

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091452.D
 Acq On : 16 Mar 2016 20:37
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Manual Integrations
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 3/17/2016 5:22:15 PM

Quant Time: Mar 17 07:15:19 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	71762	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	322491	5.00	ng	0.00
8) Acenaphthene-d10	14.45	164	200086	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	504334	5.00	ng	0.00
19) Chrysene-d12	21.34	240	633639	5.00	ng	0.00
25) Perylene-d12	23.81	264	632428	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	4996	0.33	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	18924	0.39	ng	0.00
21) Terphenyl-d14	19.80	244	35819	0.37	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	3588	0.54	ng	# 100
3) n-Nitrosodimethylamine	3.68	42	4981	0.65	ng	# 100
6) Naphthalene	10.67	128	30360	0.41	ng	100
7) 2-Methylnaphthalene	12.27	142	19147	0.43	ng	100
10) Acenaphthylene	14.16	152	28520	0.10	ng	# 100
11) Acenaphthene	14.51	154	22474	0.37	ng	# 100
12) Fluorene	15.49	166	29541	0.38	ng	# 100
14) Hexachlorobenzene	16.50	284	8139	0.28	ng	# 100
15) Pentachlorophenol	16.84	266	3012	0.48	ng	100
16) Phenanthrene	17.23	178	54222	0.31	ng	# 100
17) Anthracene	17.32	178	46305	0.19	ng	# 100
18) Fluoranthene	19.22	202	61197	0.24	ng	# 67
20) Pyrene	19.59	202	66284	0.37	ng	# 92
22) Benzo(a)anthracene	21.31	228	81207m	0.37	ng	
23) Chrysene	21.38	228	75990m	0.34	ng	
24) Indeno(1,2,3-cd)pyrene	26.40	276	78212	0.40	ng	# 100
26) Benzo(b)fluoranthene	23.06	252	81798	0.44	ng	100
27) Benzo(k)fluoranthene	23.10	252	72750	0.43	ng	100
28) Benzo(a)pyrene	23.69	252	66367	0.43	ng	100
29) Dibenzo(a,h)anthracene	26.43	278	64609	0.43	ng	100
30) Benzo(g,h,i)perylene	27.20	276	68795	0.43	ng	100

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

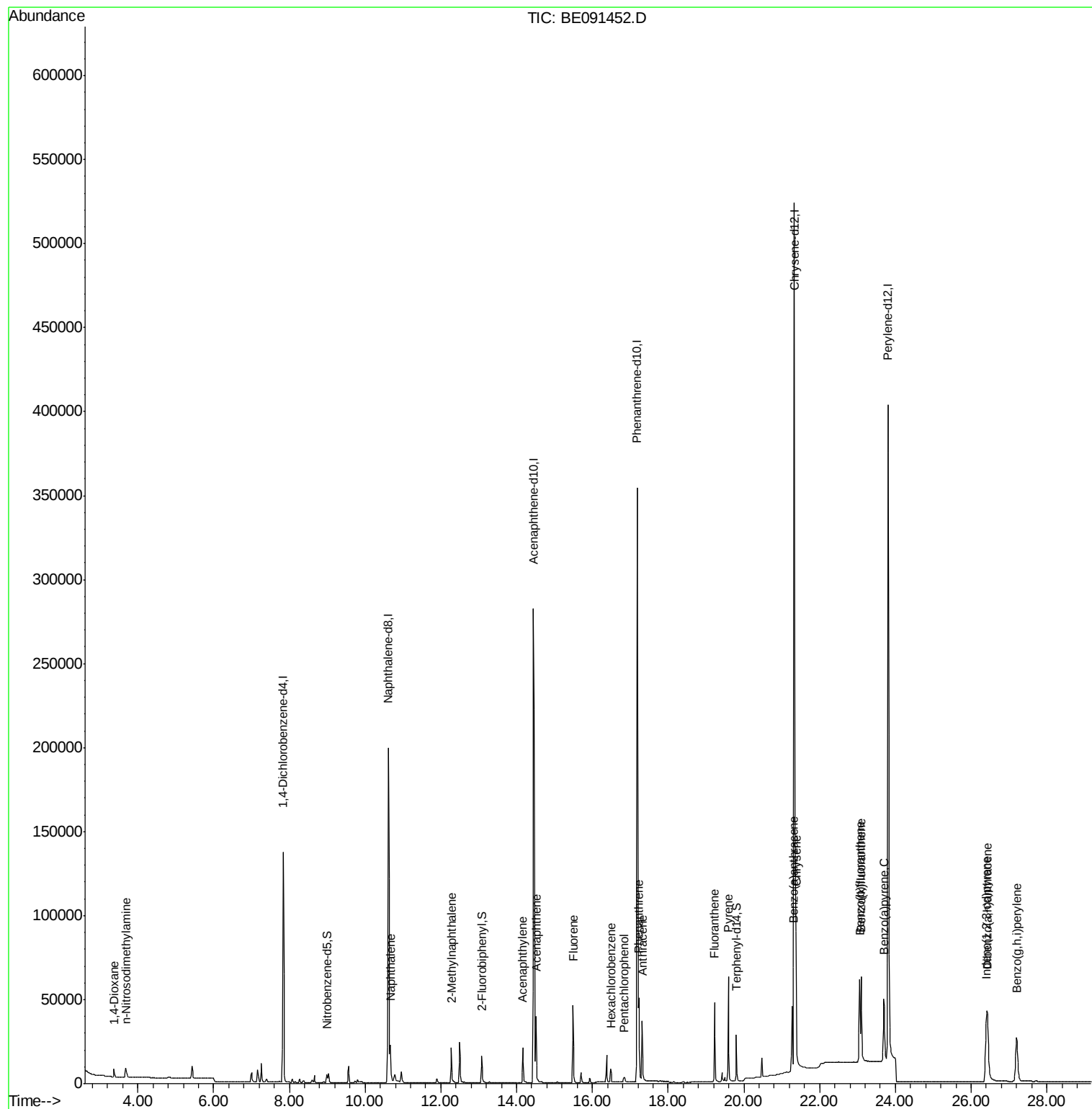
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
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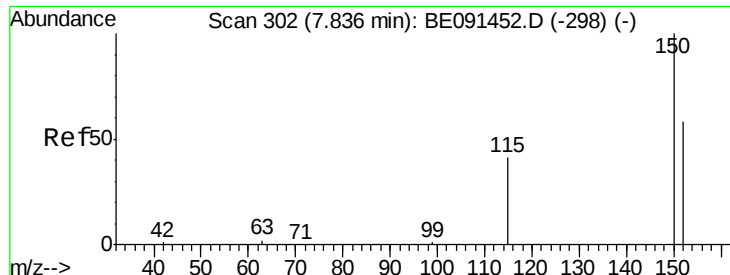
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091452.D

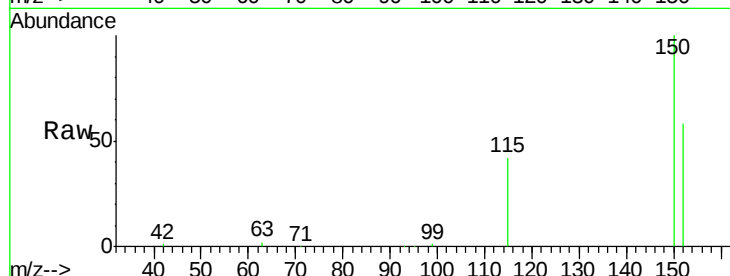
Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4



Tgt Ion: 152 Resp: 71762

Ion Ratio Lower Upper

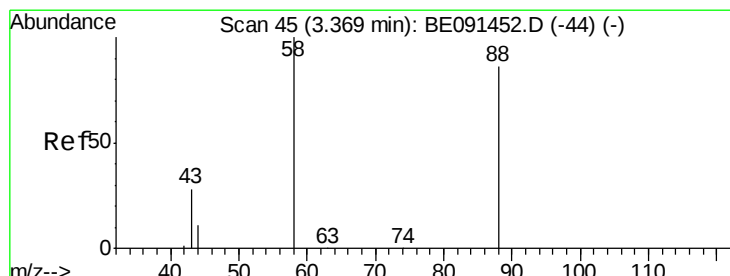
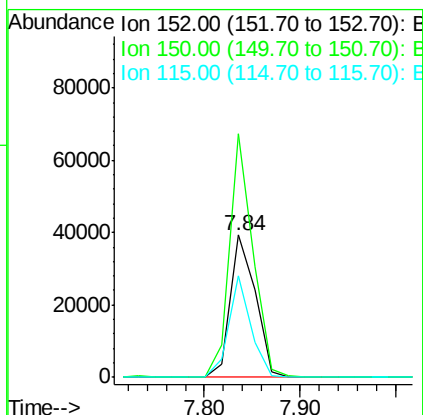
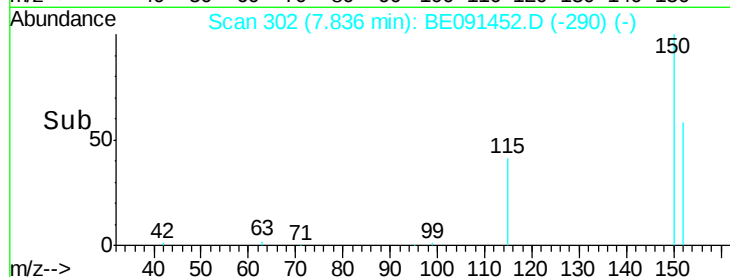
152 100

150 171.0 136.8 205.2

115 71.1 56.9 85.3

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#2

1,4-Dioxane

Concen: 0.54 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

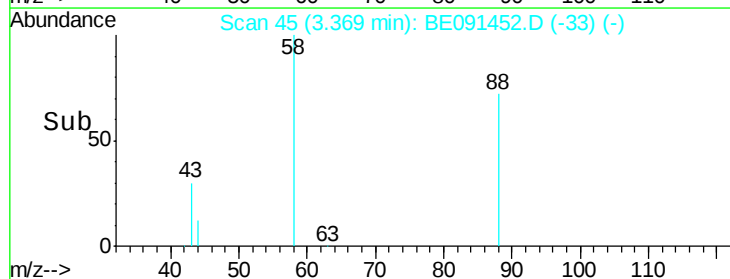
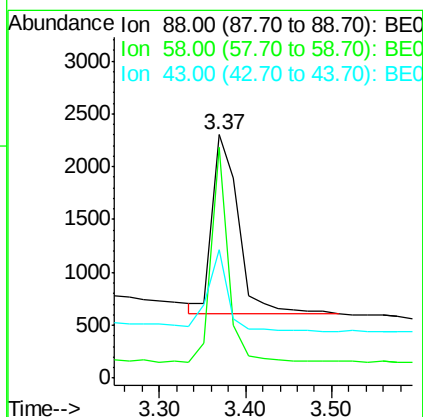
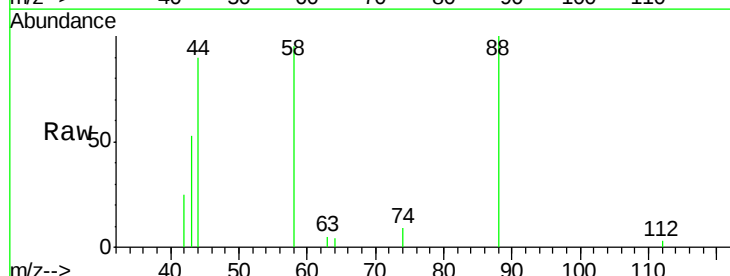
Tgt Ion: 88 Resp: 3588

