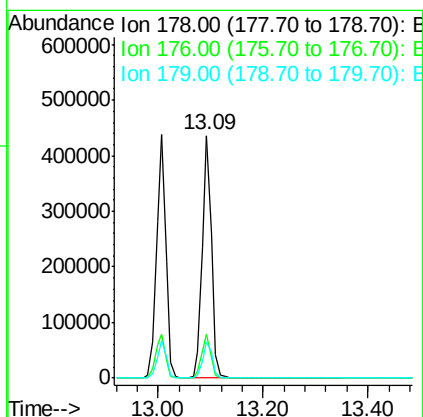
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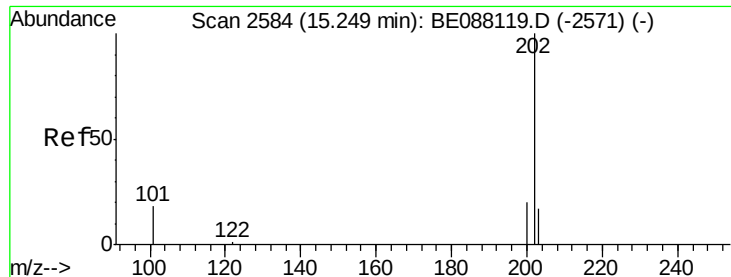
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#14
Anthracene
Concen: 6.79 ng
RT: 13.09 min Scan# 2320
Delta R.T. -0.00 min
Lab File: BE088153.D
Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.5	18.7





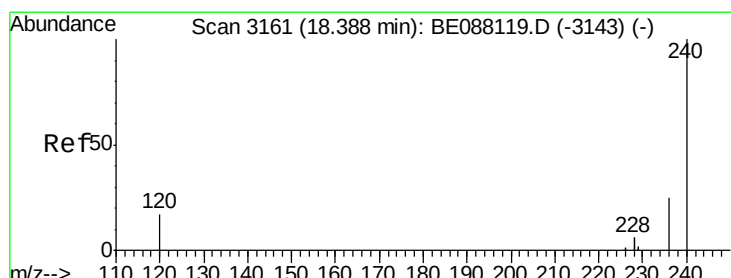
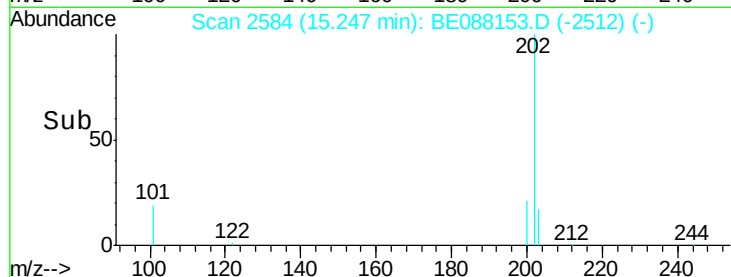
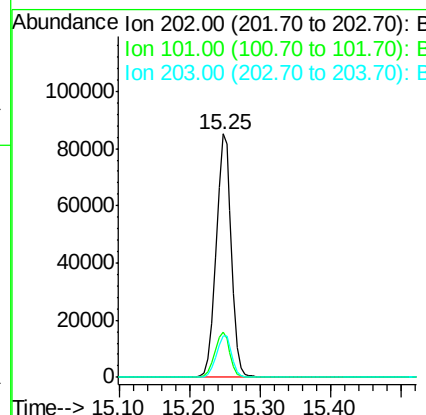
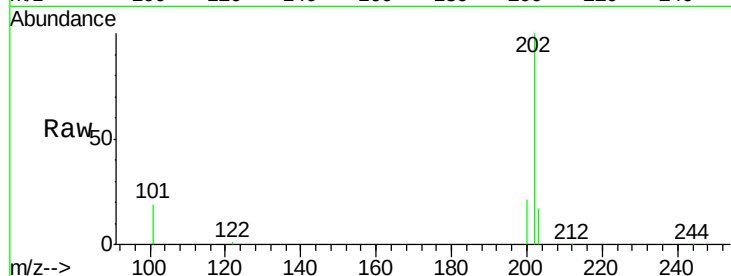
#15
 Fluoranthene
 Concen: 6.71 ng
 RT: 15.25 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW10-1014MS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	129428		
101	18.3	14.8	22.2	
203	17.2	13.5	20.3	

