

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091451.D
 Acq On : 16 Mar 2016 20:01
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
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Quant Time: Mar 17 07:14:21 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	68327	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	302976	5.00	ng	0.00
8) Acenaphthene-d10	14.46	164	183462	5.00	ng	0.01
13) Phenanthrene-d10	17.18	188	478037	5.00	ng	0.00
19) Chrysene-d12	21.34	240	612717	5.00	ng	0.00
25) Perylene-d12	23.81	264	582068	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	2319	0.16	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	8665	0.19	ng	0.00
21) Terphenyl-d14	19.80	244	16641	0.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	1854	0.29	ng	# 100
3) n-Nitrosodimethylamine	3.68	42	2237	0.31	ng	# 100
6) Naphthalene	10.67	128	14094	0.20	ng	99
7) 2-Methylnaphthalene	12.27	142	8790	0.21	ng	97
10) Acenaphthylene	14.16	152	13462	0.05	ng	# 100
11) Acenaphthene	14.51	154	10329	0.19	ng	# 100
12) Fluorene	15.49	166	13772	0.19	ng	# 100
14) Hexachlorobenzene	16.50	284	3875	0.14	ng	# 100
15) Pentachlorophenol	16.84	266	1285	0.21	ng	97
16) Phenanthrene	17.23	178	25769	0.16	ng	# 100
17) Anthracene	17.32	178	20886	0.09	ng	# 100
18) Fluoranthene	19.22	202	28918	0.12	ng	# 65
20) Pyrene	19.59	202	30763	0.18	ng	# 92
22) Benzo(a)anthracene	21.31	228	40892m	0.19	ng	
23) Chrysene	21.38	228	37681m	0.17	ng	
24) Indeno(1,2,3-cd)pyrene	26.41	276	36191	0.19	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	41545	0.24	ng	# 94
27) Benzo(k)fluoranthene	23.10	252	34914	0.22	ng	# 91
28) Benzo(a)pyrene	23.69	252	31744	0.22	ng	# 89
29) Dibenzo(a,h)anthracene	26.43	278	29436	0.21	ng	93
30) Benzo(g,h,i)perylene	27.20	276	32413	0.22	ng	97

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

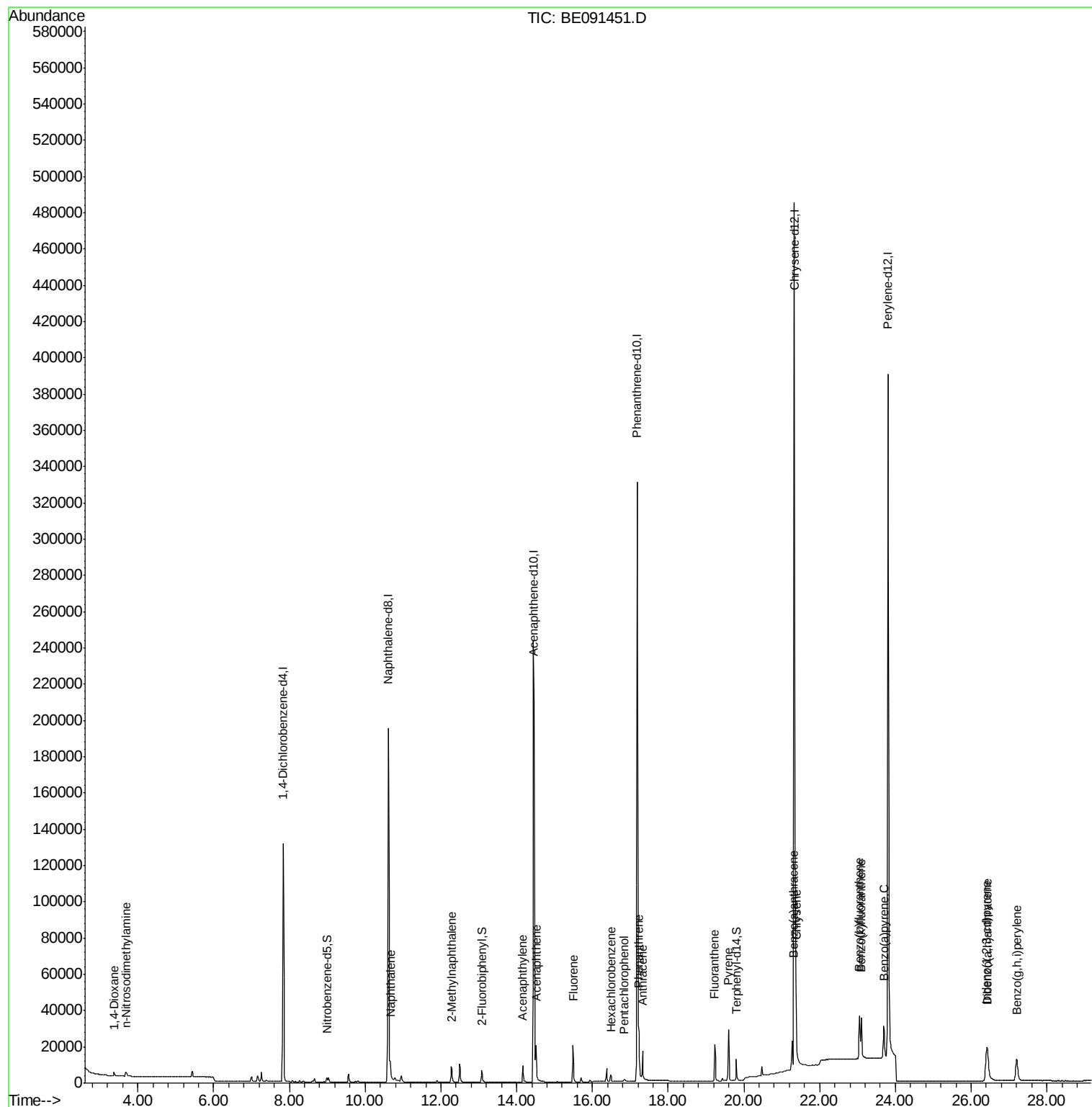
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
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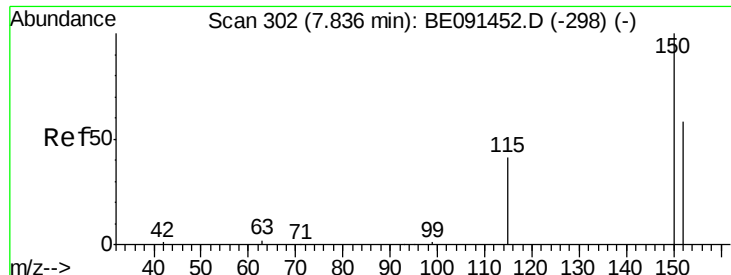
Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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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: BE091451.D

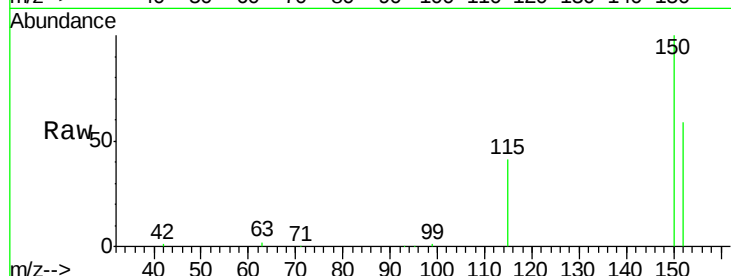
Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

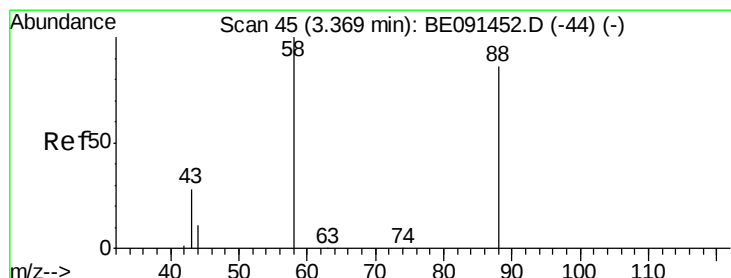
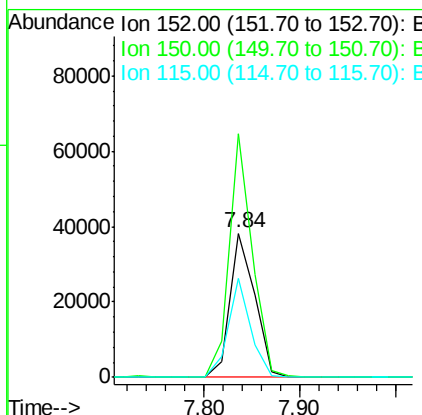
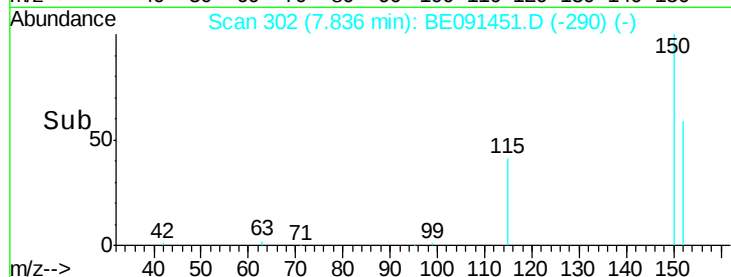
SSTDIC0.2



Tgt Ion:	152	Resp:	68327
Ion Ratio	Lower	Upper	
152	100		
150	168.7	136.8	205.2
115	68.8	56.9	85.3

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#2

1,4-Dioxane

Concen: 0.29 ng

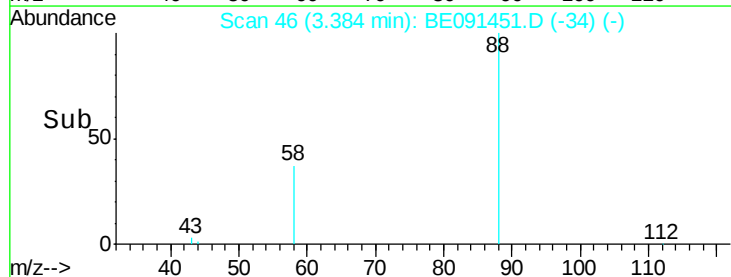
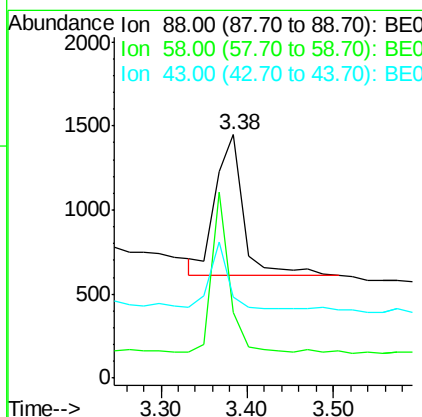
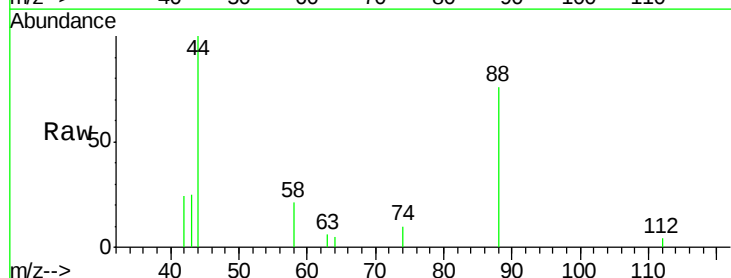
RT: 3.38 min Scan# 46