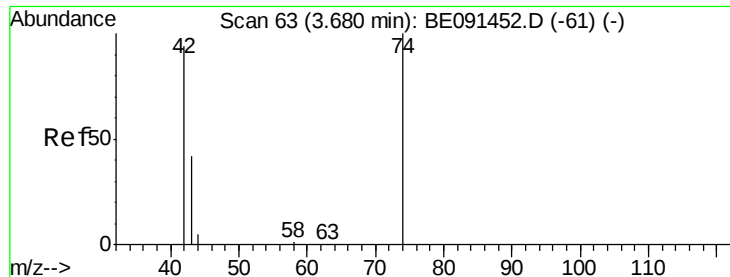
Ion Ratio Lower Upper

88 100

58 77.1 0.0 0.0#

43 38.1 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 0.65 ng

RT: 3.68 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

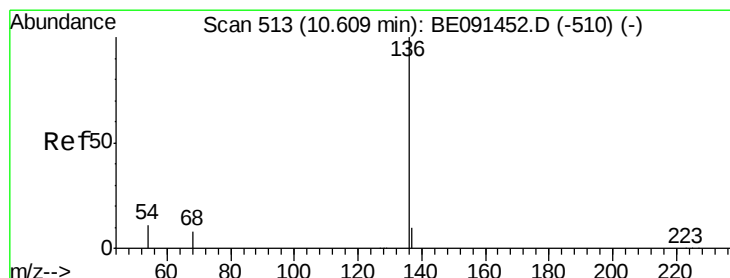
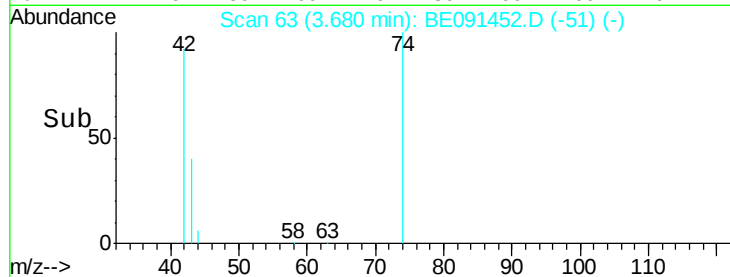
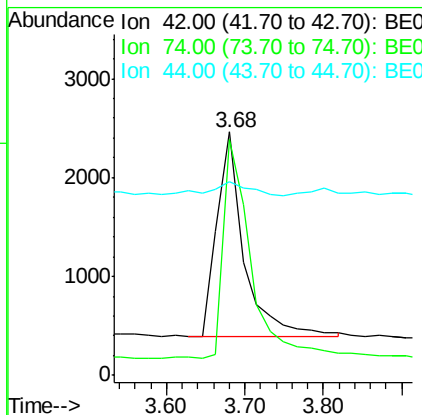
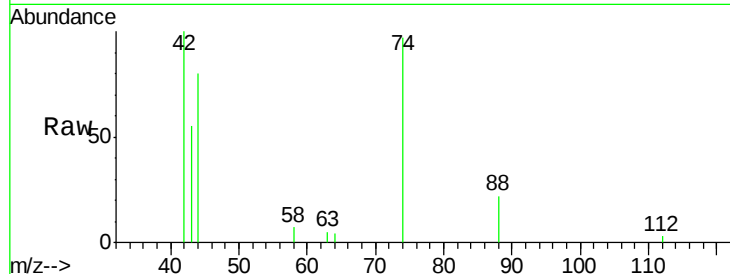
ClientSampleId :

SSTDICCC0.4

Tgt Ion:	42	Resp:	4981
Ion Ratio		Lower	Upper
42	100		
74	107.7	0.0	0.0#
44	9.8	0.0	0.0#

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#4

Naphthalene-d8

Concen: 5.00 ng

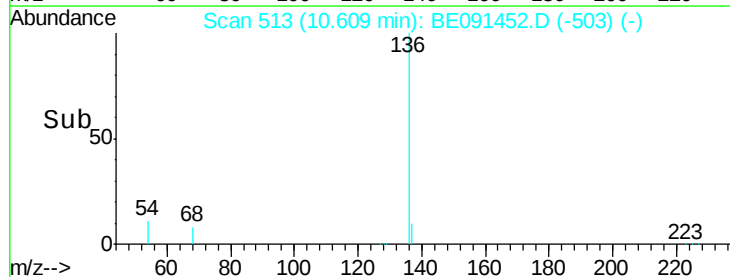
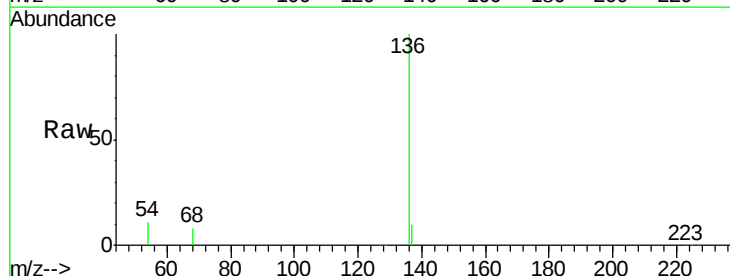
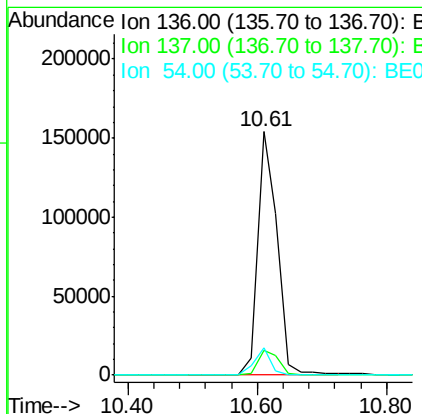
RT: 10.61 min Scan# 513

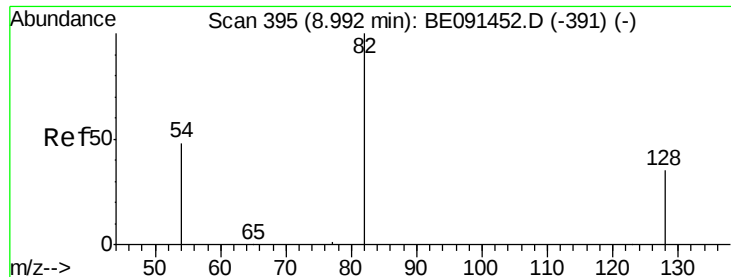
Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Tgt Ion:	136	Resp:	322491
Ion Ratio		Lower	Upper
136	100		
137	10.0	8.0	12.0
54	11.4	9.1	13.7





#5

Nitrobenzene-d5

Concen: 0.33 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

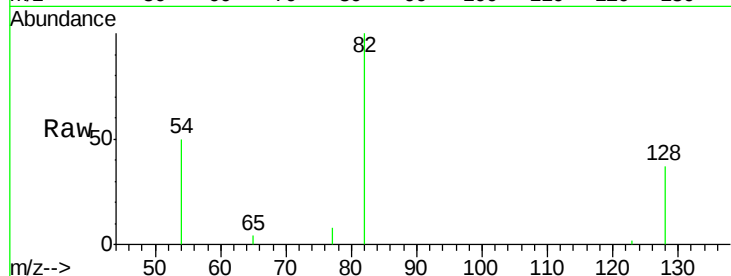
ClientSampleId :

SSTDICCC0.4

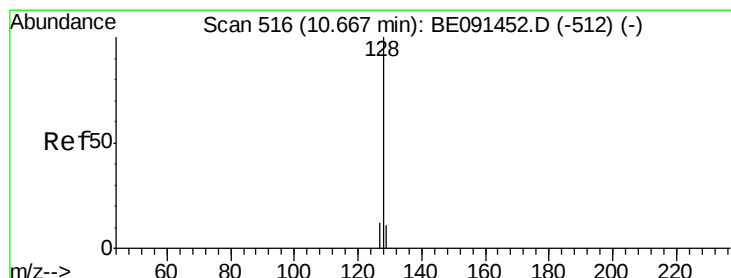
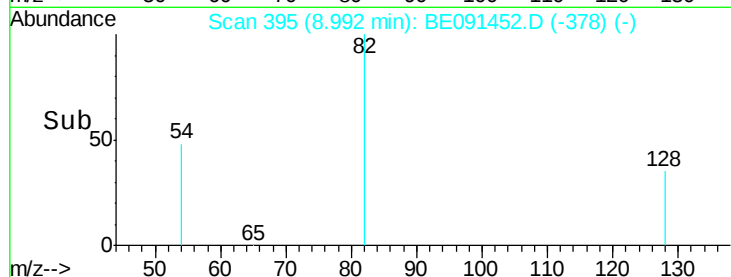
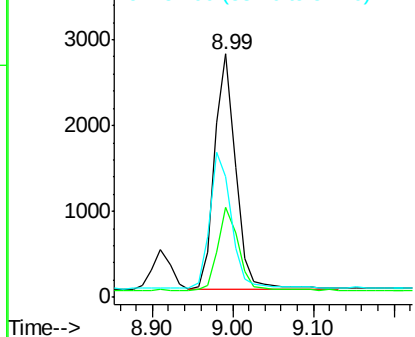
Tgt Ion:	82	Resp:	4996
Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.4	44.2
54	49.8	39.8	59.8

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.41 ng

RT: 10.67 min Scan# 516

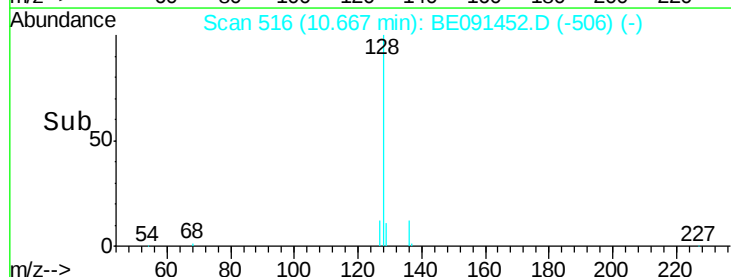
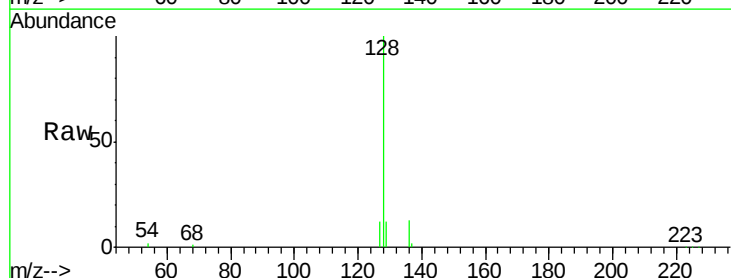
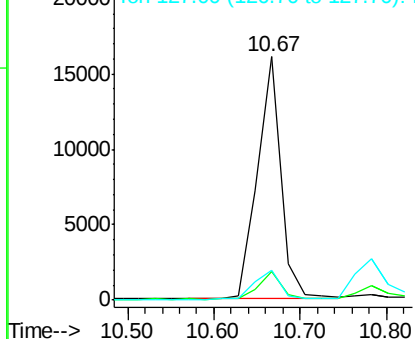
Delta R.T. 0.00 min