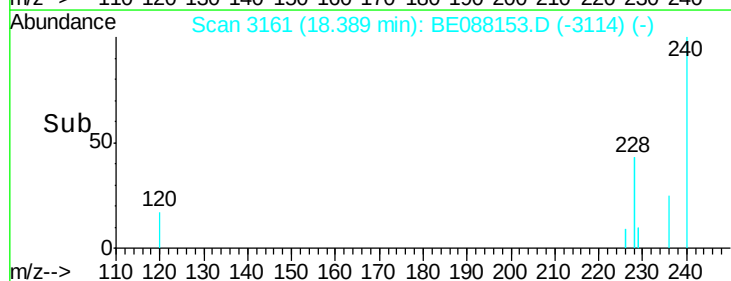
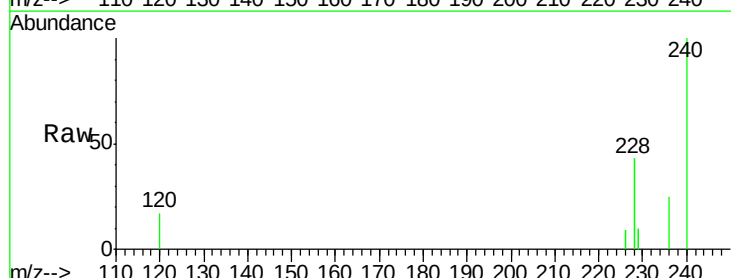
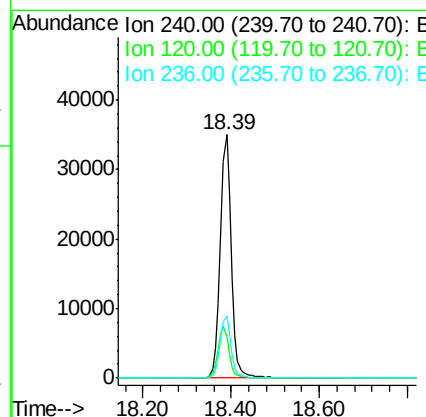
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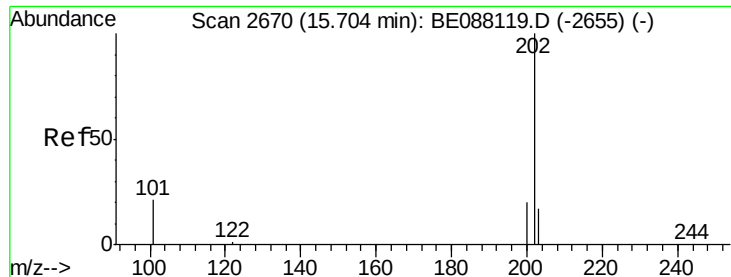
mohammad
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.39 min Scan# 3161
 Delta R.T. 0.00 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	60337		
120	16.8	13.9	20.9	
236	25.2	19.9	29.9	





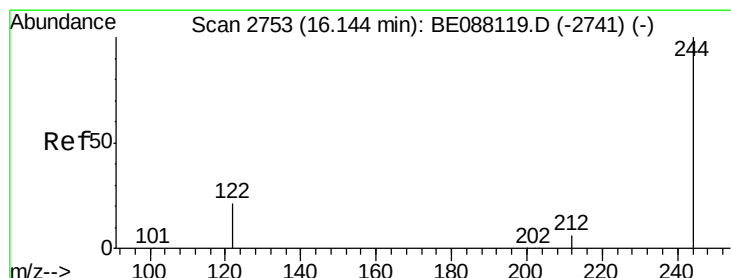
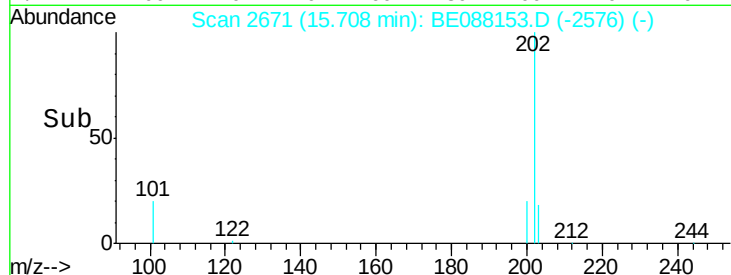
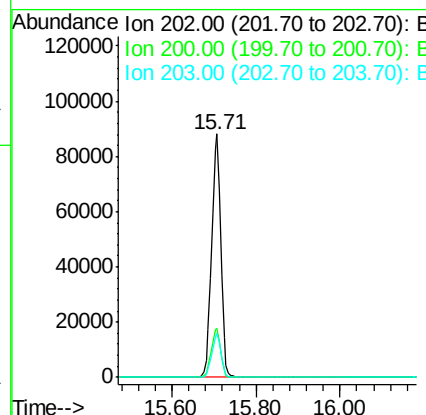
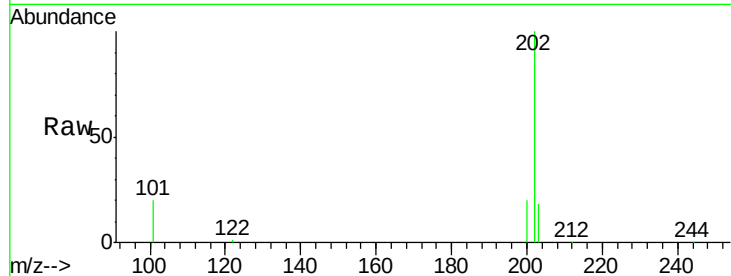
#17
Pyrene
 Concen: 8.15 ng
 RT: 15.71 min Scan# 2671
 Delta R.T. 0.00 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW10-1014MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	16.1	24.1
203	18.0	13.9	20.9