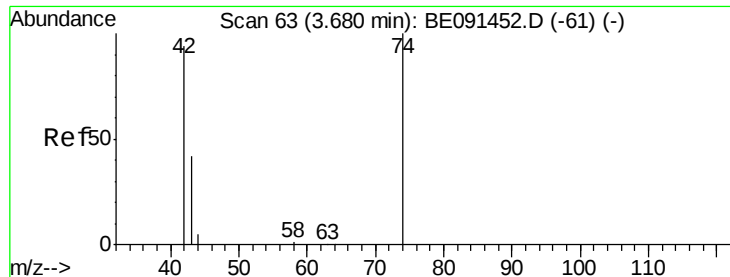
Delta R.T. 0.02 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Tgt Ion:	88	Resp:	1854
Ion Ratio	Lower	Upper	
88	100		
58	71.9	0.0	0.0#
43	30.3	0.0	0.0#





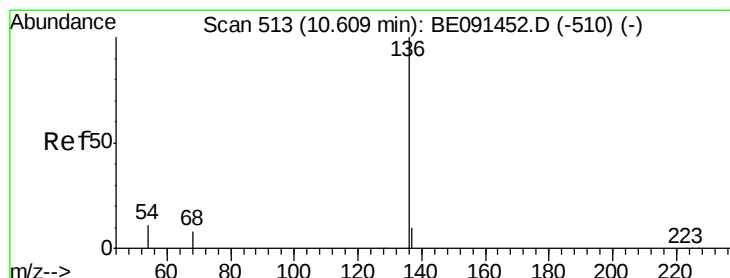
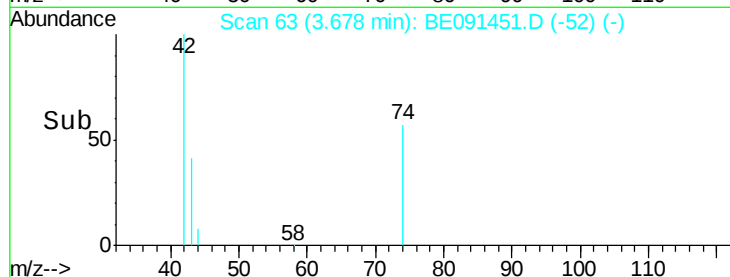
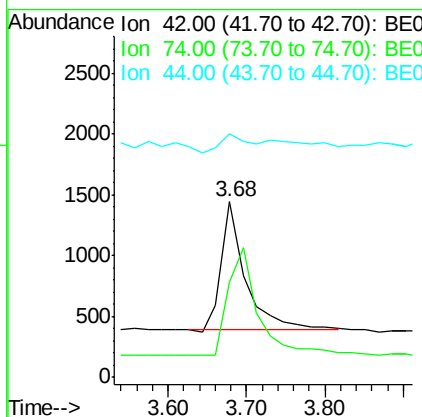
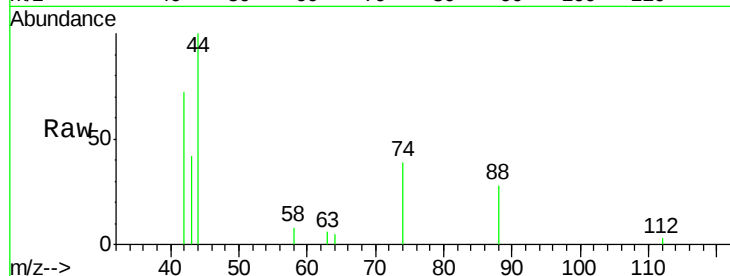
#3
 n-Nitrosodimethylamine
 Concen: 0.31 ng
 RT: 3.68 min Scan# 63
 Delta R.T. -0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
42	100		
74	105.3	0.0	0.0#
44	16.5	0.0	0.0#

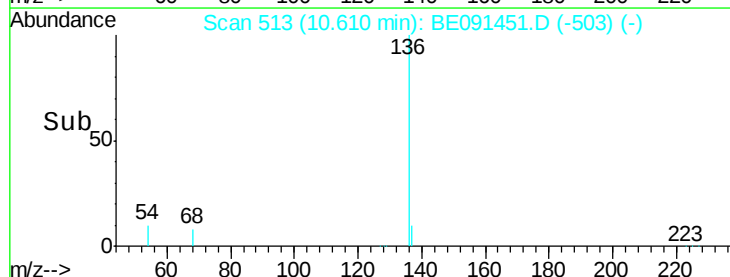
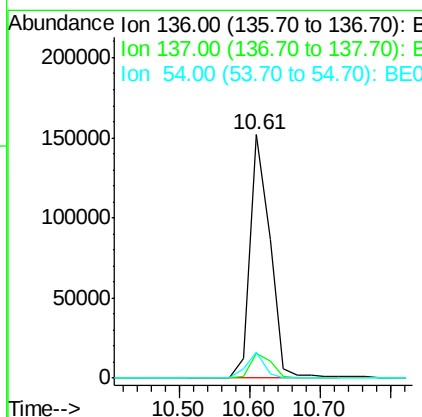
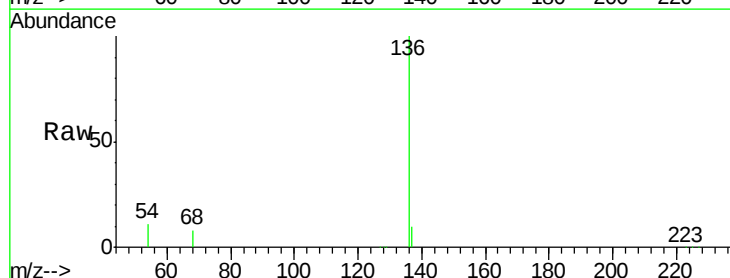
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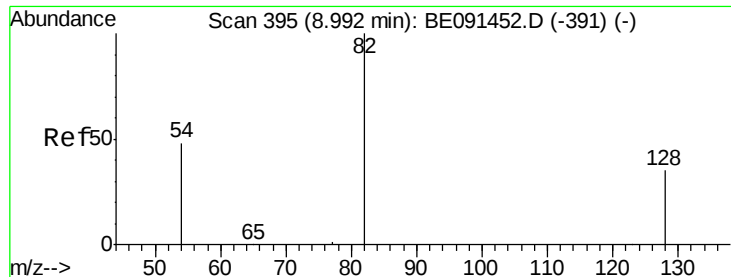
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#4
 Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.61 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.0	12.0
54	10.5	9.1	13.7





#5

Nitrobenzene-d5

Concen: 0.16 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

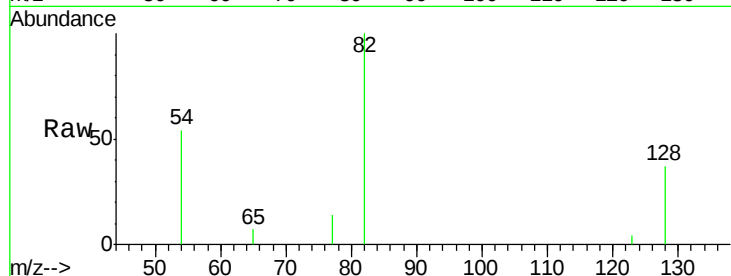
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SSTDIC0.2

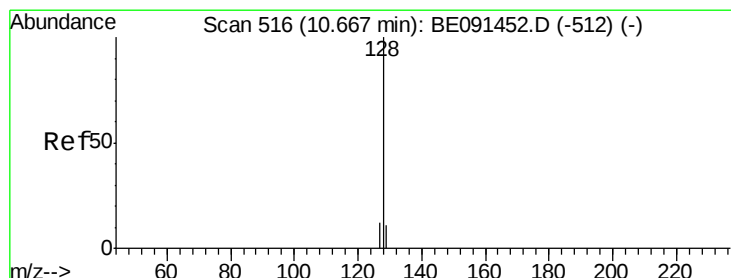
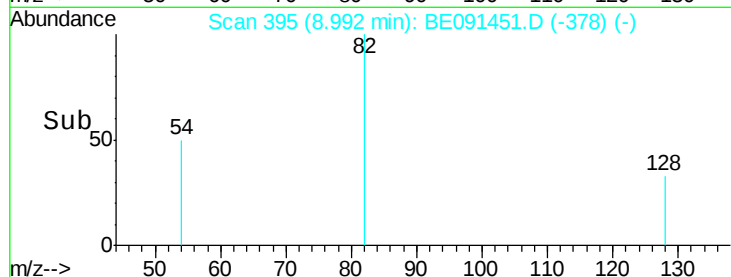
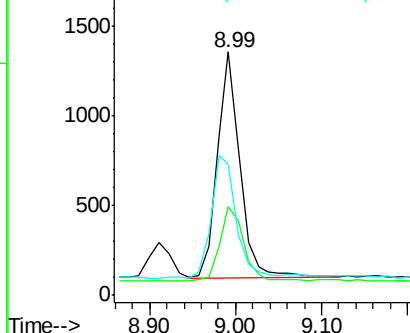
Tgt Ion:	82	Resp:	2319
Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.4	44.2
54	53.6	39.8	59.8

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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: 0.20 ng

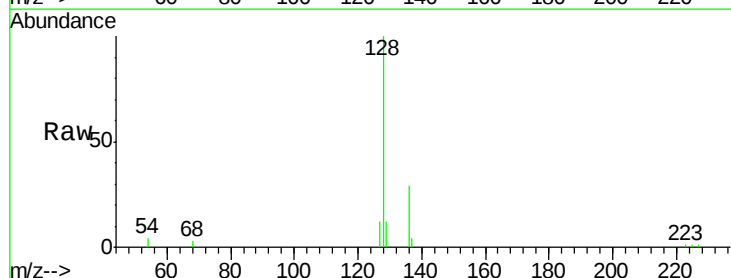
RT: 10.67 min Scan# 516

Delta R.T. 0.00 min

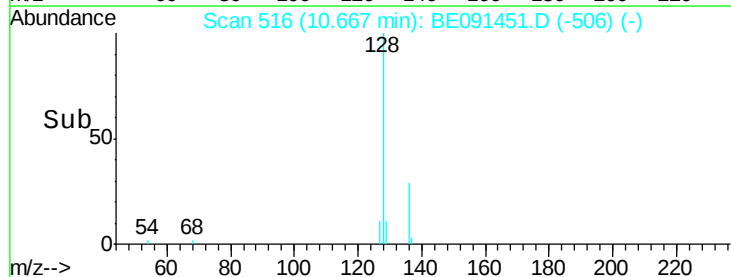
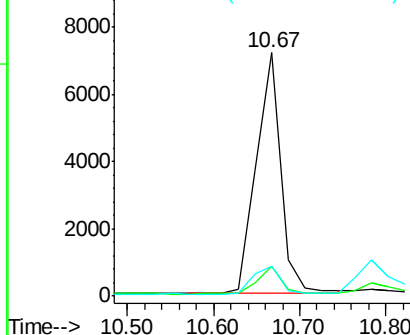
Lab File: BE091451.D

