

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091454.D
 Acq On : 16 Mar 2016 21:51
 Operator : UM/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

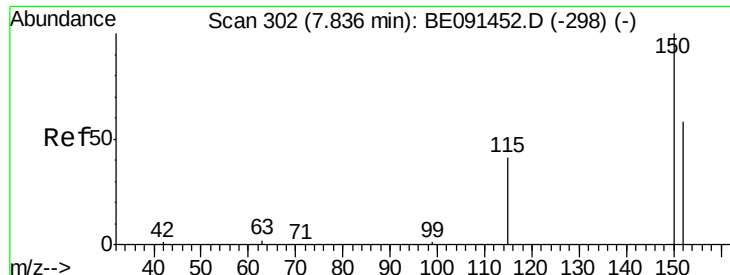
Manual Integrations
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Quant Time: Mar 17 07:16:49 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE031616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 07:07:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	69070	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	319609	5.00	ng	0.00
8) Acenaphthene-d10	14.46	164	198769	5.00	ng	0.01
13) Phenanthrene-d10	17.18	188	495206	5.00	ng	0.00
19) Chrysene-d12	21.34	240	646028	5.00	ng	0.00
25) Perylene-d12	23.81	264	596612	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	22439	1.51	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	82582	1.71	ng	0.00
21) Terphenyl-d14	19.80	244	147388	1.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	12924	2.03	ng	# 100
3) n-Nitrosodimethylamine	3.66	42	21126	2.87	ng	# 100
6) Naphthalene	10.67	128	124677	1.69	ng	99
7) 2-Methylnaphthalene	12.27	142	83700	1.91	ng	96
10) Acenaphthylene	14.16	152	136675	0.46	ng	# 100
11) Acenaphthene	14.51	154	97315	1.63	ng	# 100
12) Fluorene	15.49	166	127608	1.65	ng	# 100
14) Hexachlorobenzene	16.50	284	33979	1.21	ng	# 100
15) Pentachlorophenol	16.83	266	14161	2.29	ng	# 80
16) Phenanthrene	17.23	178	225557	1.33	ng	# 100
17) Anthracene	17.32	178	204031	0.84	ng	# 100
18) Fluoranthene	19.22	202	258250	1.05	ng	# 67
20) Pyrene	19.59	202	289701	1.59	ng	# 93
22) Benzo(a)anthracene	21.31	228	338620	1.52	ng	97
23) Chrysene	21.38	228	242702m	1.05	ng	
24) Indeno(1,2,3-cd)pyrene	26.40	276	321937	1.63	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	324621	1.86	ng	93
27) Benzo(k)fluoranthene	23.10	252	292924m	1.82	ng	
28) Benzo(a)pyrene	23.69	252	275345	1.87	ng	# 92
29) Dibenzo(a,h)anthracene	26.43	278	268662	1.90	ng	97
30) Benzo(g,h,i)perylene	27.20	276	278175	1.84	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091454.D

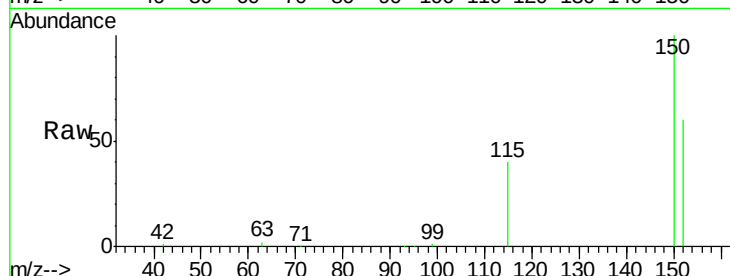
Acq: 16 Mar 2016 21:51

Instrument :

BNA_E

ClientSampleId :

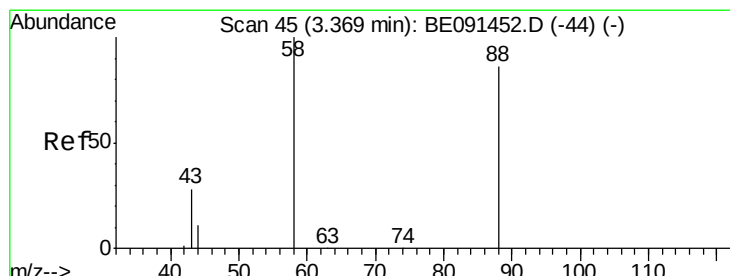
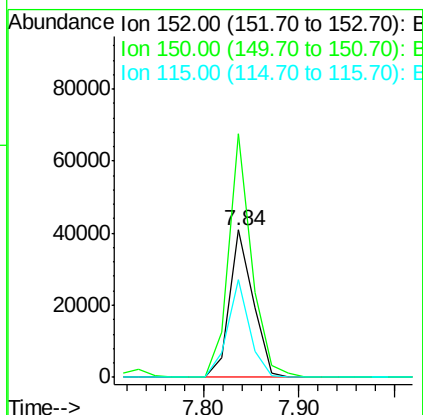
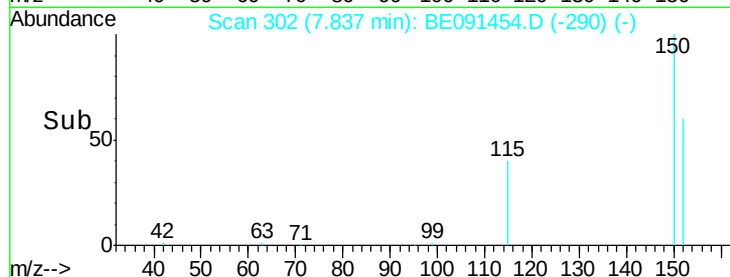
SSTDICC1.6



Tgt Ion:	152	Resp:	69070
Ion Ratio	Lower	Upper	
152	100		
150	165.4	136.8	205.2
115	66.1	56.9	85.3

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#2

1,4-Dioxane

Concen: 2.03 ng

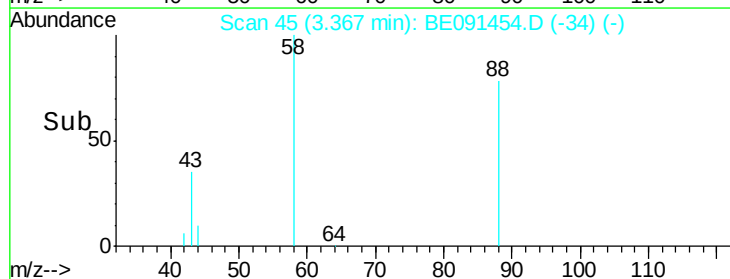
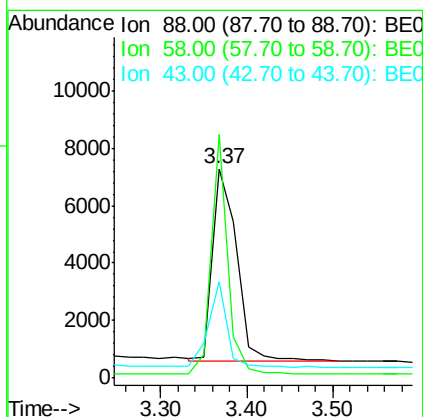
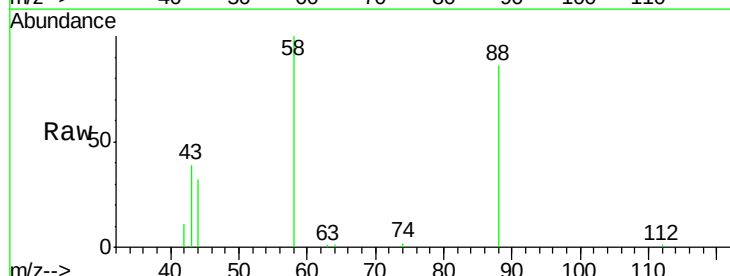
RT: 3.37 min Scan# 45

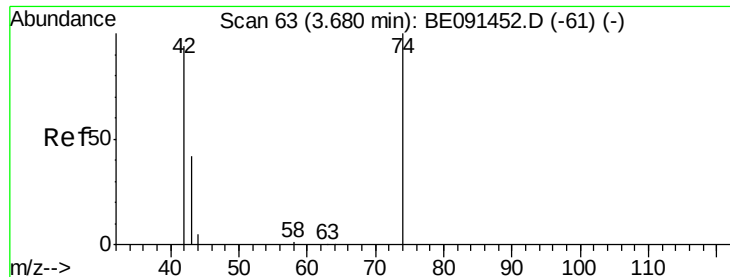
Delta R.T. -0.00 min

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Tgt Ion:	88	Resp:	12924
Ion Ratio	Lower	Upper	
88	100		
58	84.9	0.0	0.0#
43	35.0	0.0	0.0#





#3

n-Nitrosodimethylamine

Concen: 2.87 ng

RT: 3.66 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Instrument :