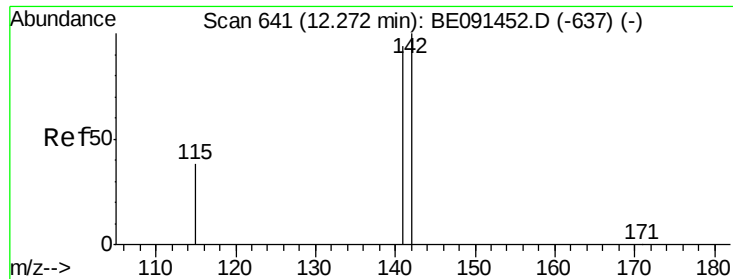
Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Tgt Ion:	128	Resp:	30360
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.0
127	12.1	9.7	14.5

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.43 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

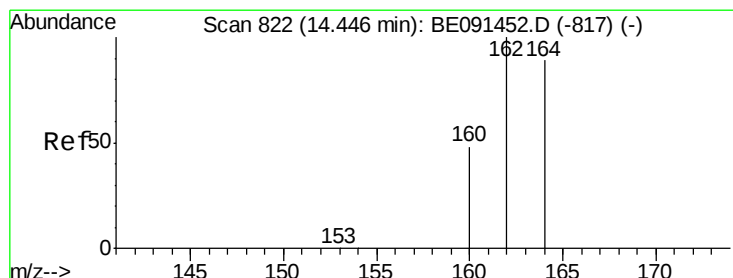
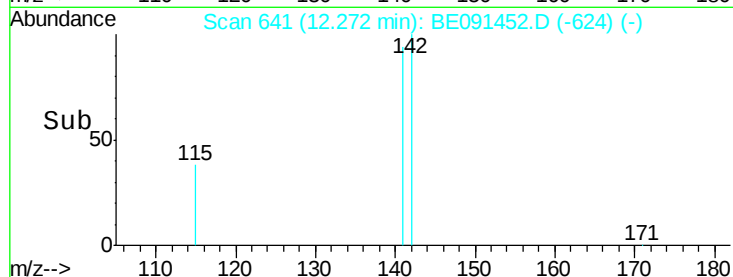
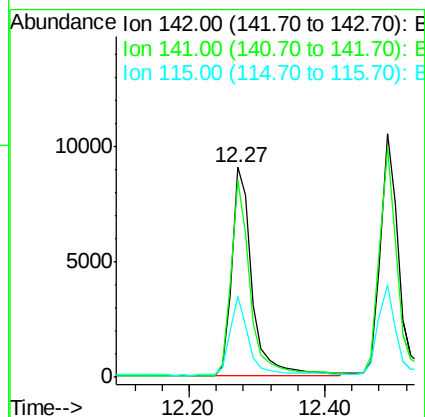
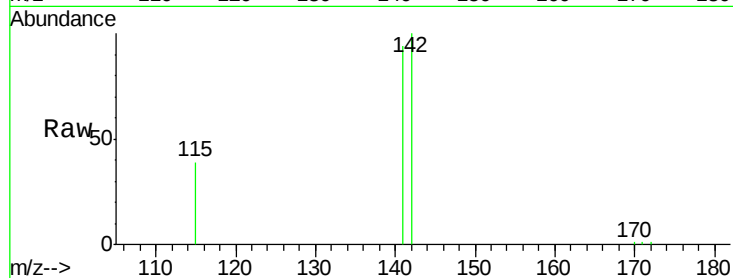
ClientSampleId :

SSTDICCC0.4

Tgt Ion:	142	Resp:	19147
Ion Ratio	Lower	Upper	
142	100		
141	93.7	75.0	112.4
115	38.5	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

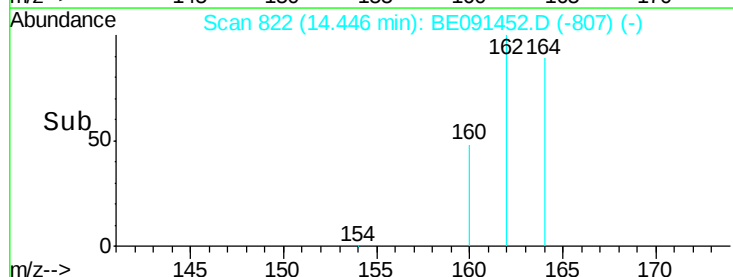
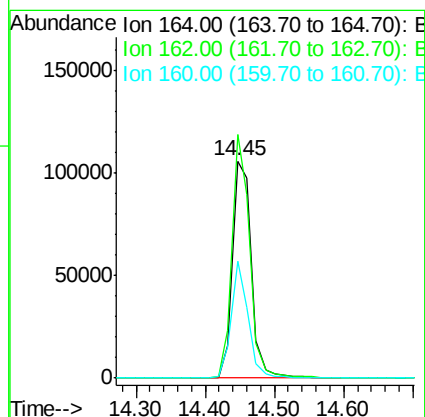
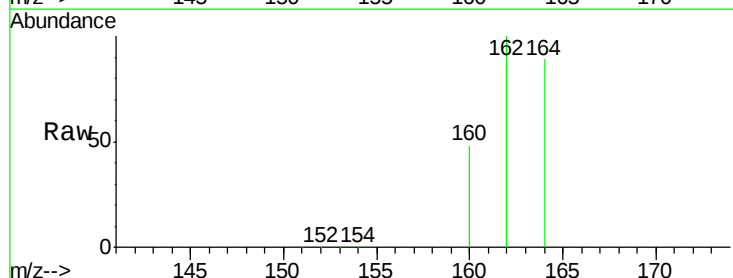
RT: 14.45 min Scan# 822

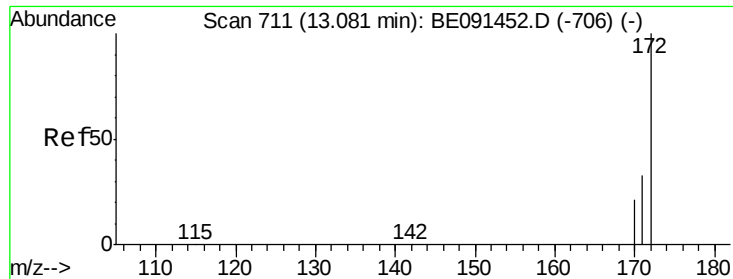
Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Tgt Ion:	164	Resp:	200086
Ion Ratio	Lower	Upper	
164	100		
162	112.3	89.8	134.8
160	53.9	43.1	64.7





#9

2-Fluorobiphenyl

Concen: 0.39 ng

RT: 13.08 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

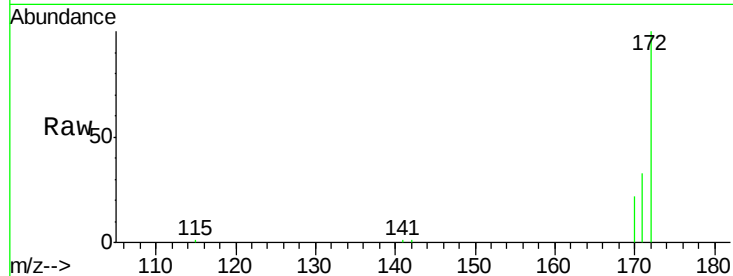
ClientSampleId :

SSTDICCC0.4

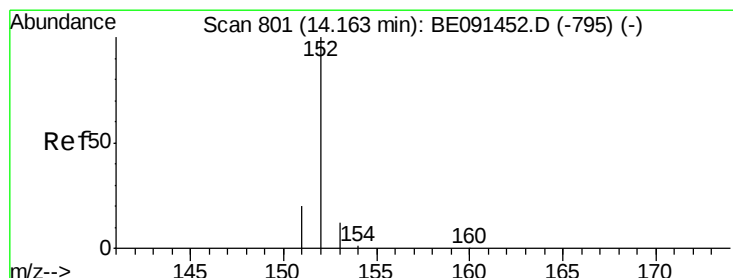
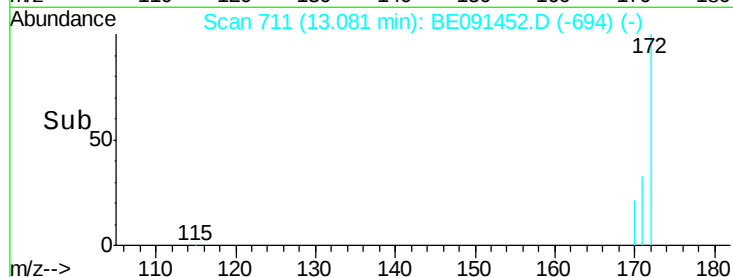
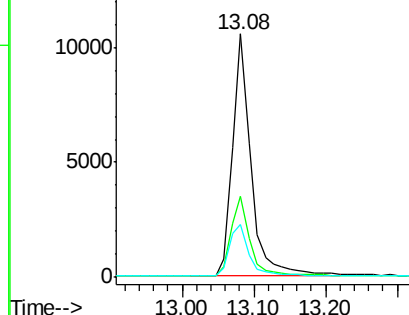
Tgt Ion:	172	Resp:	18924
Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.7	40.1
170	21.8	17.4	26.2

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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.10 ng

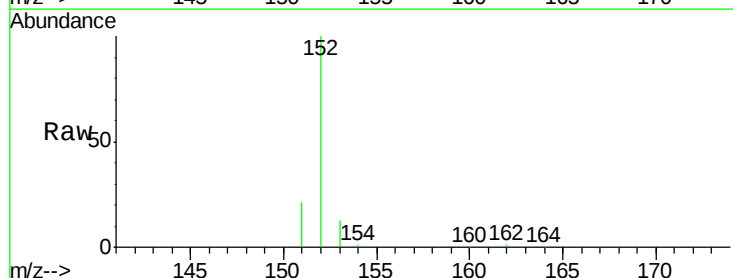
RT: 14.16 min Scan# 801

Delta R.T. 0.00 min

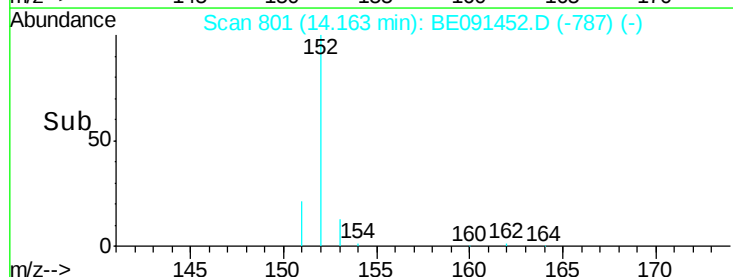
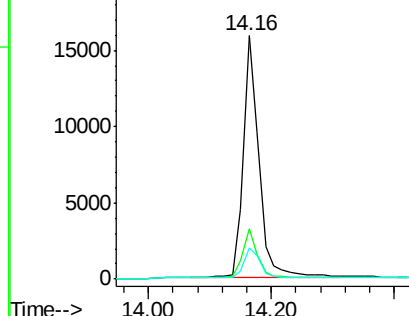
Lab File: BE091452.D

