

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088164.D
 Acq On : 22 Oct 2014 4:41
 Operator : TP/JJ
 Sample : F4303-15 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03P-1014

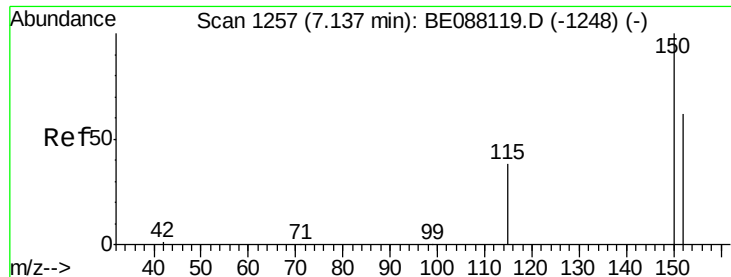
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Quant Time: Oct 22 05:24:09 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	20697	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	84755	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	45859	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	86247	5.00	ng	0.00
16) Chrysene-d12	18.39	240	53079	5.00	ng	0.00
22) Perylene-d12	21.44	264	44697	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	38867	6.36	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	66923	5.28	ng	0.00
18) Terphenyl-d14	16.15	244	52023	6.09	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	4595	0.26	ng	98
6) 2-Methylnaphthalene	9.57	142	1266	0.12	ng	94
9) Acenaphthylene	10.67	152	7457	0.11	ng	99
10) Acenaphthene	10.88	154	5103	0.47	ng	97
11) Fluorene	11.55	166	6208	0.54	ng	99
13) Phenanthrene	13.01	178	346153	5.47	ng	95
14) Anthracene	13.09	178	87465m	1.30	ng	
15) Fluoranthene	15.25	202	108169	6.59	ng	99
17) Pyrene	15.70	202	90098m	6.24	ng	
19) Benzo(a)anthracene	18.36	228	148962	3.16	ng	99
20) Chrysene	18.44	228	148737	3.21	ng	98
21) Indeno(1,2,3-cd)pyrene	23.63	276	73702	1.43	ng	# 85
23) Benzo(b)fluoranthene	20.69	252	37318	3.51	ng	98
24) Benzo(k)fluoranthene	20.74	252	16973	1.49	ng	98
25) Benzo(a)pyrene	21.32	252	26974	2.75	ng	98
26) Dibenzo(a,h)anthracene	23.72	278	3001	0.31	ng	# 90
27) Benzo(g,h,i)perylene	24.26	276	71465	1.68	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BE088164.D

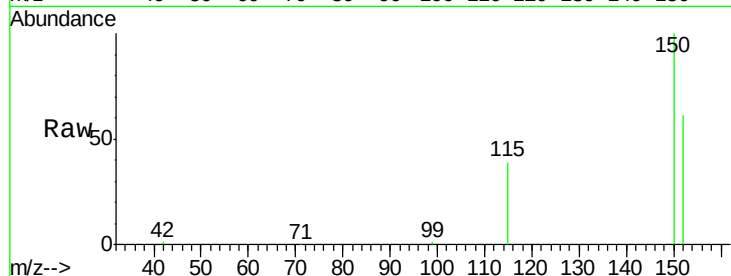
Acq: 22 Oct 2014 4:41

Instrument :

BNA_E

ClientSampleId :

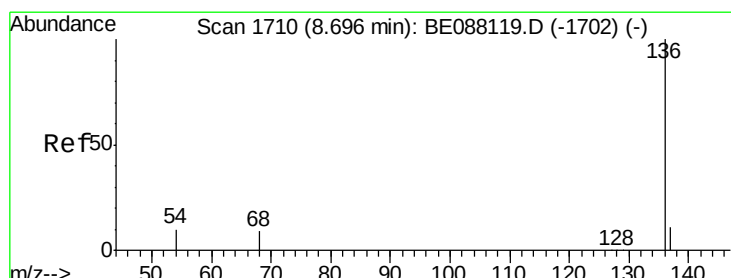
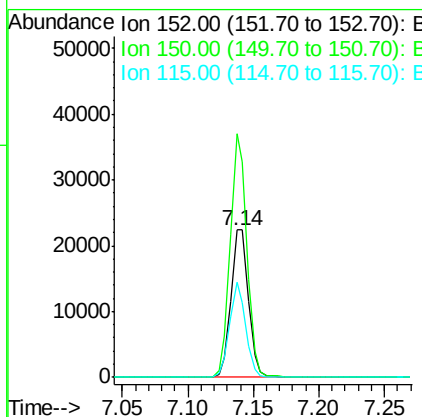
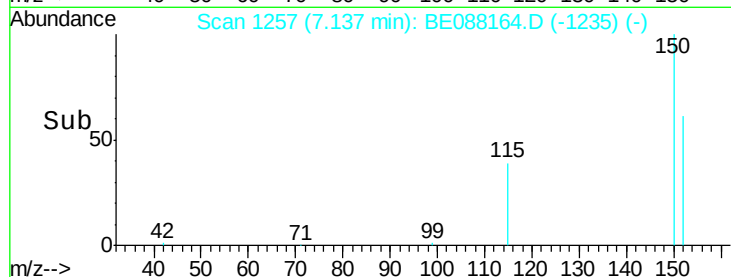
YS19-SB03P-1014



Tgt Ion:	152	Resp:	20697
Ion Ratio	Lower	Upper	
152	100		
150	165.0	129.2	193.8
115	64.2	49.3	73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

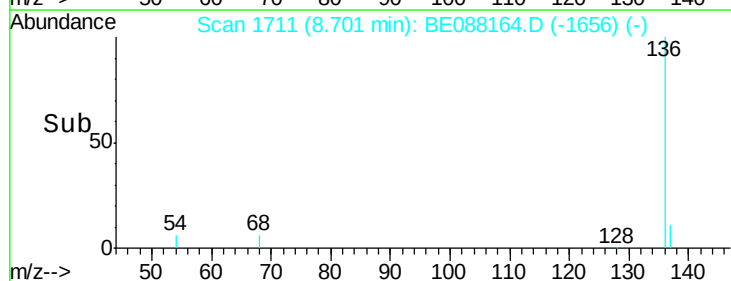
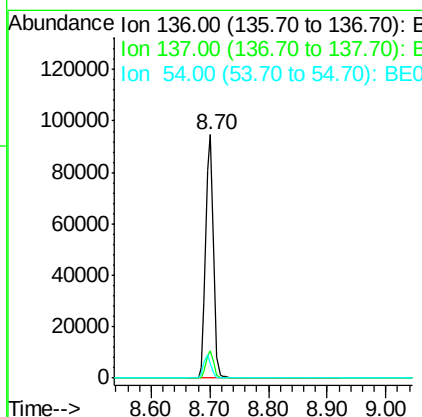
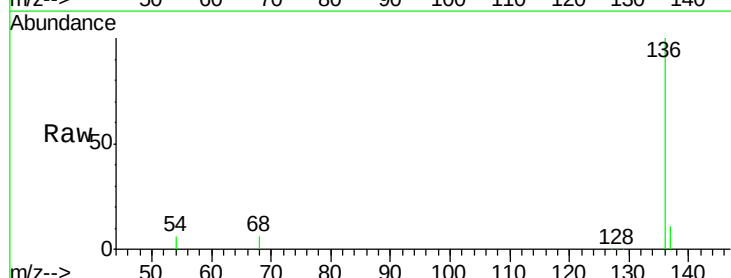
RT: 8.70 min Scan# 1711

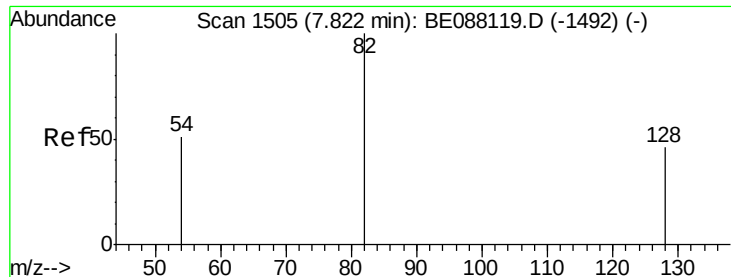
Delta R.T. 0.00 min

Lab File: BE088164.D

Acq: 22 Oct 2014 4:41

Tgt Ion:	136	Resp:	84755
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	6.1	7.7	11.5#





#4

Nitrobenzene-d5

Concen: 6.36 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088164.D

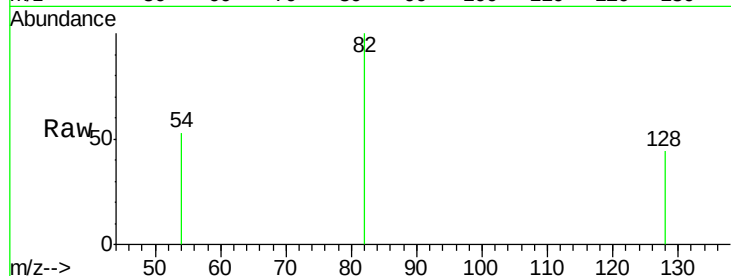
Acq: 22 Oct 2014 4:41

Instrument :

BNA_E

ClientSampleId :