BNA_E

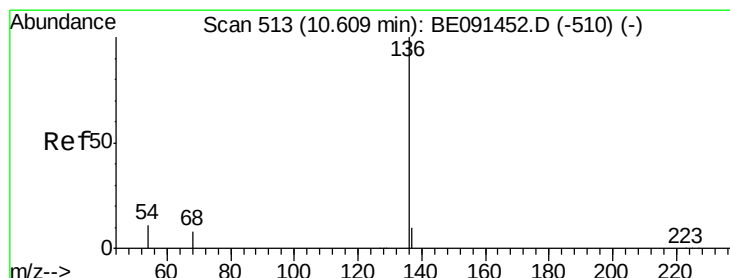
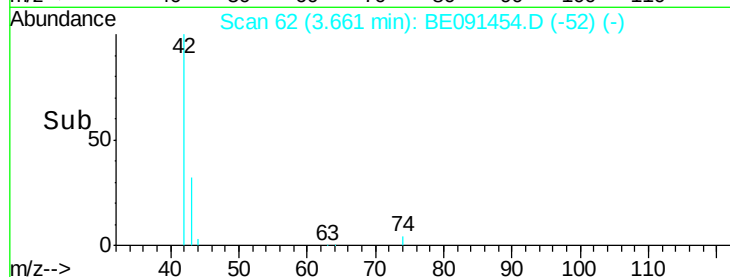
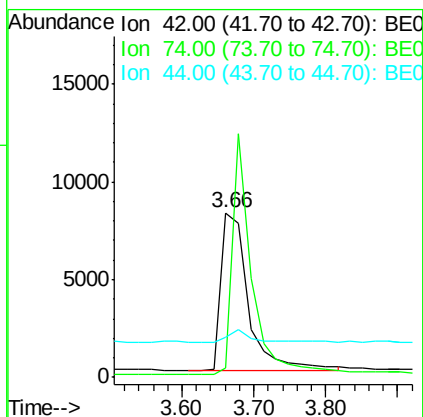
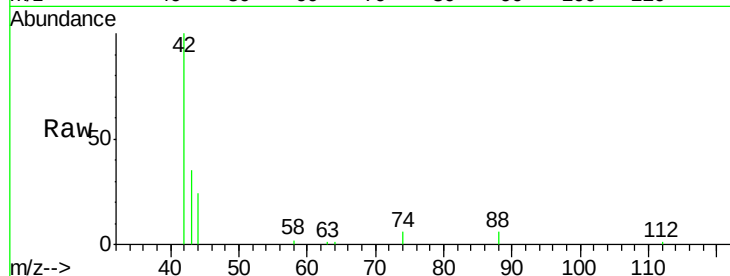
ClientSampleId :

SSTDICC1.6

Tgt Ion:	42	Resp:	21126
Ion Ratio		Lower	Upper
42	100		
74	105.7	0.0	0.0#
44	7.8	0.0	0.0#

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#4

Naphthalene-d8

Concen: 5.00 ng

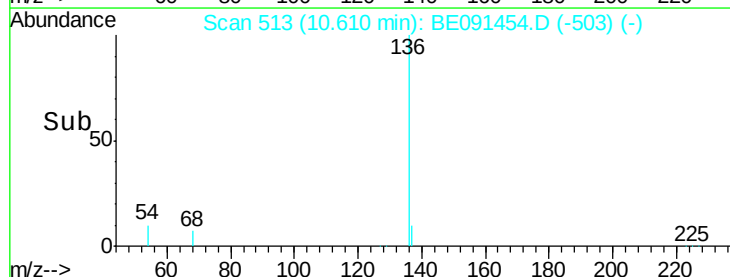
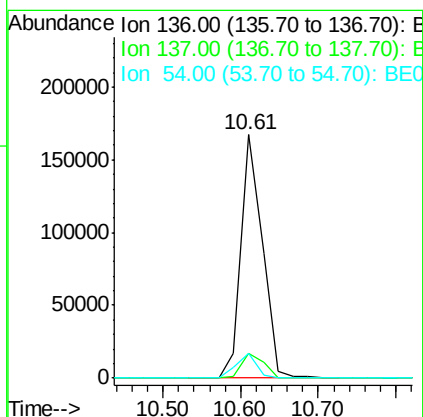
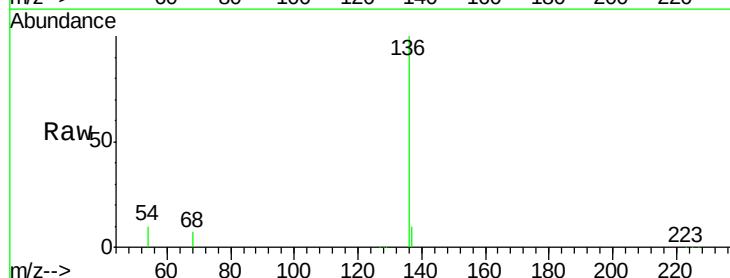
RT: 10.61 min Scan# 513

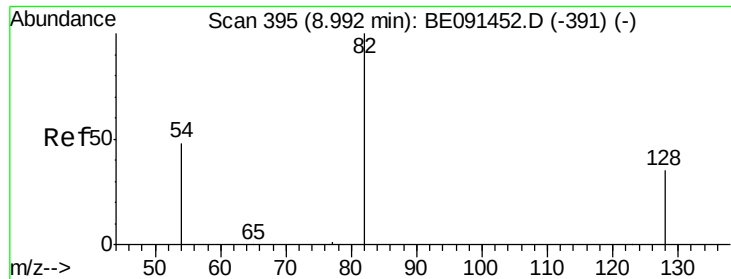
Delta R.T. 0.00 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Tgt Ion:	136	Resp:	319609
Ion Ratio		Lower	Upper
136	100		
137	10.3	8.0	12.0
54	10.0	9.1	13.7





#5

Nitrobenzene-d5

Concen: 1.51 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Instrument :

BNA_E

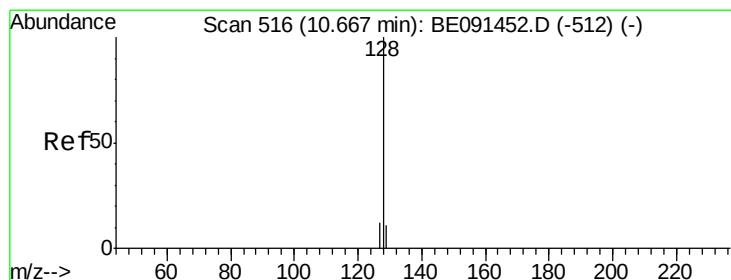
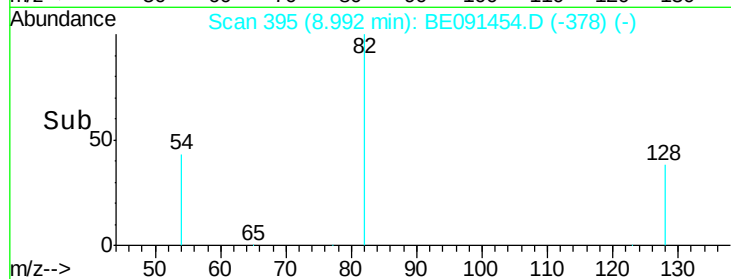
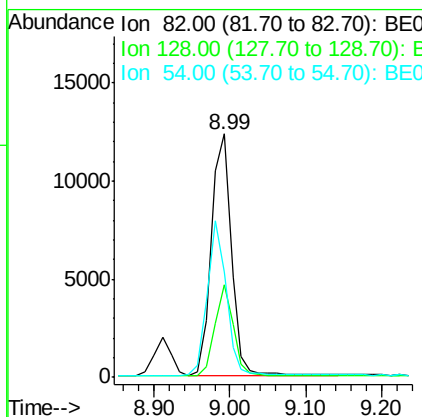
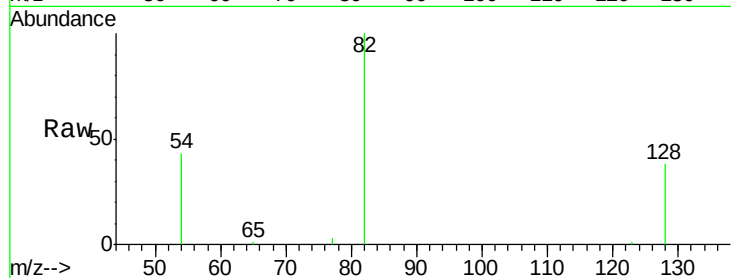
ClientSampleId :

SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	29.4	44.2
54	43.4	39.8	59.8

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#6

Naphthalene

Concen: 1.69 ng

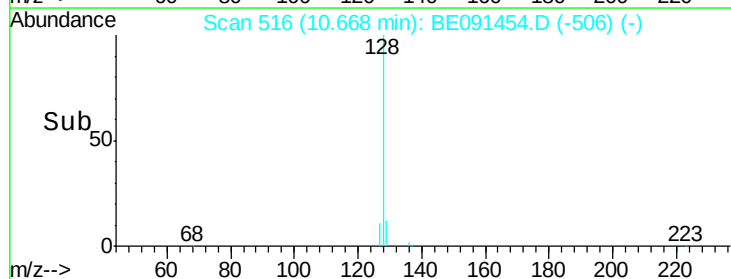
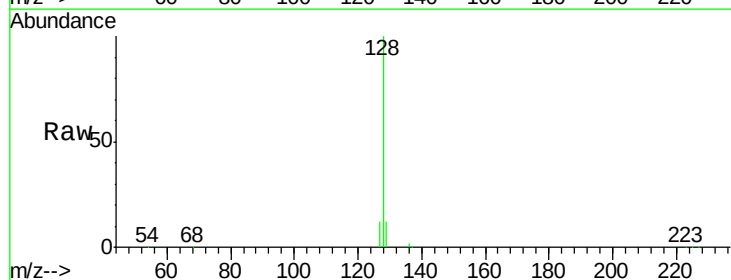
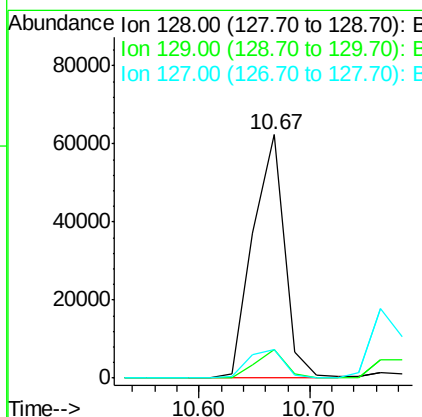
RT: 10.67 min Scan# 516