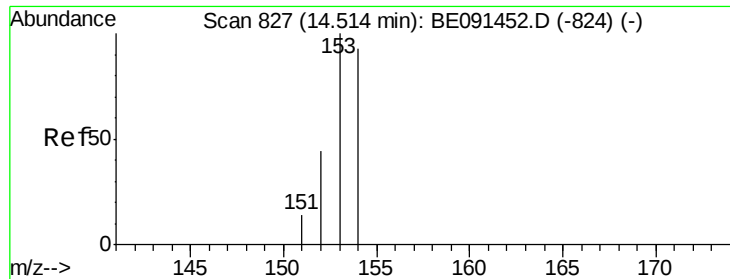
Acq: 16 Mar 2016 20:37

Tgt Ion:	152	Resp:	28520
Ion	Ratio	Lower	Upper
152	100		
151	20.5	0.0	0.0#
153	13.8	0.0	0.0#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





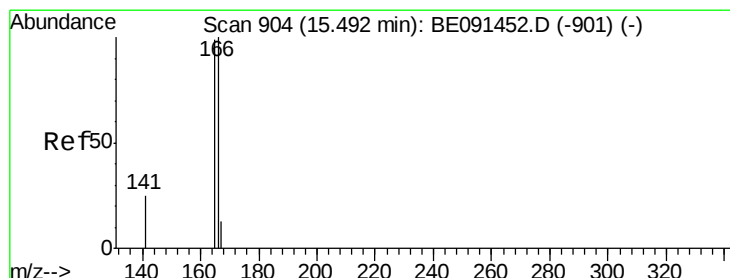
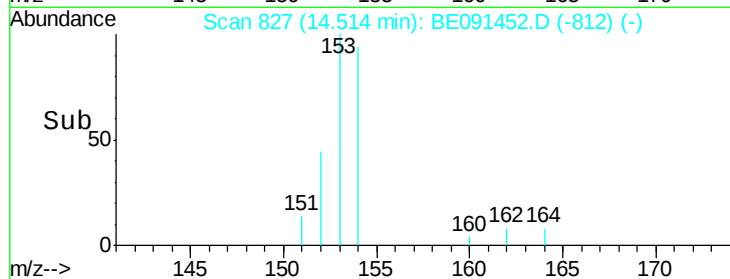
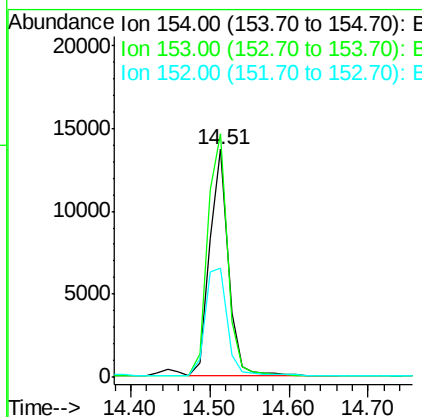
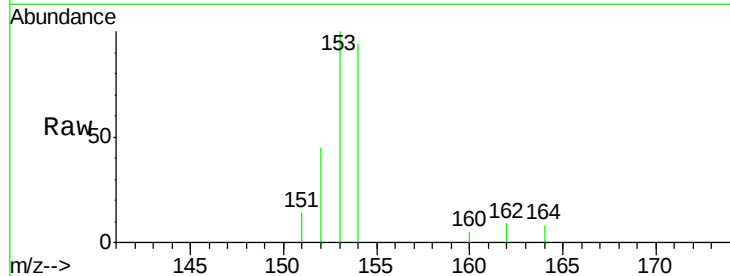
#11
Acenaphthene
Concen: 0.37 ng
RT: 14.51 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	0.0	0.0#
152	55.6	0.0	0.0#

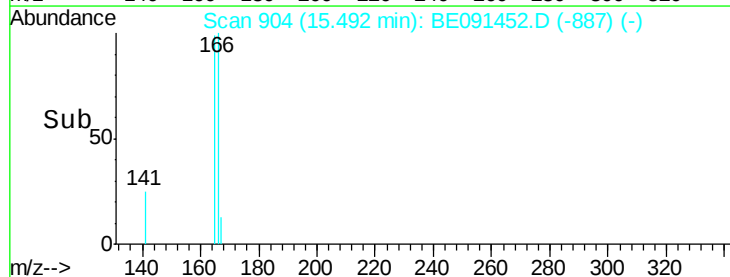
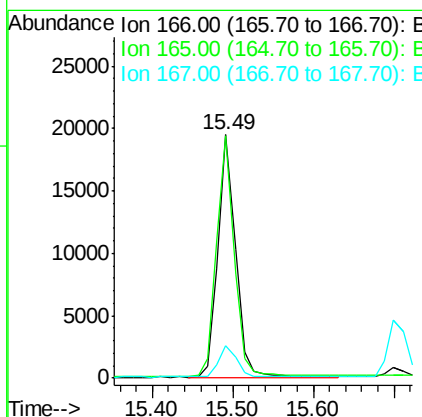
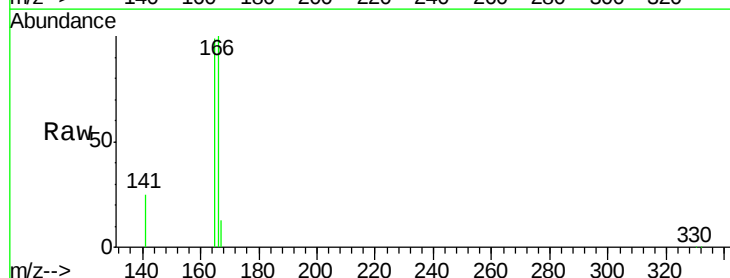
Manual Integrations
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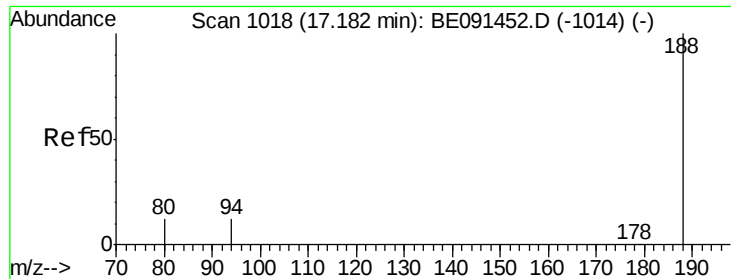
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#12
Fluorene
Concen: 0.38 ng
RT: 15.49 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	0.0	0.0#
167	13.5	0.0	0.0#





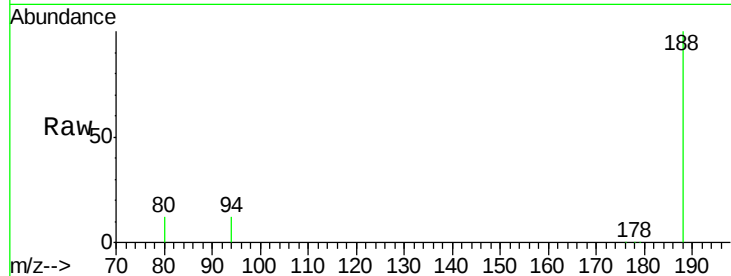
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

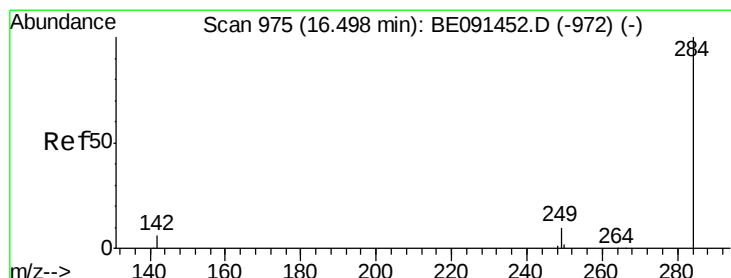
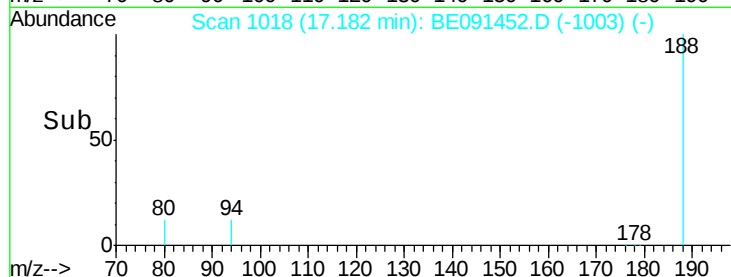
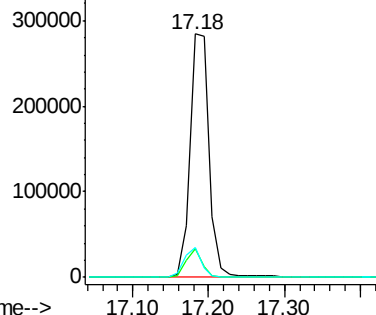
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	9.5	14.3
80	12.3	9.8	14.8

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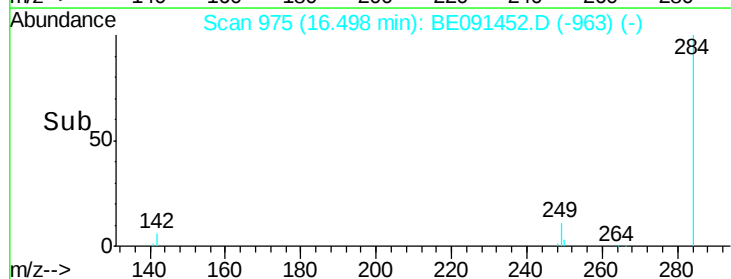
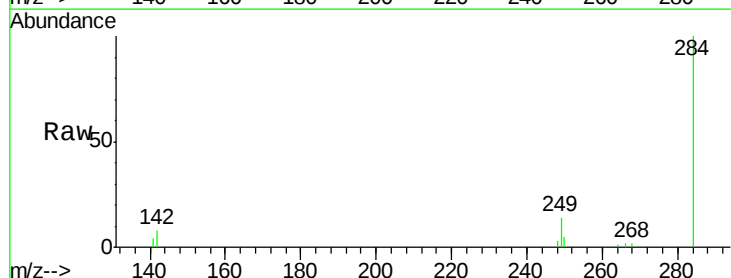
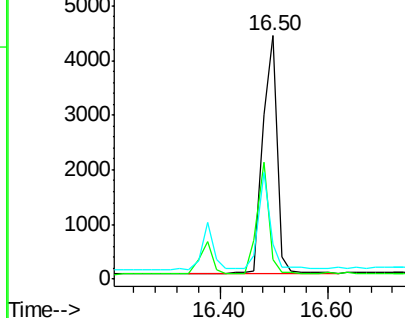
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE
Ion 80.00 (79.70 to 80.70): BE