YS19-SB03P-1014



Tgt Ion: 82 Resp: 38867

Ion Ratio Lower Upper

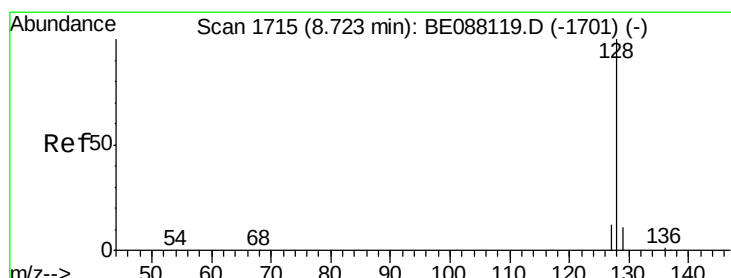
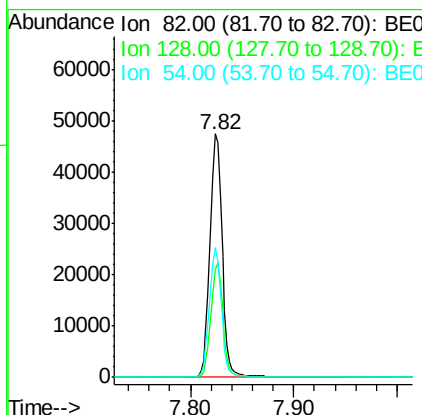
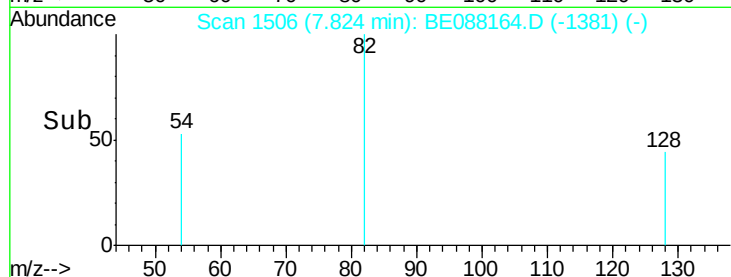
82 100

128 44.5 37.1 55.7

54 53.0 41.1 61.7

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#5

Naphthalene

Concen: 0.26 ng

RT: 8.72 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BE088164.D

Acq: 22 Oct 2014 4:41

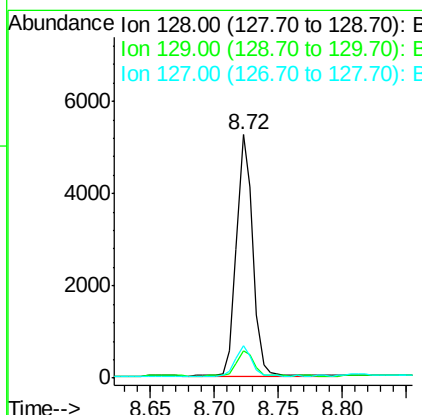
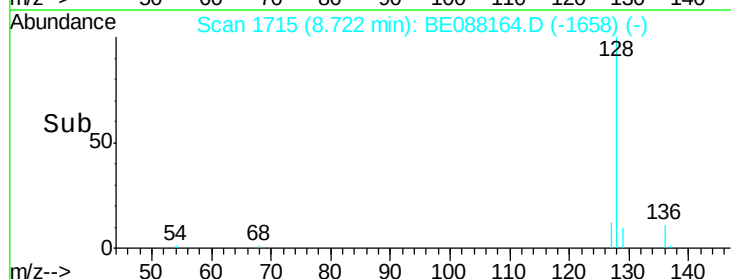
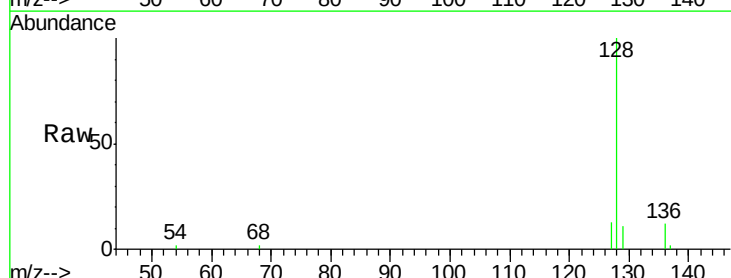
Tgt Ion: 128 Resp: 4595

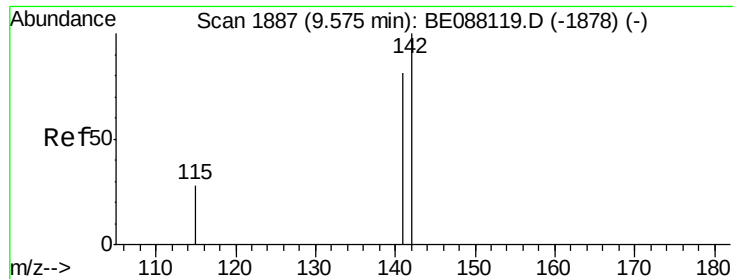
Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

127 13.1 9.7 14.5





#6

2-Methylnaphthalene

Concen: 0.12 ng

RT: 9.57 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE088164.D

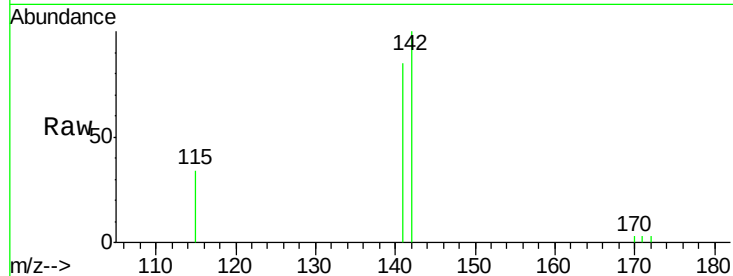
Acq: 22 Oct 2014 4:41

Instrument :

BNA_E

ClientSampleId :

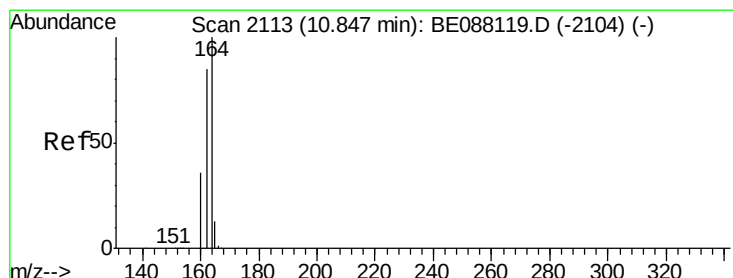
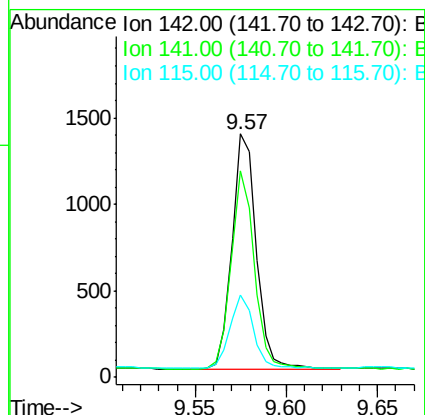
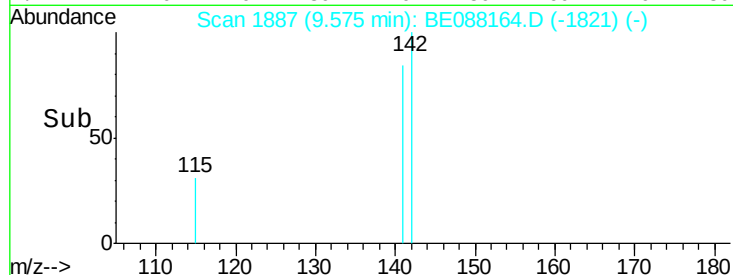
YS19-SB03P-1014



Tgt Ion:	142	Resp:	1266
Ion Ratio	Lower	Upper	
142	100		
141	84.9	64.6	97.0
115	33.7	22.6	34.0

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#7

Acenaphthene-d10

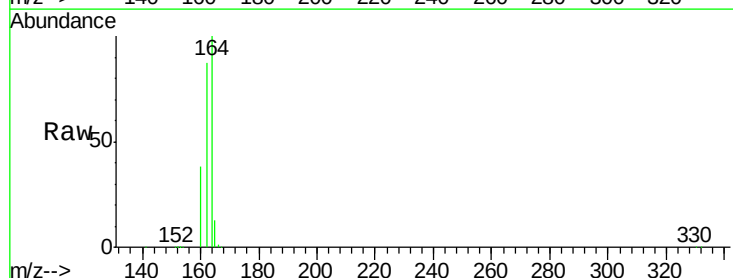
Concen: 5.00 ng

RT: 10.85 min Scan# 2113

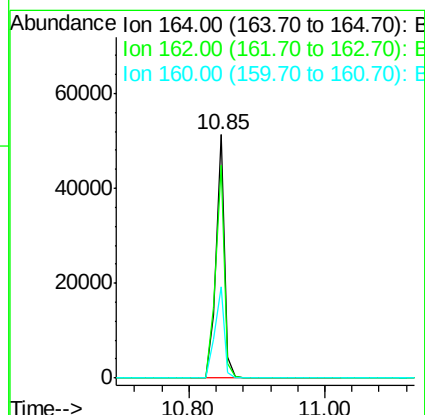
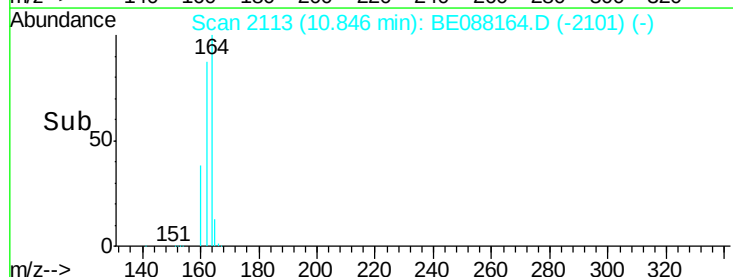
Delta R.T. -0.00 min