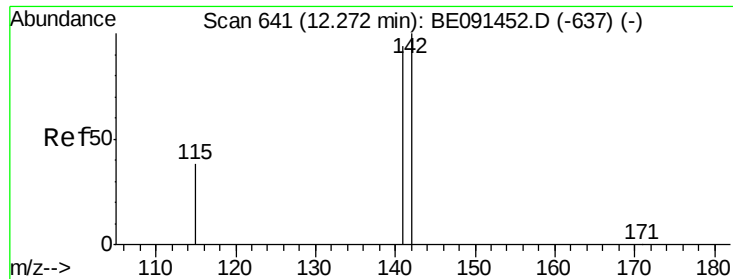
Acq: 16 Mar 2016 20:01

Tgt Ion:	128	Resp:	14094
Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.4	14.0
127	12.3	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: 0.21 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

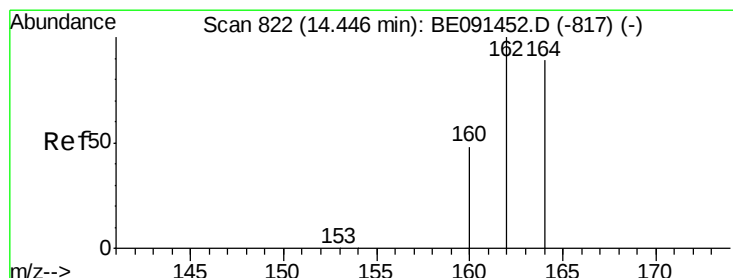
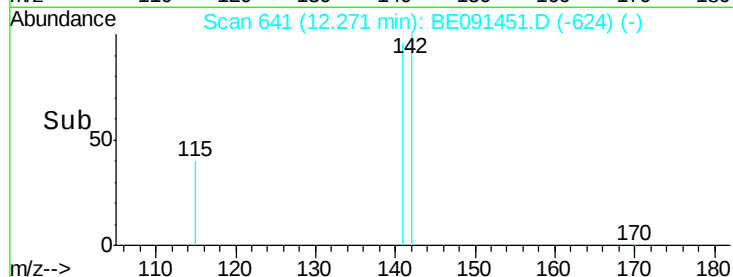
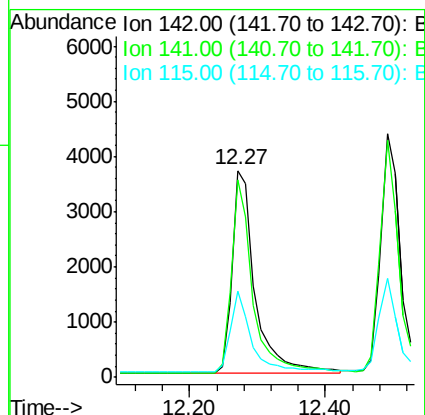
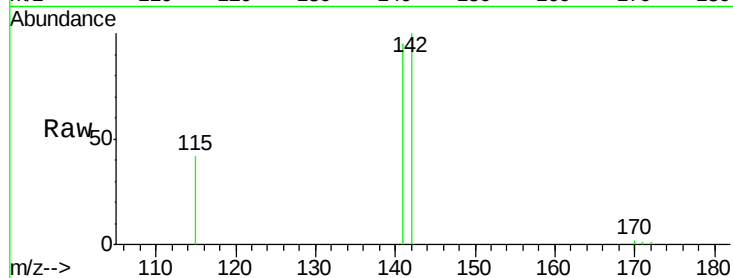
ClientSampleId :

SSTDICC0.2

Tgt Ion:	142	Resp:	8790
Ion Ratio	Lower	Upper	
142	100		
141	95.4	75.0	112.4
115	41.9	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

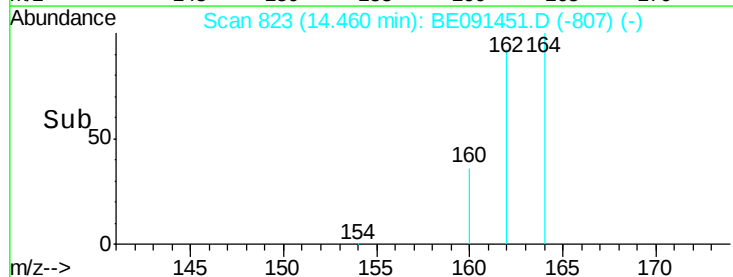
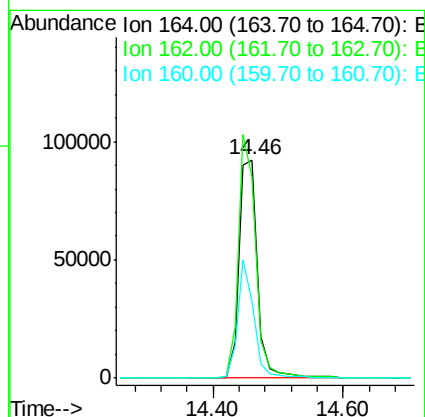
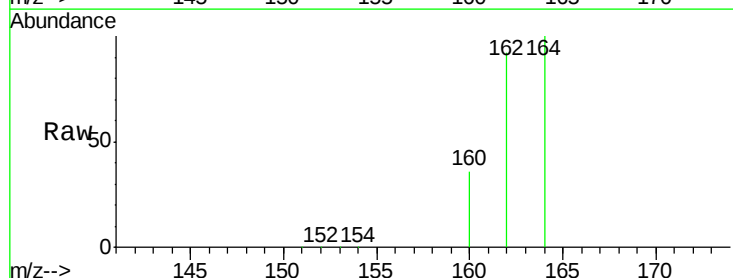
RT: 14.46 min Scan# 823

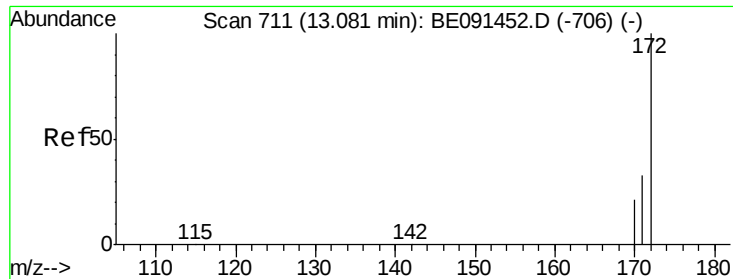
Delta R.T. 0.01 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Tgt Ion:	164	Resp:	183462
Ion Ratio	Lower	Upper	
164	100		
162	92.1	89.8	134.8
160	35.7	43.1	64.7#





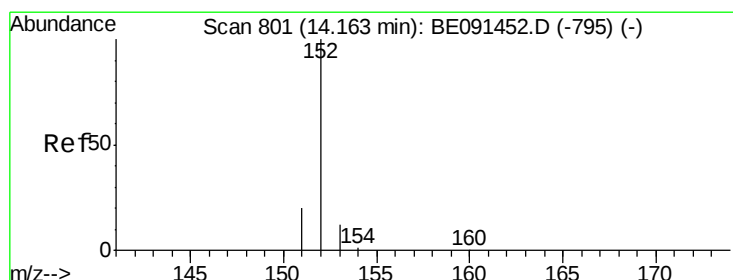
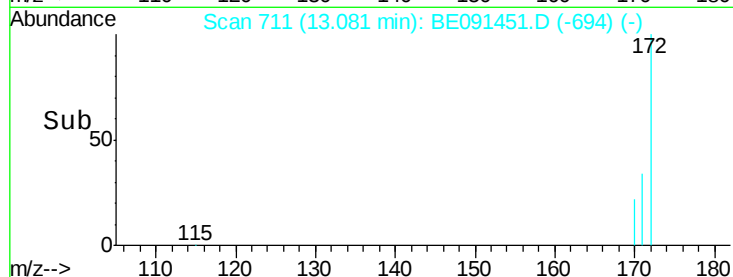
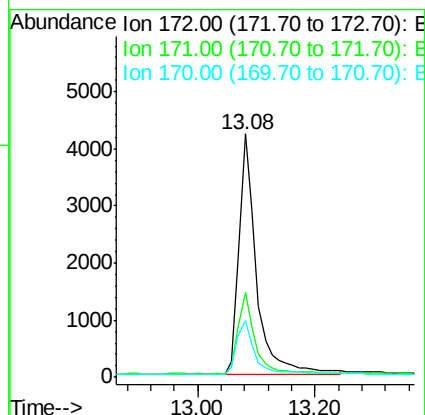
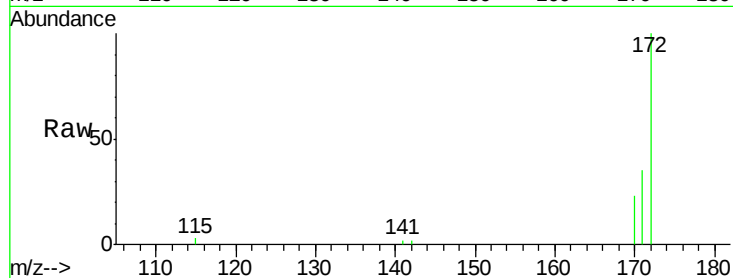
#9
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 13.08 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.7	40.1
170	23.2	17.4	26.2