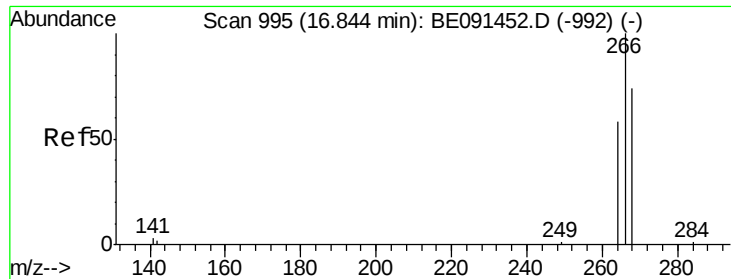


#14
Hexachlorobenzene
Concen: 0.28 ng
RT: 16.50 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	37.6	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: 0.48 ng

RT: 16.84 min Scan# 995

Delta R.T. 0.00 min

Lab File: BE091452.D

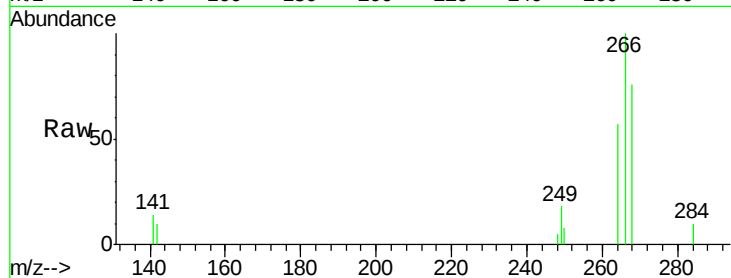
Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

ClientSampleId :

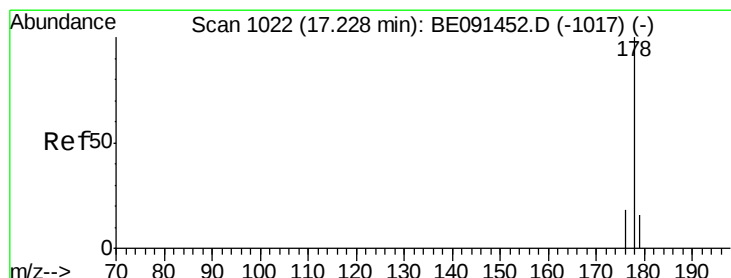
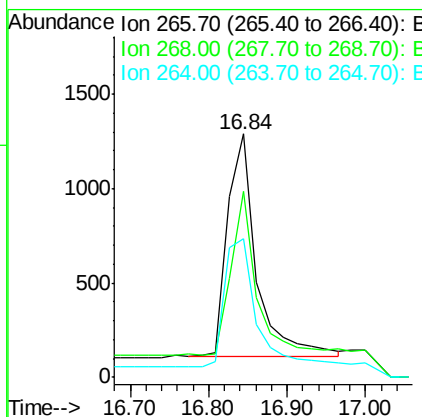
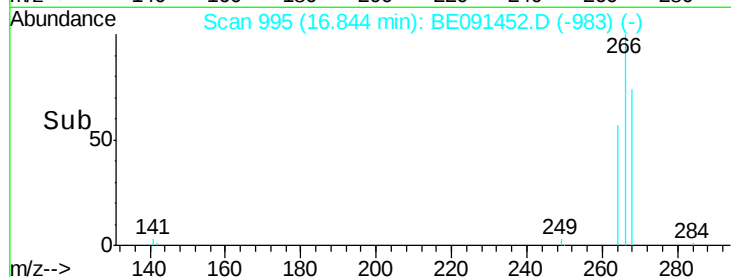
SSTDICCC0.4



Tgt Ion:	266	Resp:	3012
Ion Ratio	Lower	Upper	
266	100		
268	76.3	61.0	91.6
264	57.1	45.7	68.5

Manual Integrations
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#16

Phenanthrene

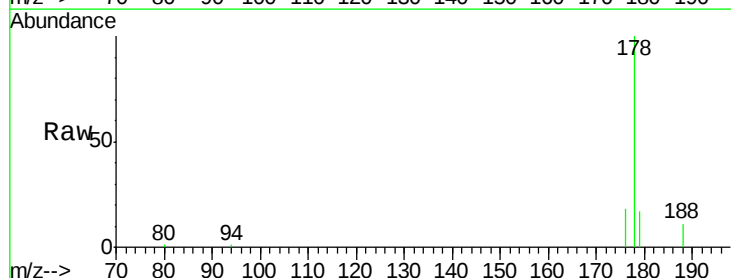
Concen: 0.31 ng

RT: 17.23 min Scan# 1022

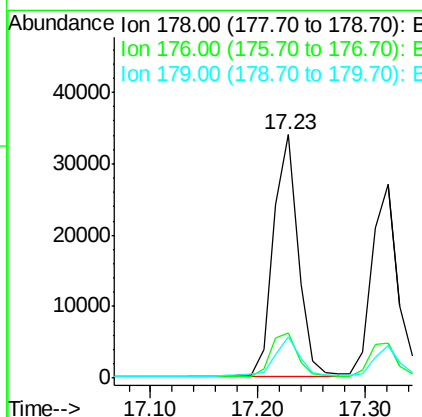
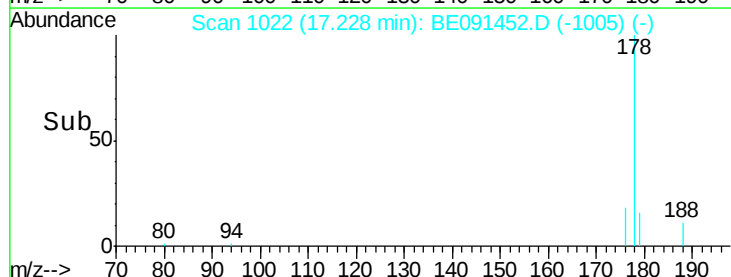
Delta R.T. 0.00 min

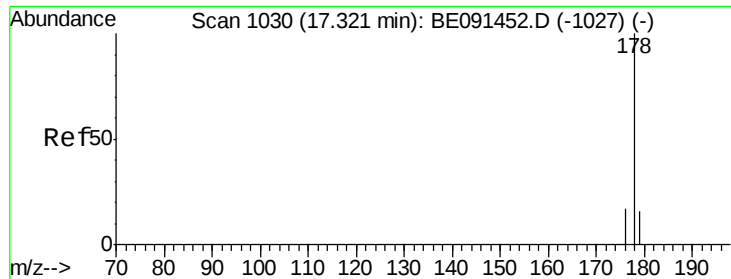
Lab File: BE091452.D

Acq: 16 Mar 2016 20:37



Tgt Ion:	178	Resp:	54222
Ion Ratio	Lower	Upper	
178	100		
176	19.4	0.0	0.0#
179	16.4	0.0	0.0#





#17

Anthracene

Concen: 0.19 ng

RT: 17.32 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tgt Ion:178 Resp: 46305

Ion Ratio Lower Upper

178 100

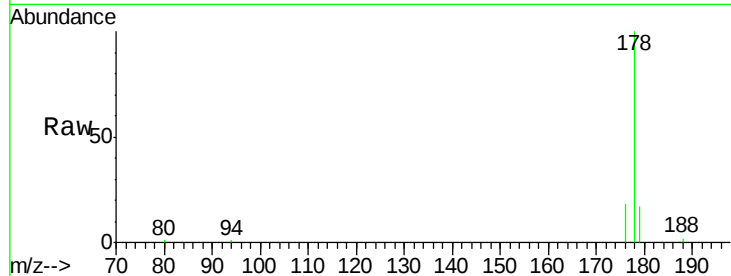
176 18.5 0.0 0.0#

179 15.0 0.0 0.0#

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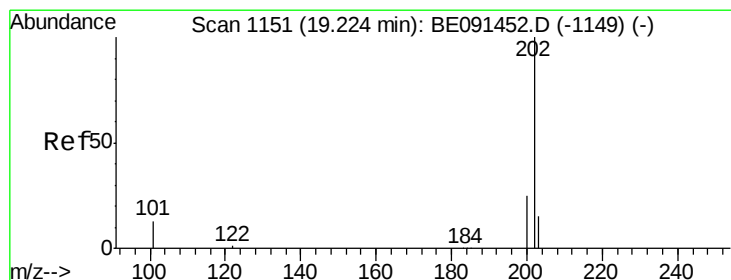
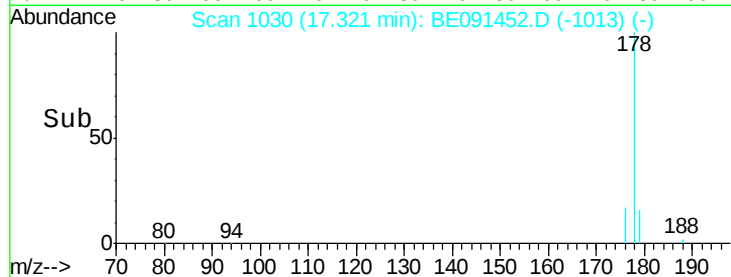
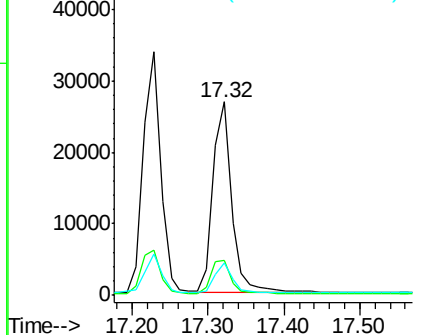
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 0.24 ng

RT: 19.22 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

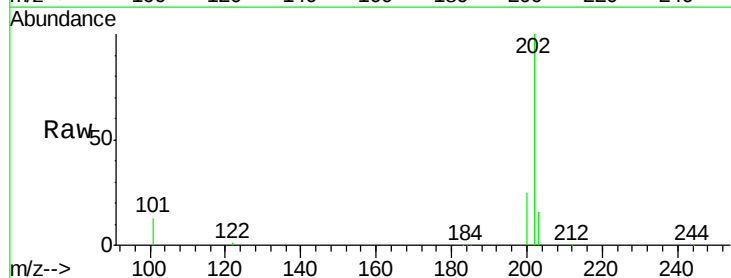
Tgt Ion:202 Resp: 61197

Ion Ratio Lower Upper

202 100

101 11.0 1.1 1.7#

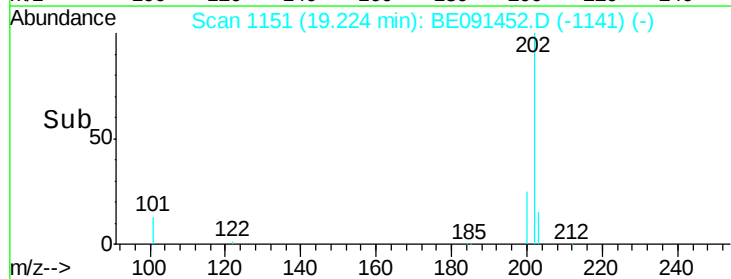
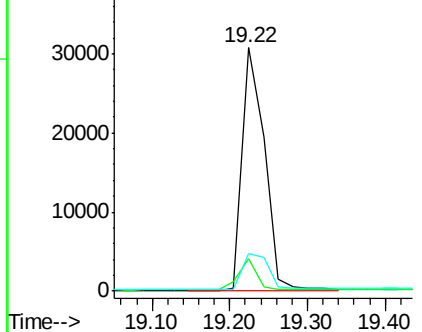
203 17.7 1.0 1.6#