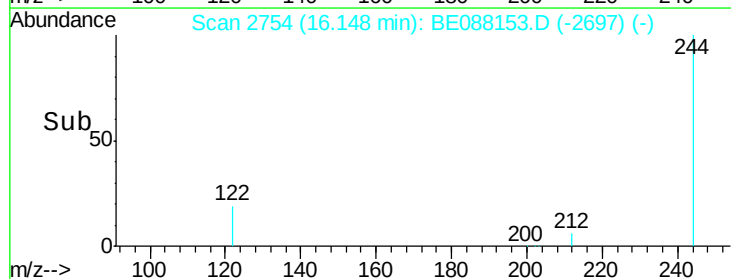
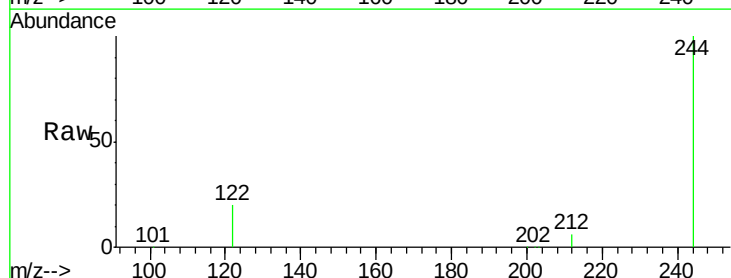
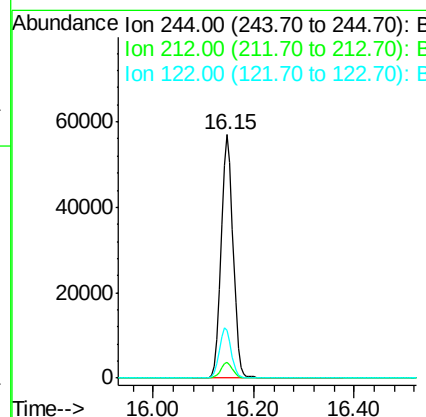
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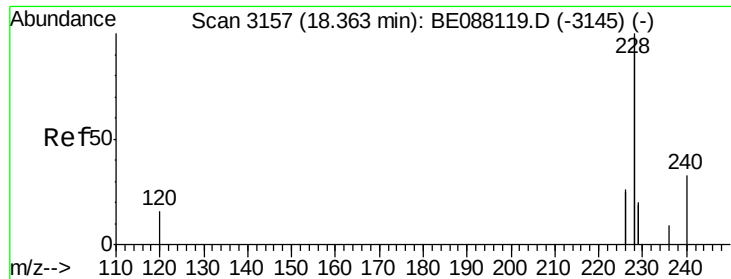
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#18
Terphenyl-d14
 Concen: 9.58 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	19.6	17.5	26.3





#19

Benzo(a)anthracene

Concen: 7.40 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

Instrument :

