

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091456.D
 Acq On : 16 Mar 2016 23:06
 Operator : UM/SJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

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 3/17/2016 5:22:23 PM

Quant Time: Mar 17 15:38:33 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE031616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 07:07:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	65973	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	307390	5.00	ng	0.00
8) Acenaphthene-d10	14.44	164	180219	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	430963	5.00	ng	0.00
19) Chrysene-d12	21.34	240	556898	5.00	ng	0.00
25) Perylene-d12	23.81	264	528821	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	81207	5.67	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	252651	5.78	ng	0.00
21) Terphenyl-d14	19.80	244	434259	5.17	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	39244	6.45	ng	# 100
3) n-Nitrosodimethylamine	3.66	42	72554	10.31	ng	# 100
6) Naphthalene	10.67	128	394778	5.57	ng	99
7) 2-Methylnaphthalene	12.27	142	264429	6.27	ng	93
10) Acenaphthylene	14.16	152	468306	1.75	ng	# 100
11) Acenaphthene	14.51	154	298189	5.49	ng	# 100
12) Fluorene	15.49	166	381053	5.42	ng	# 100
14) Hexachlorobenzene	16.48	284	102607	4.19	ng	# 100
15) Pentachlorophenol	16.83	266	52166	9.68	ng	# 83
16) Phenanthrene	17.23	178	646697	4.40	ng	# 100
17) Anthracene	17.31	178	622233	2.96	ng	# 100
18) Fluoranthene	19.22	202	775883	3.63	ng	# 68
20) Pyrene	19.59	202	849784	5.40	ng	# 92
22) Benzo(a)anthracene	21.31	228	982208	5.10	ng	99
24) Indeno(1,2,3-cd)pyrene	26.40	276	971579	5.70	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	856744	5.55	ng	92
27) Benzo(k)fluoranthene	23.10	252	913268	6.40	ng	# 93
28) Benzo(a)pyrene	23.69	252	831159	6.38	ng	# 92
29) Dibenzo(a,h)anthracene	26.43	278	817755	6.54	ng	96
30) Benzo(g,h,i)perylene	27.20	276	820856	6.13	ng	99

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

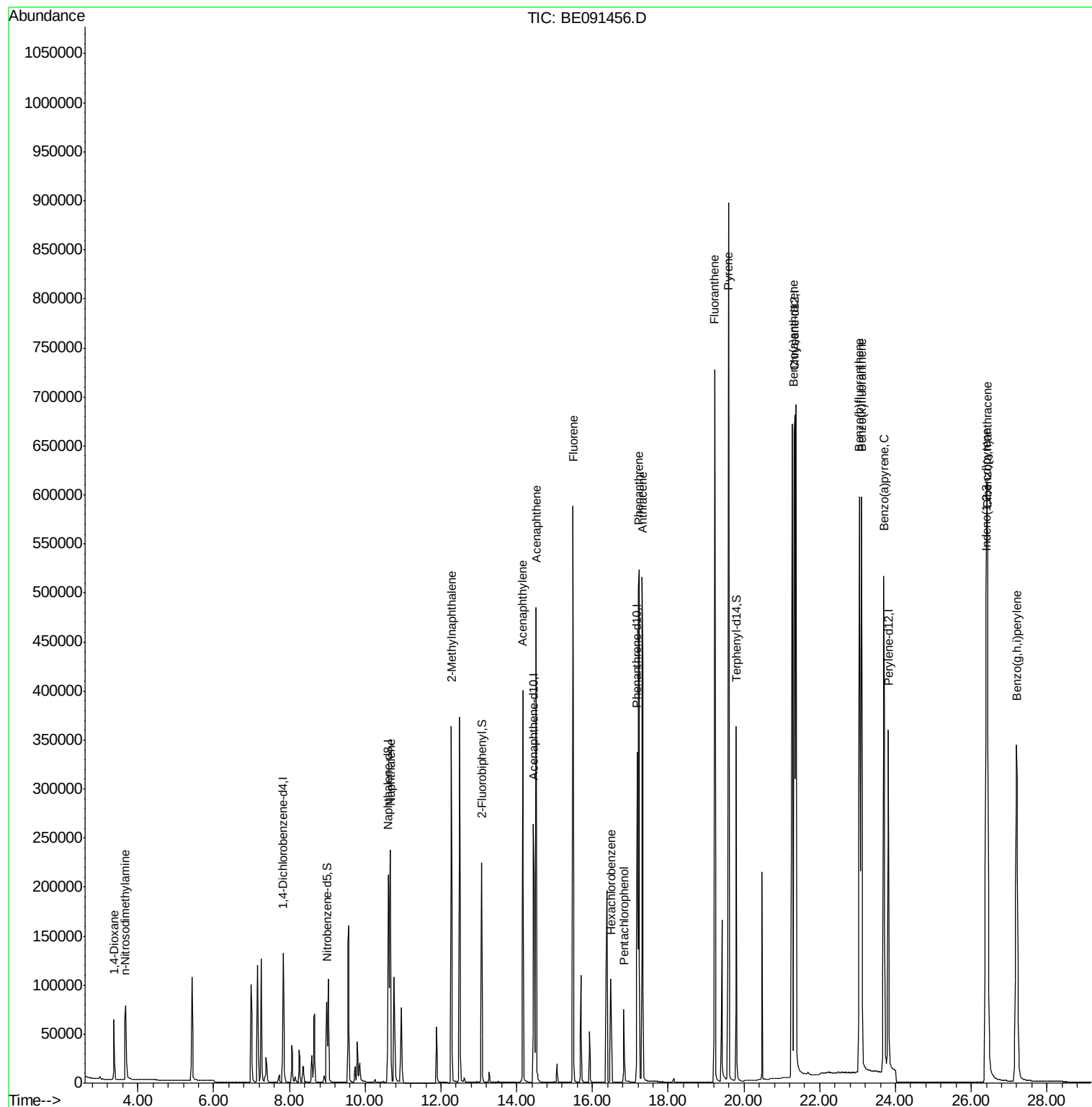
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
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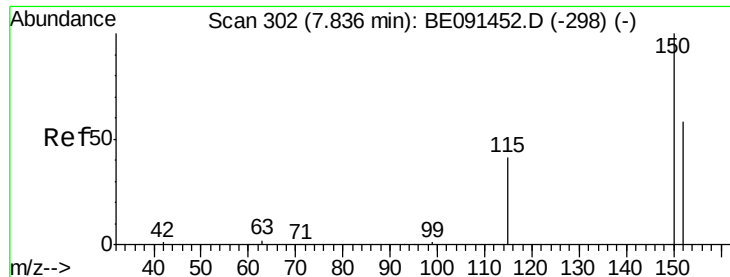
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091456.D

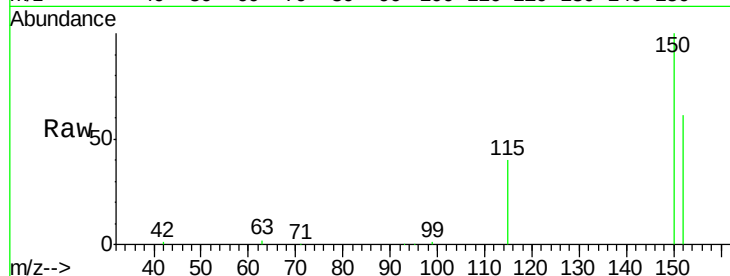
Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion: 152 Resp: 65973

Ion Ratio Lower Upper

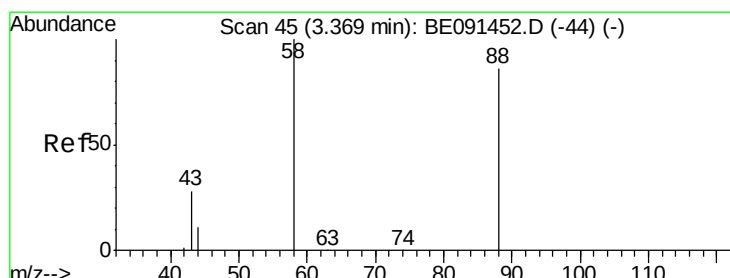
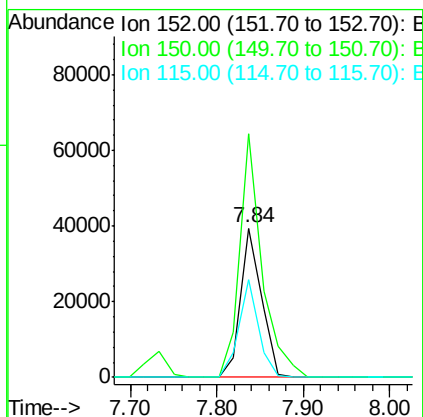
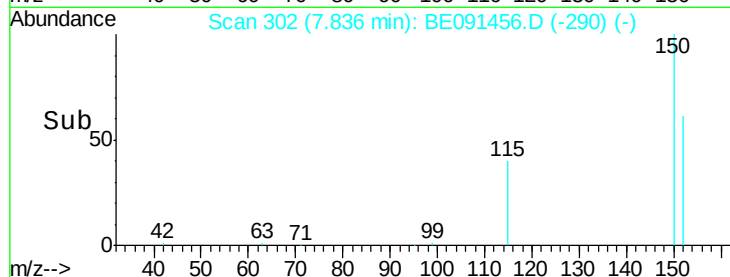
152 100

150 162.9 136.8 205.2

115 65.4 56.9 85.3

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#2

1,4-Dioxane

Concen: 6.45 ng

RT: 3.37 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

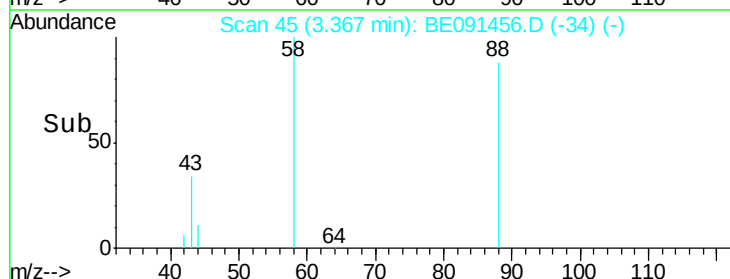
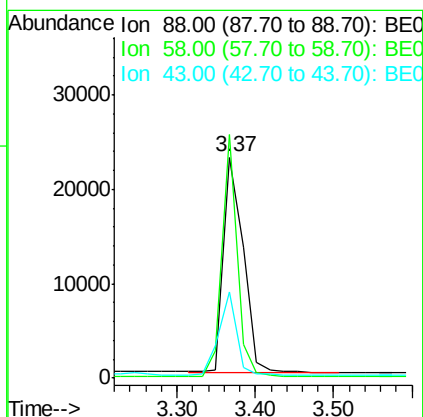
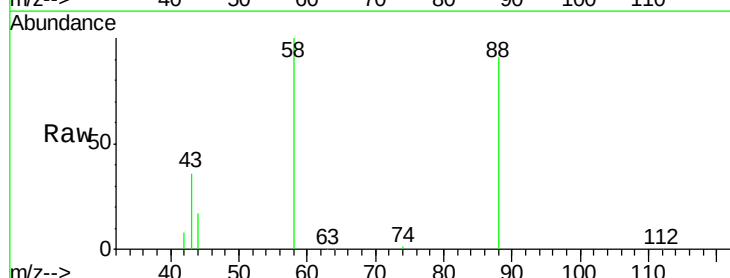
Tgt Ion: 88 Resp: 39244