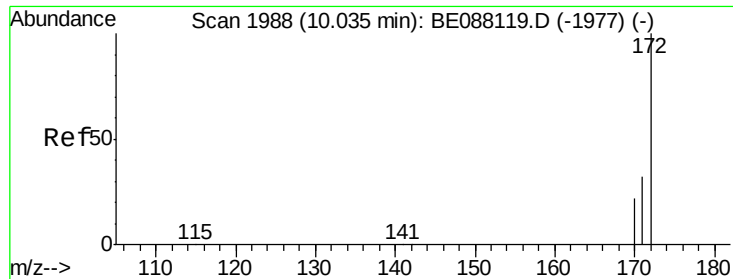
Lab File: BE088164.D

Acq: 22 Oct 2014 4:41



Tgt Ion:	164	Resp:	45859
Ion Ratio	Lower	Upper	
164	100		
162	87.5	68.3	102.5
160	37.8	28.7	43.1





#8

2-Fluorobiphenyl

Concen: 5.28 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088164.D

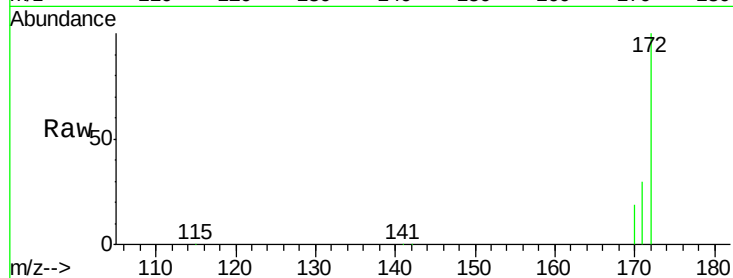
Acq: 22 Oct 2014 4:41

Instrument :

BNA_E

ClientSampleId :

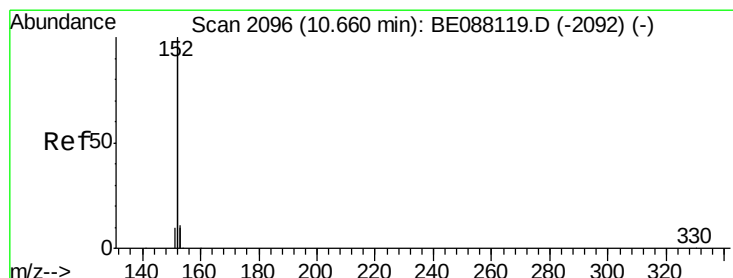
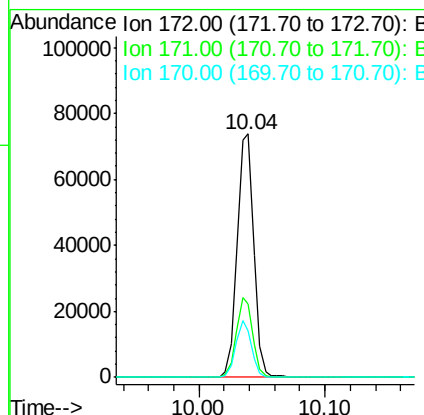
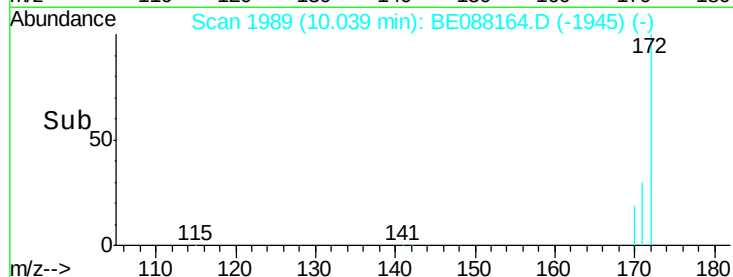
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Tgt Ion:	172	Resp:	66923
Ion Ratio	Lower	Upper	
172	100		
171	30.0	25.4	38.2
170	19.0	17.4	26.2

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#9

Acenaphthylene

Concen: 0.11 ng

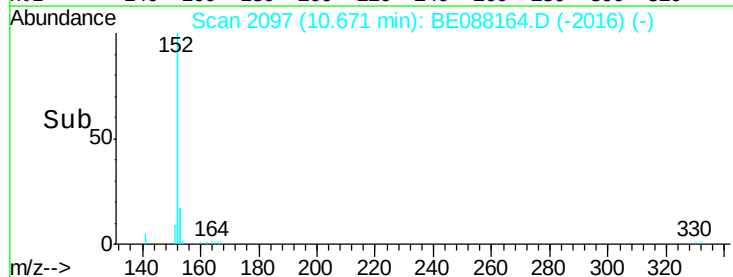
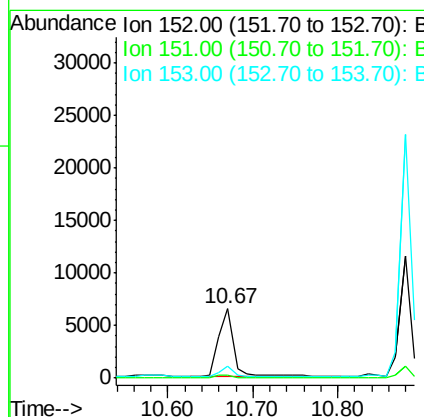
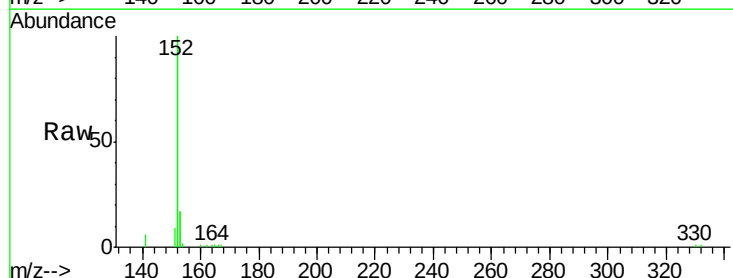
RT: 10.67 min Scan# 2097

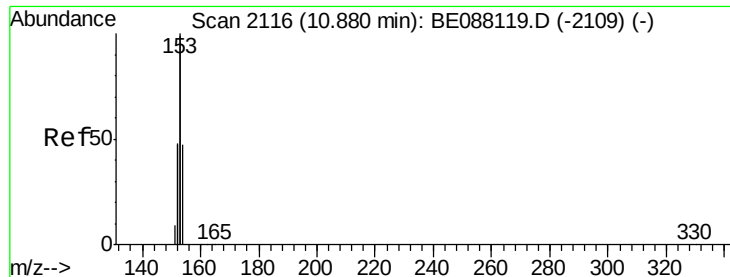
Delta R.T. 0.01 min

Lab File: BE088164.D

Acq: 22 Oct 2014 4:41

Tgt Ion:	152	Resp:	7457
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.6	10.4	15.6





#10

Acenaphthene

Concen: 0.47 ng

RT: 10.88 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BE088164.D

Acq: 22 Oct 2014 4:41

Instrument :

BNA_E

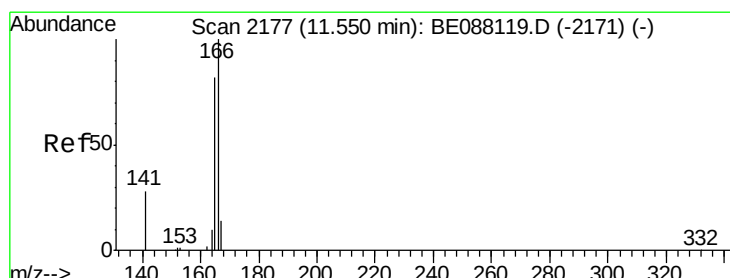
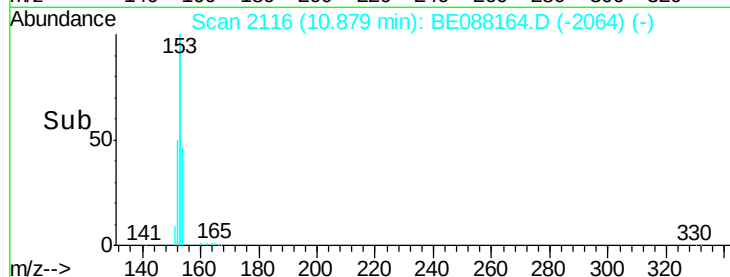
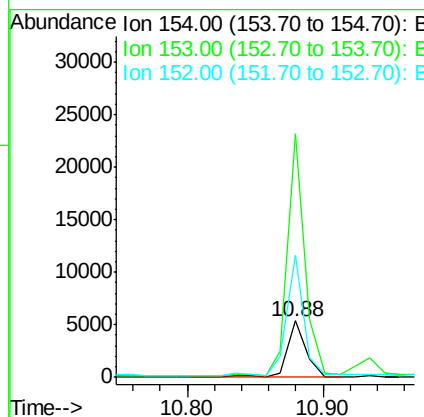
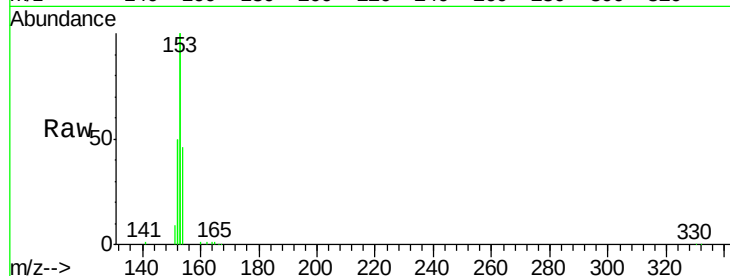
ClientSampleId :