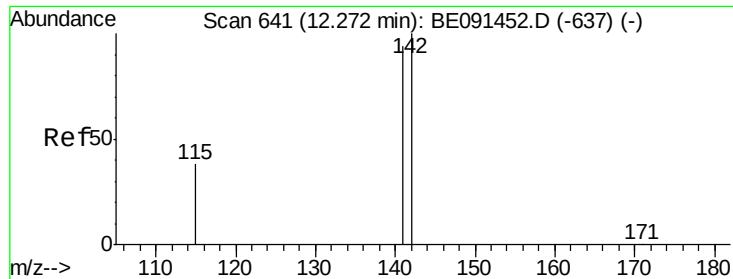
Delta R.T. 0.00 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.0
127	11.5	9.7	14.5





#7

2-Methylnaphthalene

Concen: 1.91 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Instrument :

BNA_E

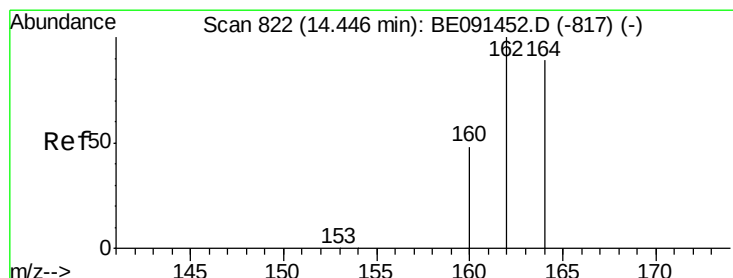
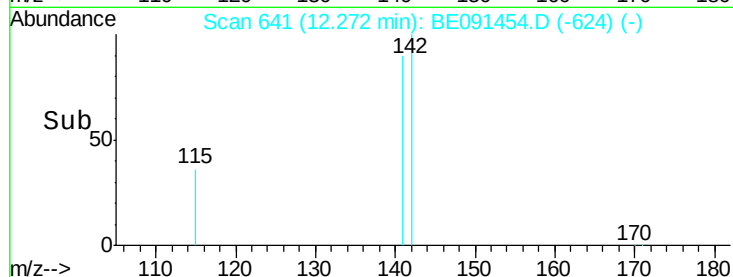
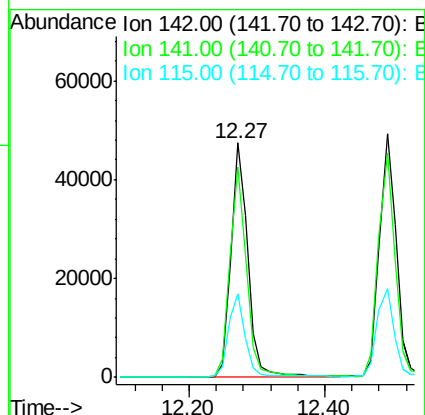
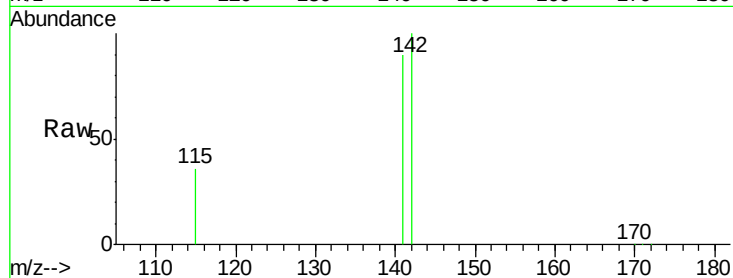
ClientSampleId :

SSTDICC1.6

Tgt Ion:	142	Resp:	83700
Ion Ratio	Lower	Upper	
142	100		
141	89.8	75.0	112.4
115	35.9	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

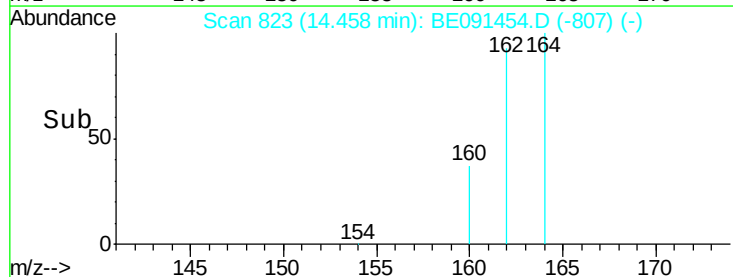
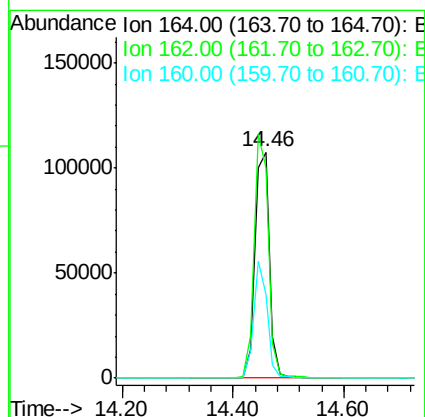
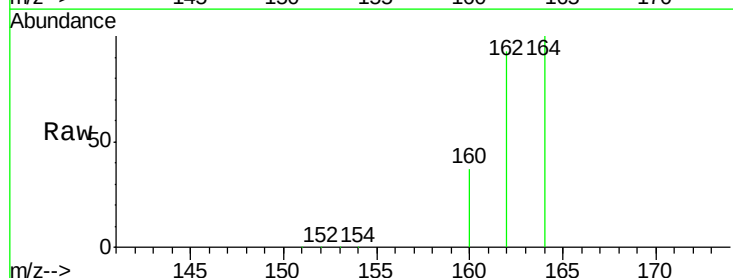
RT: 14.46 min Scan# 823

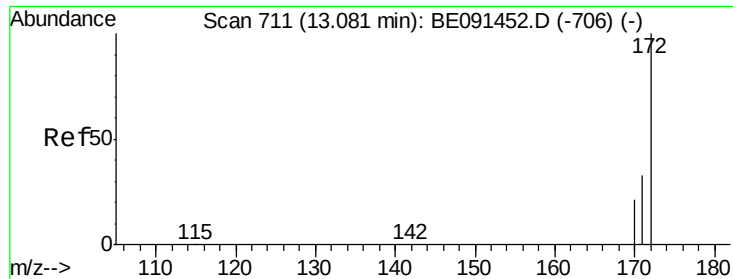
Delta R.T. 0.01 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Tgt Ion:	164	Resp:	198769
Ion Ratio	Lower	Upper	
164	100		
162	93.1	89.8	134.8
160	36.8	43.1	64.7#





#9

2-Fluorobiphenyl

Concen: 1.71 ng

RT: 13.08 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Instrument :

BNA_E

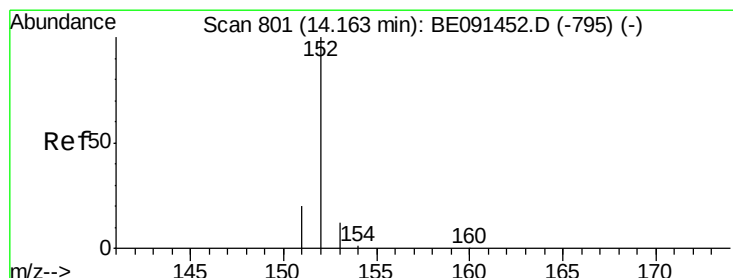
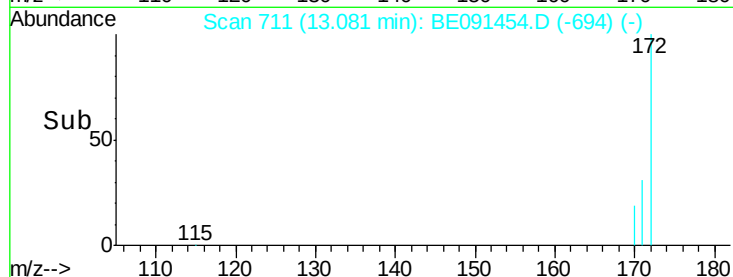
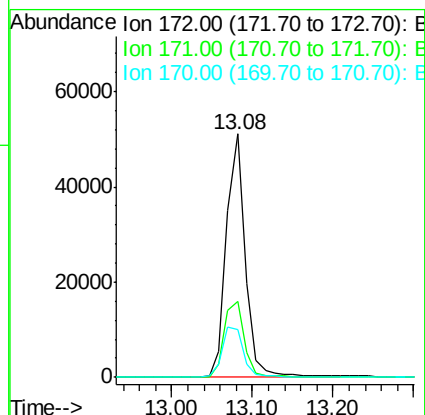
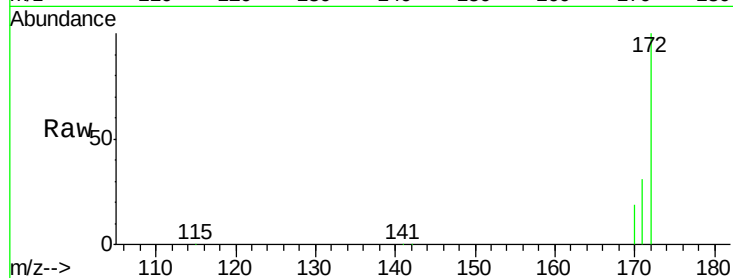
ClientSampleId :

SSTDICC1.6

Tgt Ion:	172	Resp:	82582
Ion Ratio	Lower	Upper	
172	100		
171	31.2	26.7	40.1
170	19.5	17.4	26.2