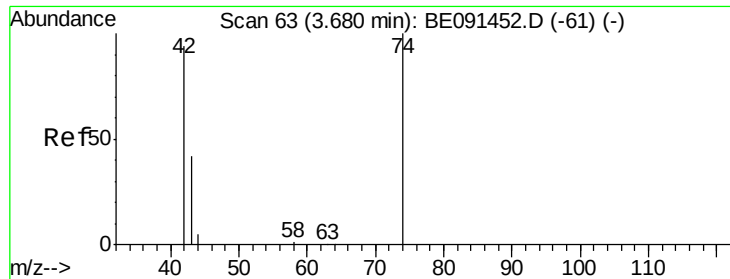
Ion Ratio Lower Upper

88 100

58 85.8 0.0 0.0#

43 34.3 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 10.31 ng

RT: 3.66 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

ClientSampleId :

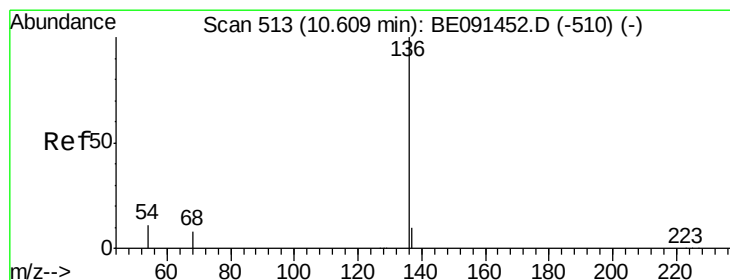
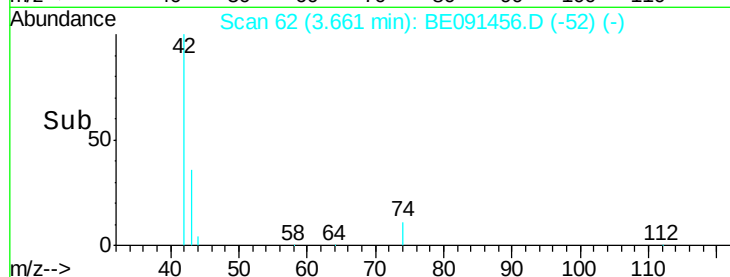
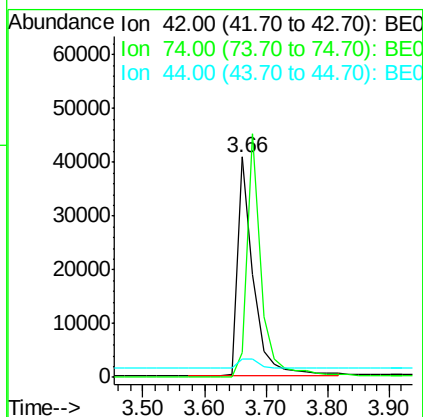
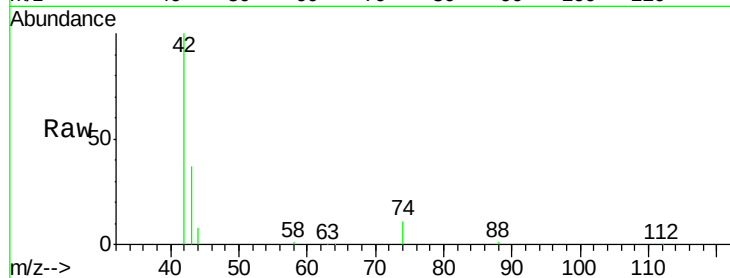
SSTDIC005

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Tgt Ion	Ratio	Lower	Upper
42	100		
74	99.0	0.0	0.0#
44	6.3	0.0	0.0#



#4

Naphthalene-d8

Concen: 5.00 ng

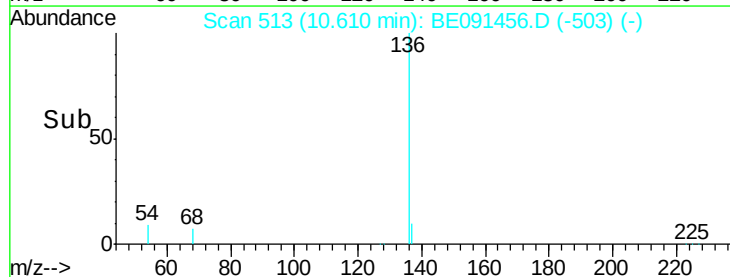
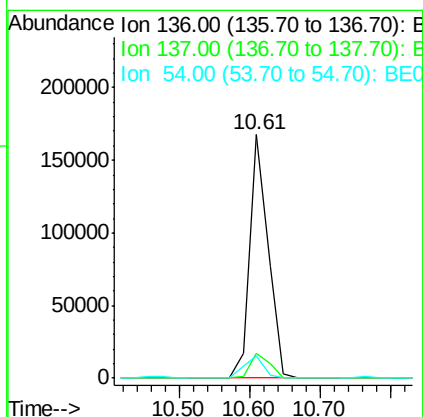
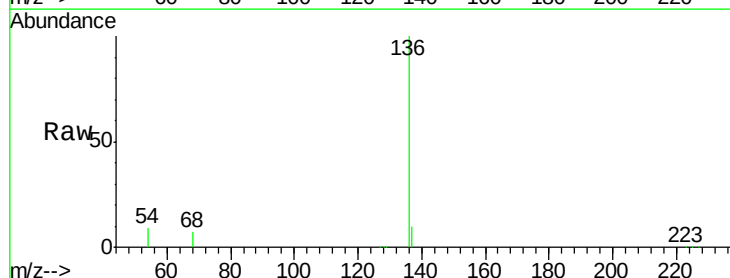
RT: 10.61 min Scan# 513

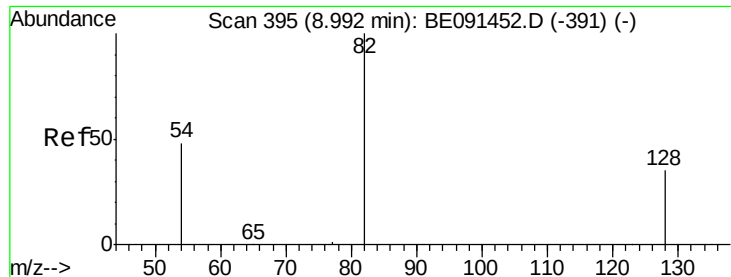
Delta R.T. 0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.0	12.0
54	9.4	9.1	13.7





#5

Nitrobenzene-d5

Concen: 5.67 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091456.D

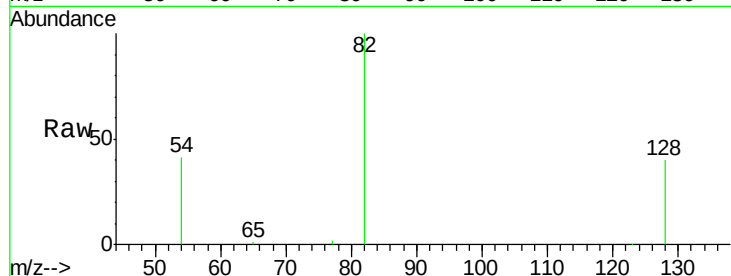
Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

ClientSampleId :

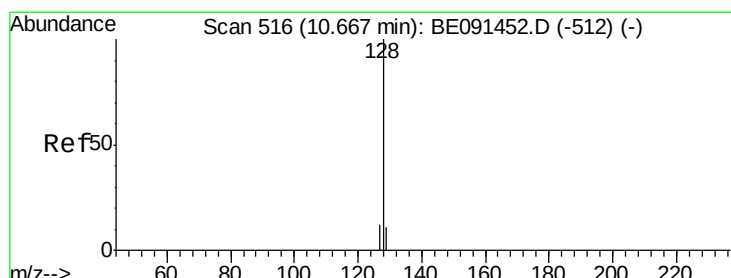
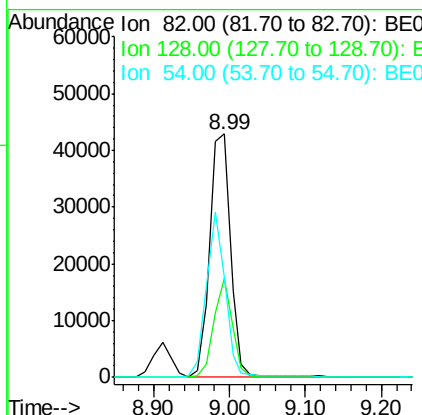
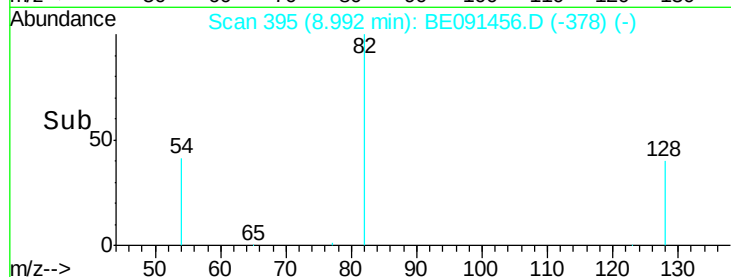
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Tgt Ion	82	Resp	81207
Ion Ratio	100	Lower	Upper
128	40.4	29.4	44.2
54	41.2	39.8	59.8