BNA_E

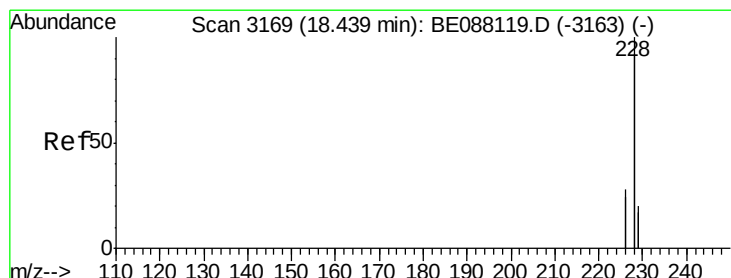
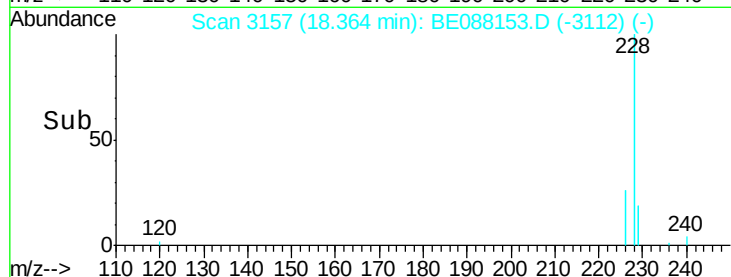
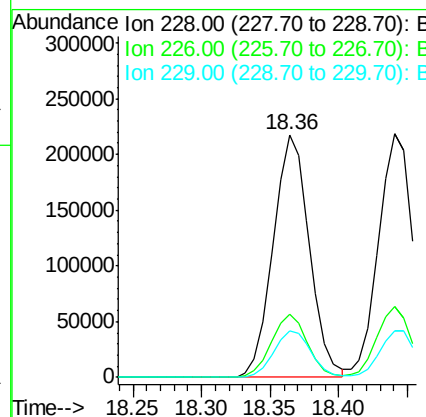
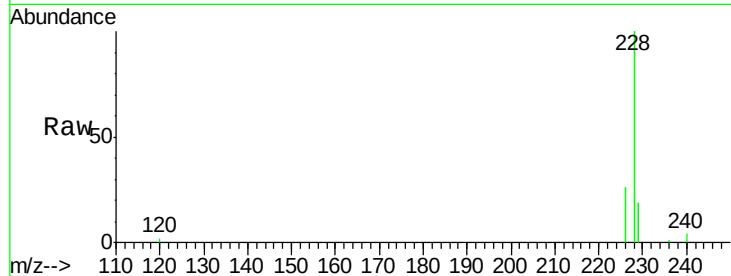
ClientSampleId :

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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	25.9	20.8	31.2	
229	19.4	15.6	23.4	



#20

Chrysene

Concen: 7.33 ng

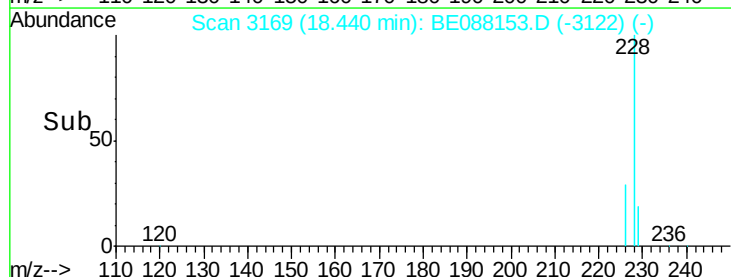
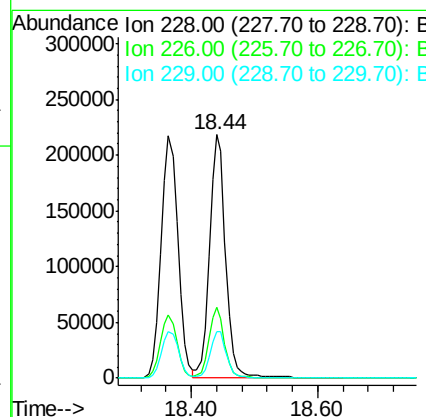
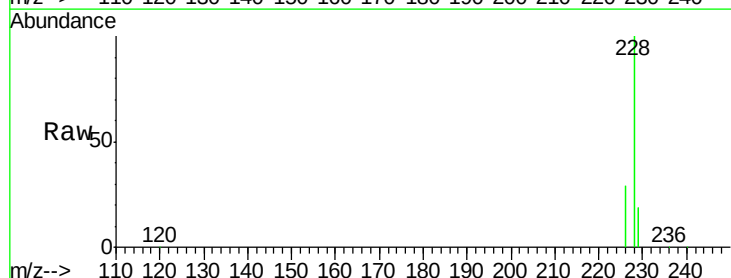
RT: 18.44 min Scan# 3169

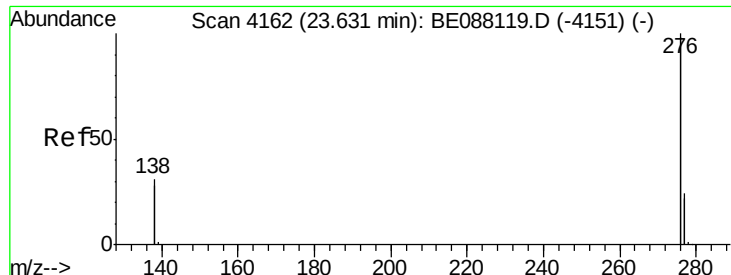
Delta R.T. 0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