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#10

Acenaphthylene

Concen: 0.46 ng

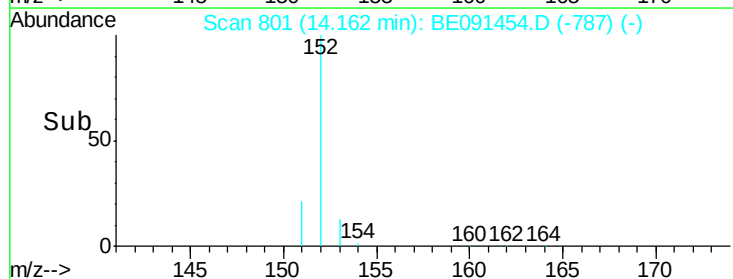
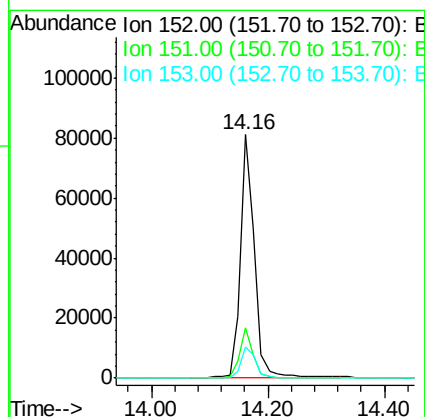
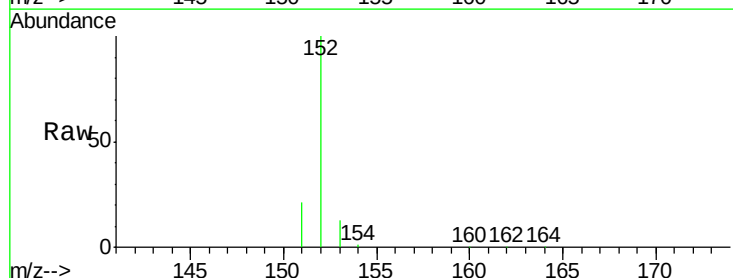
RT: 14.16 min Scan# 801

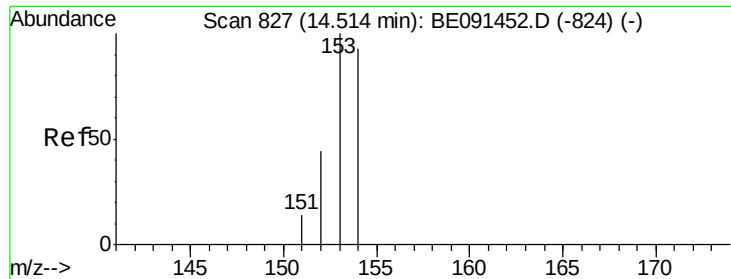
Delta R.T. -0.00 min

Lab File: BE091454.D

Acq: 16 Mar 2016 21:51

Tgt Ion:	152	Resp:	136675
Ion Ratio	Lower	Upper	
152	100		
151	19.5	0.0	0.0#
153	13.2	0.0	0.0#





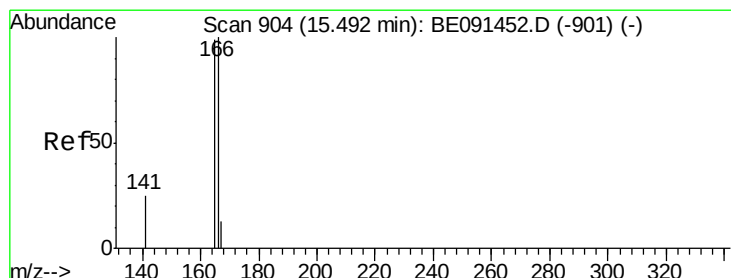
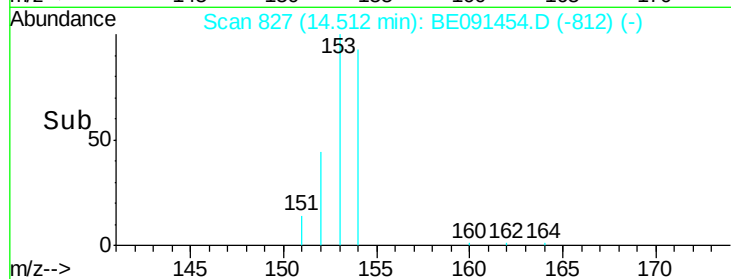
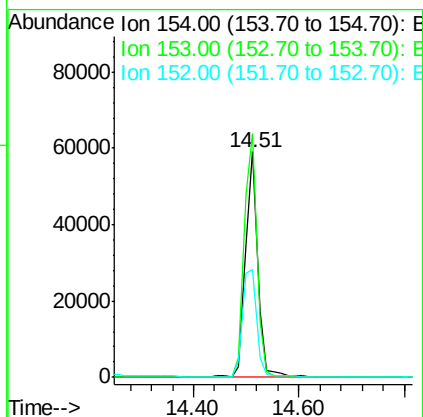
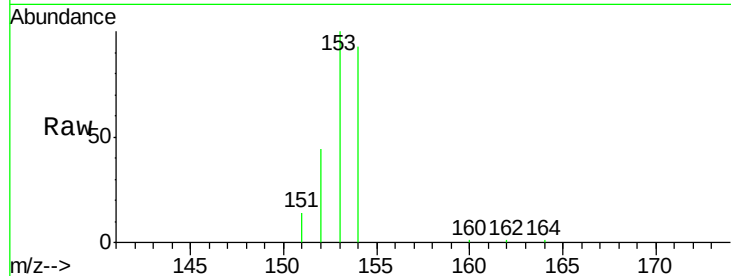
#11
Acenaphthene
Concen: 1.63 ng
RT: 14.51 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	97315		
153	111.5	0.0	0.0	0.0
152	54.6	0.0	0.0	0.0

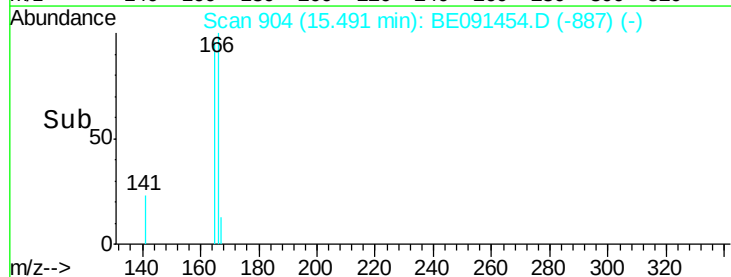
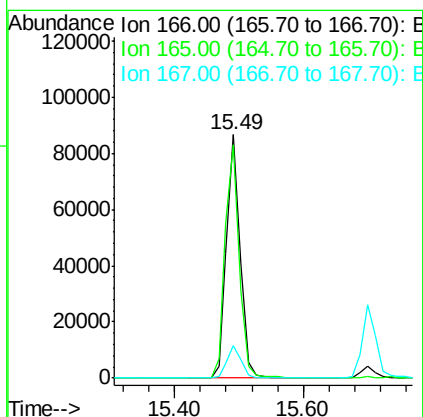
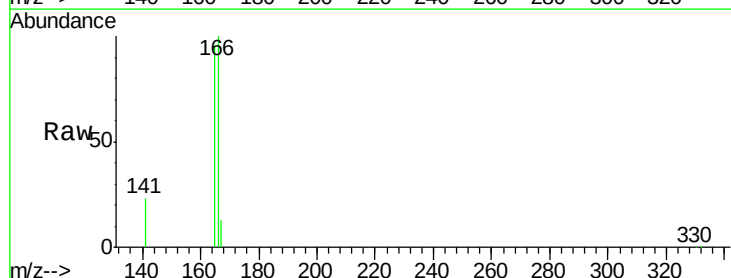
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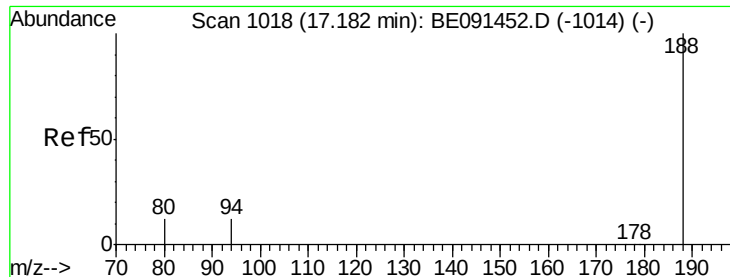
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#12
Fluorene
Concen: 1.65 ng
RT: 15.49 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	127608		
165	98.9	0.0	0.0	0.0
167	13.5	0.0	0.0	0.0





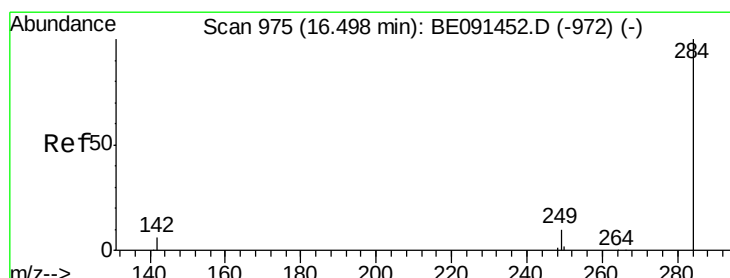
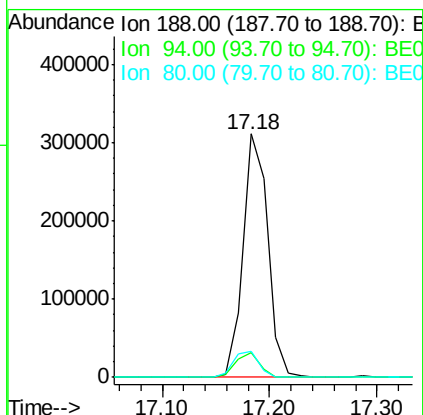
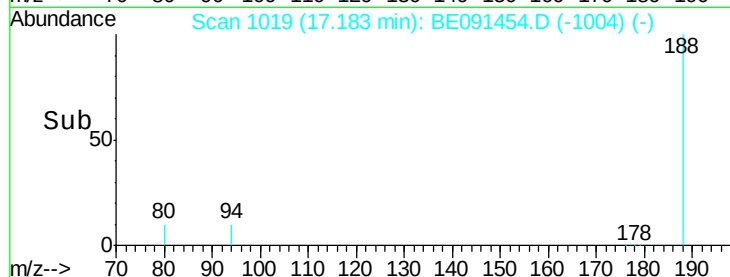
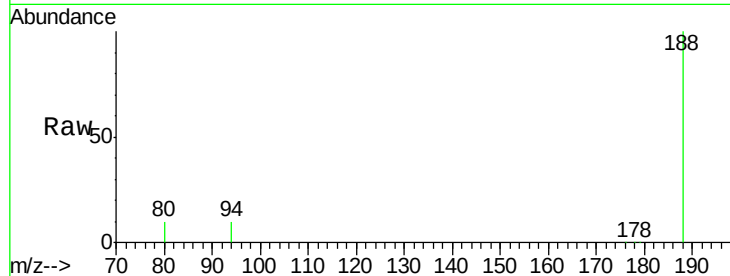
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	9.5	14.3
80	10.4	9.8	14.8