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Tgt Ion:	154	Resp:	5103
Ion Ratio	Lower	Upper	
154	100		
153	402.5	327.8	491.6
152	201.1	157.6	236.4

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#11

Fluorene

Concen: 0.54 ng

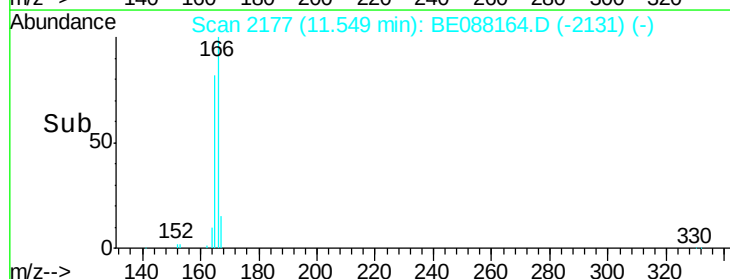
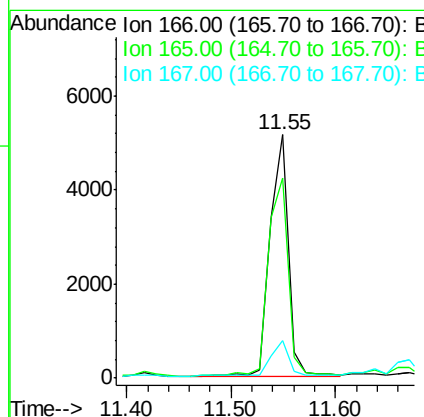
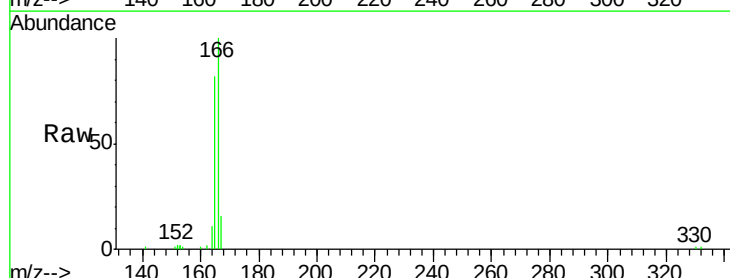
RT: 11.55 min Scan# 2177

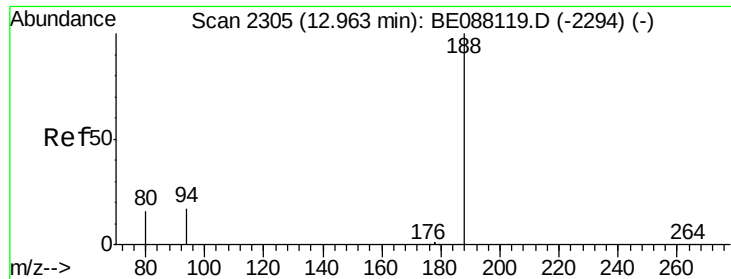
Delta R.T. -0.00 min

Lab File: BE088164.D

Acq: 22 Oct 2014 4:41

Tgt Ion:	166	Resp:	6208
Ion Ratio	Lower	Upper	
166	100		
165	89.7	71.4	107.2
167	14.5	10.6	16.0





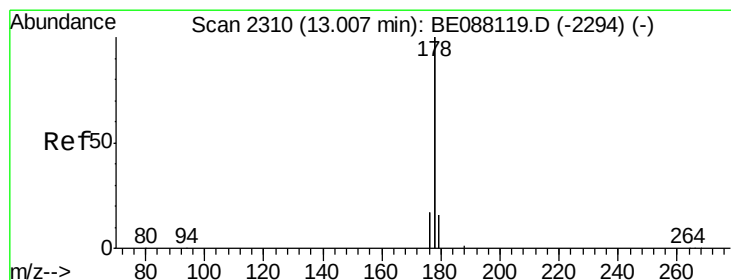
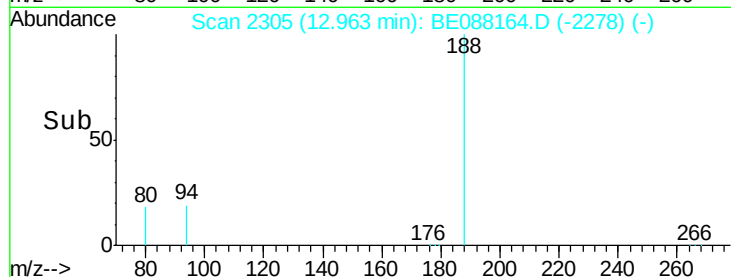
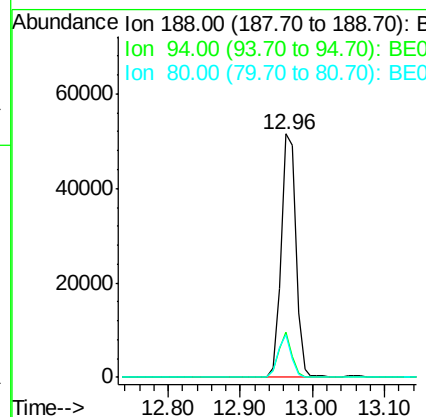
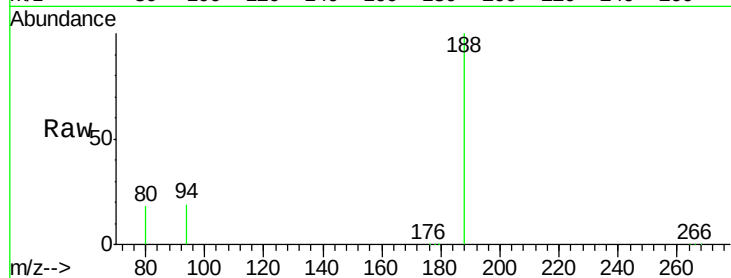
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	86247		
94	18.7	13.9	20.9	
80	17.6	12.9	19.3	

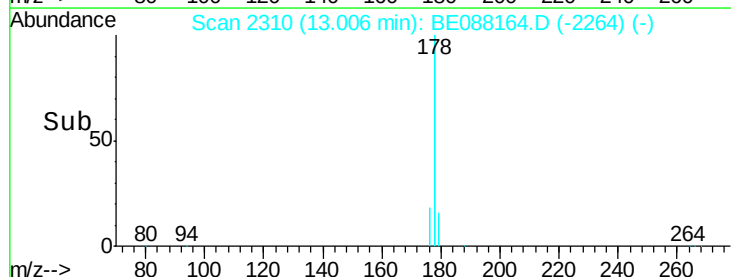
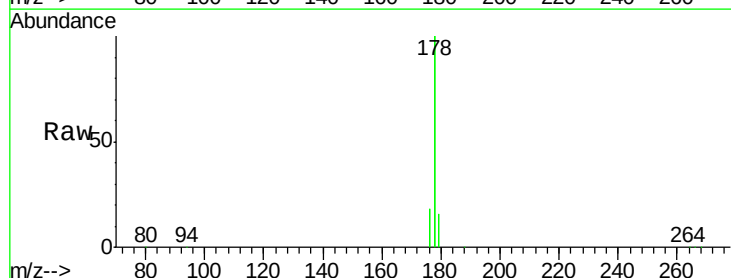
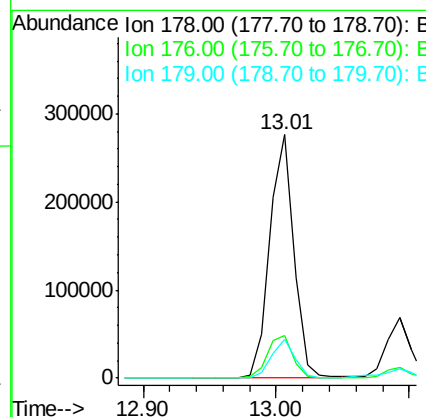
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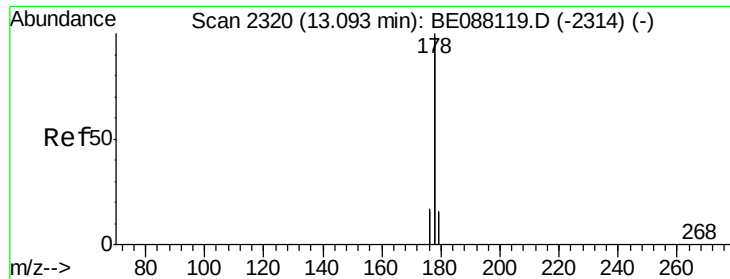
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#13
Phenanthrene
Concen: 5.47 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	346153		
176	18.5	12.5	18.7	
179	15.3	13.5	20.3	