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#6

Naphthalene

Concen: 5.57 ng

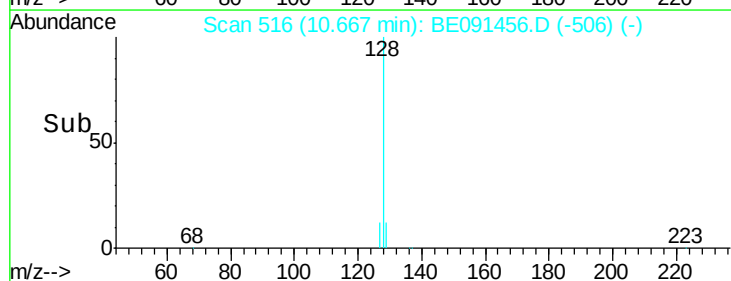
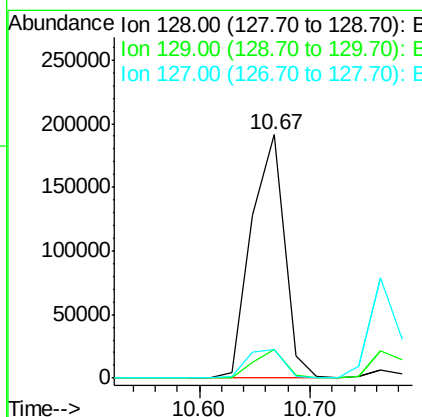
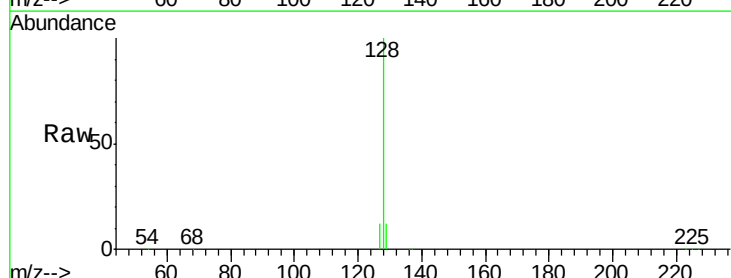
RT: 10.67 min Scan# 516

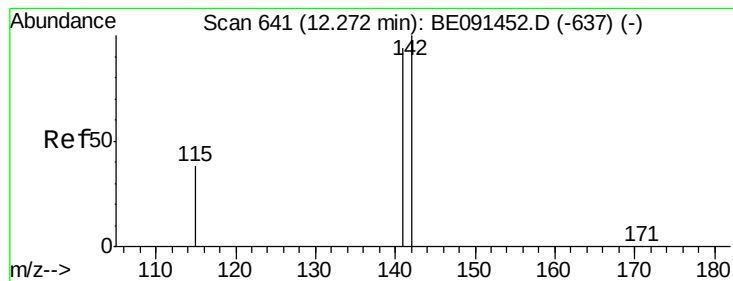
Delta R.T. 0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

Tgt Ion	128	Resp	394778
Ion Ratio	100	Lower	Upper
129	11.9	9.4	14.0
127	11.6	9.7	14.5





#7

2-Methylnaphthalene

Concen: 6.27 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

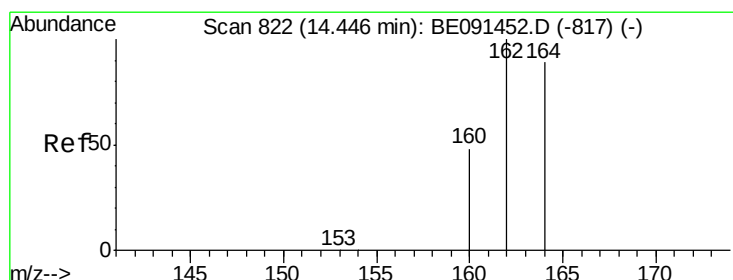
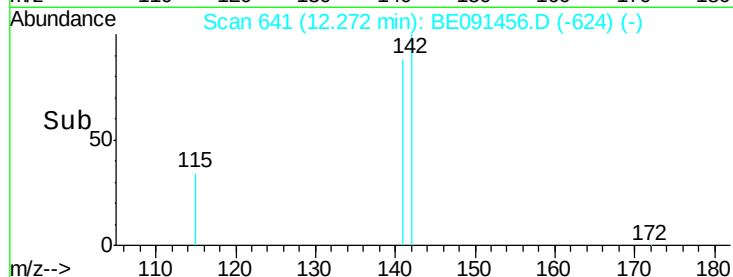
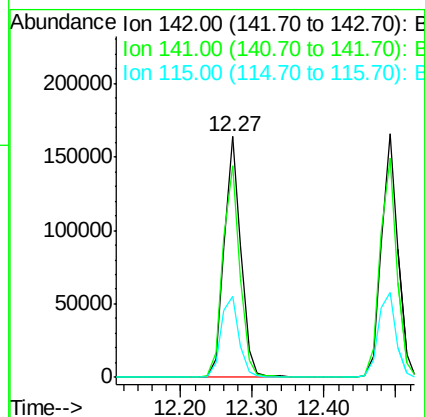
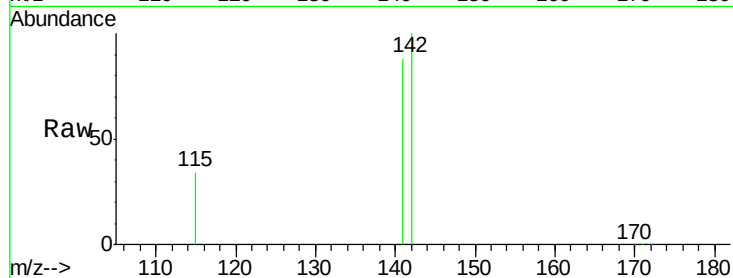
ClientSampleId :

SSTDIC005

Tgt Ion:	142	Resp:	264429
Ion Ratio	Lower	Upper	
142	100		
141	87.9	75.0	112.4
115	33.8	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

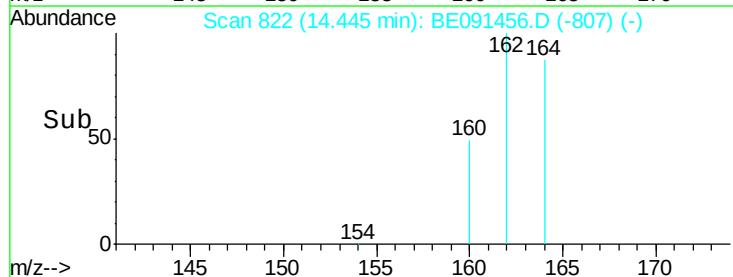
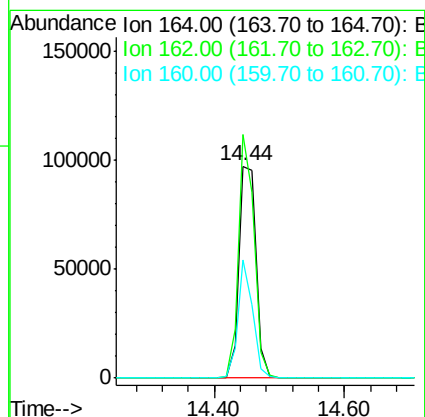
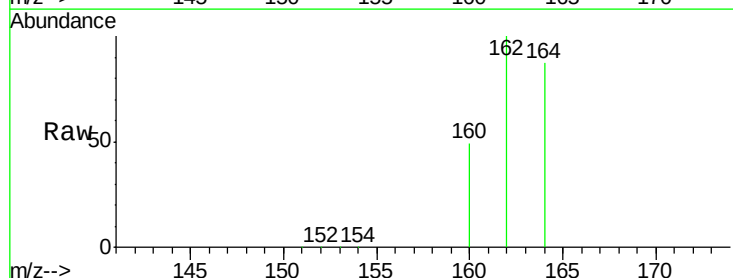
RT: 14.44 min Scan# 822

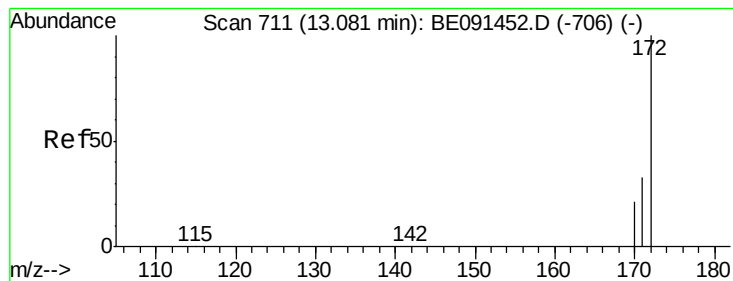
Delta R.T. -0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

Tgt Ion:	164	Resp:	180219
Ion Ratio	Lower	Upper	
164	100		
162	115.0	89.8	134.8
160	56.0	43.1	64.7





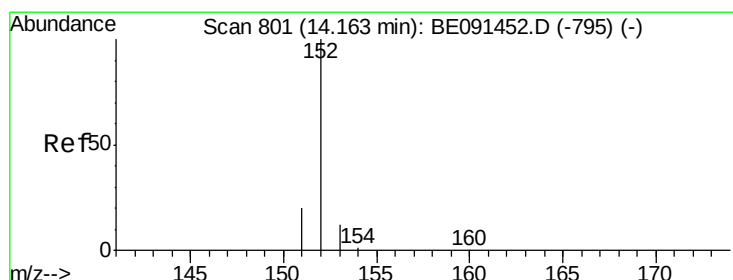
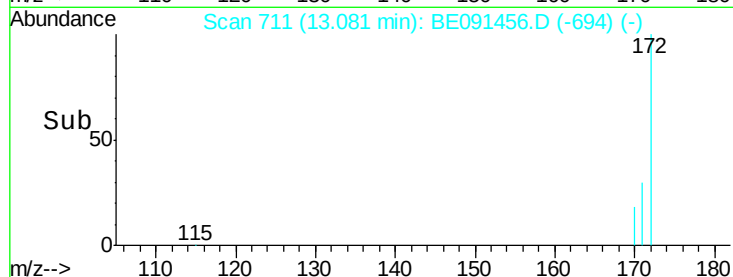
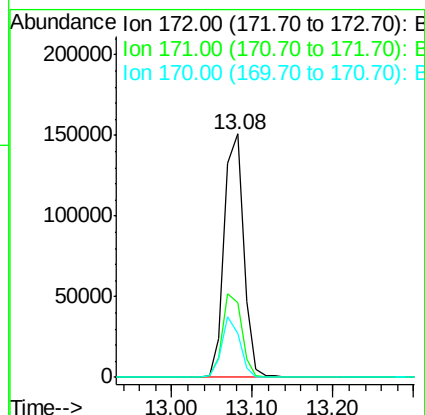
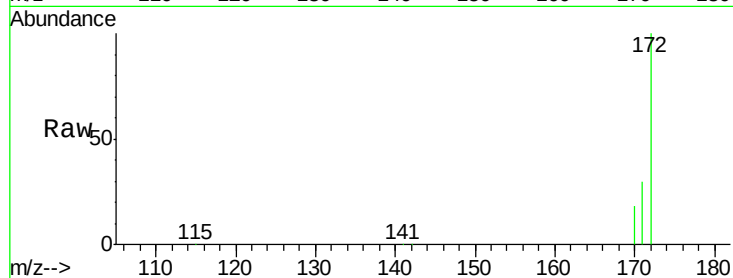
#9
2-Fluorobiphenyl
Concen: 5.78 ng
RT: 13.08 min Scan# 711
Delta R.T. 0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	252651		
171	30.4	26.7	40.1	
170	18.0	17.4	26.2	