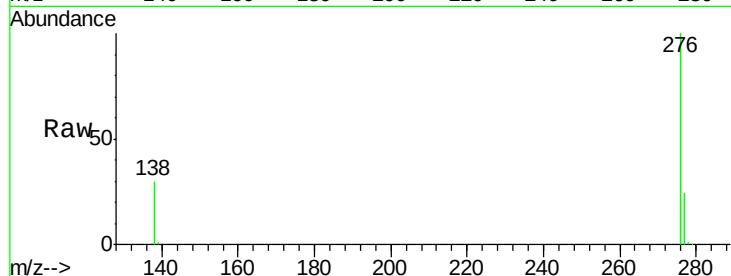
Tgt	Ion	Ratio	Lower	Upper
228	100			
226	29.1	22.7	34.1	
229	19.2	15.8	23.6	





#21
 Indeno(1,2,3-cd)pyrene
 Concen: 6.36 ng m
 RT: 23.64 min Scan# 4163
 Delta R.T. 0.01 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

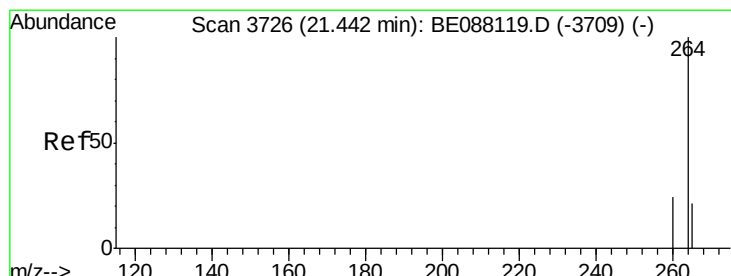
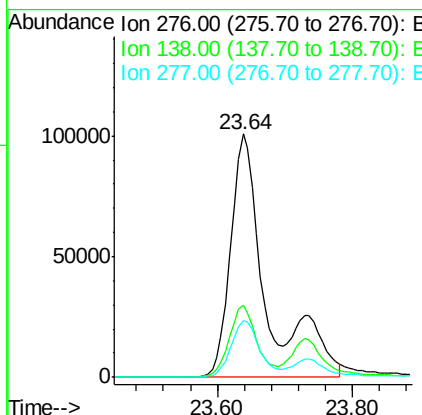
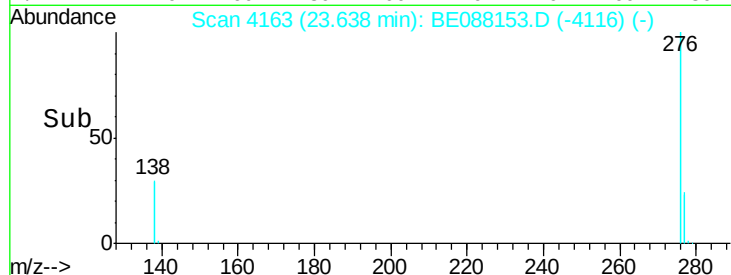
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW10-1014MS



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.5	27.7
277	18.3	14.6	21.8

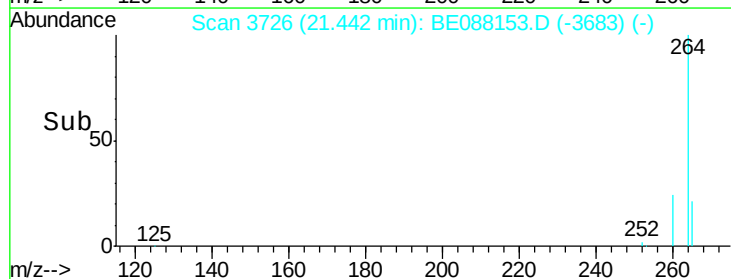
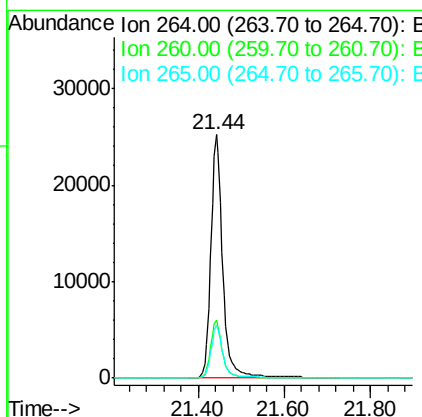
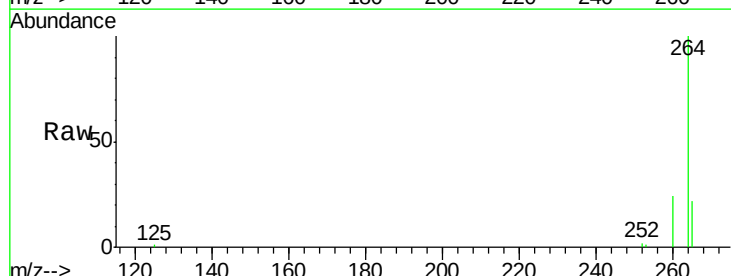
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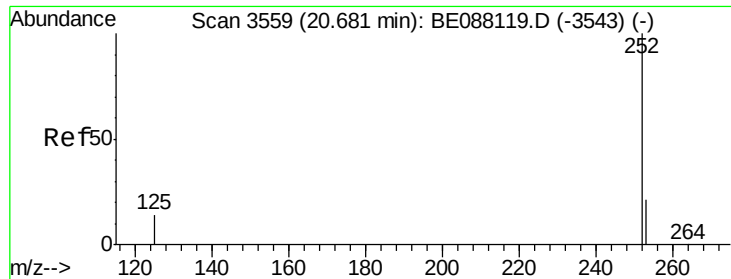
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. 0.00 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 7.52 ng