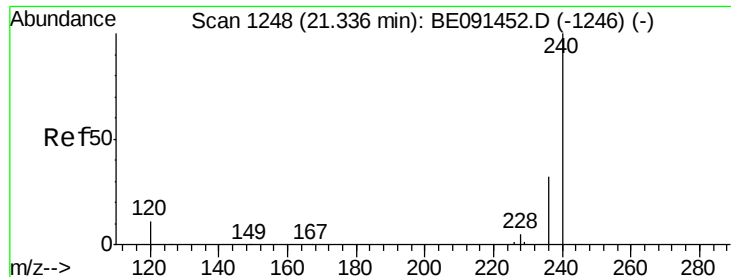


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





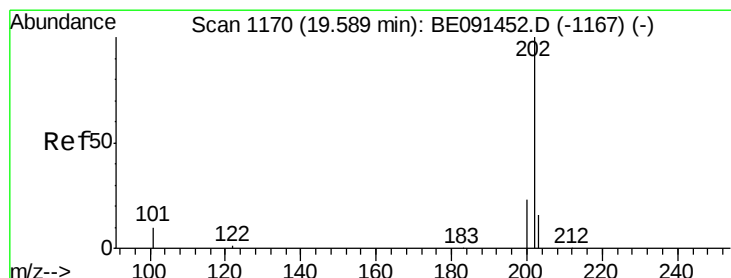
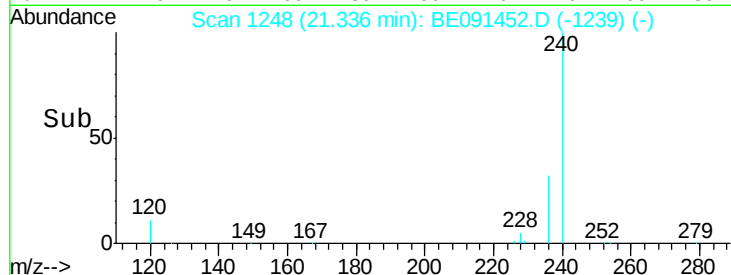
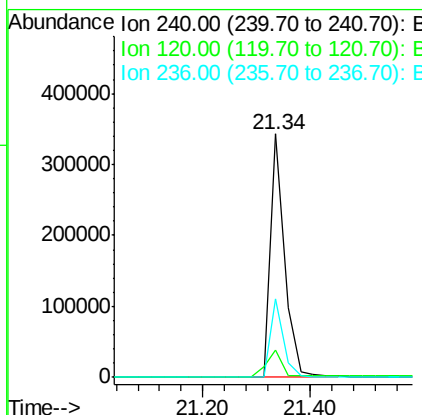
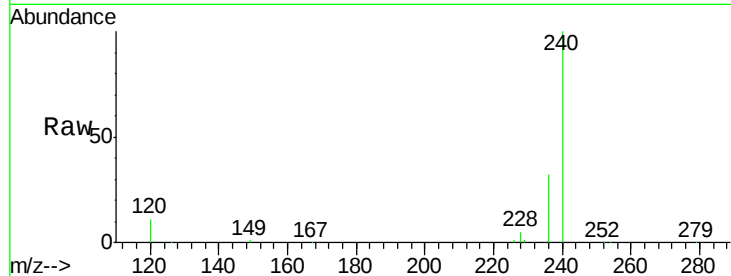
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.8	13.2
236	32.1	25.7	38.5

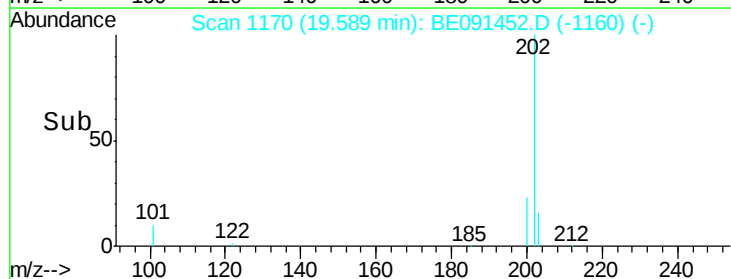
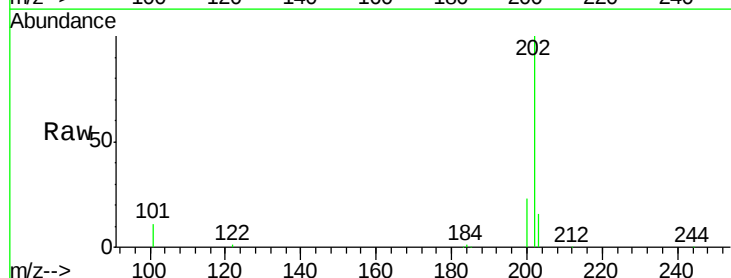
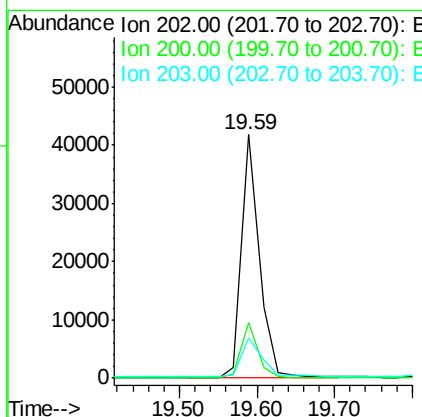
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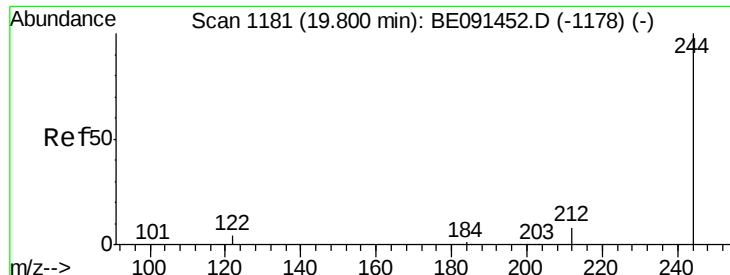
Sohil
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#20
Pyrene
Concen: 0.37 ng
RT: 19.59 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	0.0	0.0#
203	17.9	0.1	0.1#





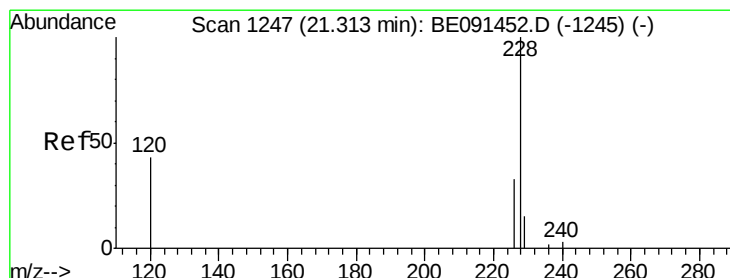
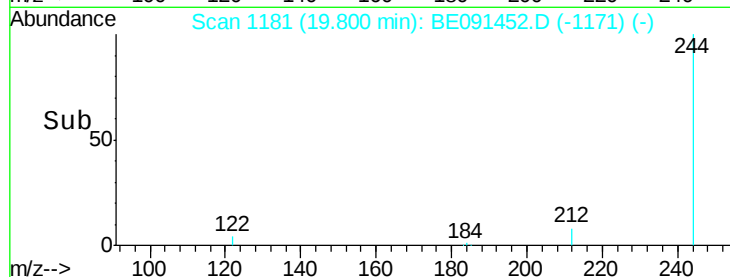
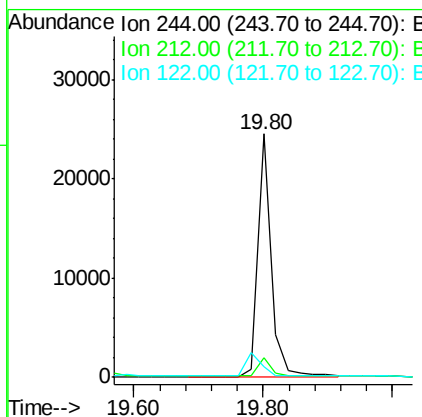
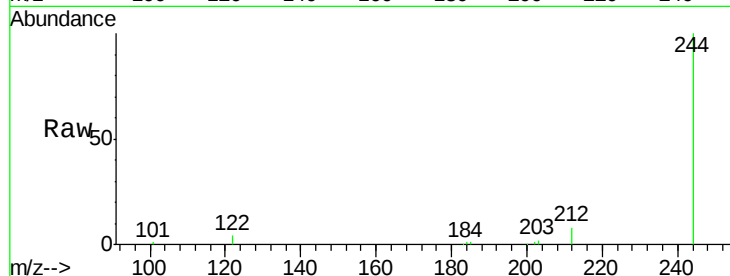
#21
 Terphenyl-d14
 Concen: 0.37 ng
 RT: 19.80 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BE091452.D
 Acq: 16 Mar 2016 20:37

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	35819		
212	8.3	6.6	10.0	
122	4.2	3.4	5.0	