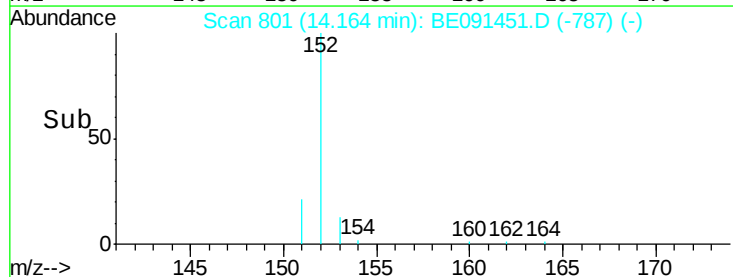
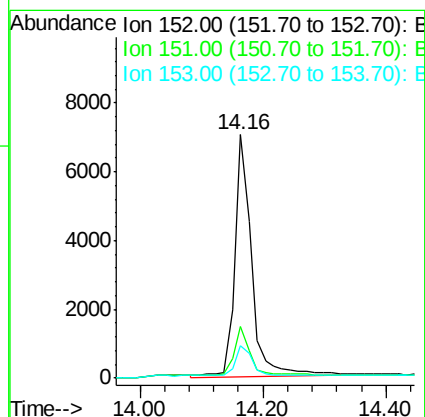
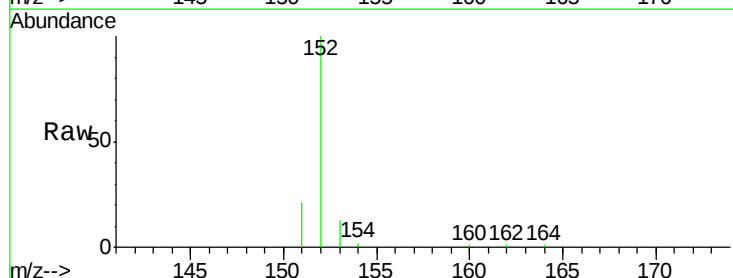
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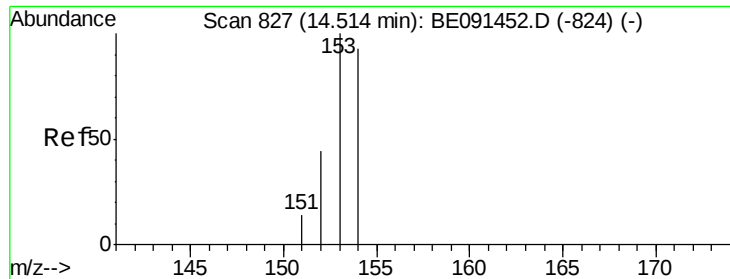
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#10
Acenaphthylene
Concen: 0.05 ng
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	0.0#
153	23.4	0.0	0.0#





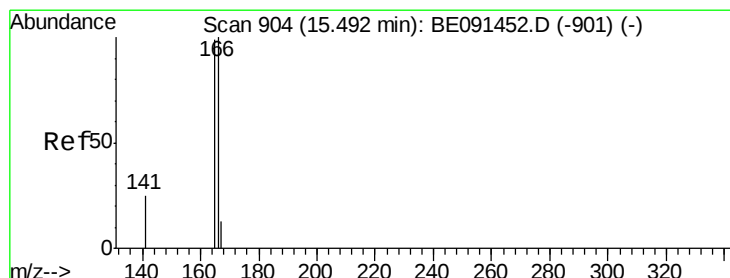
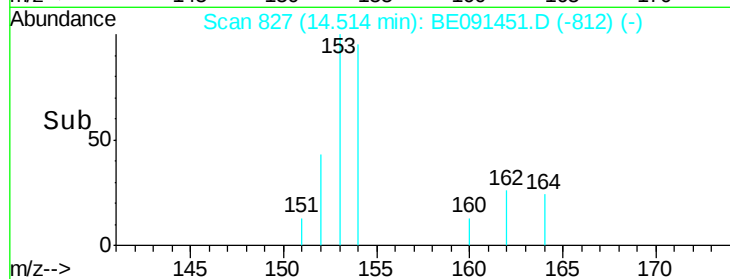
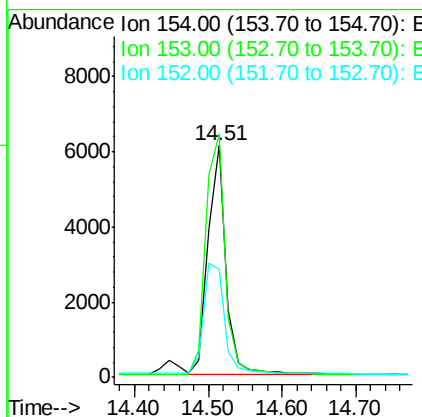
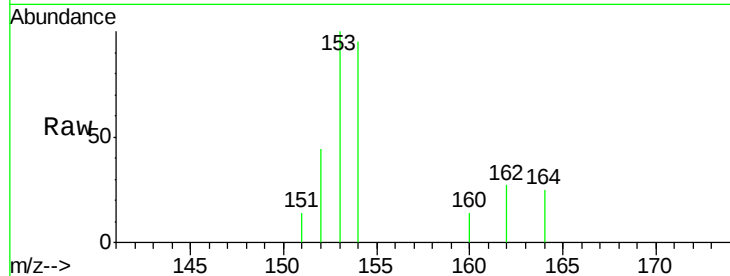
#11
Acenaphthene
Concen: 0.19 ng
RT: 14.51 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	10329		
153	116.1	0.0	0.0	0.0
152	56.0	0.0	0.0	0.0

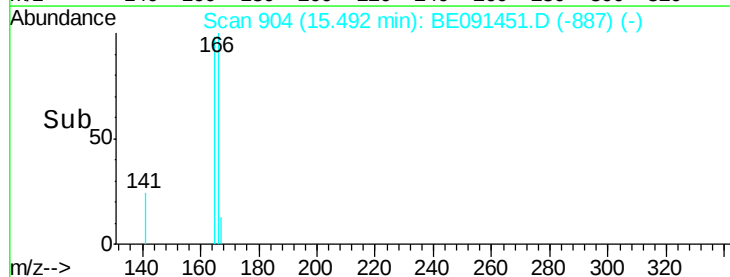
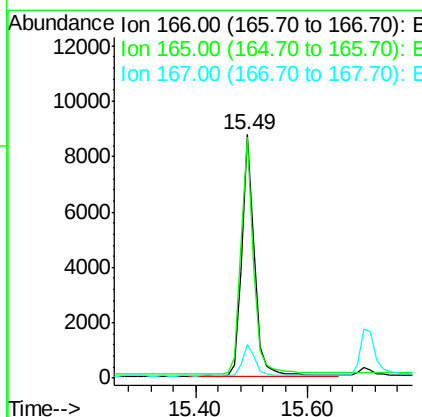
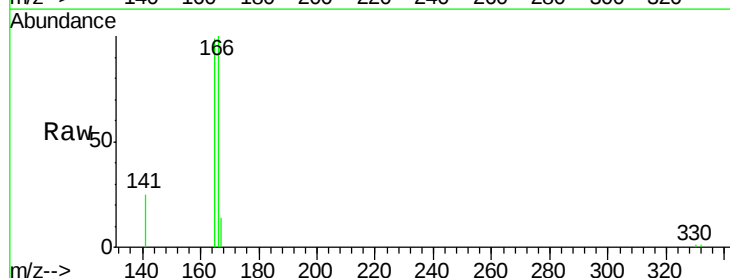
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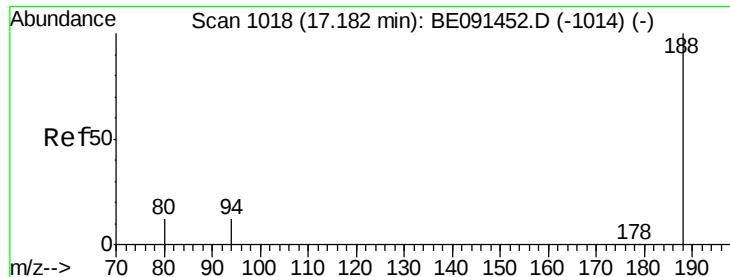
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#12
Fluorene
Concen: 0.19 ng
RT: 15.49 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	13772		
165	100.6	0.0	0.0	0.0
167	13.4	0.0	0.0	0.0





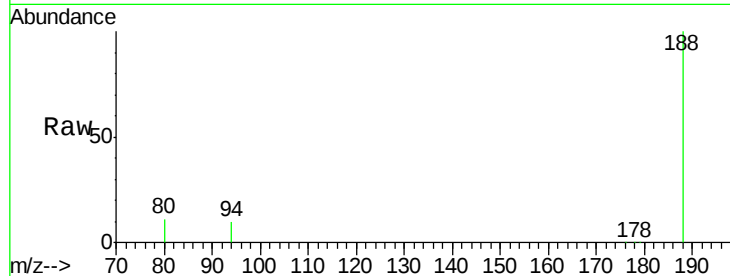
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

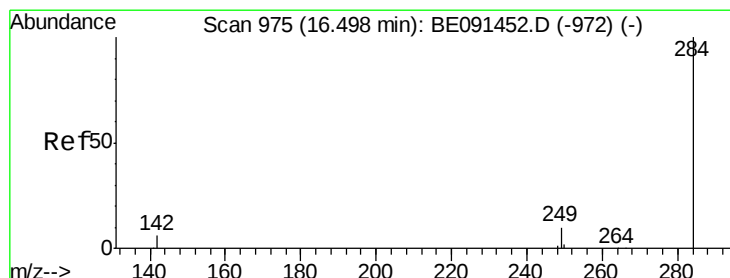
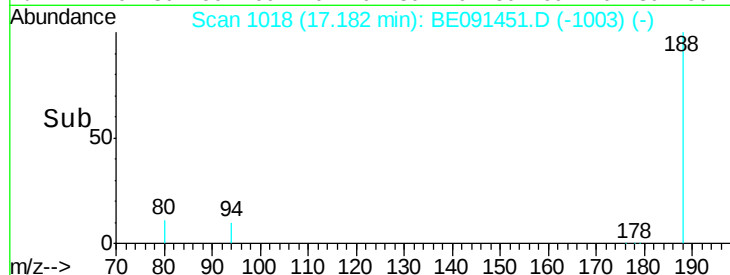
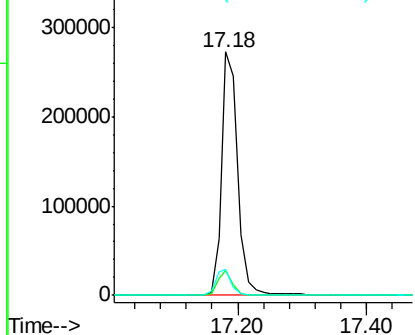
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.4	9.5	14.3
80	10.7	9.8	14.8

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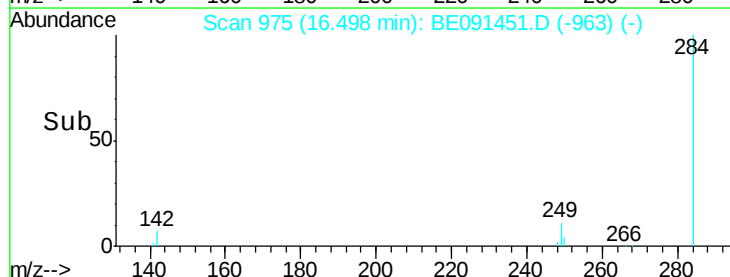
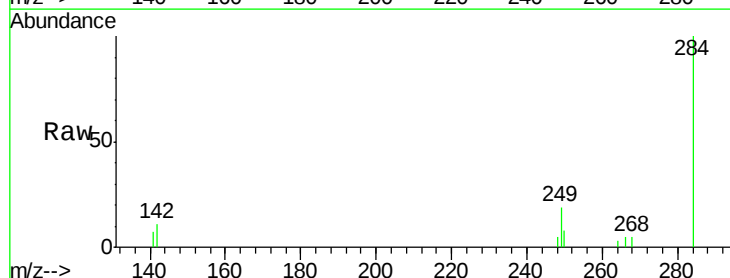
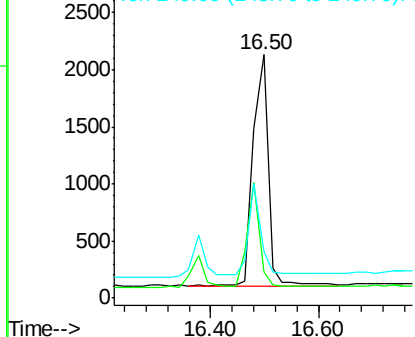
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