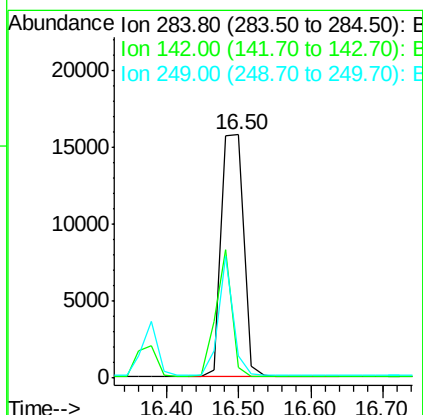
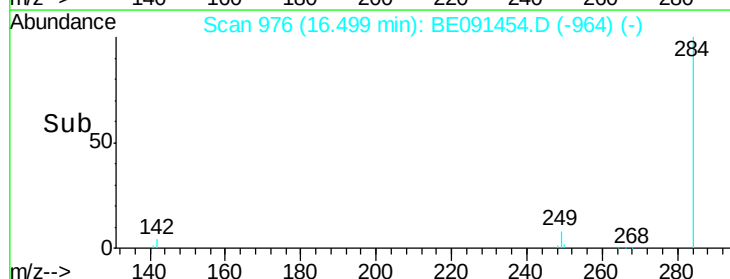
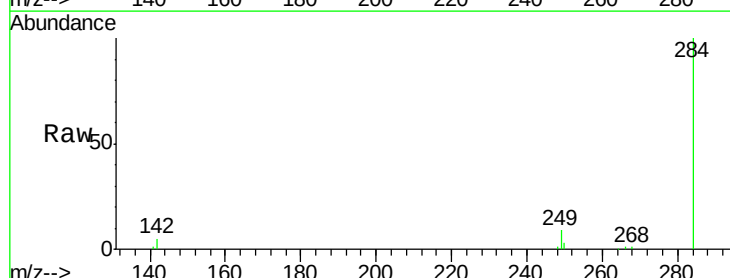
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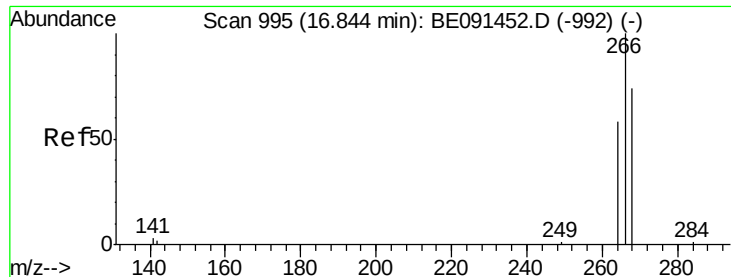
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#14
Hexachlorobenzene
Concen: 1.21 ng
RT: 16.50 min Scan# 976
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	38.4	0.0	0.0#
249	32.4	0.0	0.0#





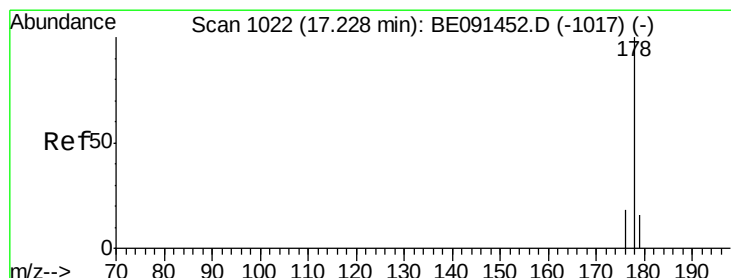
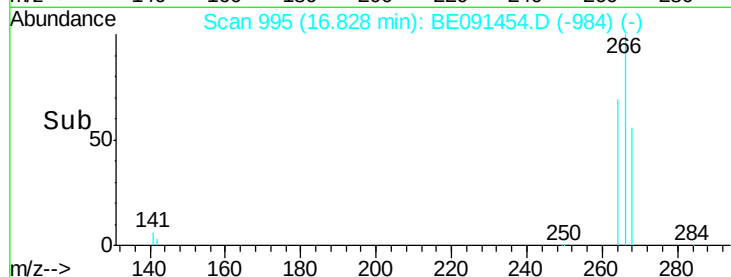
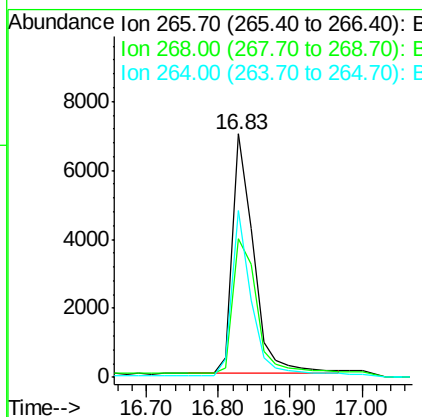
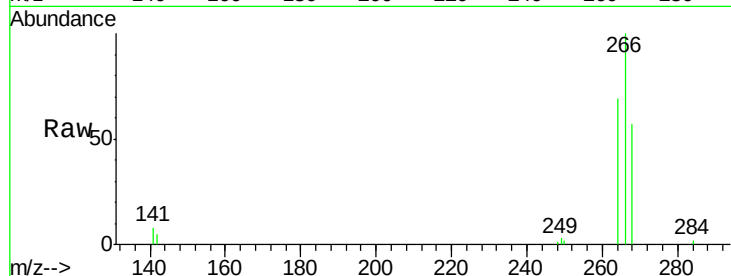
#15
 Pentachlorophenol
 Concen: 2.29 ng
 RT: 16.83 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	56.9	61.0	91.6#
264	68.7	45.7	68.5#

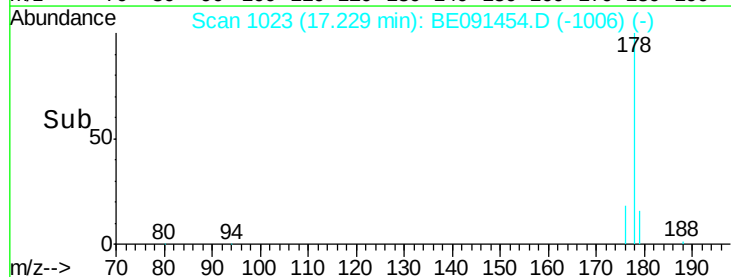
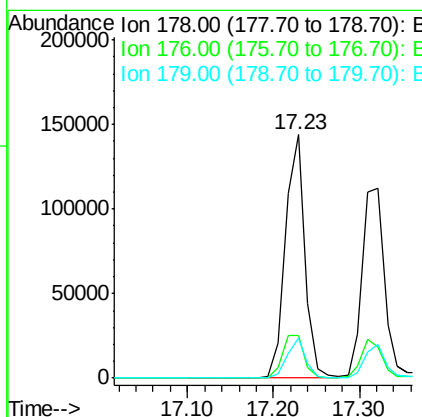
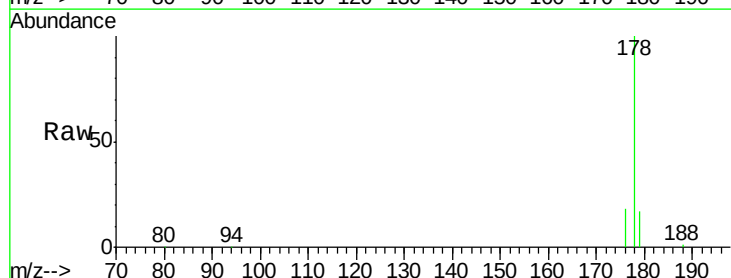
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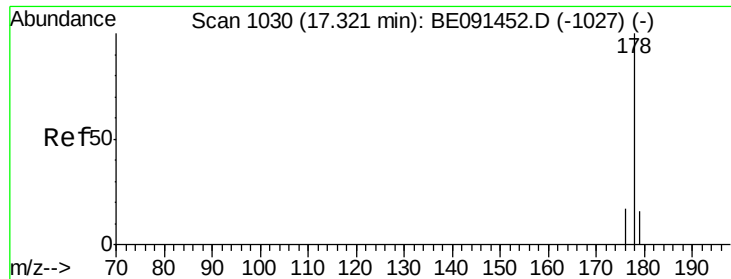
Sohil
 3/17/2016 5:22:19 PM



#16
 Phenanthrene
 Concen: 1.33 ng
 RT: 17.23 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	0.0	0.0#
179	15.7	0.0	0.0#