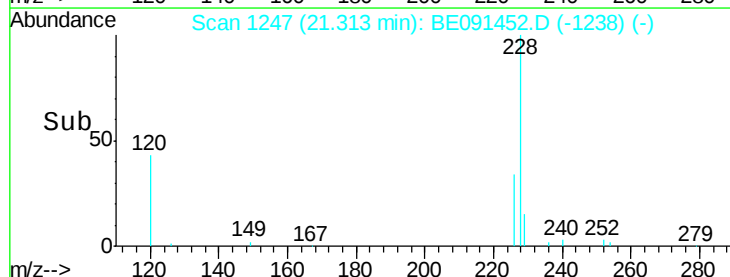
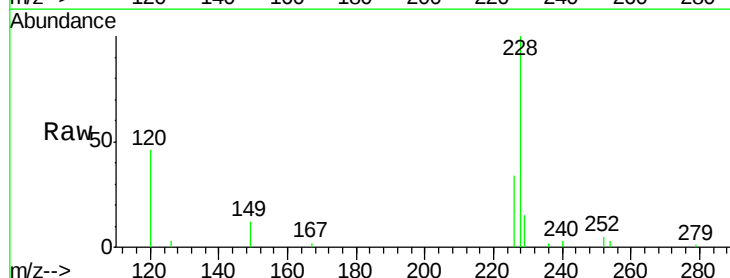
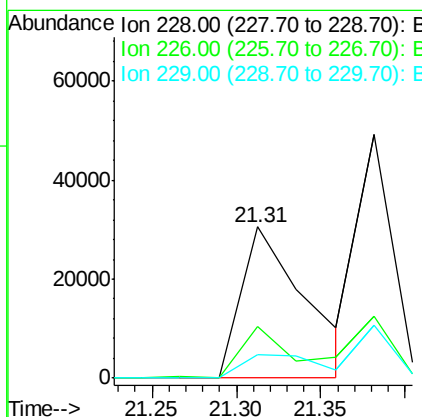
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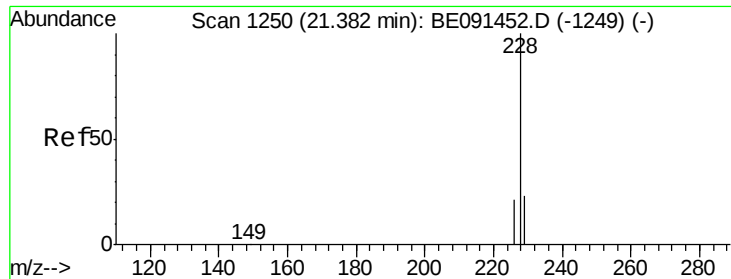
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#22
 Benzo(a)anthracene
 Concen: 0.37 ng m
 RT: 21.31 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BE091452.D
 Acq: 16 Mar 2016 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	81207		
226	33.9	27.1	40.7	
229	15.4	12.3	18.5	





#23

Chrysene

Concen: 0.34 ng m

RT: 21.38 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

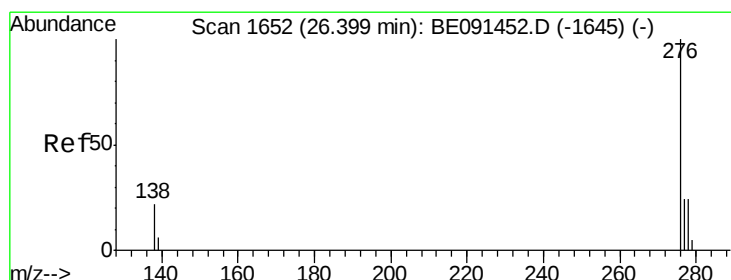
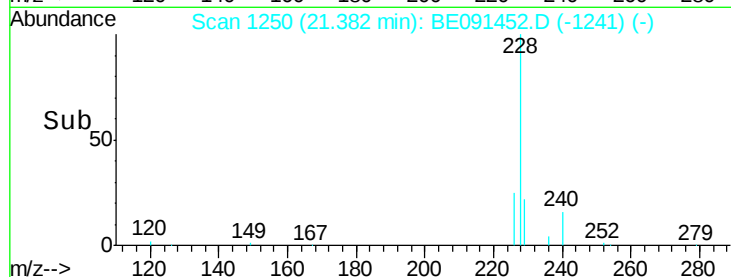
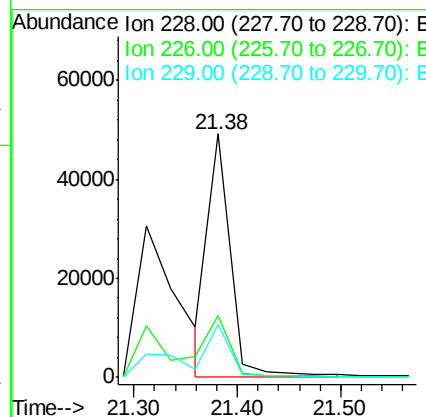
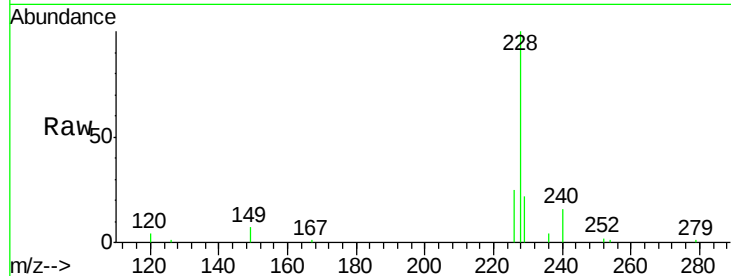
ClientSampleId :

SSTDICCC0.4

Tgt Ion:	228	Resp:	75990
Ion Ratio	Lower	Upper	
228	100		
226	25.4	20.3	30.5
229	21.7	17.4	26.0

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng

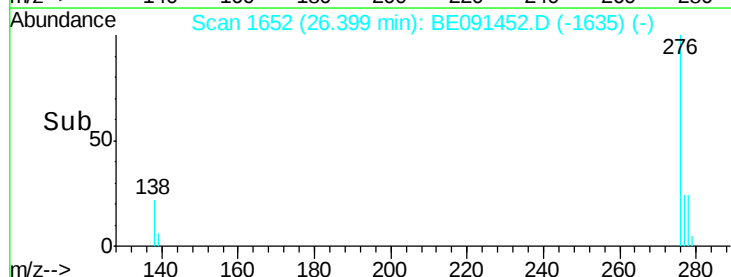
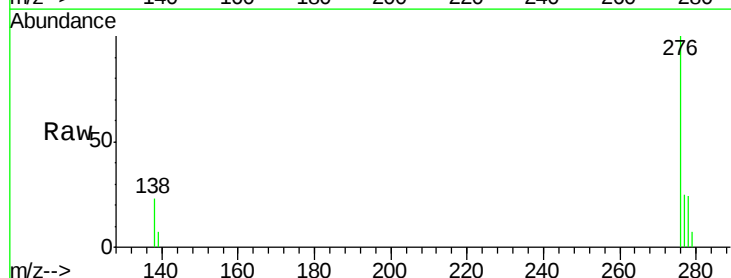
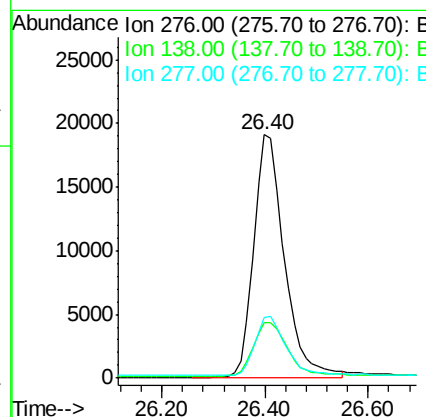
RT: 26.40 min Scan# 1652

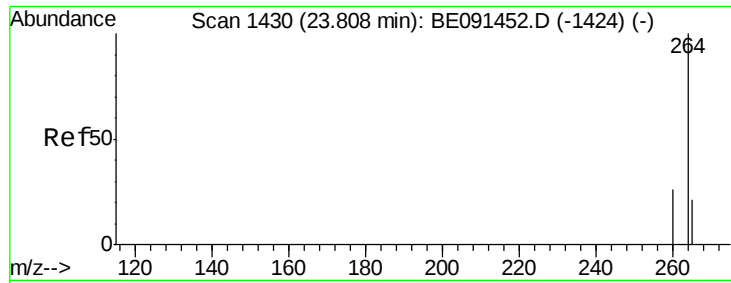
Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Tgt Ion:	276	Resp:	78212
Ion Ratio	Lower	Upper	
276	100		
138	24.7	0.0	0.0#
277	25.0	0.0	0.0#





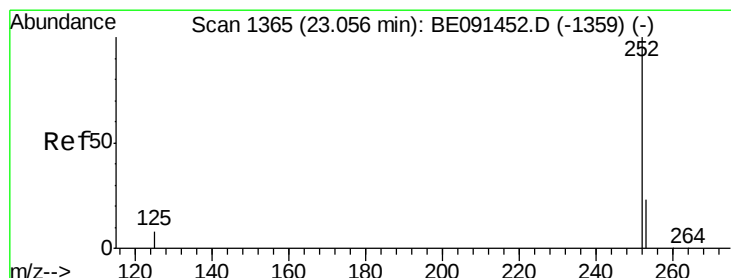
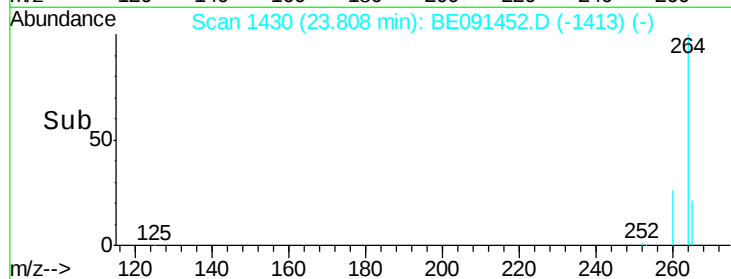
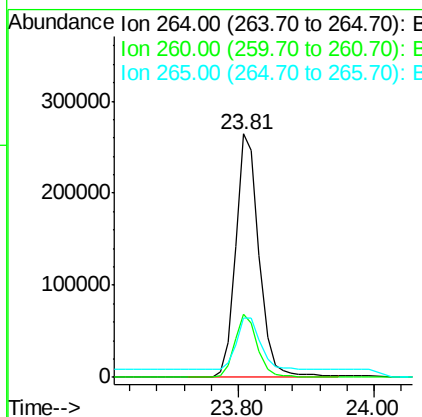
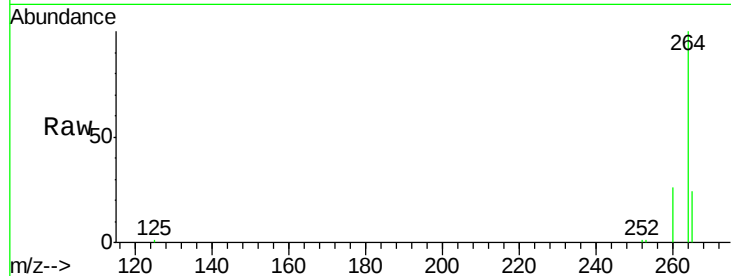
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.81 min Scan# 1430
 Delta R.T. 0.00 min
 Lab File: BE091452.D
 Acq: 16 Mar 2016 20:37