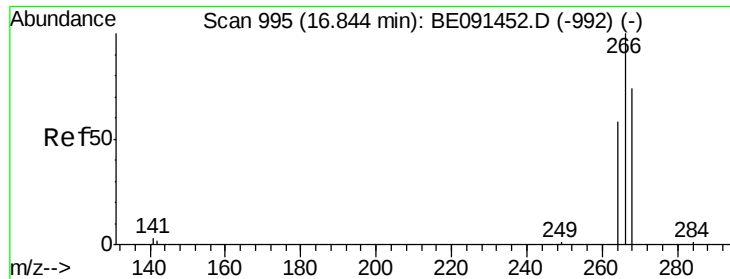


#14
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.50 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	36.6	0.0	0.0#
249	32.3	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





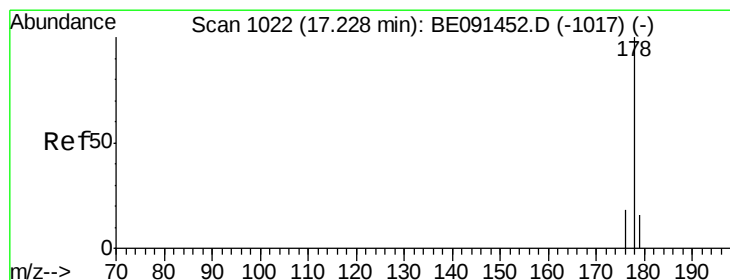
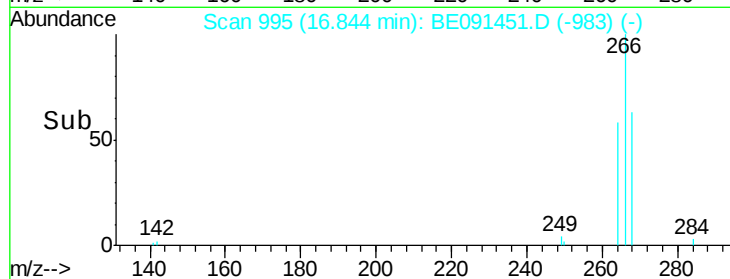
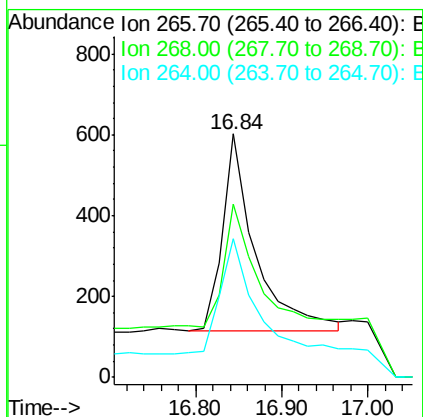
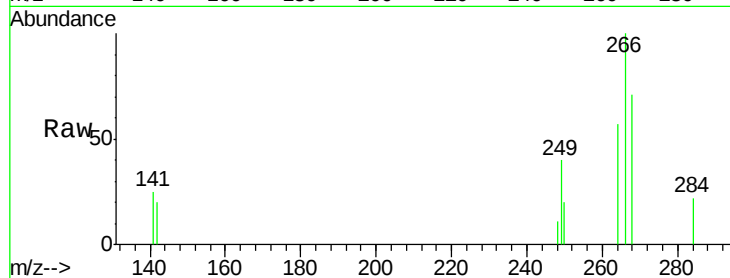
#15
 Pentachlorophenol
 Concen: 0.21 ng
 RT: 16.84 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1285		
268	71.4	61.0	91.6	
264	57.1	45.7	68.5	

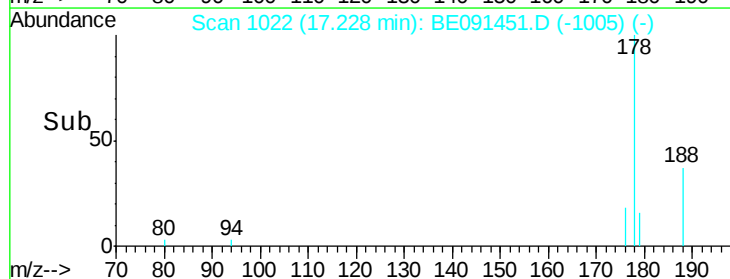
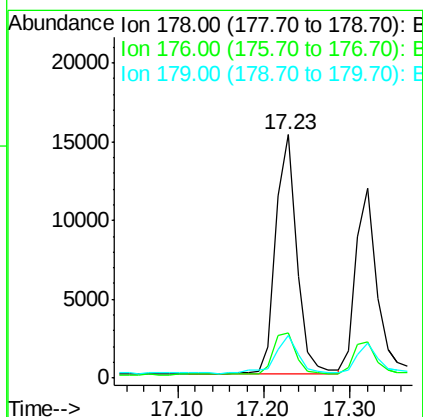
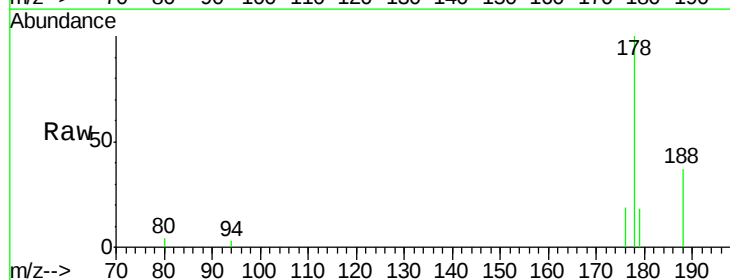
Manual Integrations
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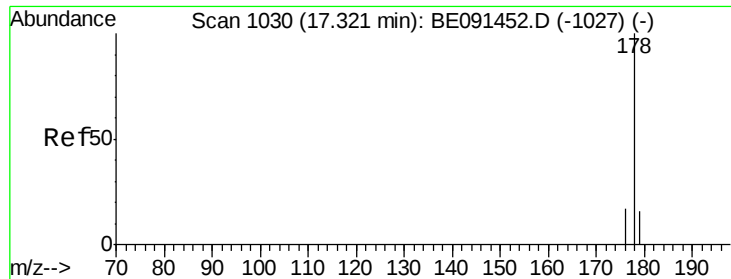
Sohil
 3/17/2016 5:22:12 PM



#16
 Phenanthrene
 Concen: 0.16 ng
 RT: 17.23 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	25769		
176	19.6	0.0	0.0#	
179	17.1	0.0	0.0#	





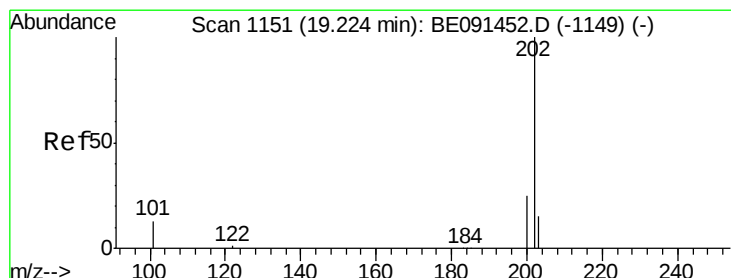
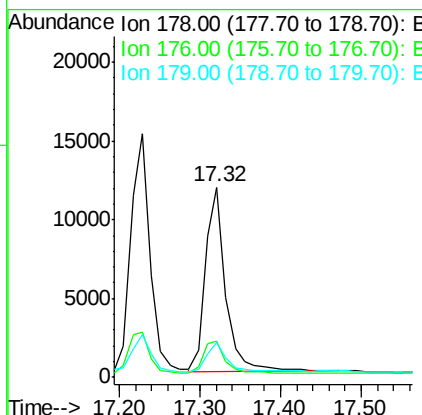
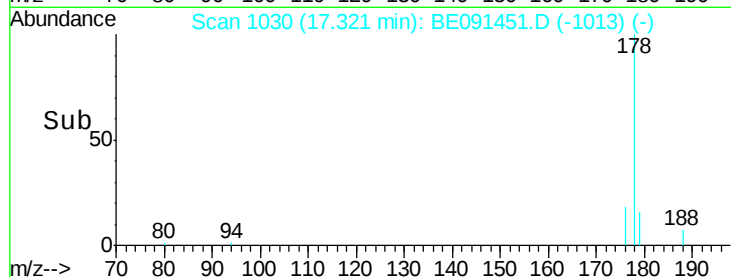
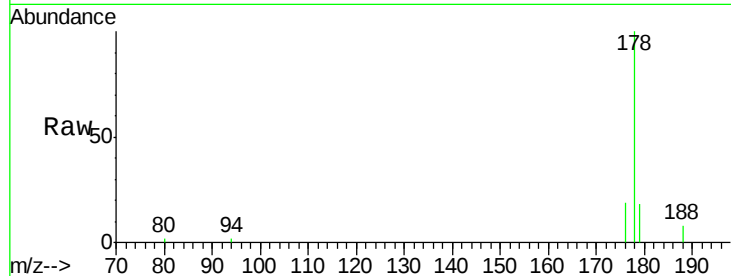
#17
 Anthracene
 Concen: 0.09 ng
 RT: 17.32 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	0.0	0.0#
179	16.0	0.0	0.0#

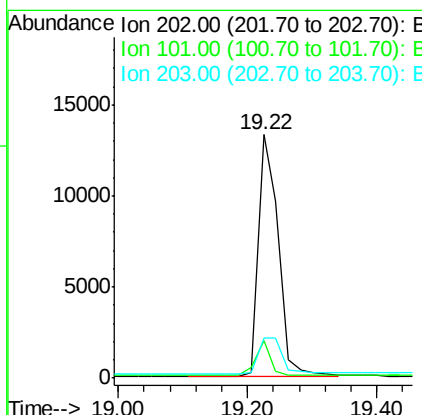
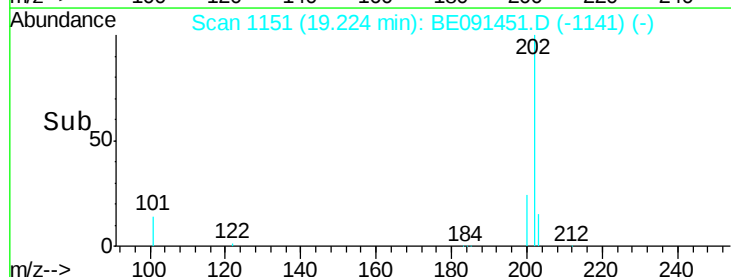
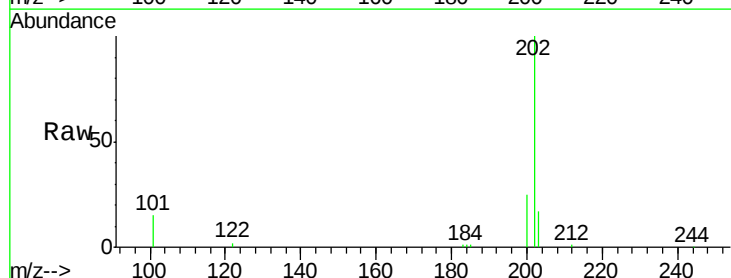
Manual Integrations
 APPROVED