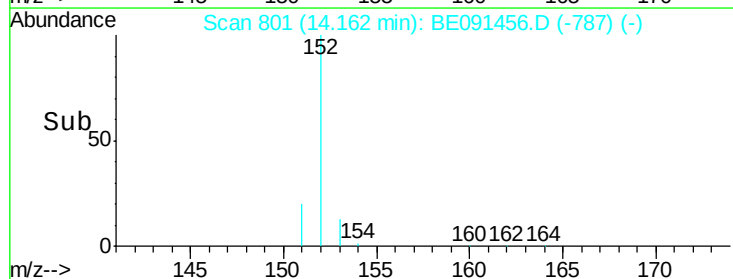
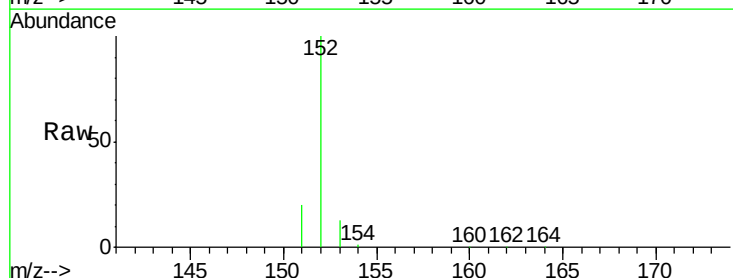
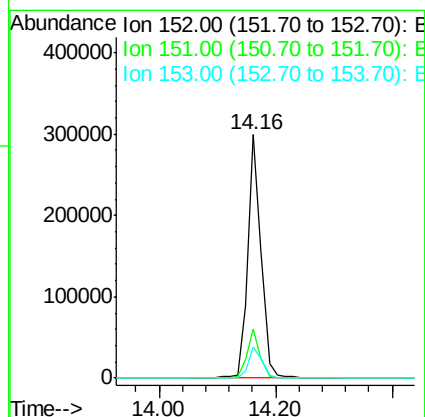
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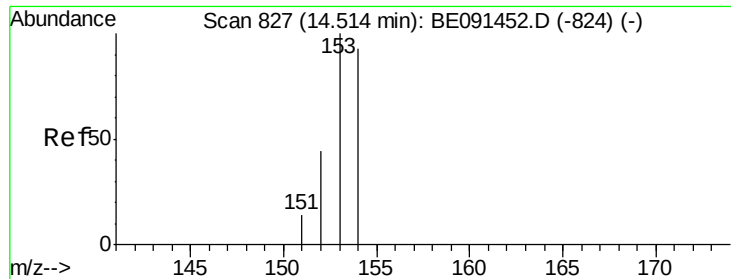
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#10
Acenaphthylene
Concen: 1.75 ng
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	468306		
151	19.5	0.0	0.0#	
153	13.3	0.0	0.0#	





#11

Acenaphthene

Concen: 5.49 ng

RT: 14.51 min Scan# 827

Delta R.T. -0.00 min

Lab File: BE091456.D

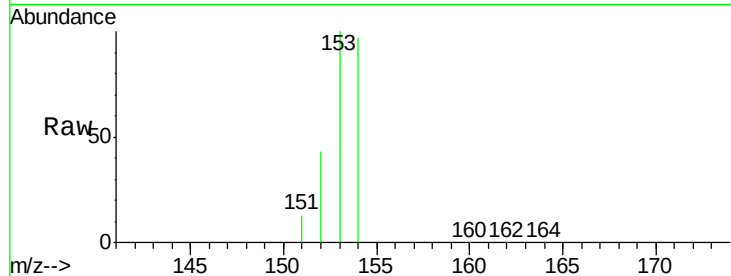
Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

ClientSampleId :

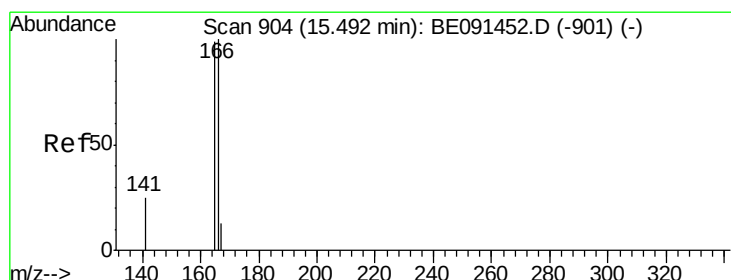
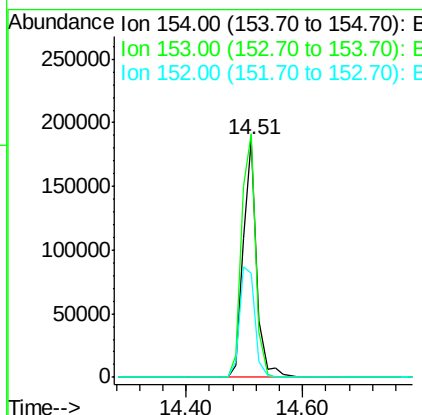
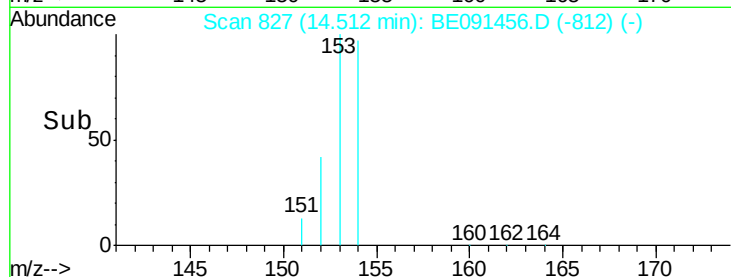
SSTDIC005



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	108.2	0.0	0.0#	
152	52.9	0.0	0.0#	

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#12

Fluorene

Concen: 5.42 ng

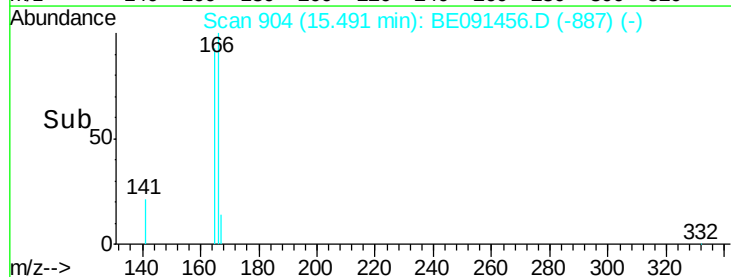
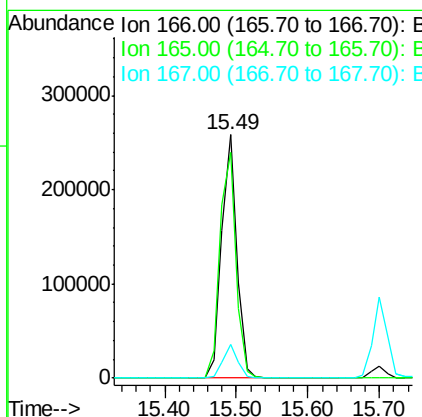
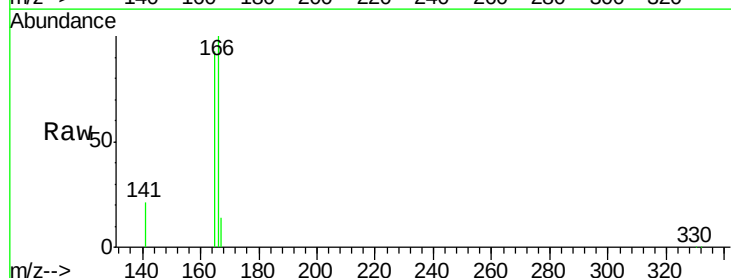
RT: 15.49 min Scan# 904

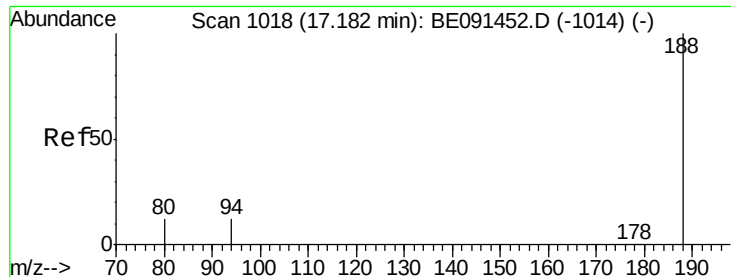
Delta R.T. -0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.0	0.0	0.0#	
167	13.5	0.0	0.0#	





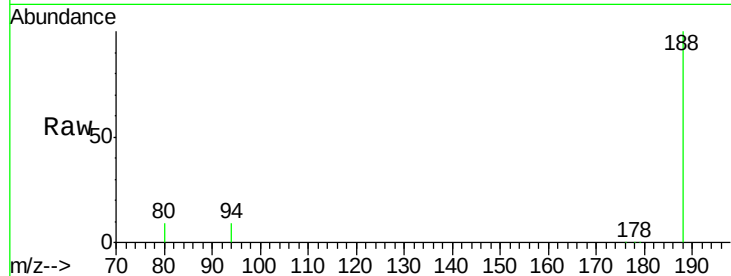
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

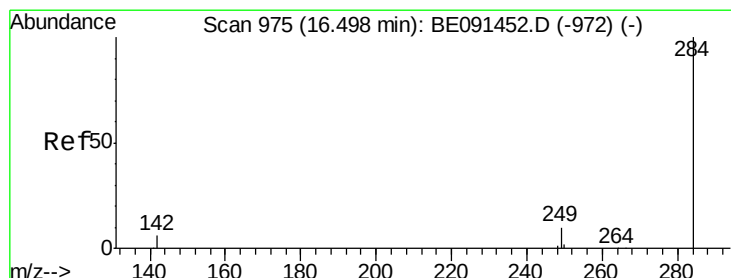
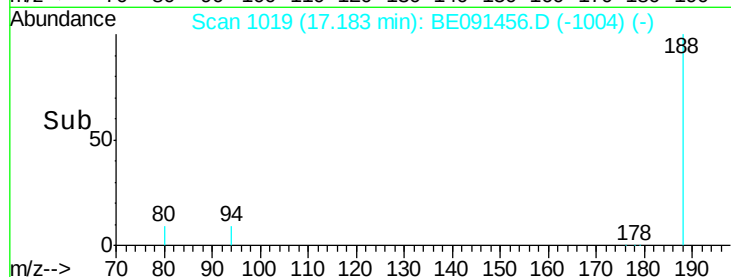
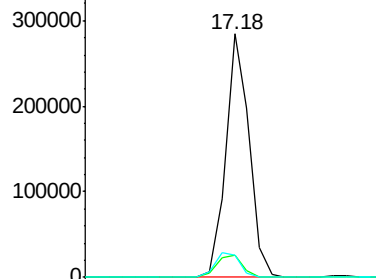
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.2	9.5	14.3#
80	9.0	9.8	14.8#