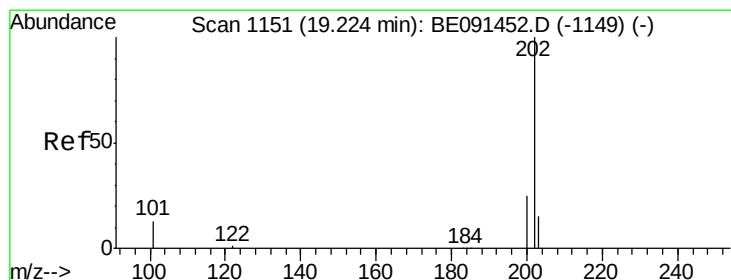
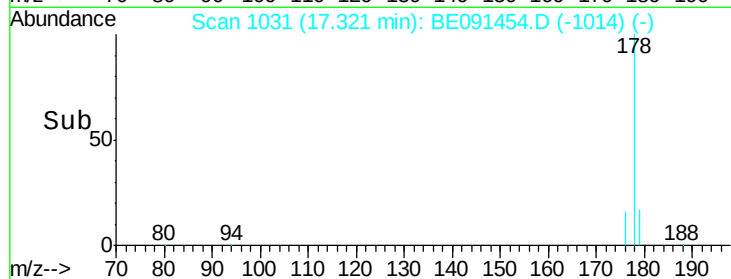
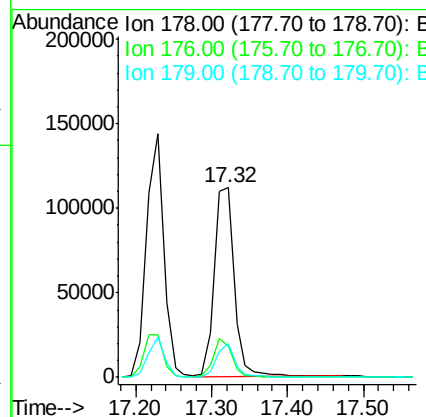
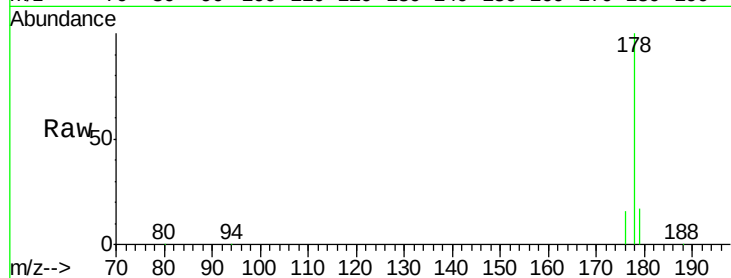
#17
 Anthracene
 Concen: 0.84 ng
 RT: 17.32 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	0.0	0.0#
179	15.6	0.0	0.0#

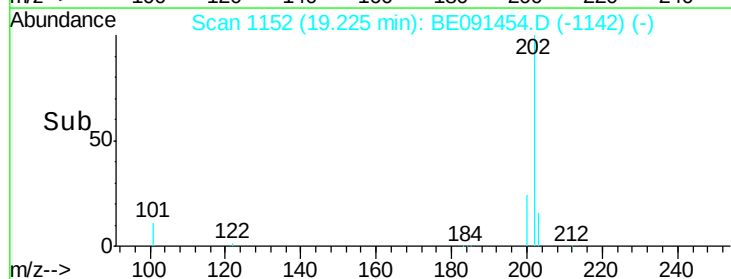
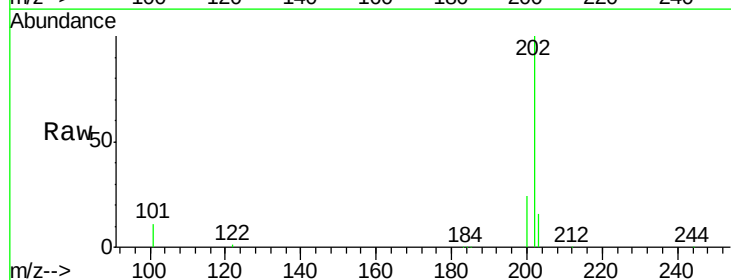
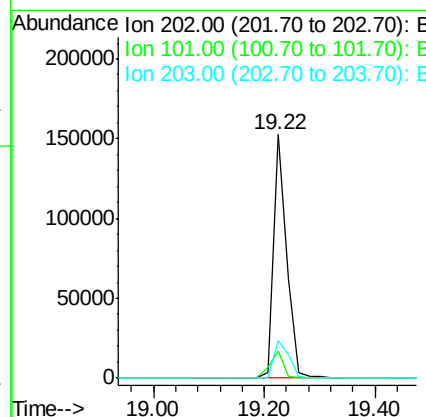
Manual Integrations
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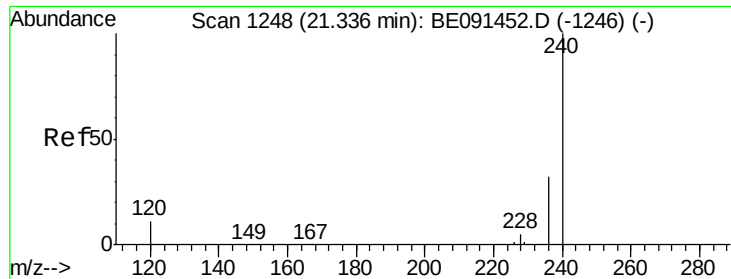
Sohil
 3/17/2016 5:22:19 PM



#18
 Fluoranthene
 Concen: 1.05 ng
 RT: 19.22 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	1.1	1.7#
203	17.7	1.0	1.6#





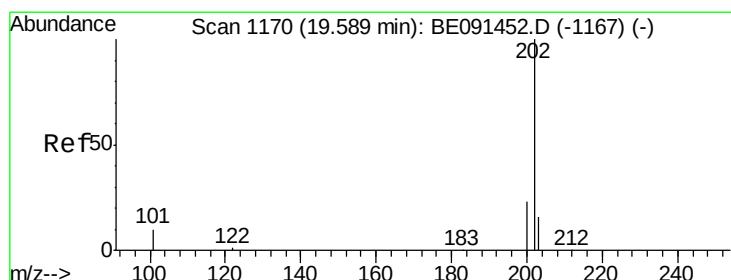
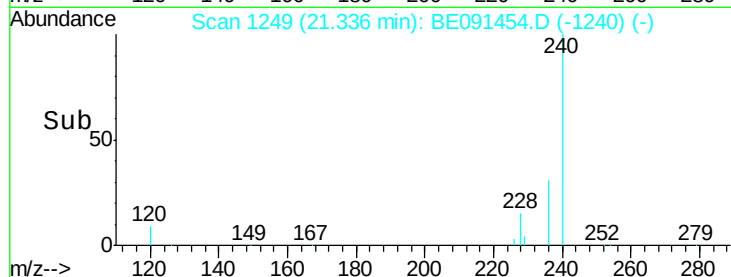
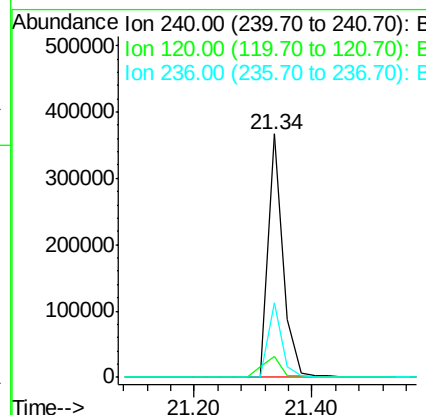
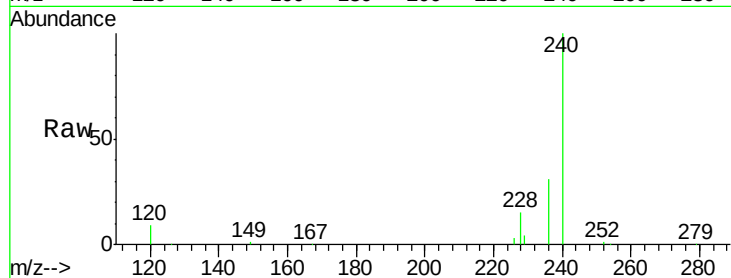
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.8	13.2
236	30.9	25.7	38.5

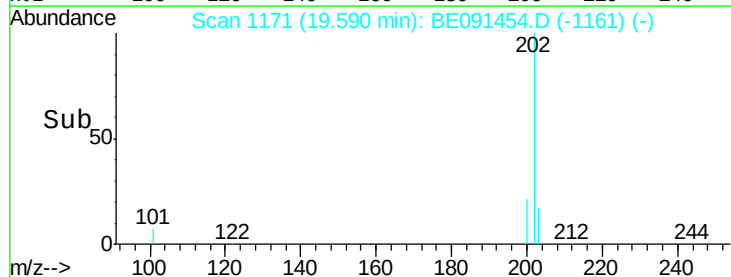
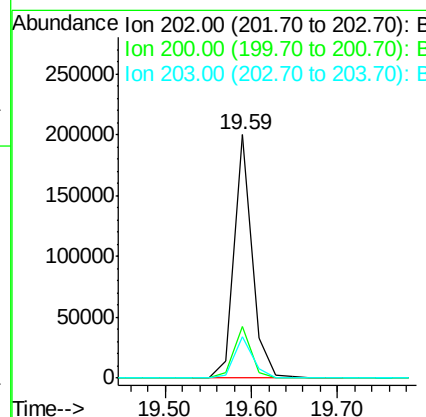
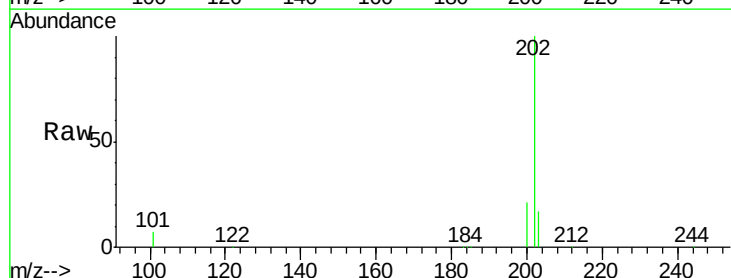
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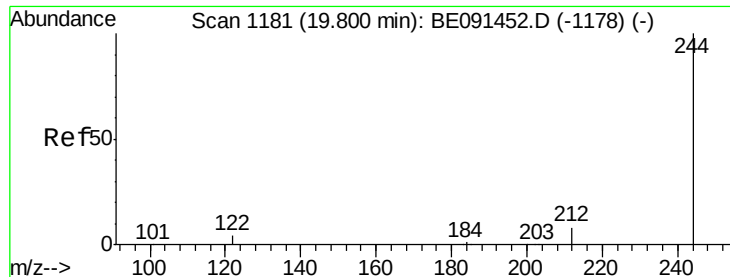
Sohil
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#20
Pyrene
Concen: 1.59 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	0.0#
203	17.6	0.1	0.1#