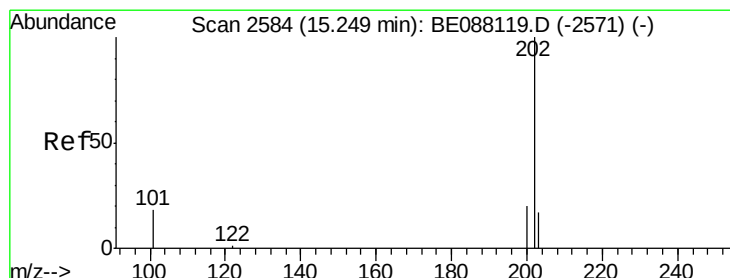
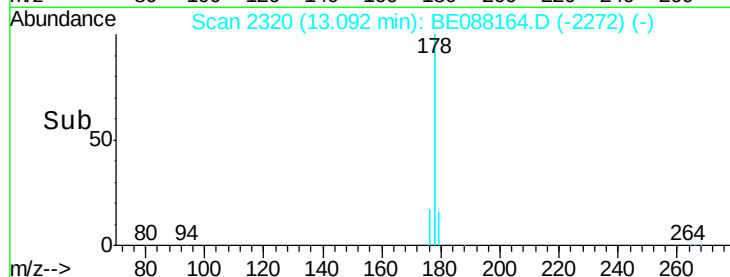
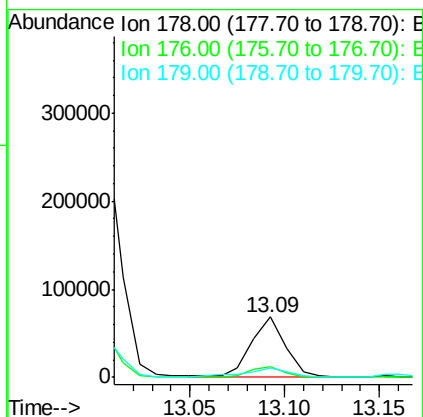
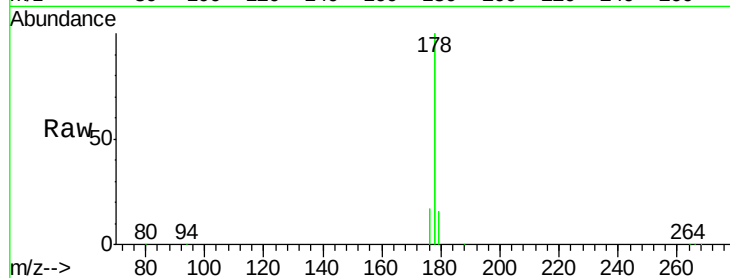
#14
 Anthracene
 Concen: 1.30 ng m
 RT: 13.09 min Scan# 2320
 Delta R.T. -0.00 min
 Lab File: BE088164.D
 Acq: 22 Oct 2014 4:41

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03P-1014

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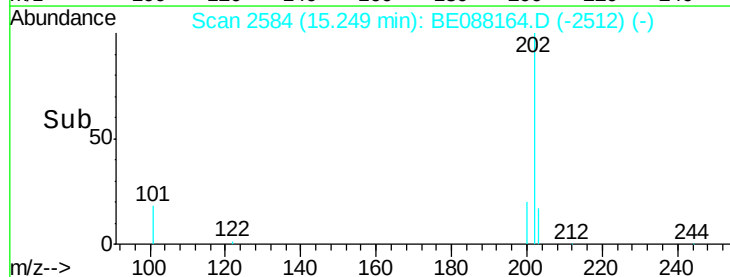
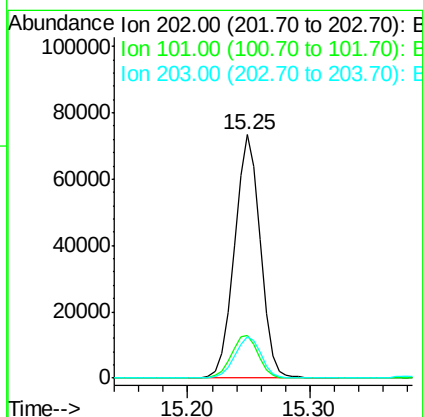
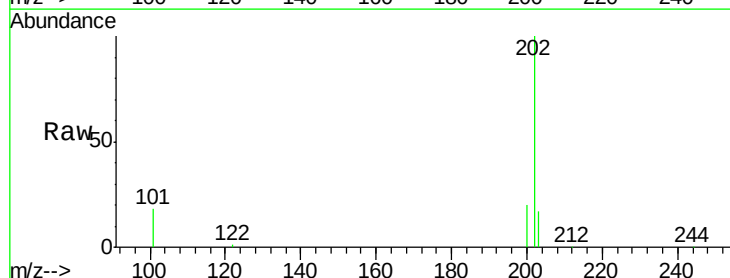
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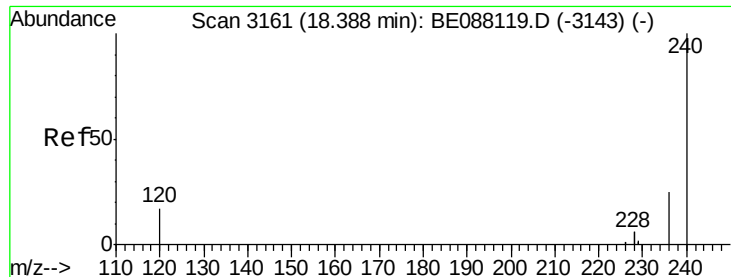
Tgt Ion	Ratio	Lower	Upper
178	100		
176	73.2	14.6	21.8#
179	60.7	12.5	18.7#



#15
 Fluoranthene
 Concen: 6.59 ng
 RT: 15.25 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BE088164.D
 Acq: 22 Oct 2014 4:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	17.3	13.5	20.3





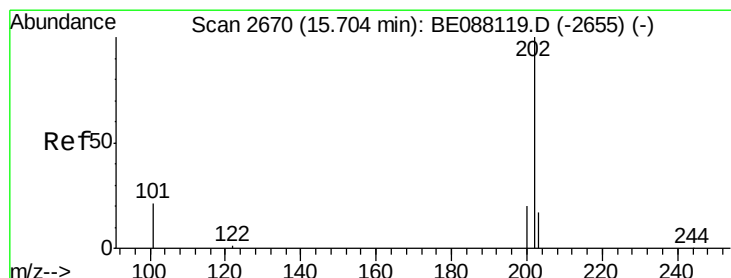
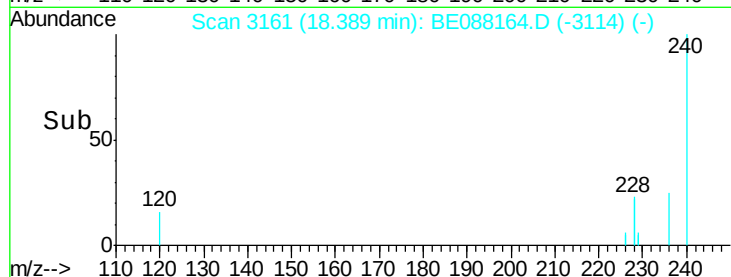
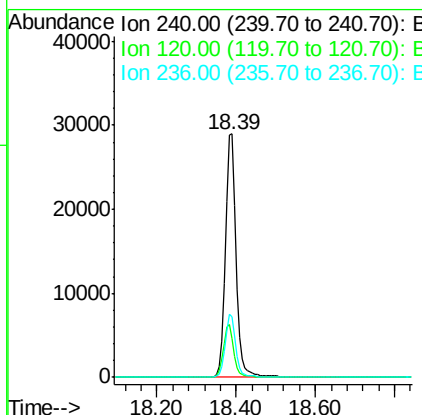
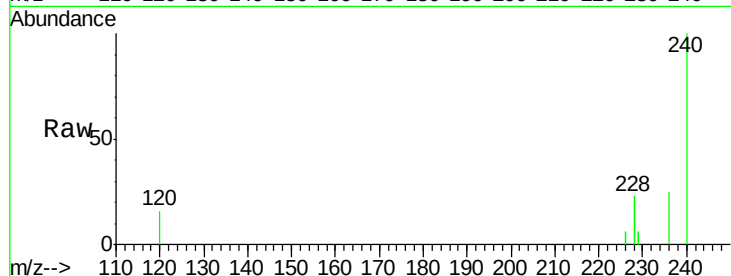
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

Instrument :
BNA_E
ClientSampleId :
YS19-SB03P-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	53079		
120	16.2		13.9	20.9
236	24.9		19.9	29.9