RT: 20.69 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

Instrument :

BNA_E

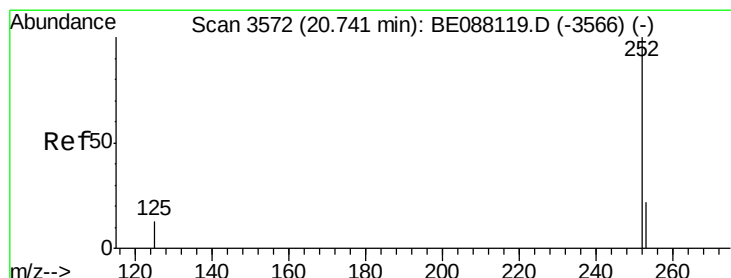
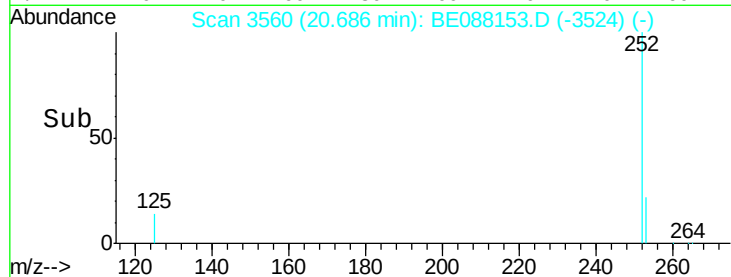
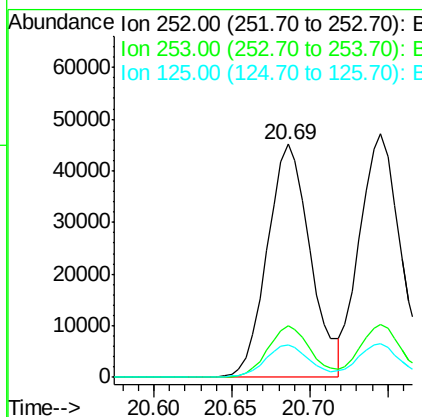
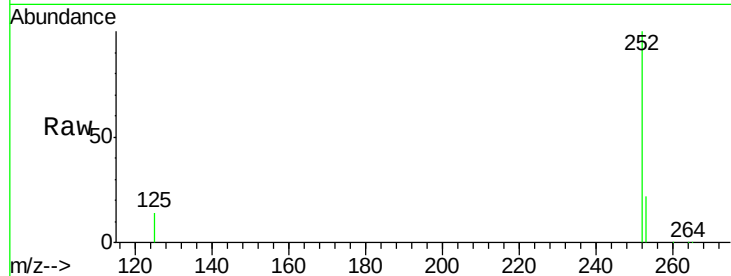
ClientSampleId :

YS19-SW10-1014MS

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	14.0	11.8	17.8



#24

Benzo(k)fluoranthene

Concen: 7.49 ng

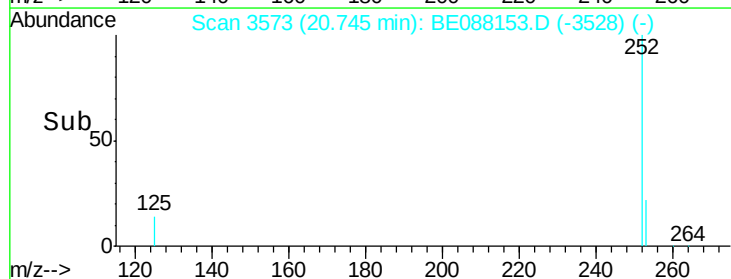
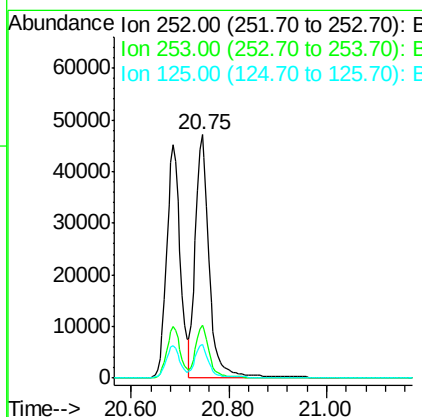
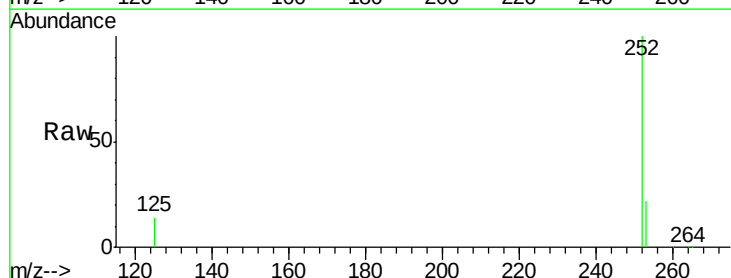
RT: 20.75 min Scan# 3573