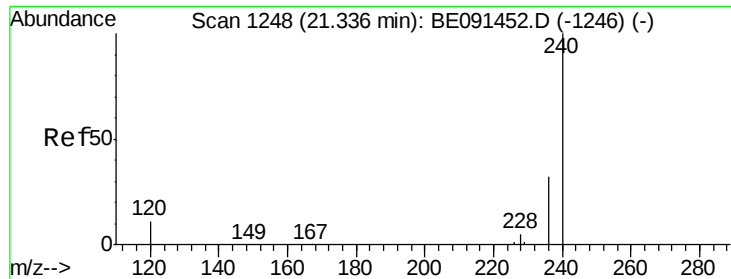
Sohil
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#18
 Fluoranthene
 Concen: 0.12 ng
 RT: 19.22 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	1.1	1.7#
203	18.8	1.0	1.6#





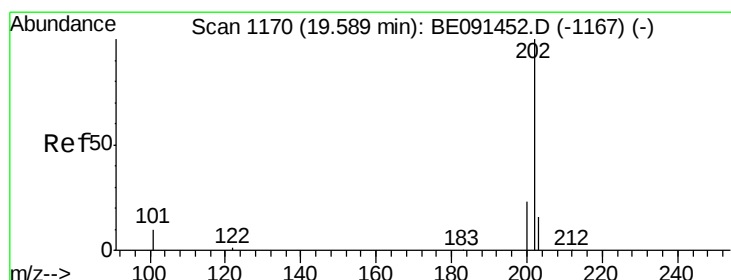
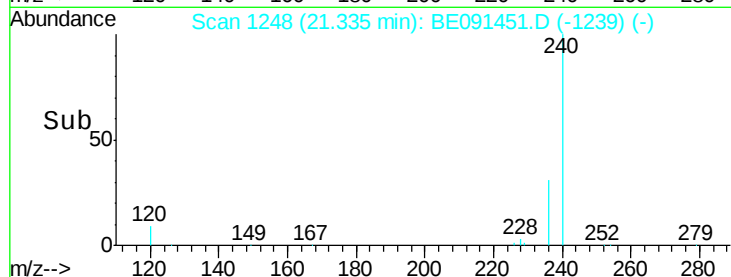
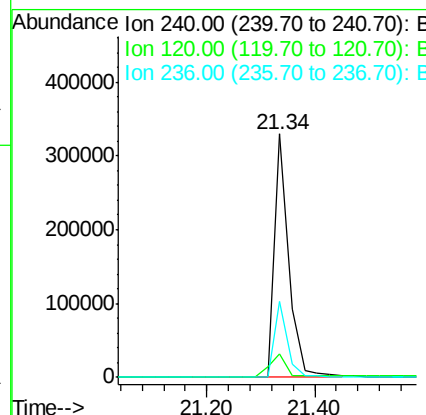
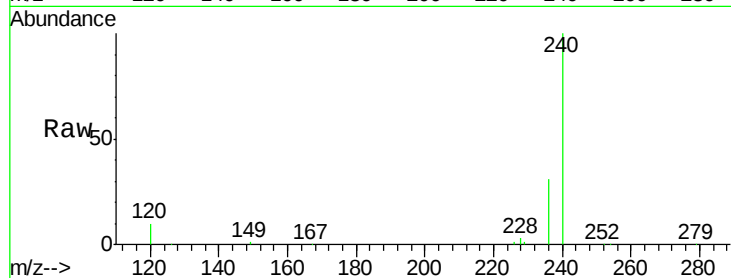
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.8	13.2
236	31.3	25.7	38.5

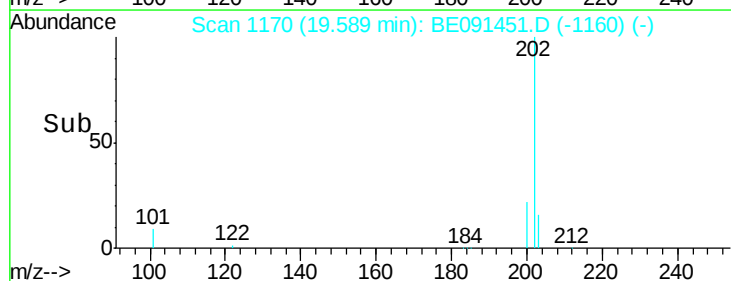
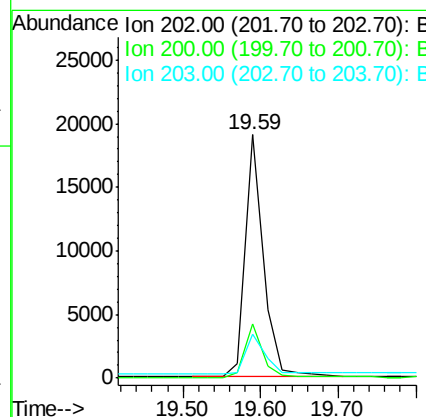
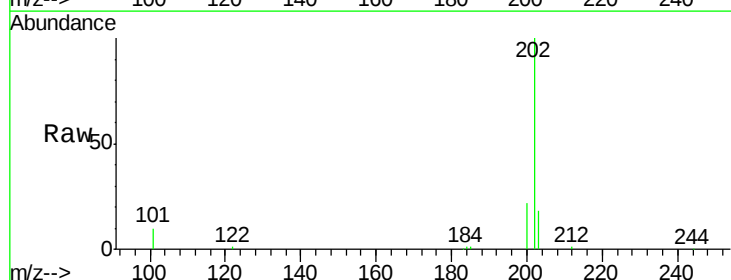
Manual Integrations
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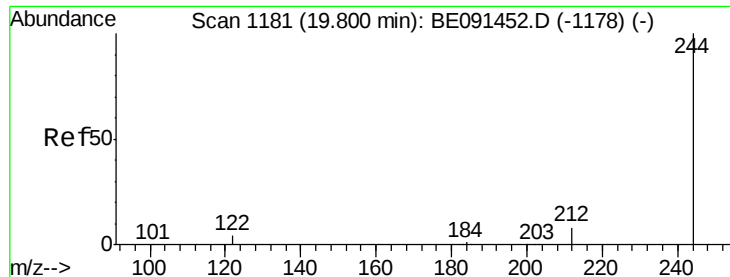
Sohil
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#20
Pyrene
Concen: 0.18 ng
RT: 19.59 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	0.0	0.0#
203	18.7	0.1	0.1#





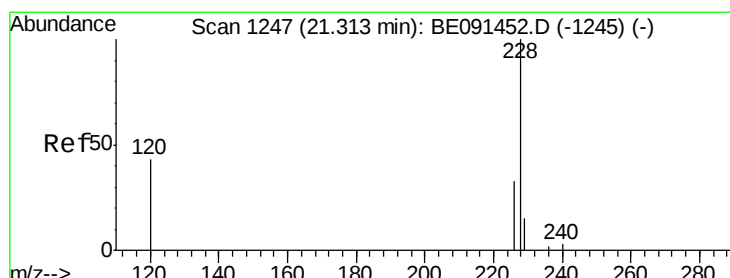
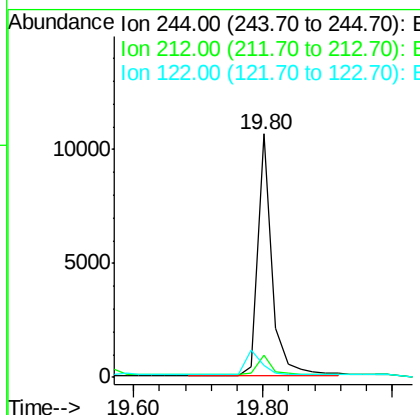
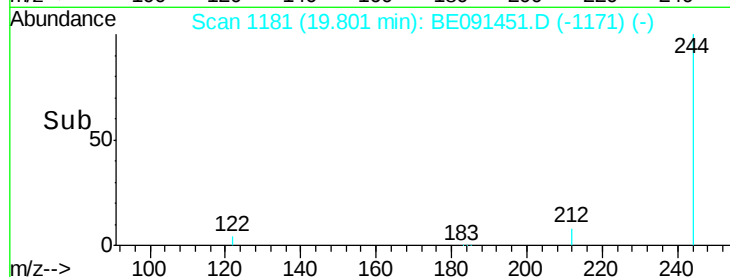
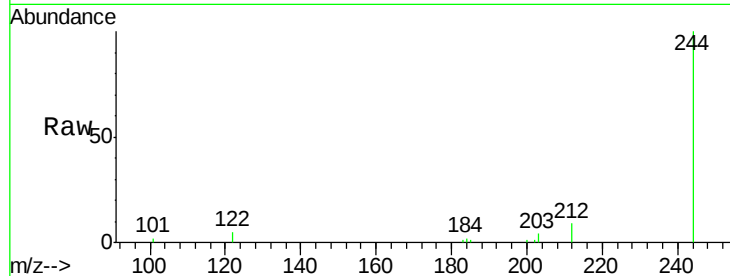
#21
 Terphenyl-d14
 Concen: 0.18 ng
 RT: 19.80 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion:	244	Resp:	16641
Ion Ratio	Lower	Upper	
244	100		
212	8.9	6.6	10.0
122	5.0	3.4	5.0