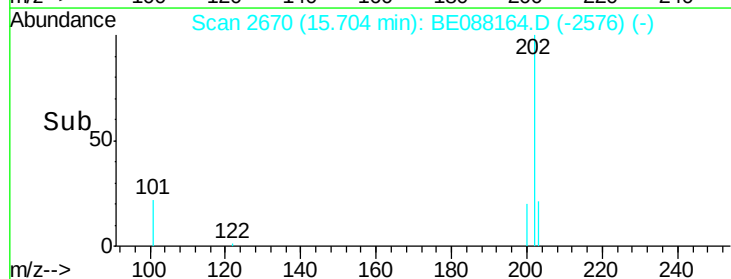
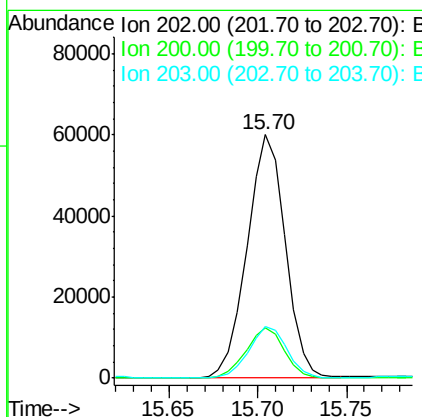
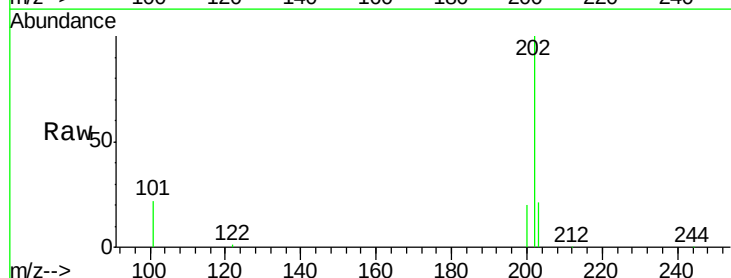
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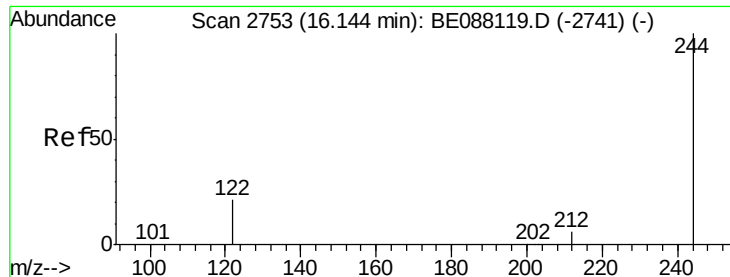
mohammad
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#17
Pyrene
Concen: 6.24 ng m
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	90098		
200	23.9		16.1	24.1
203	20.5		13.9	20.9





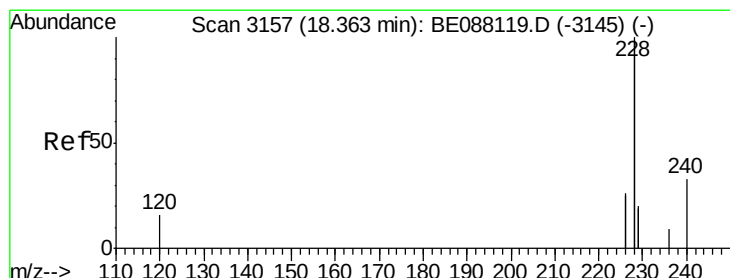
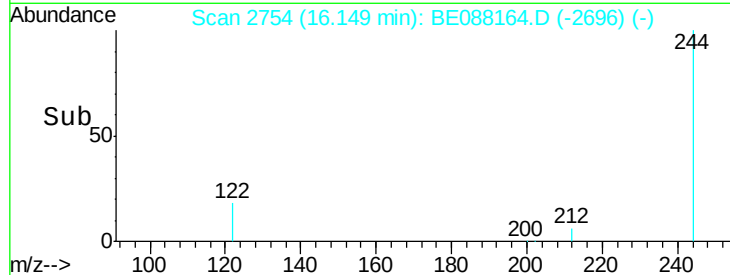
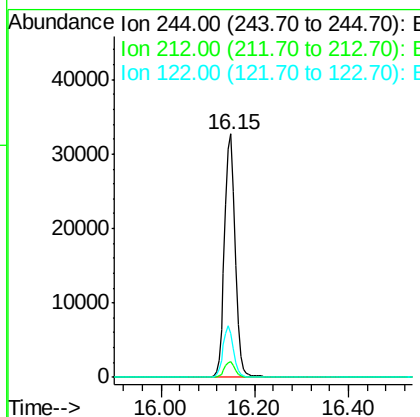
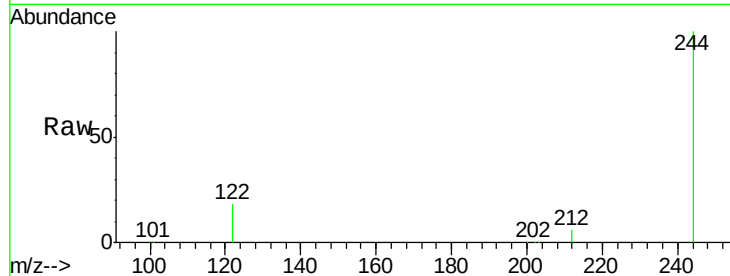
#18
 Terphenyl-d14
 Concen: 6.09 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.01 min
 Lab File: BE088164.D
 Acq: 22 Oct 2014 4:41

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03P-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	18.0	17.5	26.3

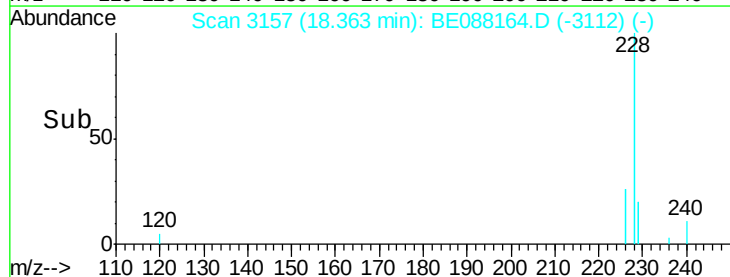
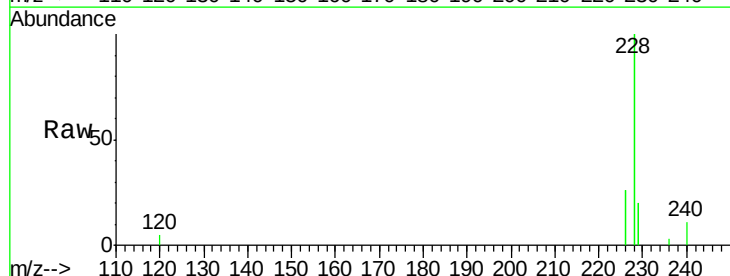
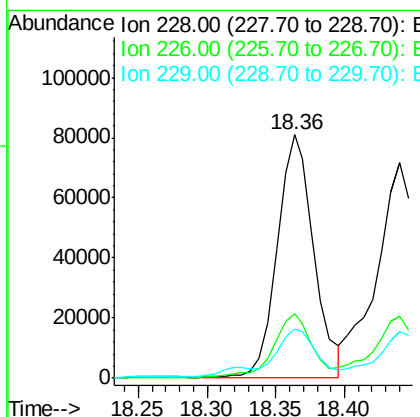
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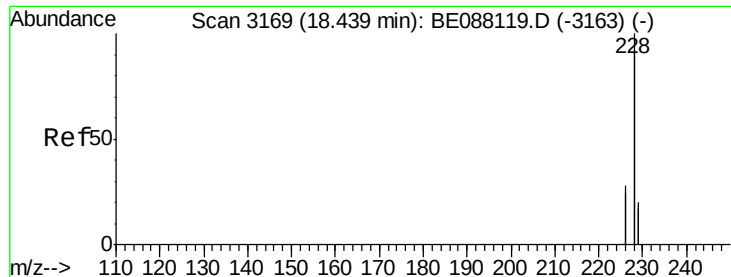
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#19
 Benzo(a)anthracene
 Concen: 3.16 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088164.D
 Acq: 22 Oct 2014 4:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.3	20.8	31.2
229	20.4	15.6	23.4





#20

Chrysene

Concen: 3.21 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088164.D

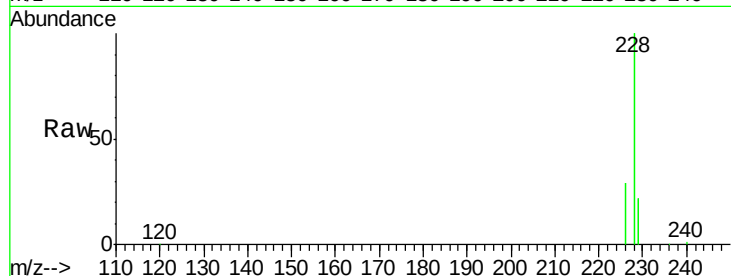
Acq: 22 Oct 2014 4:41

Instrument :

BNA_E

ClientSampleId :

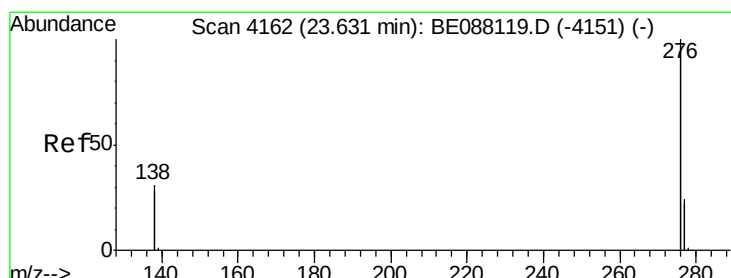
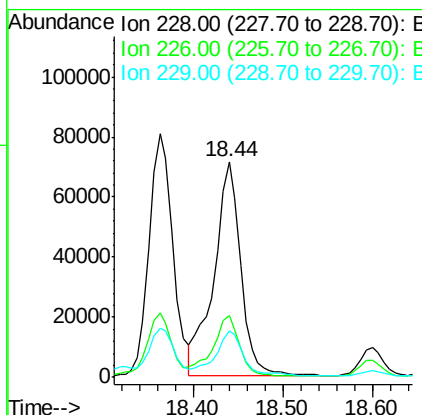
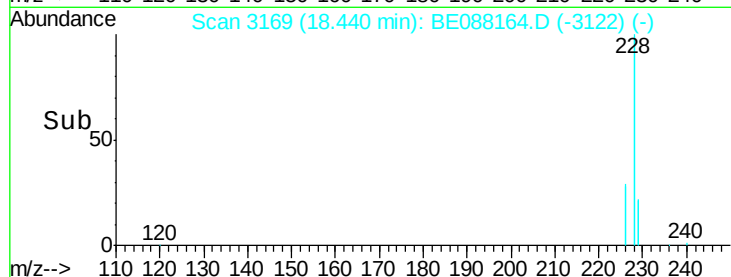
YS19-SB03P-1014