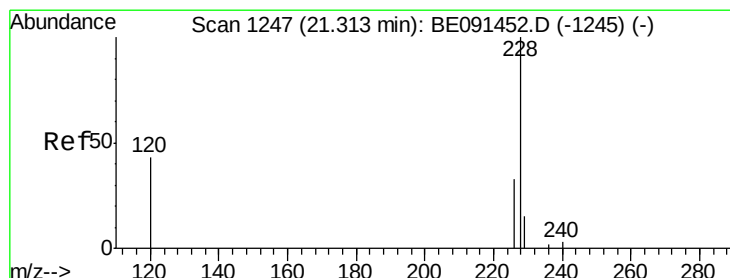
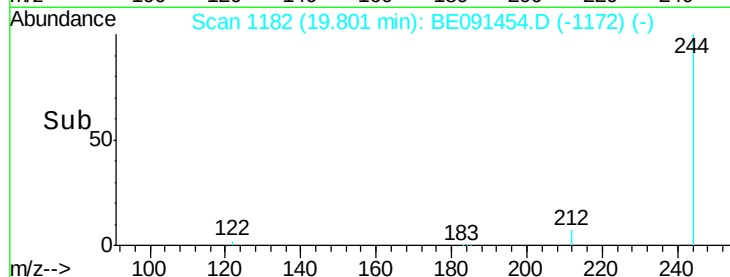
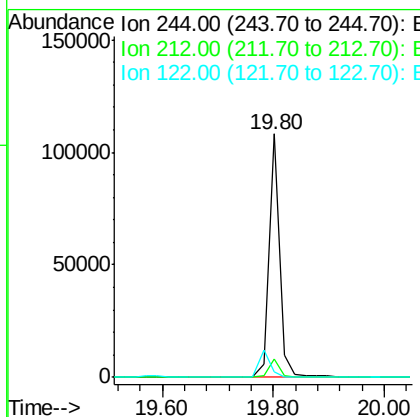
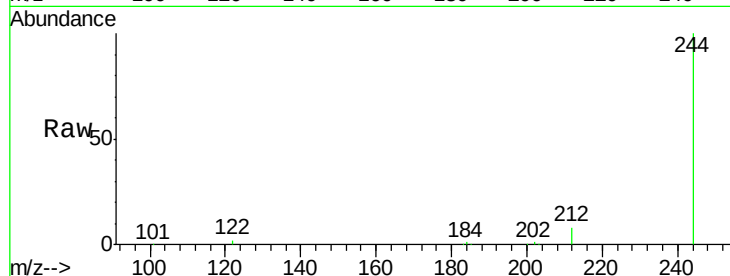
#21
 Terphenyl-d14
 Concen: 1.51 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	6.6	10.0
122	2.4	3.4	5.0

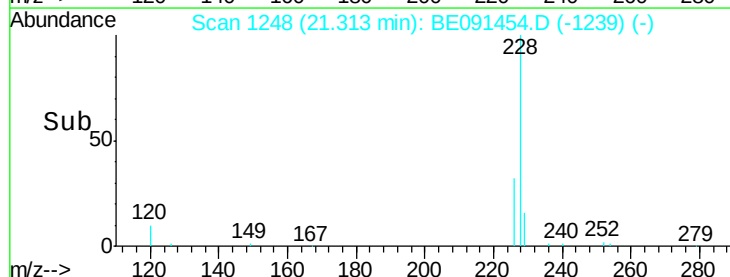
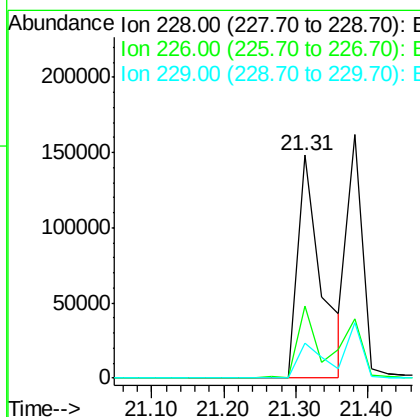
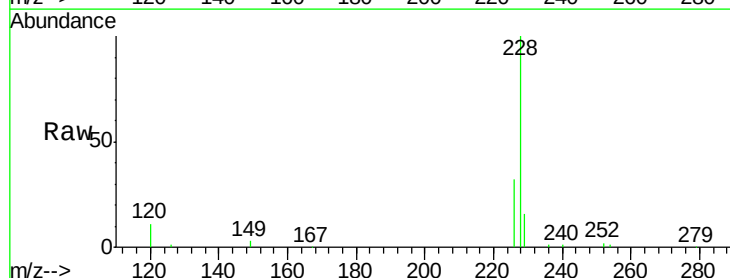
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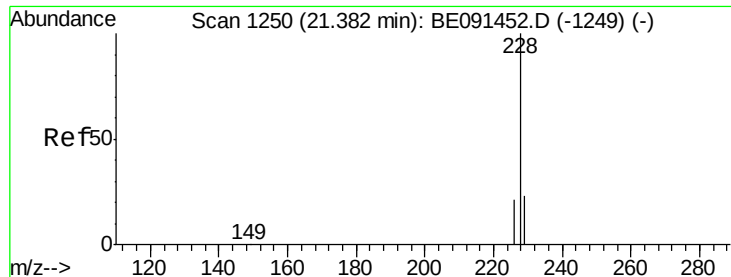
Sohil
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#22
 Benzo(a)anthracene
 Concen: 1.52 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.2	27.1	40.7
229	16.0	12.3	18.5





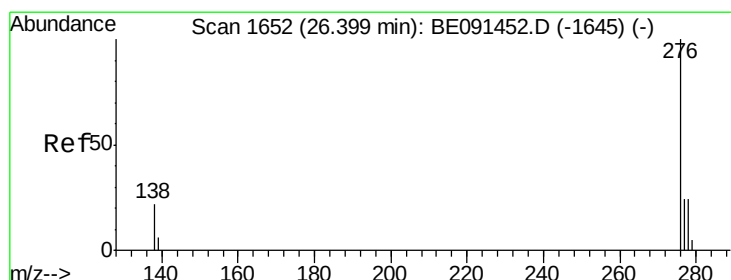
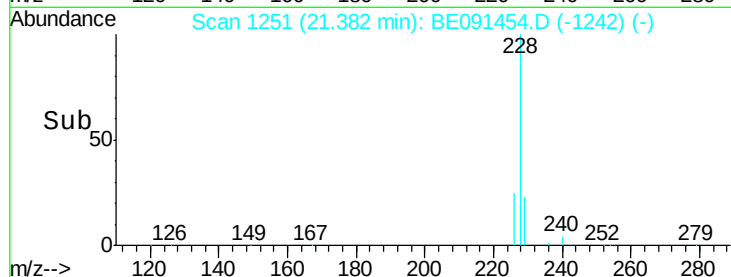
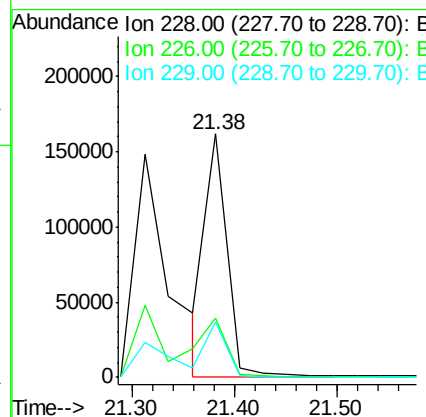
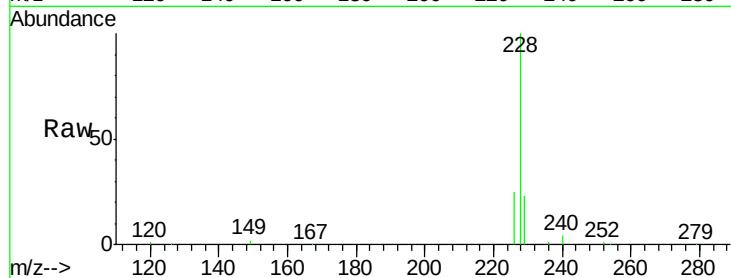
#23
Chrysene
Concen: 1.05 ng m
RT: 21.38 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	242702		
226	24.6	20.3	30.5	
229	23.0	17.4	26.0	