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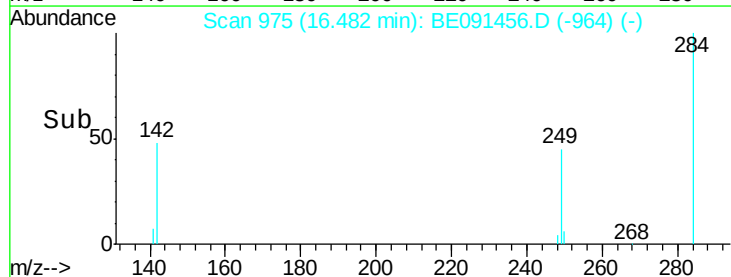
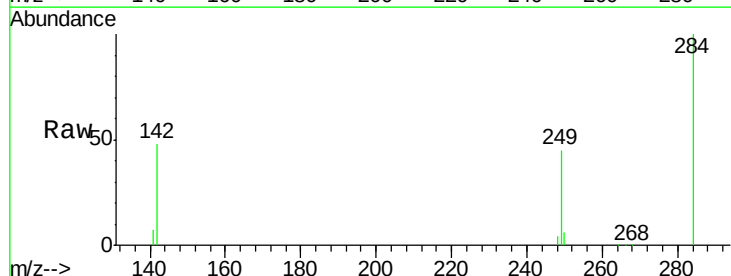
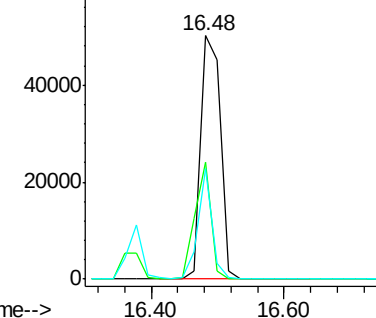
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

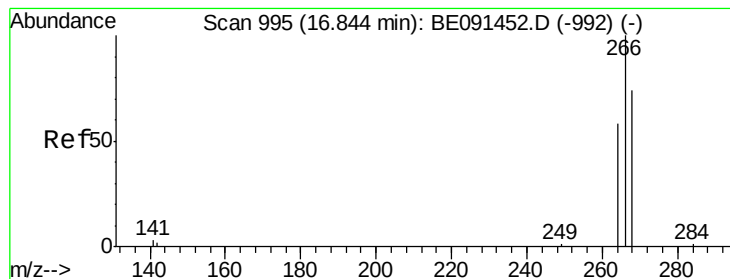


#14
Hexachlorobenzene
Concen: 4.19 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.02 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	38.6	0.0	0.0#
249	31.7	0.0	0.0#

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: 9.68 ng

RT: 16.83 min Scan# 995

Delta R.T. -0.02 min

Lab File: BE091456.D

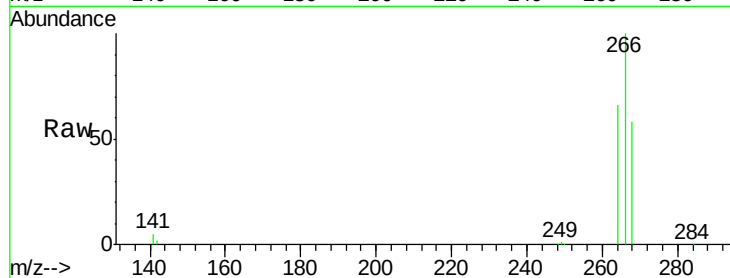
Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

ClientSampleId :

SSTDICC005



Tgt Ion: 266 Resp: 52166

Ion Ratio Lower Upper

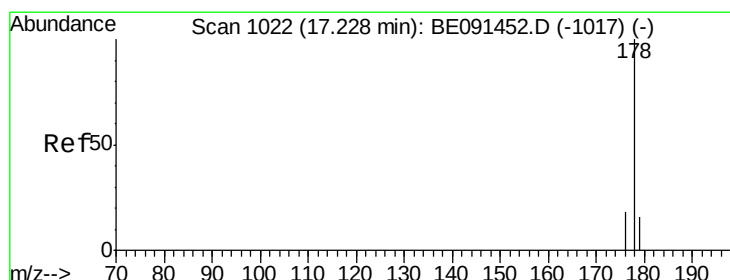
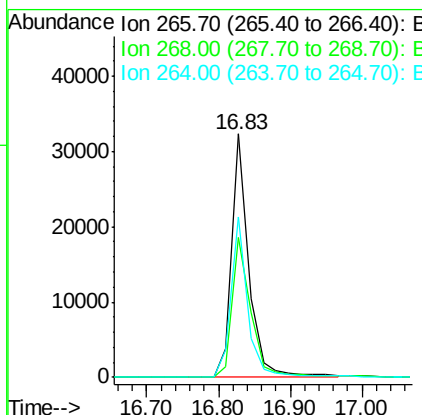
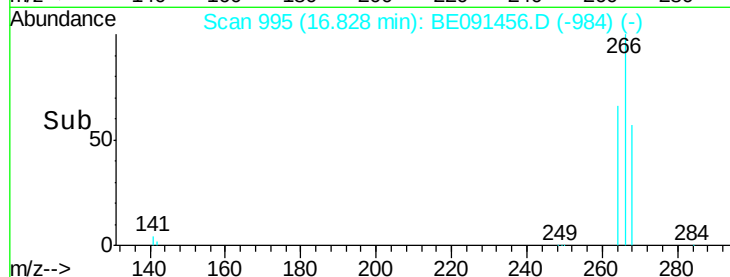
266 100

268 57.6 61.0 91.6#

264 65.7 45.7 68.5

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#16

Phenanthrene

Concen: 4.40 ng

RT: 17.23 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BE091456.D

Acq: 16 Mar 2016 23:06

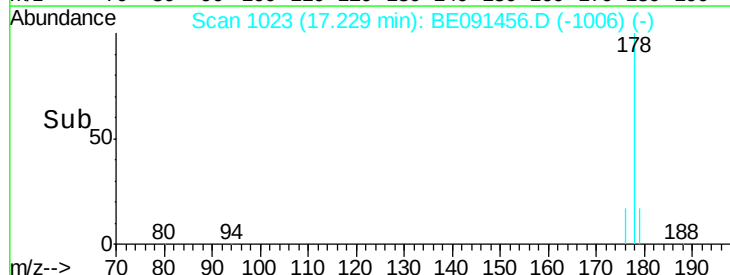
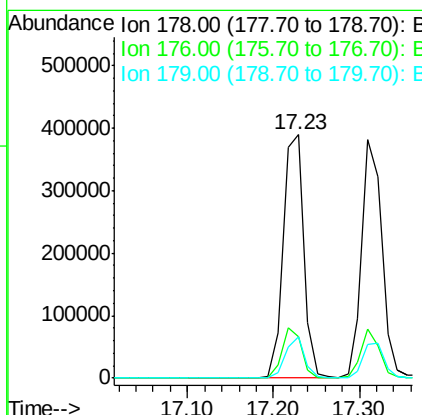
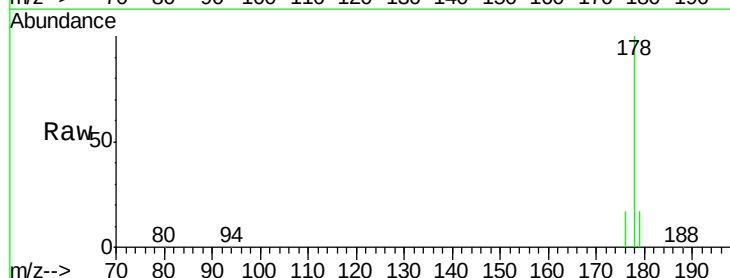
Tgt Ion: 178 Resp: 646697

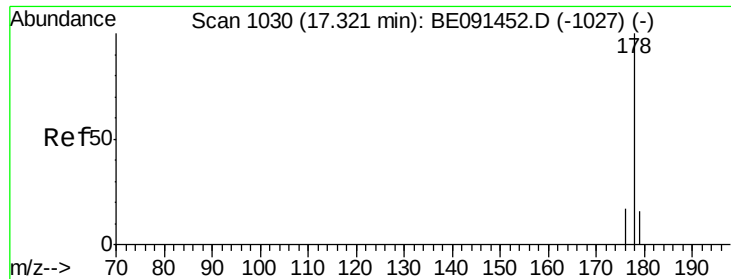
Ion Ratio Lower Upper

178 100

176 19.6 0.0 0.0#

179 15.4 0.0 0.0#





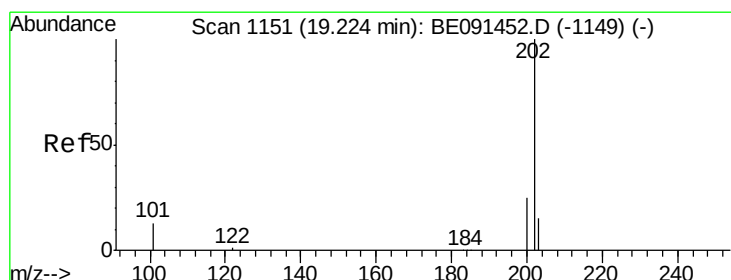
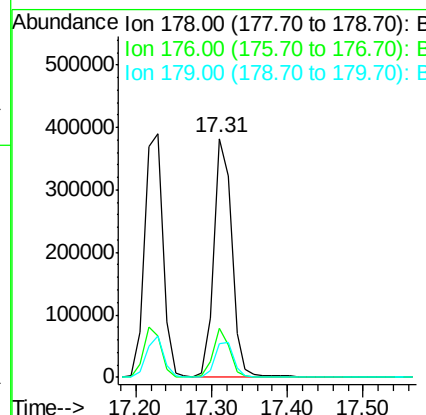
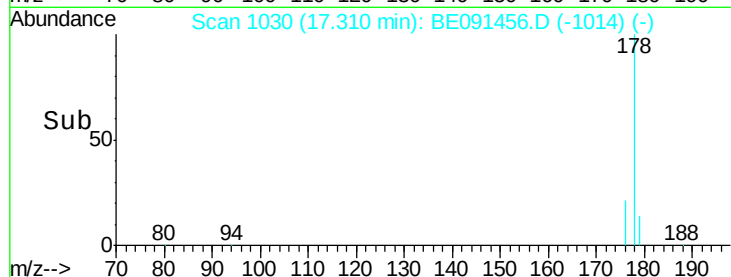
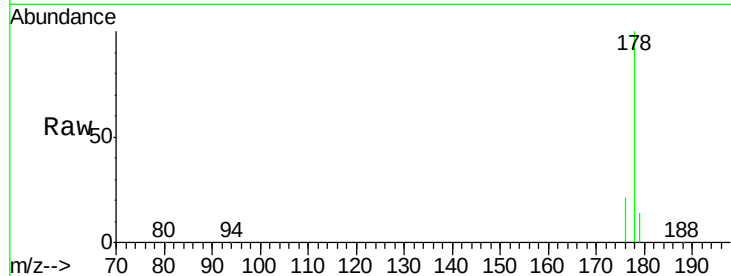
#17
 Anthracene
 Concen: 2.96 ng
 RT: 17.31 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BE091456.D
 Acq: 16 Mar 2016 23:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	0.0	0.0#
179	15.5	0.0	0.0#