Tgt Ion:	228	Resp:	148737
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.7	34.1
229	21.7	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.43 ng

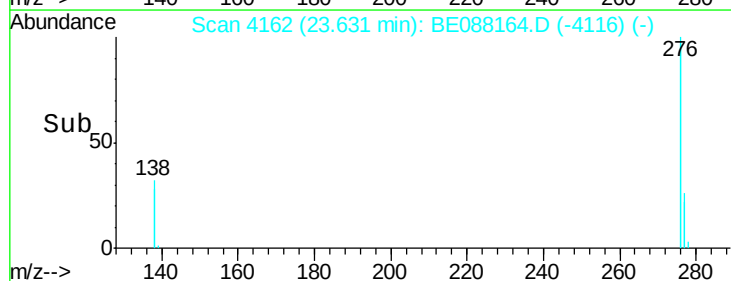
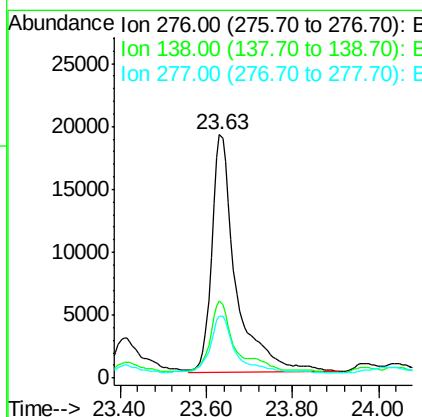
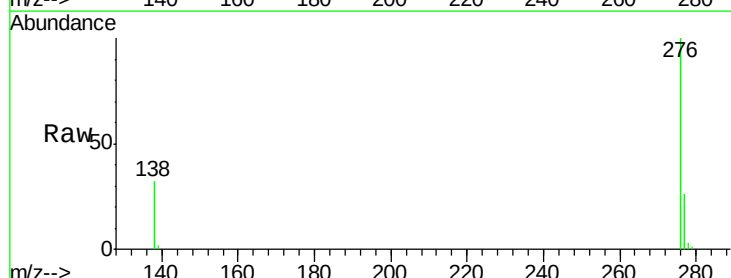
RT: 23.63 min Scan# 4162

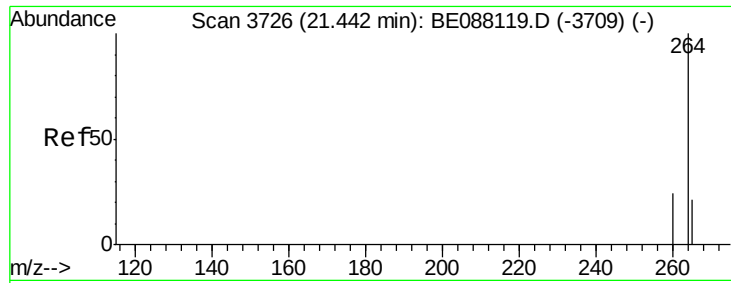
Delta R.T. -0.00 min

Lab File: BE088164.D

Acq: 22 Oct 2014 4:41

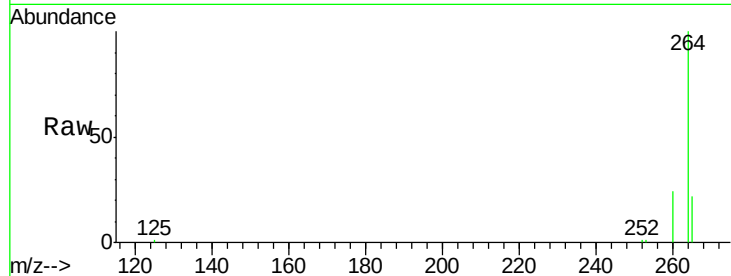
Tgt Ion:	276	Resp:	73702
Ion Ratio	Lower	Upper	
276	100		
138	29.0	18.5	27.7#
277	26.0	14.6	21.8#





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. -0.00 min
 Lab File: BE088164.D
 Acq: 22 Oct 2014 4:41

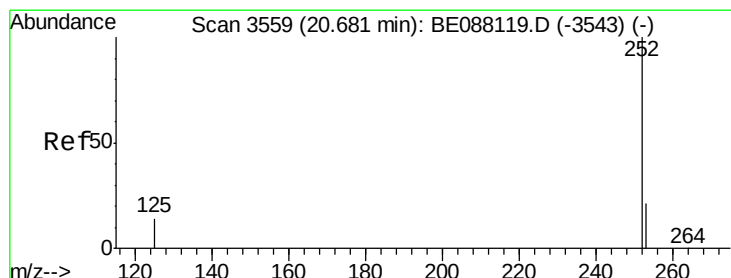
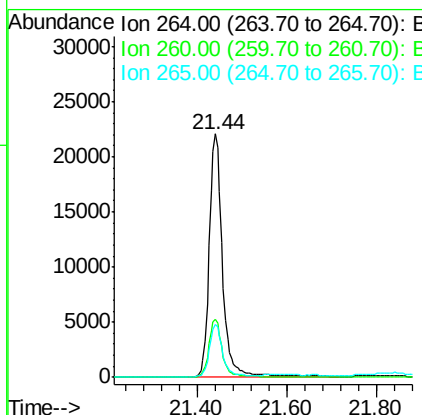
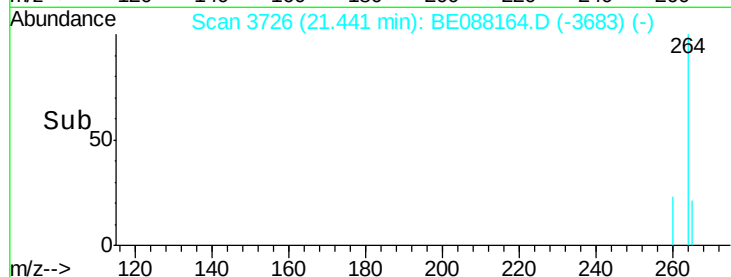
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB03P-1014



Tgt Ion: 264 Resp: 44697
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.6 17.2 25.8

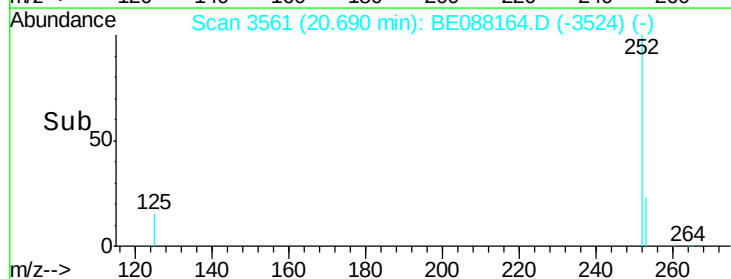
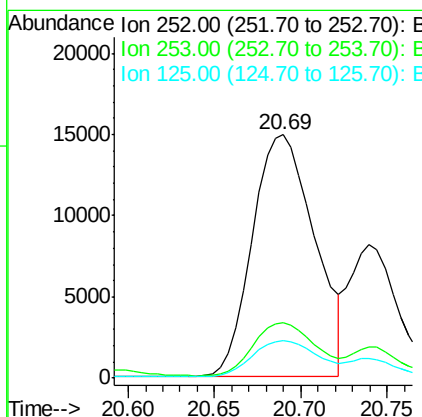
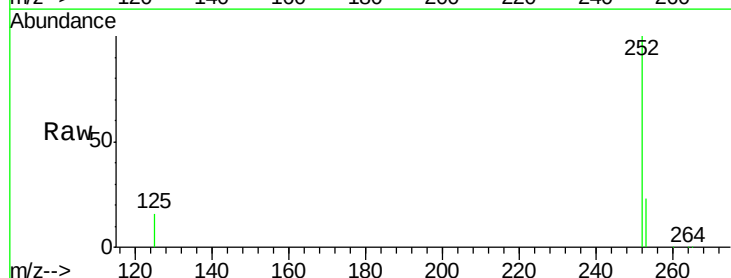
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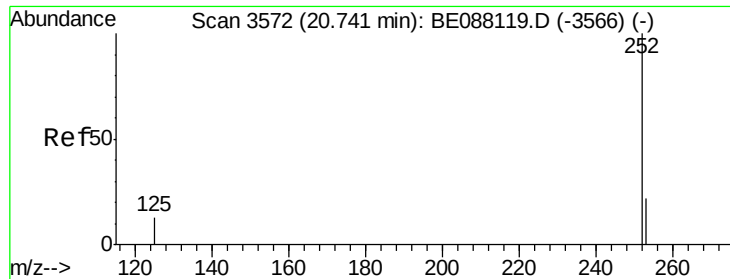
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#23
 Benzo(b)fluoranthene
 Concen: 3.51 ng
 RT: 20.69 min Scan# 3561
 Delta R.T. 0.01 min
 Lab File: BE088164.D
 Acq: 22 Oct 2014 4:41