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.7	31.1
265	24.3	19.4	29.2

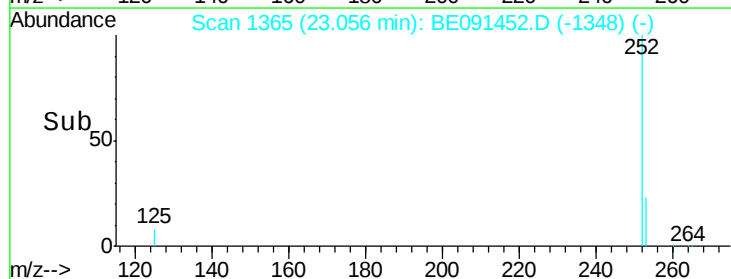
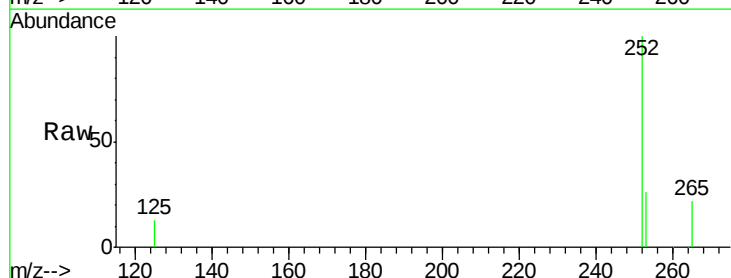
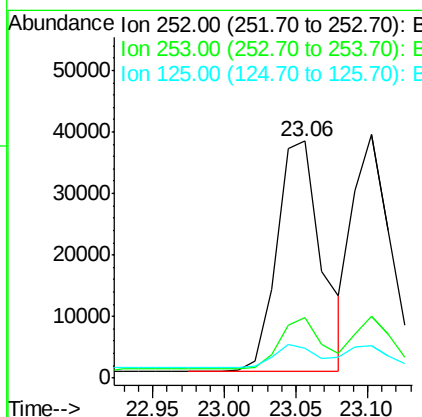
Manual Integrations
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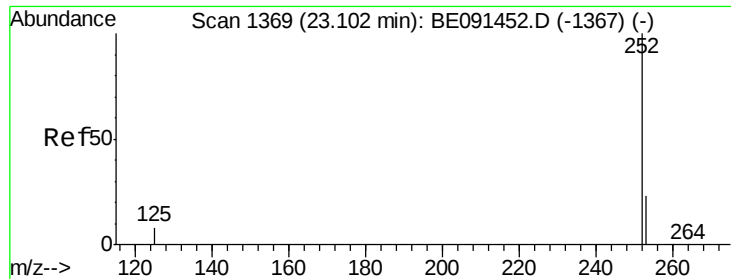
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#26
 Benzo(b)fluoranthene
 Concen: 0.44 ng
 RT: 23.06 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: BE091452.D
 Acq: 16 Mar 2016 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.6	30.8
125	12.8	10.2	15.4





#27

Benzo(k)fluoranthene

Concen: 0.43 ng

RT: 23.10 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Instrument :

BNA_E

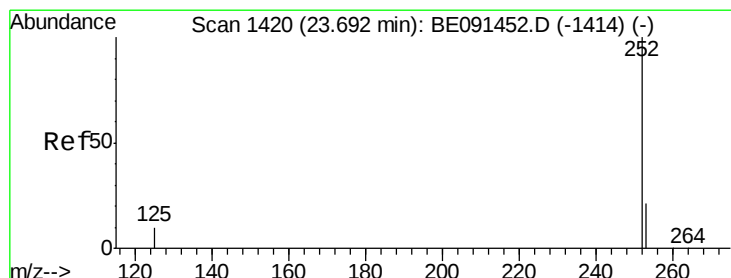
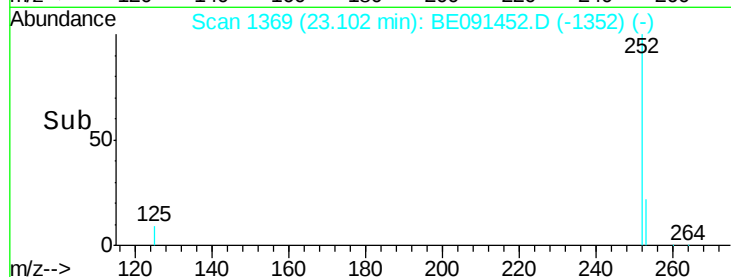
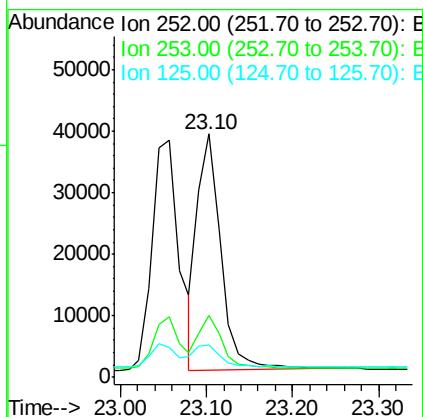
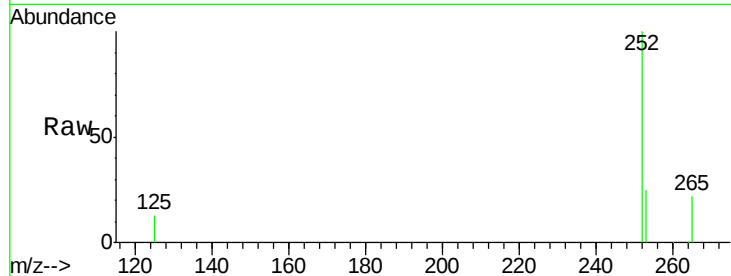
ClientSampled :

SSTDICCC0.4

Tgt Ion:	252	Resp:	72750
Ion Ratio	Lower	Upper	
252	100		
253	25.2	20.2	30.2
125	13.3	10.6	16.0

Manual Integrations
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#28

Benzo(a)pyrene

Concen: 0.43 ng

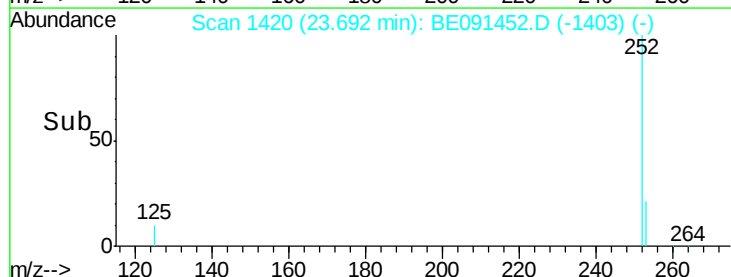
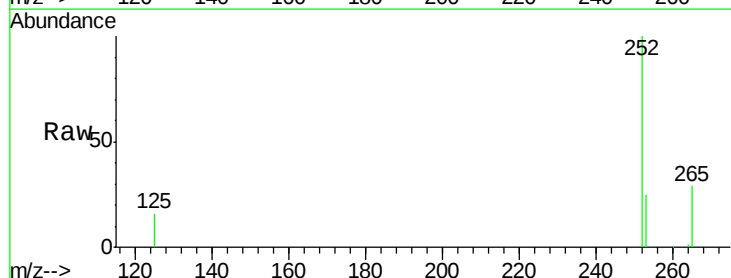
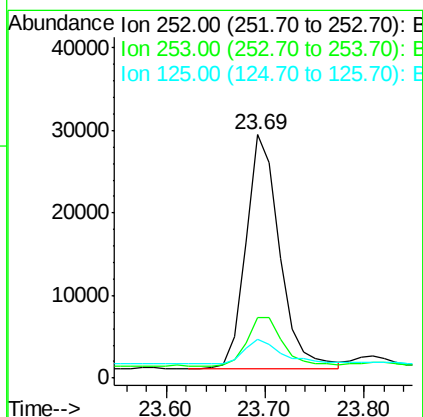
RT: 23.69 min Scan# 1420

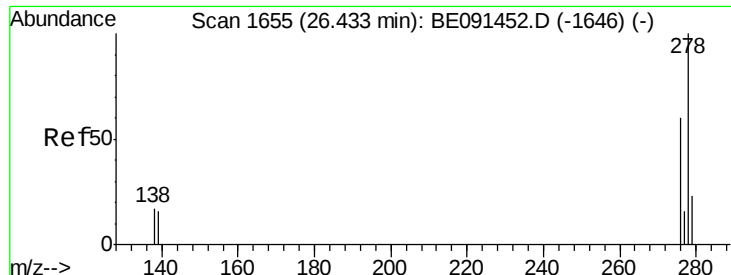
Delta R.T. 0.00 min

Lab File: BE091452.D

Acq: 16 Mar 2016 20:37

Tgt Ion:	252	Resp:	66367
Ion Ratio	Lower	Upper	
252	100		
253	25.0	20.0	30.0
125	15.9	12.7	19.1





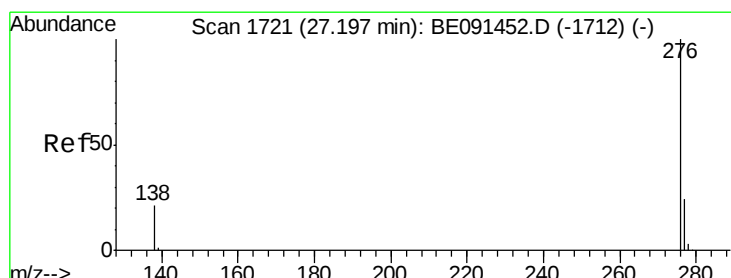
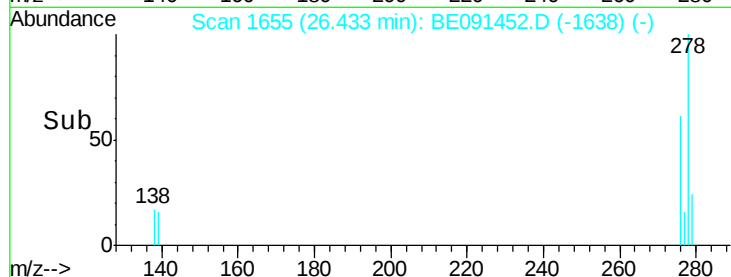
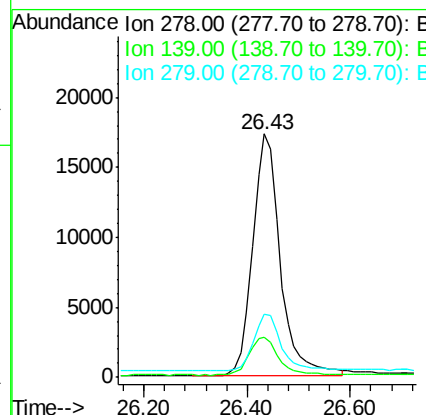
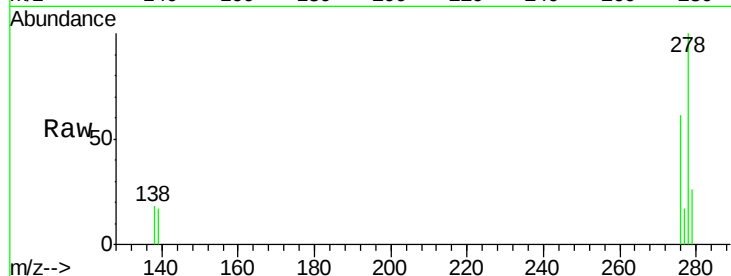
#29
Dibenzo(a,h)anthracene
Concen: 0.43 ng
RT: 26.43 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.3	19.9
279	26.1	20.9	31.3

Manual Integrations
APPROVED

Sohil
3/17/2016 5:22:15 PM



#30
Benzo(g,h,i)perylene
Concen: 0.43 ng
RT: 27.20 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BE091452.D
Acq: 16 Mar 2016 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	22.0	17.6	26.4