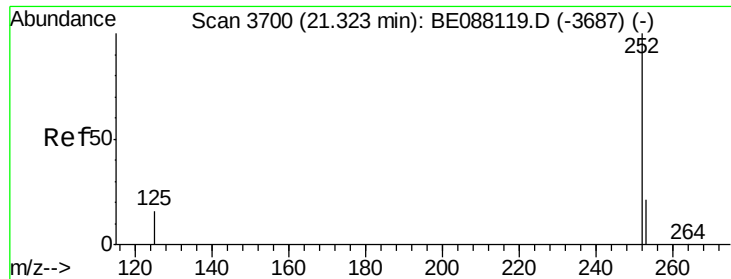
Delta R.T. 0.00 min

Lab File: BE088153.D

Acq: 21 Oct 2014 21:19

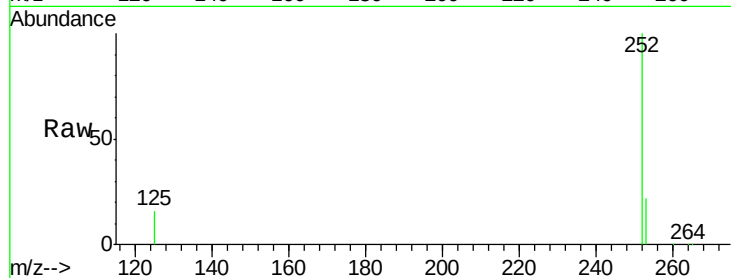
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	13.8	11.5	17.3





#25
Benzo(a)pyrene
Concen: 7.70 ng
RT: 21.32 min Scan# 3700
Delta R.T. 0.00 min
Lab File: BE088153.D
Acq: 21 Oct 2014 21:19

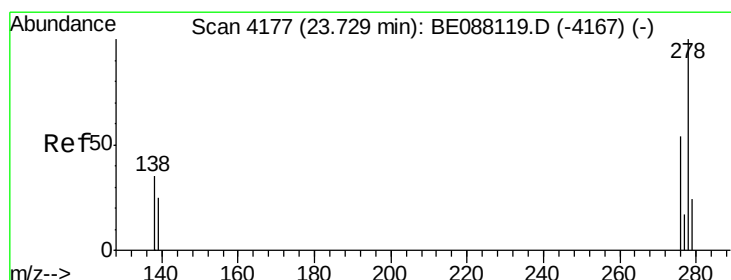
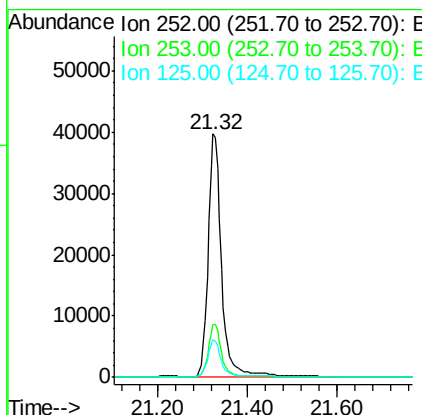
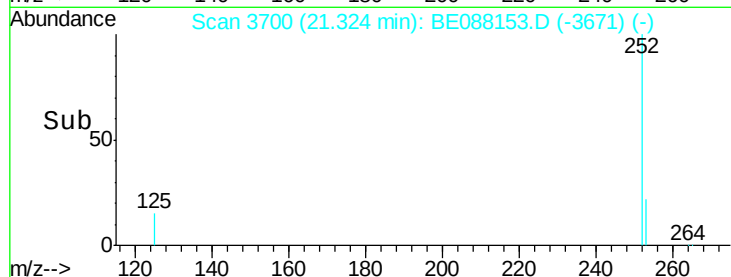
Instrument :
BNA_E
ClientSampleId :
YS19-SW10-1014MS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.6	13.0	19.6