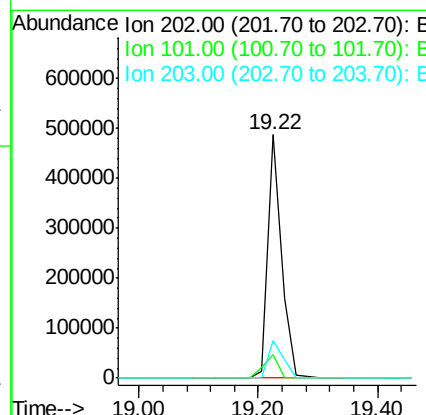
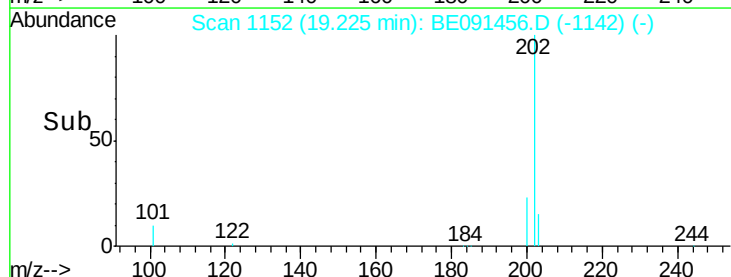
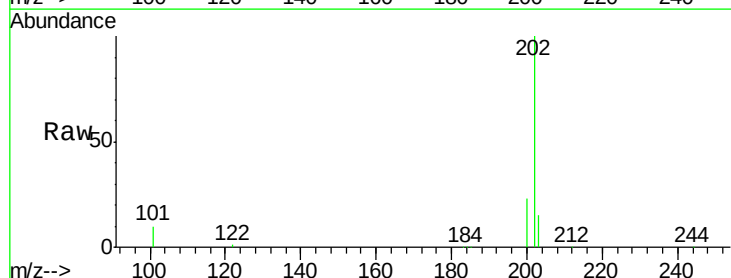
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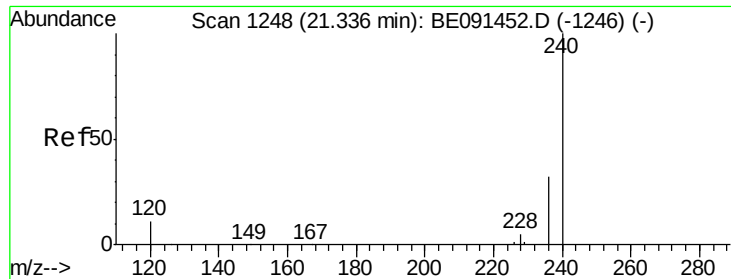
Sohil
 3/17/2016 5:22:23 PM



#18
 Fluoranthene
 Concen: 3.63 ng
 RT: 19.22 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE091456.D
 Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	1.1	1.7#
203	17.2	1.0	1.6#





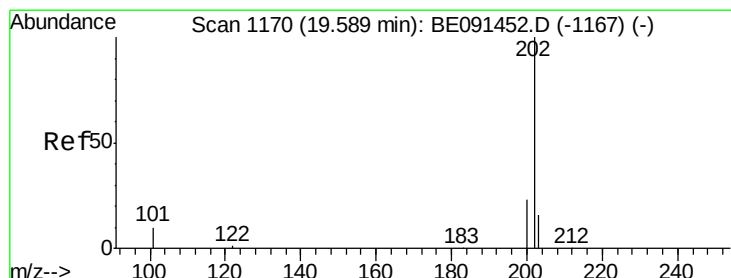
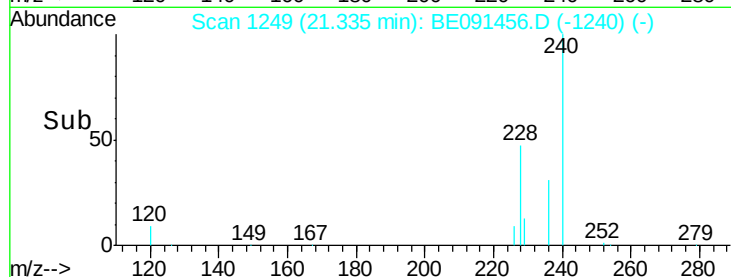
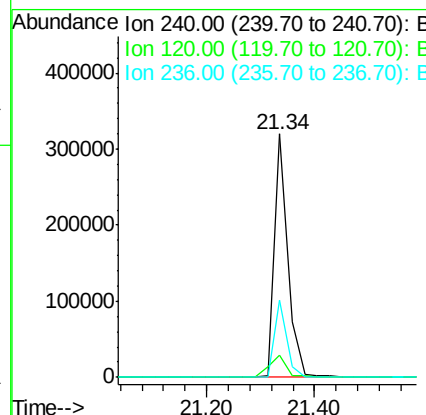
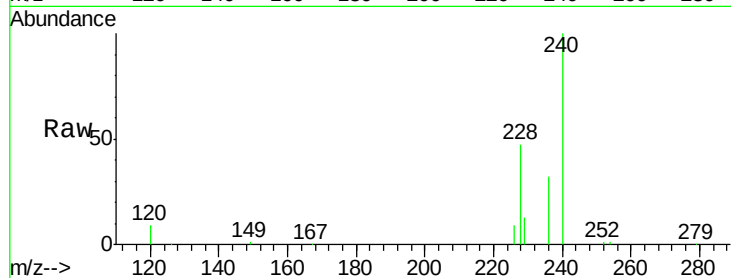
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.1	8.8	13.2
236	31.5	25.7	38.5

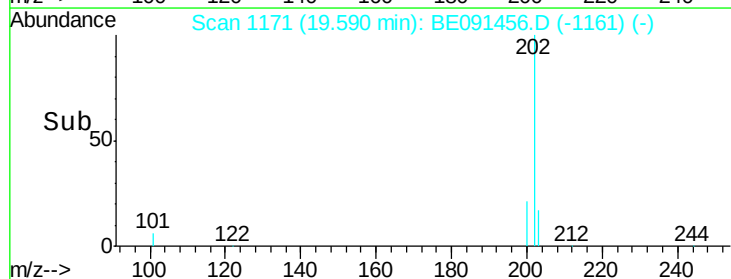
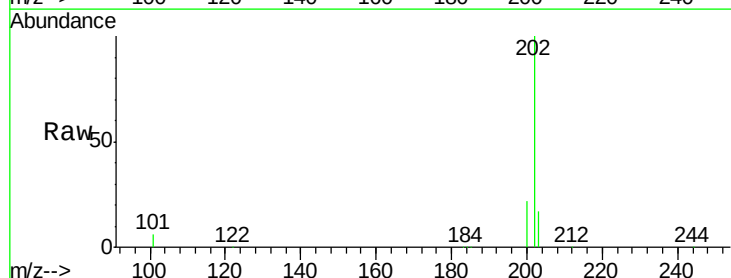
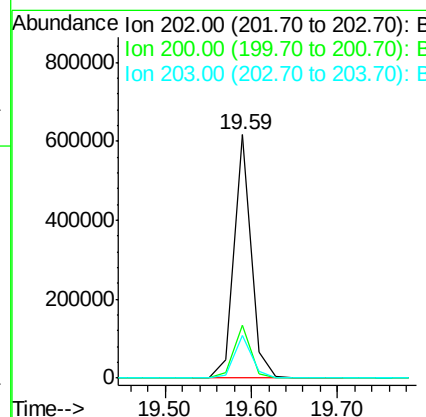
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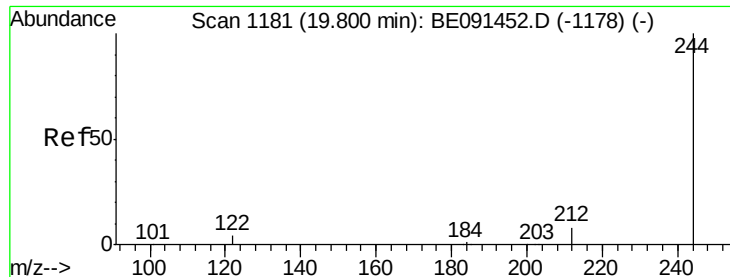
Sohil
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#20
Pyrene
Concen: 5.40 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	0.0	0.0#
203	17.8	0.1	0.1#





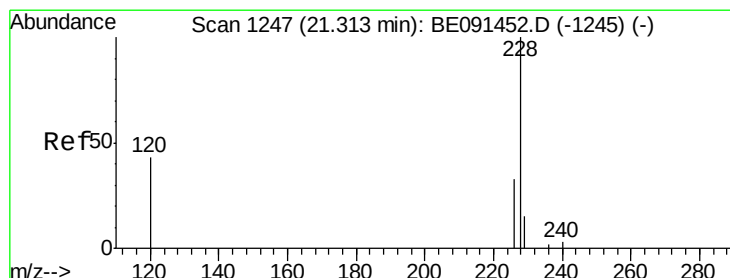
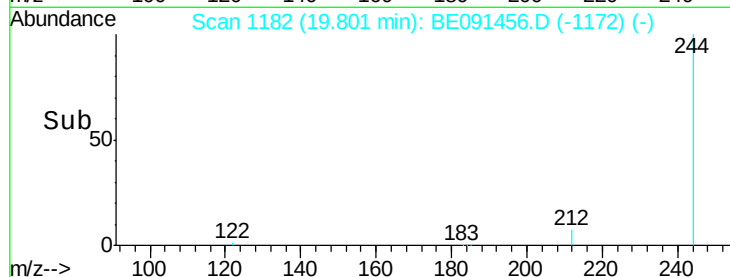
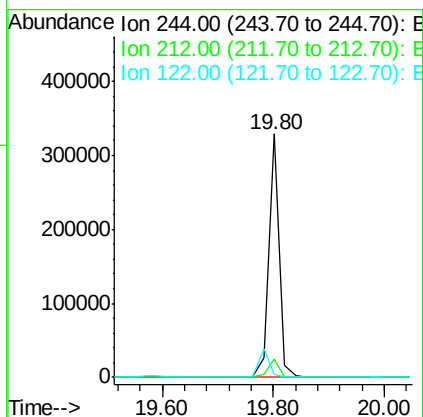
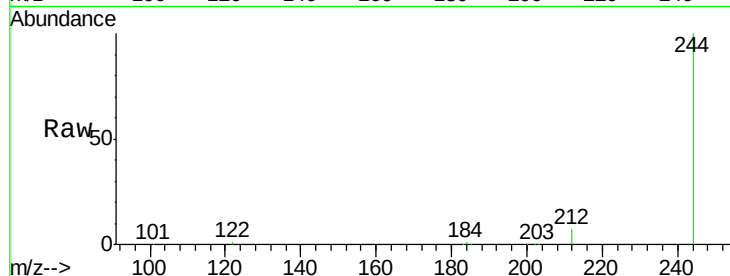
#21
 Terphenyl-d14
 Concen: 5.17 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BE091456.D
 Acq: 16 Mar 2016 23:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.4	6.6	10.0
122	1.4	3.4	5.0