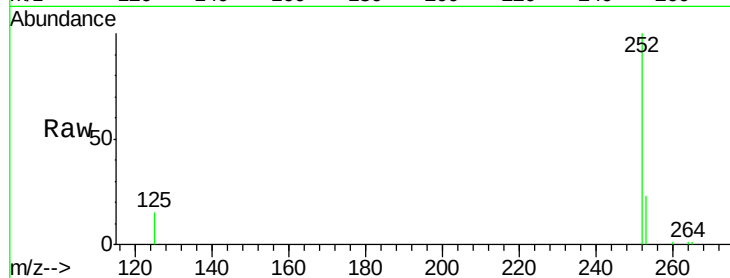
Tgt Ion: 252 Resp: 37318
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.4 26.0
 125 15.7 11.8 17.8





#24
Benzo(k)fluoranthene
Concen: 1.49 ng
RT: 20.74 min Scan# 3572
Delta R.T. -0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

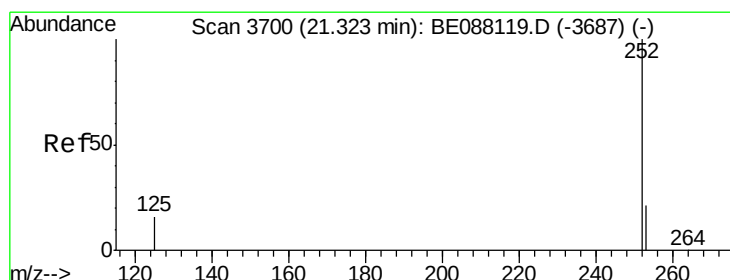
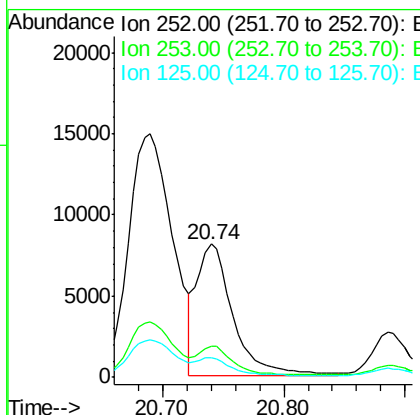
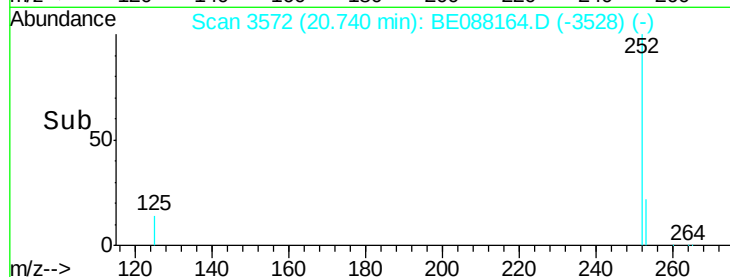
Instrument :
BNA_E
ClientSampleId :
YS19-SB03P-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	15.1	11.5	17.3

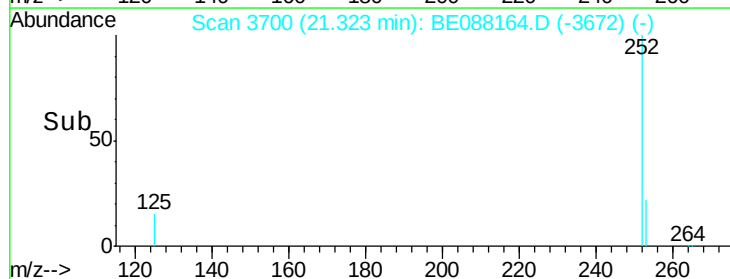
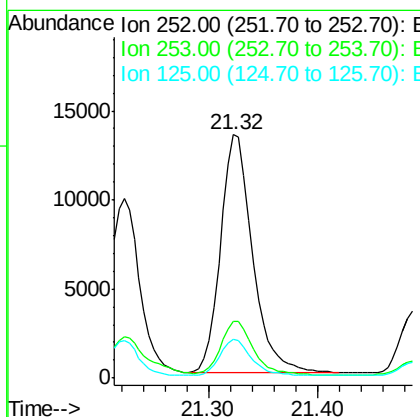
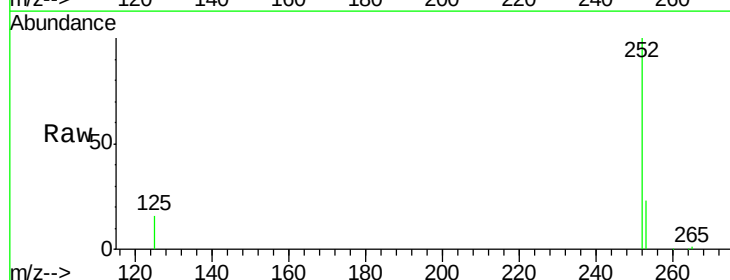
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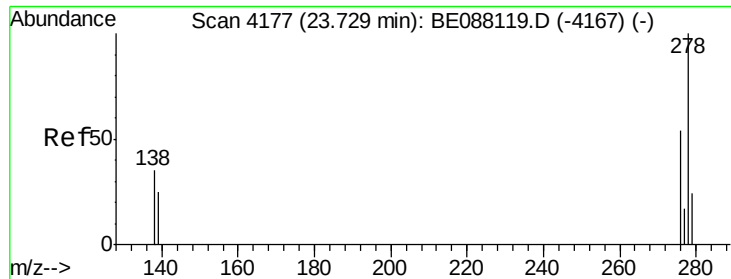
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#25
Benzo(a)pyrene
Concen: 2.75 ng
RT: 21.32 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

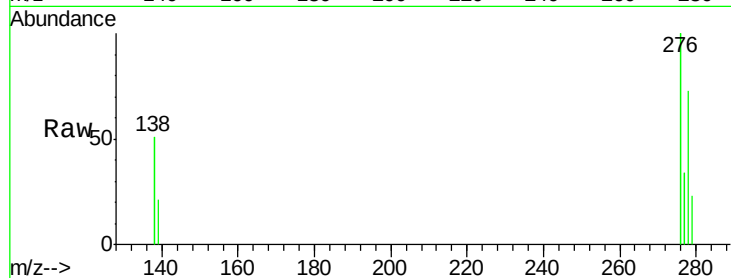
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	16.1	13.0	19.6





#26
Dibenzo(a,h)anthracene
Concen: 0.31 ng
RT: 23.72 min Scan# 4176
Delta R.T. -0.01 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41

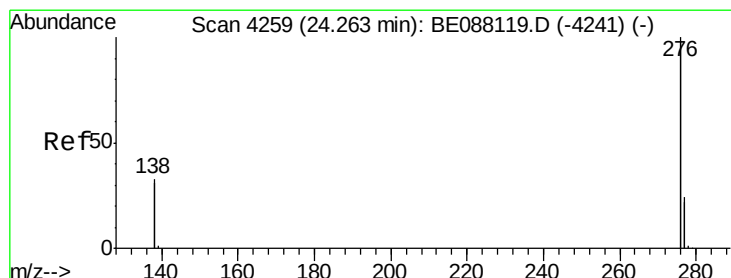
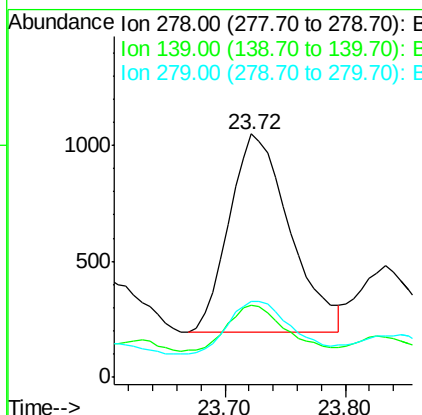
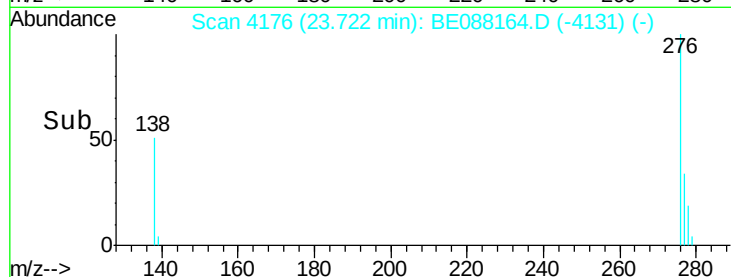
Instrument :
BNA_E
ClientSampleId :
YS19-SB03P-1014



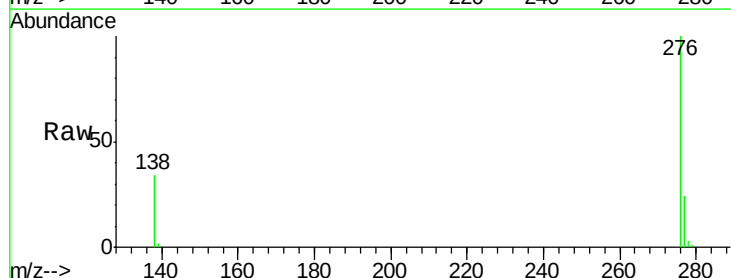
Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	20.9	31.3
279	31.2	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 1.68 ng
RT: 24.26 min Scan# 4259
Delta R.T. -0.00 min
Lab File: BE088164.D
Acq: 22 Oct 2014 4:41



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	33.5	26.6	40.0