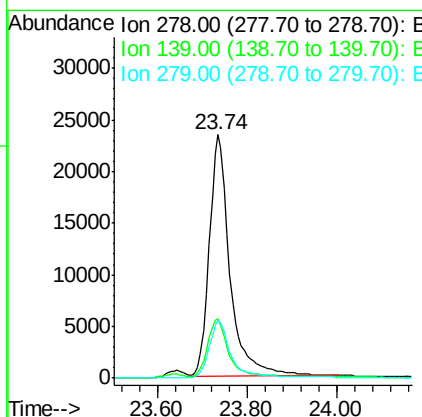
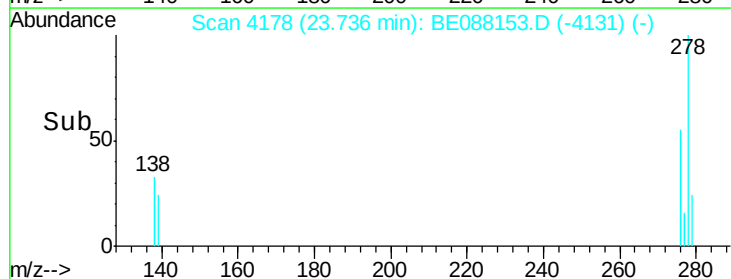
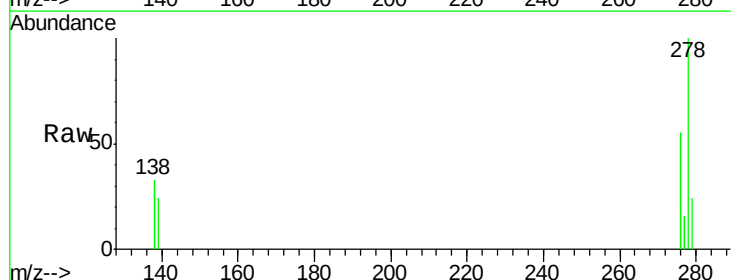
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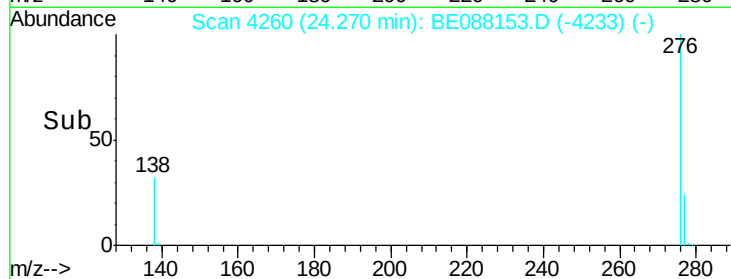
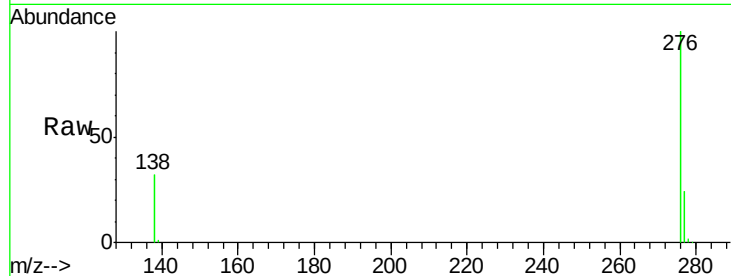
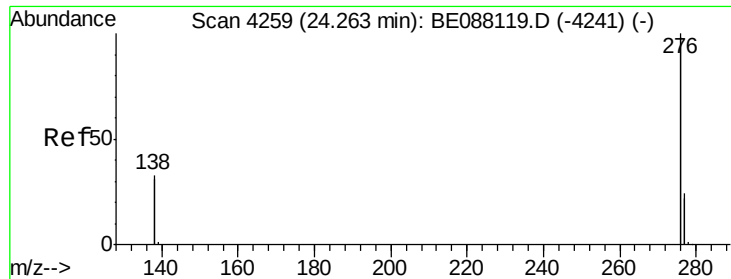
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#26
Dibenzo(a,h)anthracene
Concen: 7.29 ng
RT: 23.74 min Scan# 4178
Delta R.T. 0.01 min
Lab File: BE088153.D
Acq: 21 Oct 2014 21:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.5	20.9	31.3
279	23.9	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 7.33 ng
 RT: 24.27 min Scan# 4260
 Delta R.T. 0.01 min
 Lab File: BE088153.D
 Acq: 21 Oct 2014 21:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW10-1014MS

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.6	19.2	28.8		
138	31.8	26.6	40.0		

Manual Integrations
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