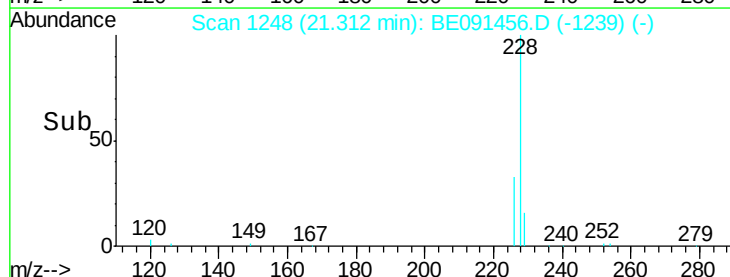
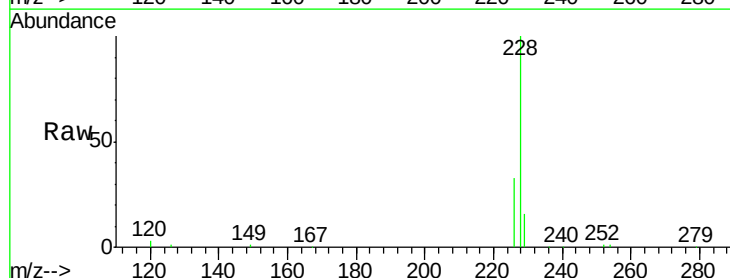
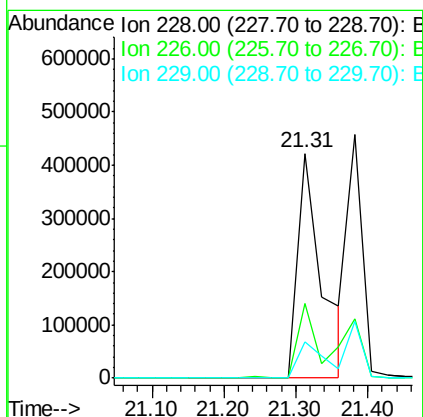
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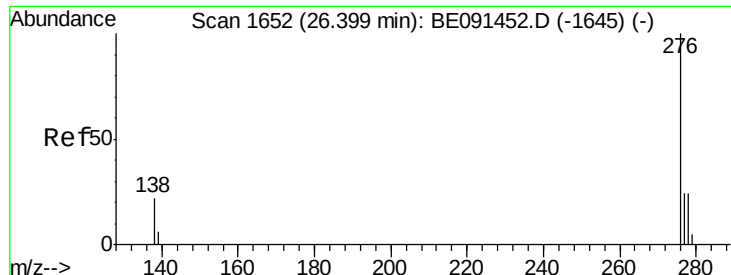
Sohil
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#22
 Benzo(a)anthracene
 Concen: 5.10 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE091456.D
 Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	33.4	27.1	40.7
229	16.2	12.3	18.5





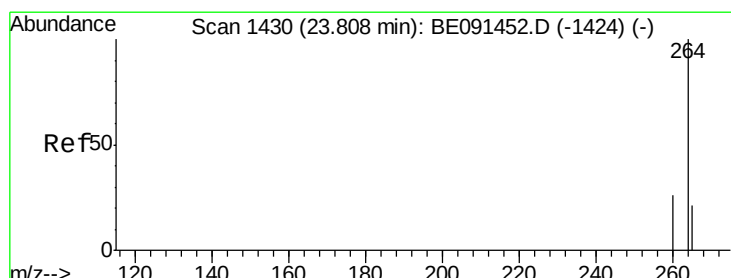
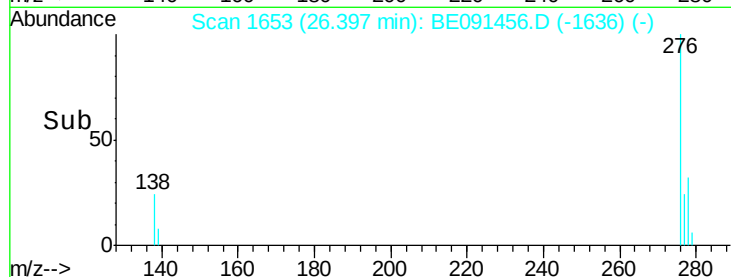
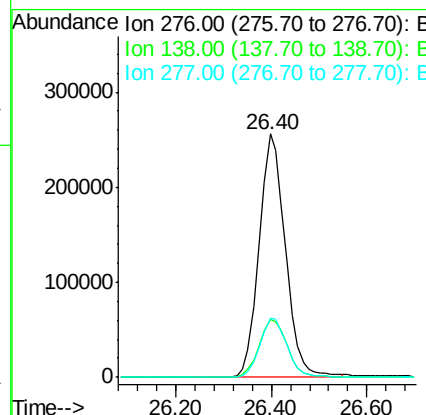
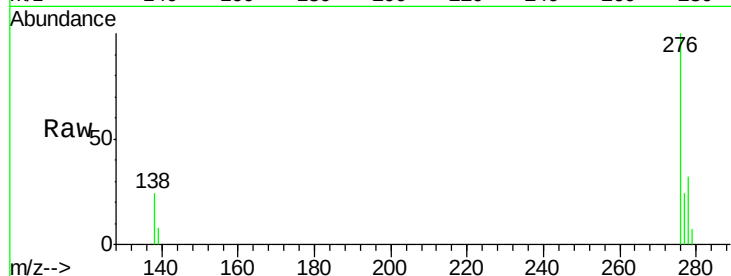
#24
Indeno(1,2,3-cd)pyrene
Concen: 5.70 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.4	0.0	0.0#
277	25.0	0.0	0.0#

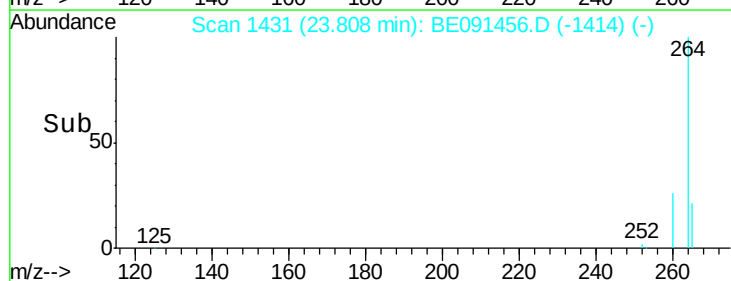
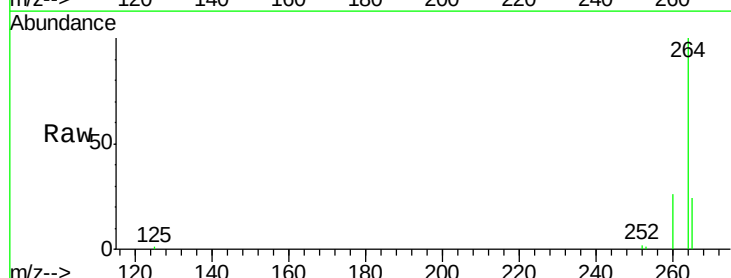
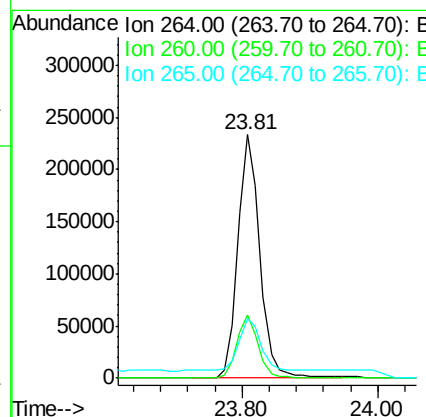
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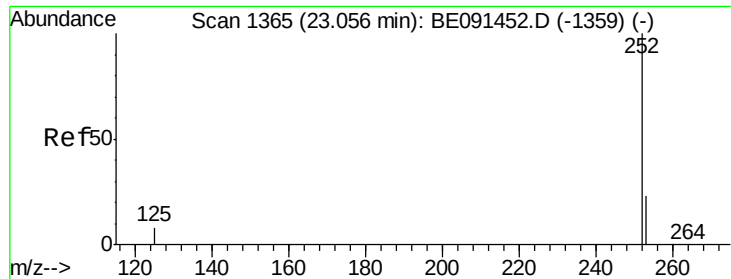
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.7	20.7	31.1
265	24.3	19.4	29.2