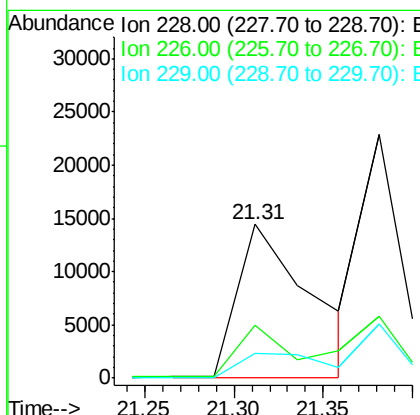
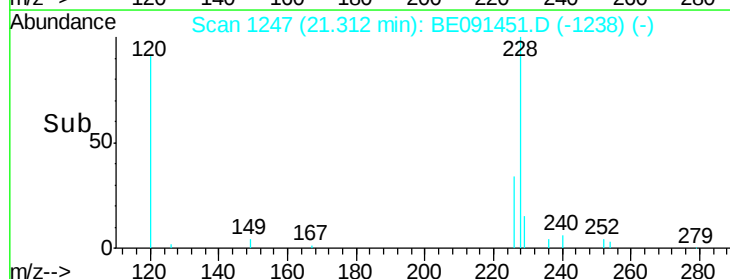
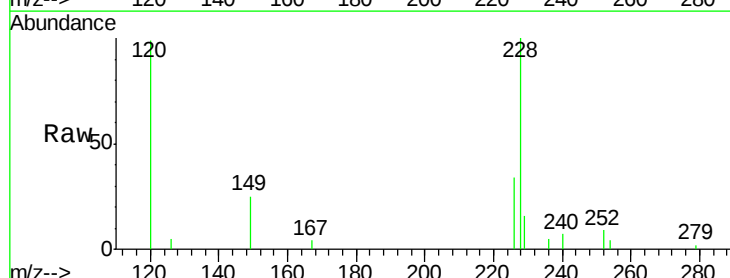
Manual Integrations
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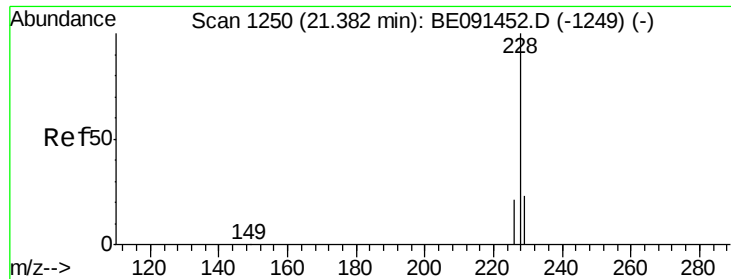
Sohil
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#22
 Benzo(a)anthracene
 Concen: 0.19 ng m
 RT: 21.31 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion:	228	Resp:	40892
Ion Ratio	Lower	Upper	
228	100		
226	34.4	27.1	40.7
229	15.8	12.3	18.5





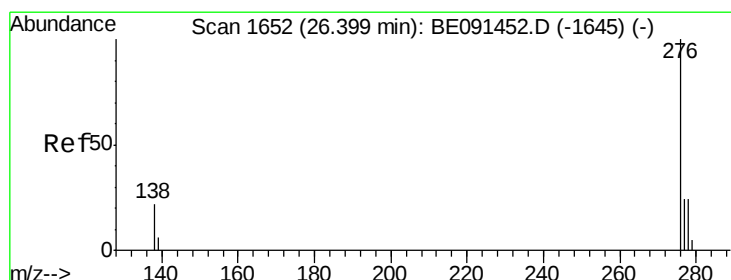
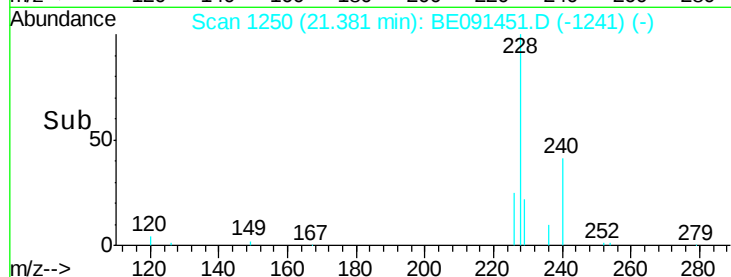
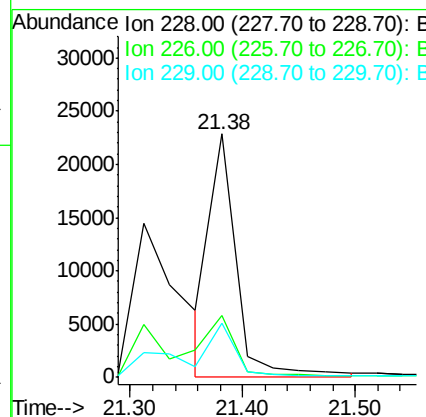
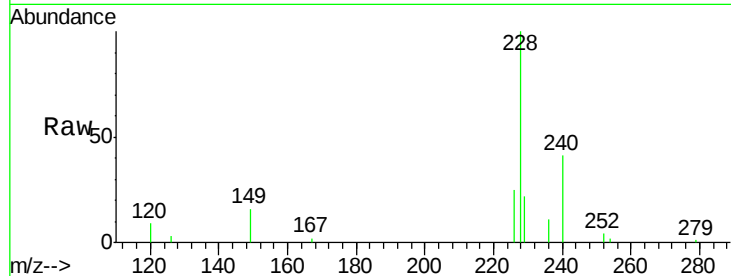
#23
Chrysene
Concen: 0.17 ng m
RT: 21.38 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.4	20.3	30.5
229	22.5	17.4	26.0

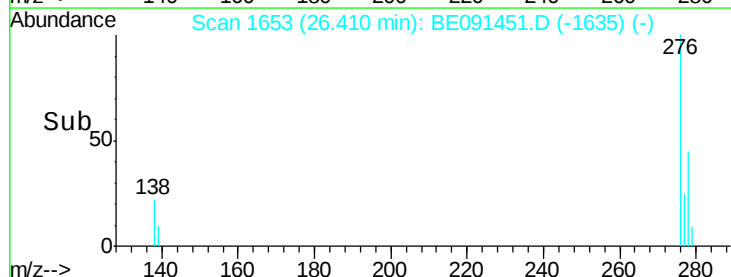
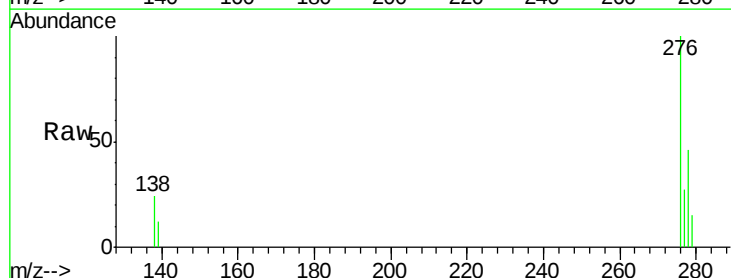
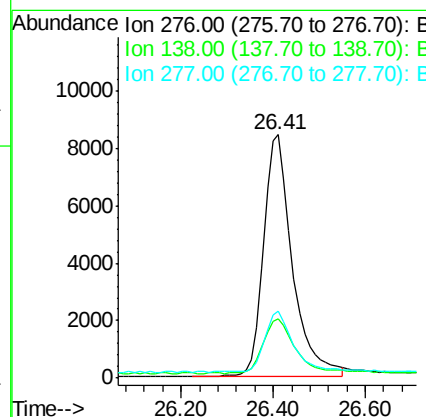
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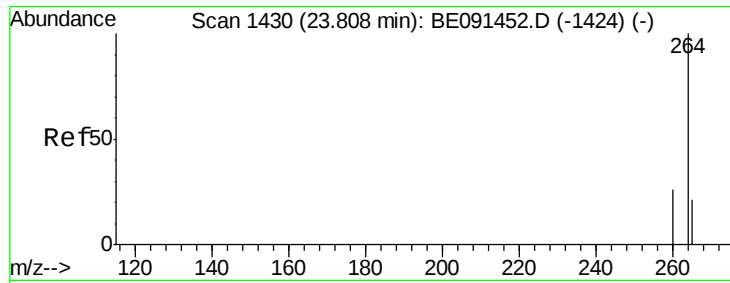
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 26.41 min Scan# 1653
Delta R.T. 0.01 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	0.0	0.0#
277	25.0	0.0	0.0#





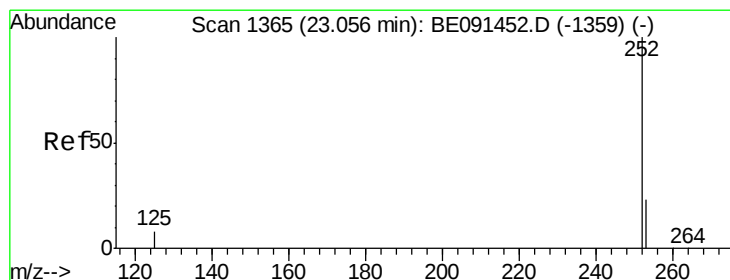
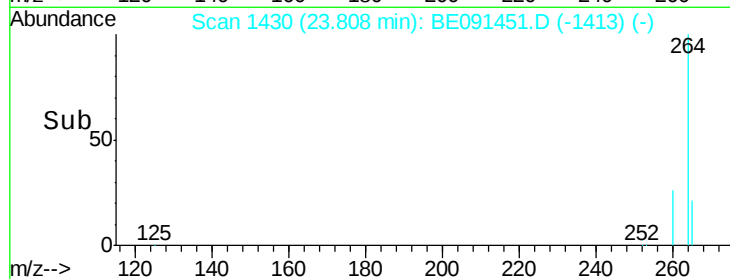
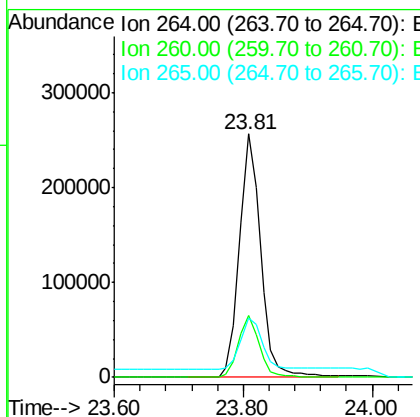
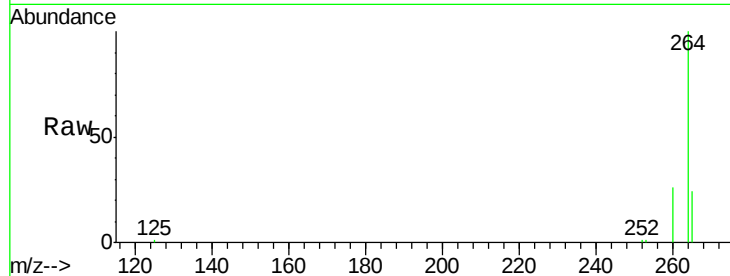
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.81 min Scan# 1430
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	582068		
260	25.7		20.7	31.1
265	24.3		19.4	29.2