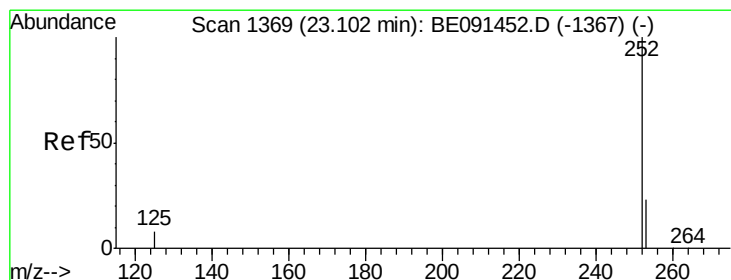
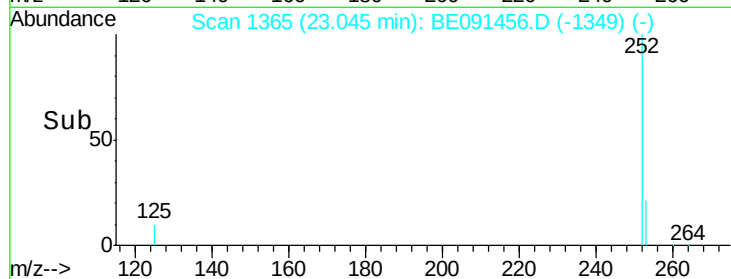
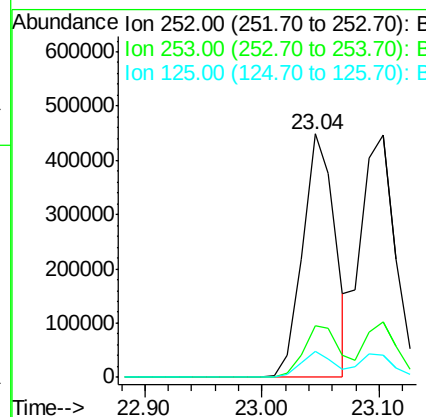
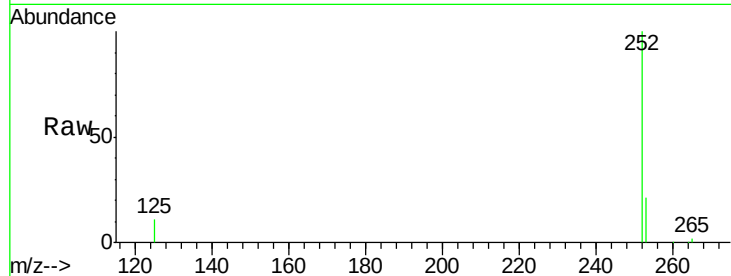
#26
Benzo(b)fluoranthene
Concen: 5.55 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	20.6	30.8
125	10.5	10.2	15.4

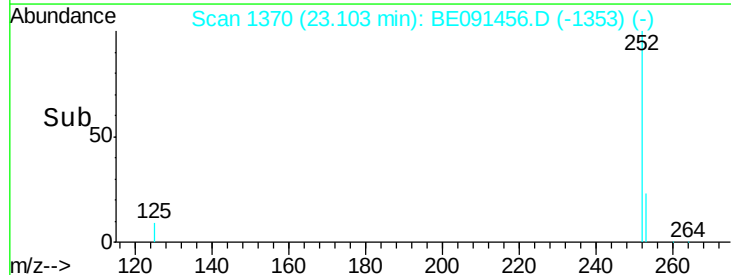
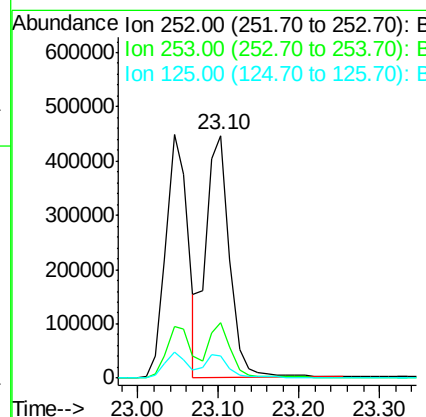
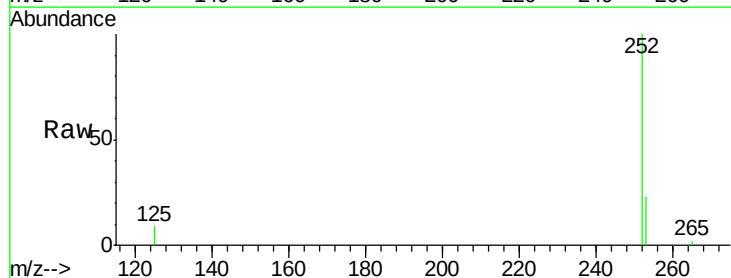
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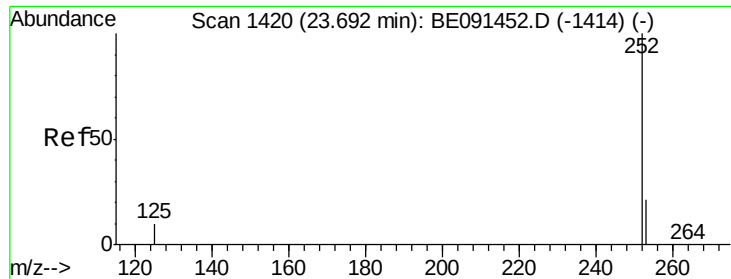
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#27
Benzo(k)fluoranthene
Concen: 6.40 ng
RT: 23.10 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.2	30.2
125	9.3	10.6	16.0





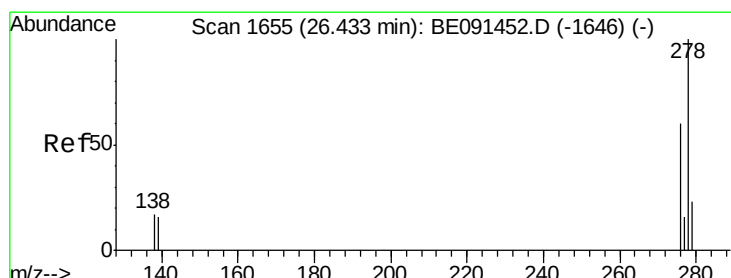
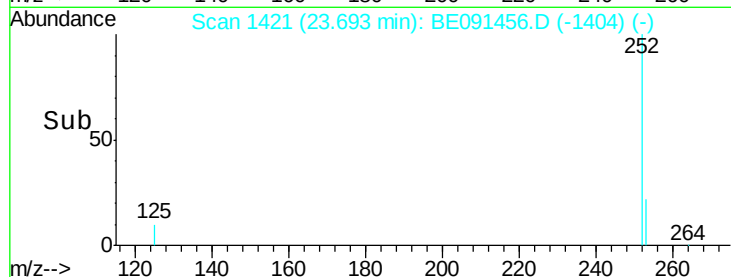
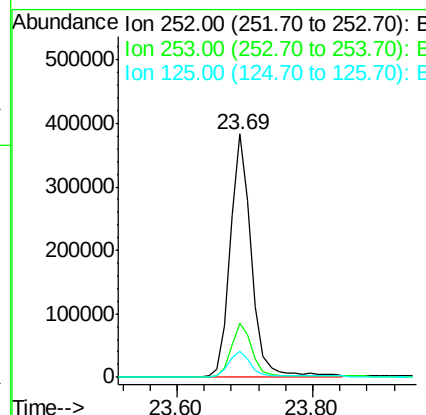
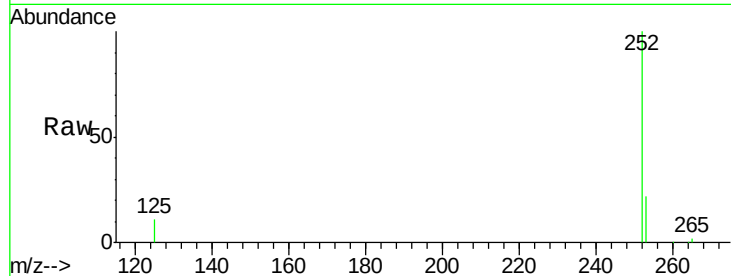
#28
Benzo(a)pyrene
Concen: 6.38 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	20.0	30.0
125	10.7	12.7	19.1#

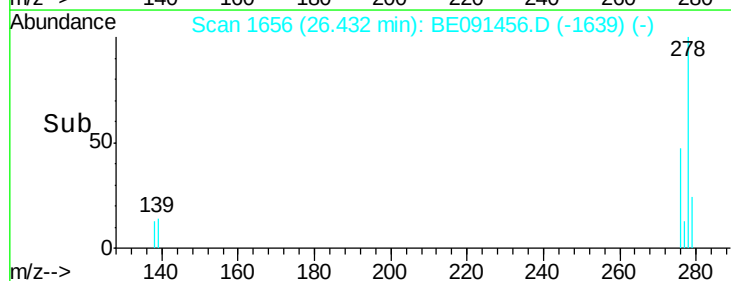
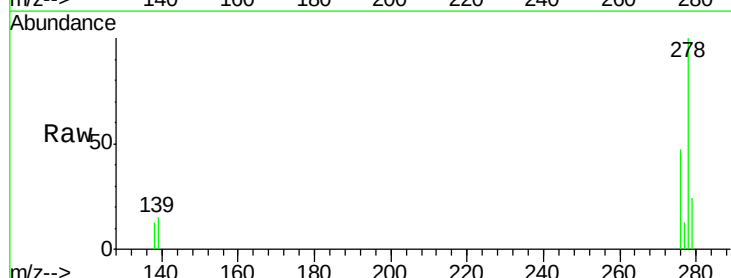
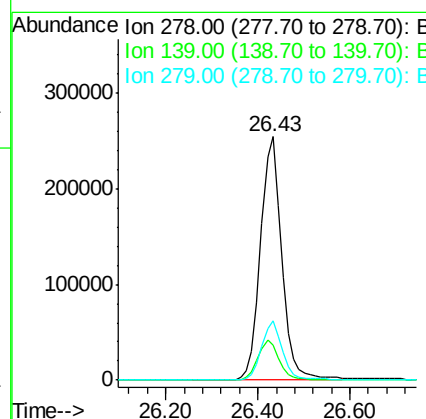
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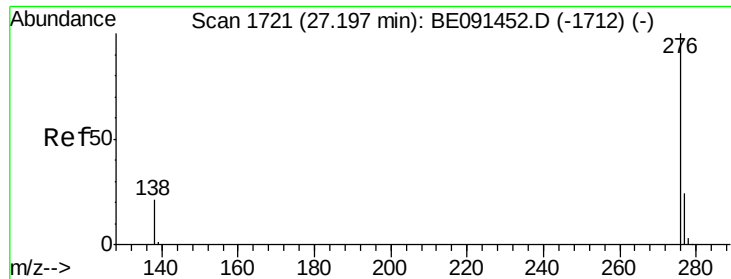
Sohil
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#29
Dibenzo(a,h)anthracene
Concen: 6.54 ng
RT: 26.43 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE091456.D
Acq: 16 Mar 2016 23:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.3	19.9
279	24.4	20.9	31.3





#30

Benzo(g,h,i)perylene

Concen: 6.13 ng

RT: 27.20 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BE091456.D

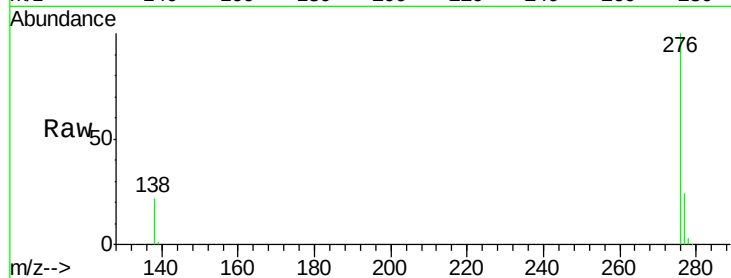
Acq: 16 Mar 2016 23:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		820856		
277	23.9	19.8	29.8		
138	22.3	17.6	26.4		

Manual Integrations
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