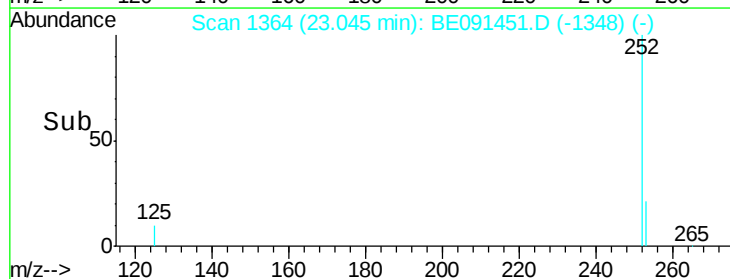
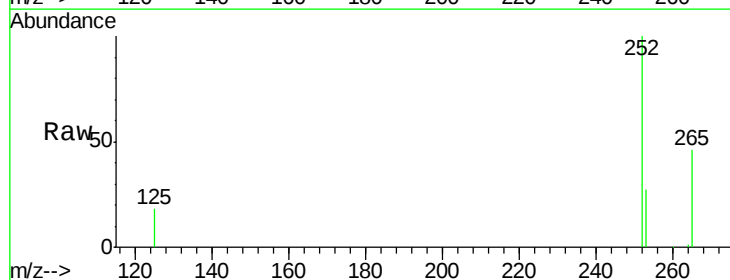
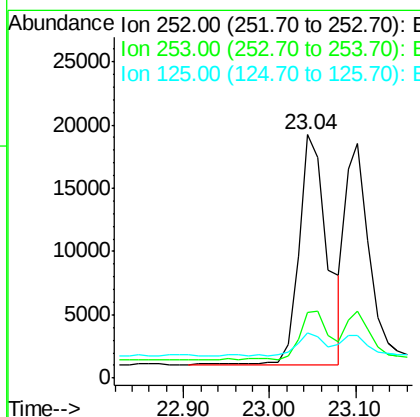
Manual Integrations
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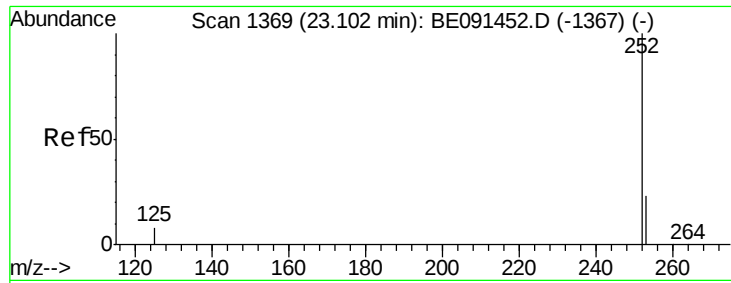
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#26
 Benzo(b)fluoranthene
 Concen: 0.24 ng
 RT: 23.04 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	41545		
253	27.0		20.6	30.8
125	18.4		10.2	15.4#





#27

Benzo(k)fluoranthene

Concen: 0.22 ng

RT: 23.10 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE091451.D

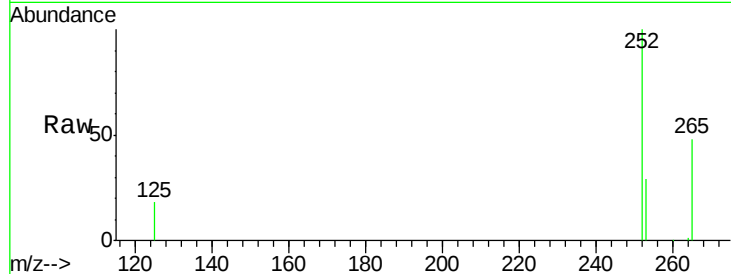
Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

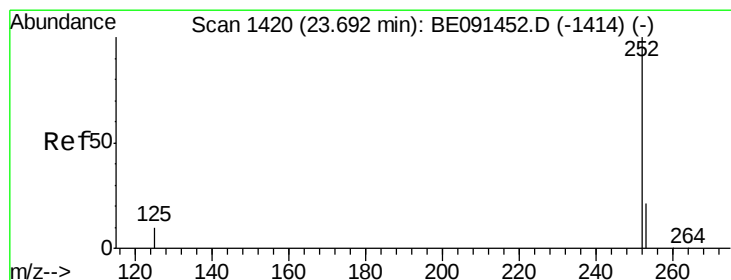
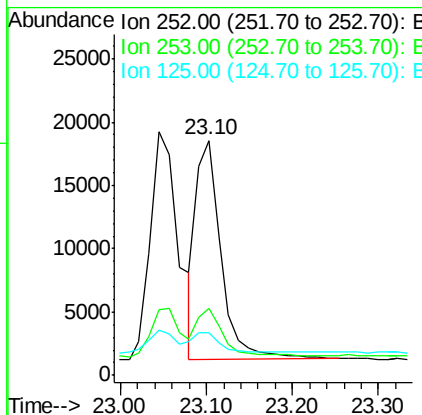
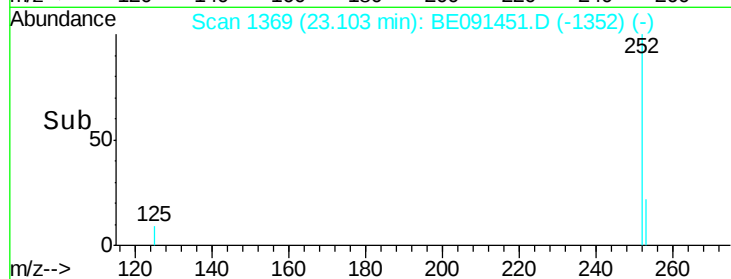
SSTDIC0.2



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	20.2	30.2
125	18.1	10.6	16.0

Manual Integrations
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#28

Benzo(a)pyrene

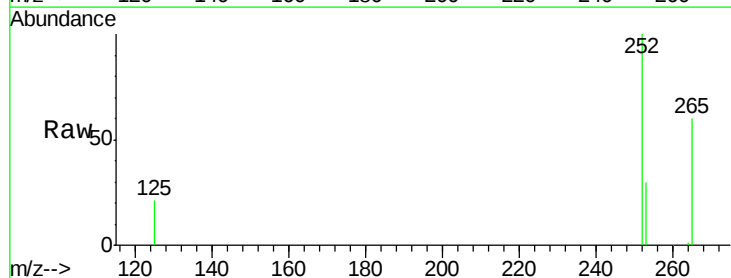
Concen: 0.22 ng

RT: 23.69 min Scan# 1420

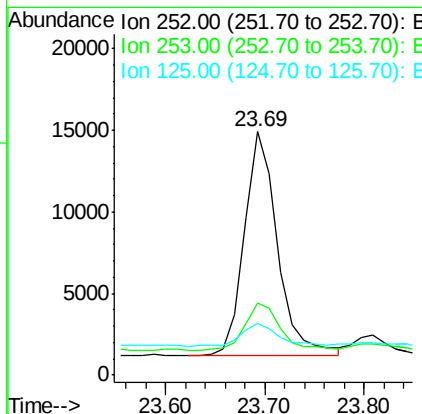
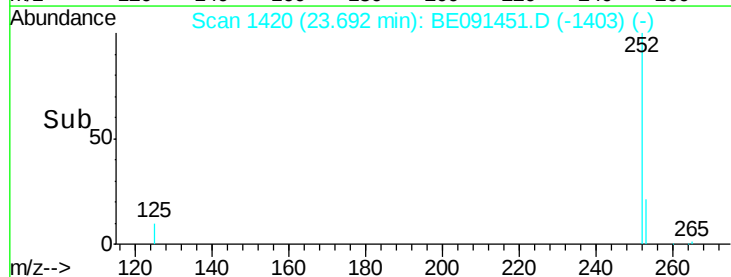
Delta R.T. 0.00 min

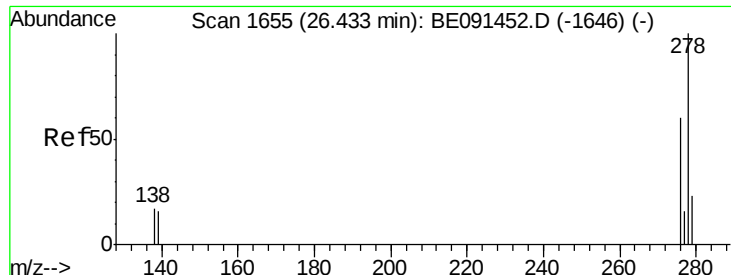
Lab File: BE091451.D

Acq: 16 Mar 2016 20:01



Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	20.0	30.0
125	21.4	12.7	19.1





#29

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 26.43 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

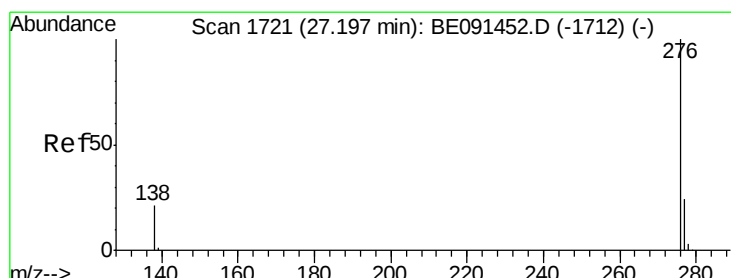
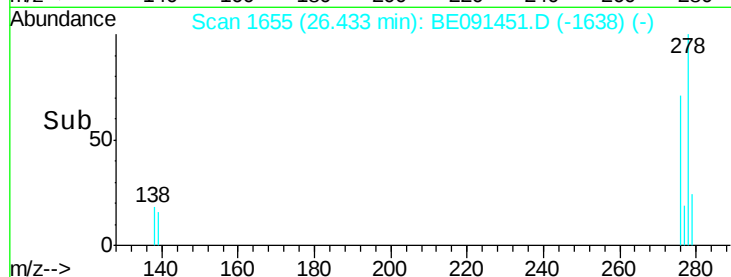
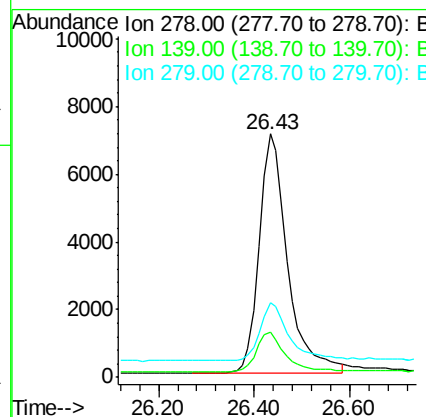
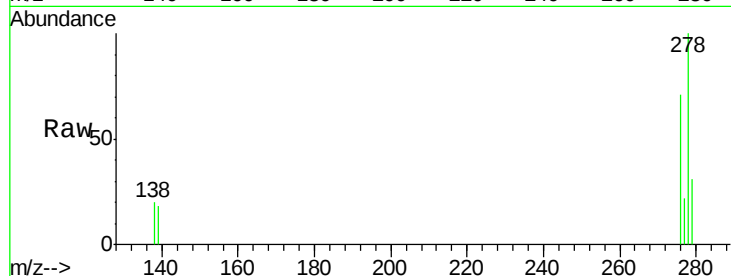
ClientSampleId :

SSTDIC0.2

Tgt Ion:	278	Resp:	29436
Ion Ratio	Lower	Upper	
278	100		
139	18.4	13.3	19.9
279	30.7	20.9	31.3

Manual Integrations
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#30

Benzo(g,h,i)perylene

Concen: 0.22 ng

RT: 27.20 min Scan# 1721

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Tgt Ion:	276	Resp:	32413
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.8	29.8
138	24.1	17.6	26.4