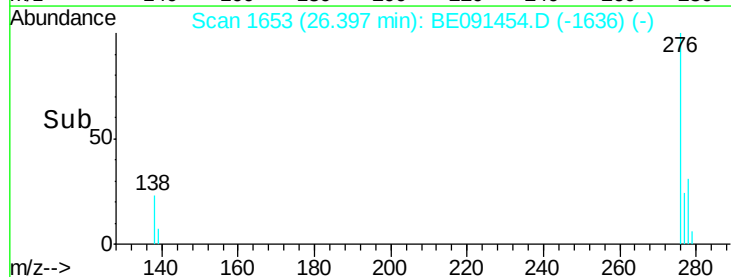
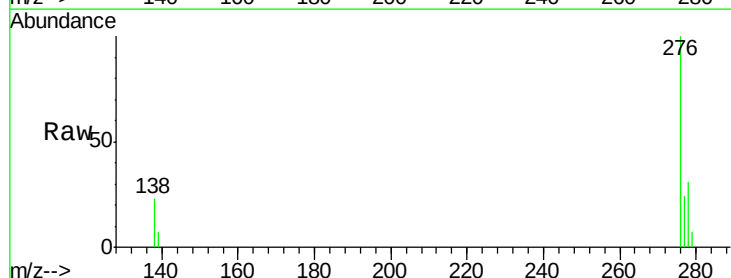
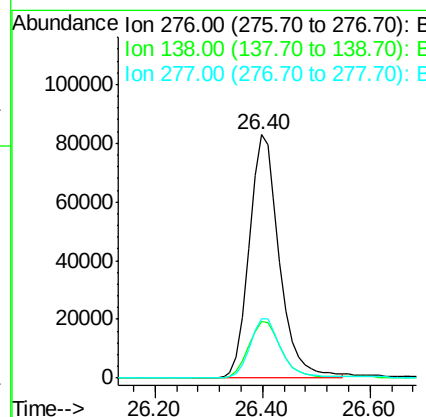
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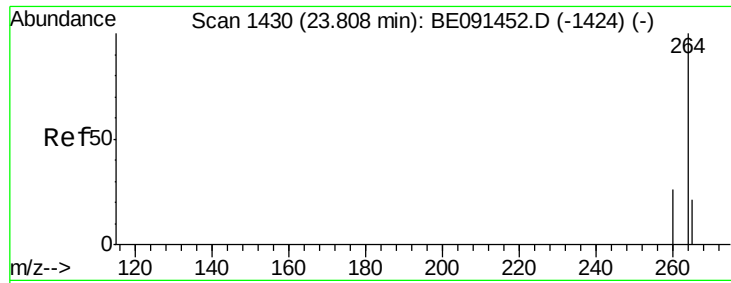
Sohil
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#24
Indeno(1,2,3-cd)pyrene
Concen: 1.63 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	321937		
138	25.0	0.0	0.0#	
277	24.8	0.0	0.0#	





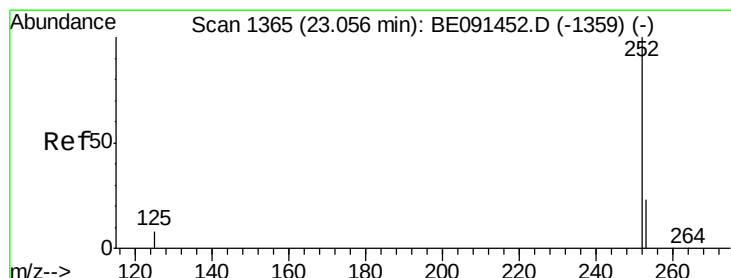
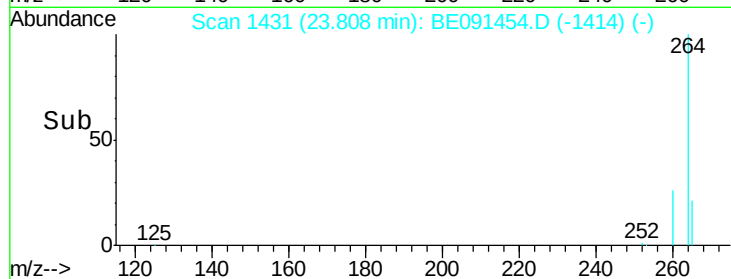
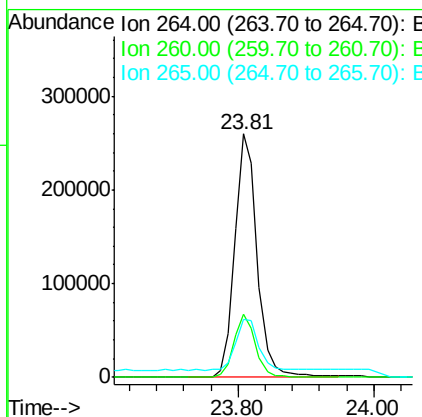
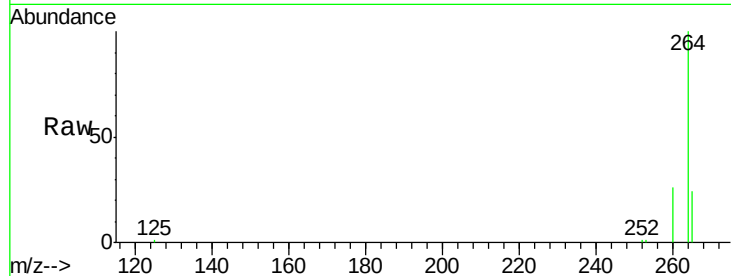
#25
Perylene-d12
 Concen: 5.00 ng
 RT: 23.81 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	596612		
260	26.1	20.7	31.1	
265	23.9	19.4	29.2	

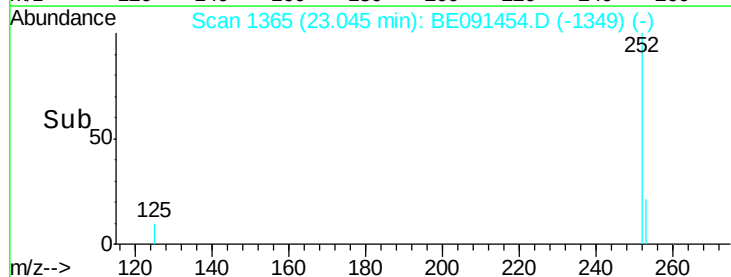
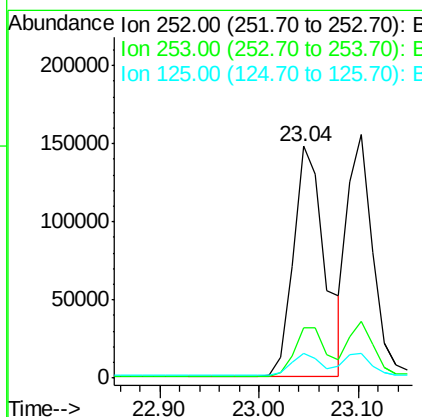
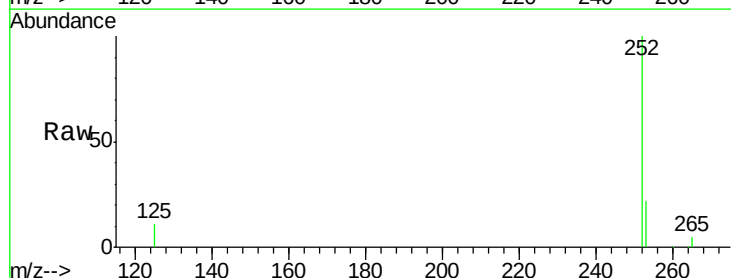
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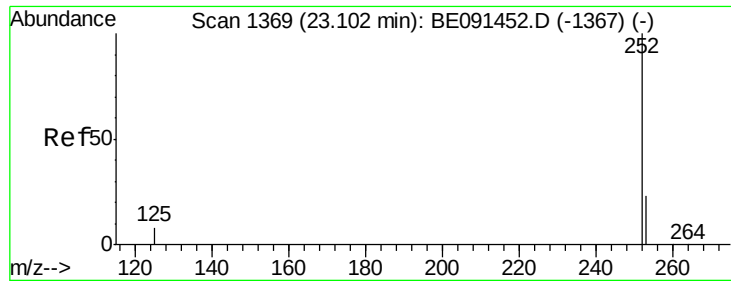
Sohil
 3/17/2016 5:22:19 PM



#26
Benzo(b)fluoranthene
 Concen: 1.86 ng
 RT: 23.04 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BE091454.D
 Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	324621		
253	21.9	20.6	30.8	
125	10.9	10.2	15.4	





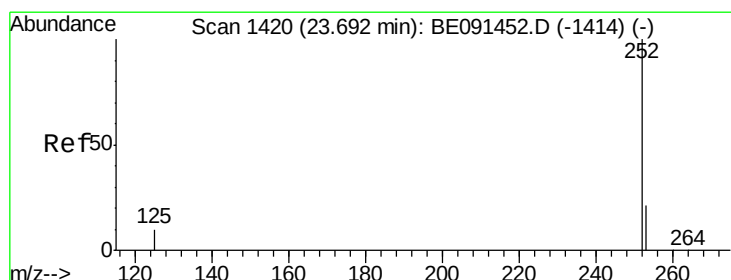
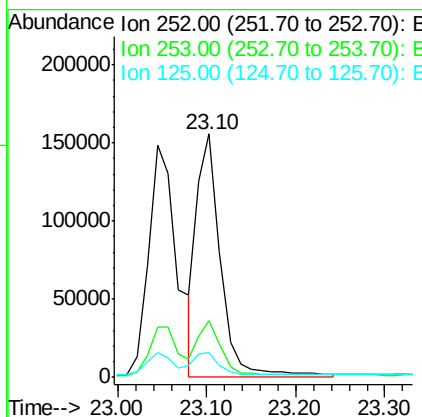
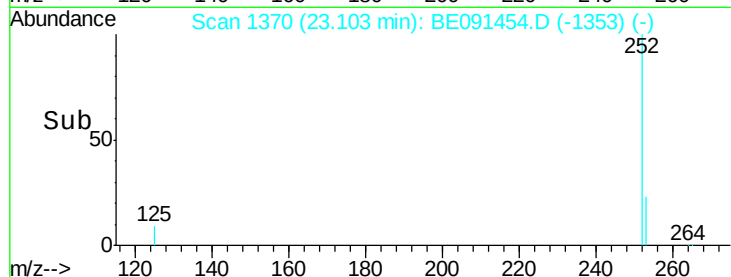
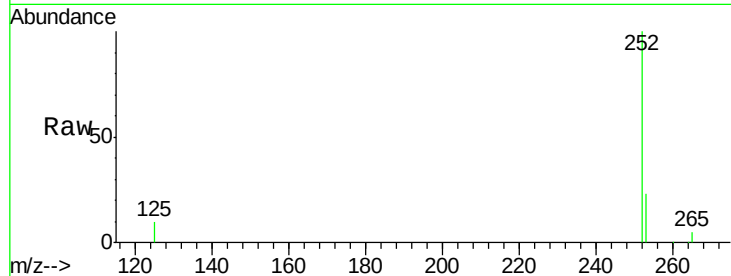
#27
Benzo(k)fluoranthene
Concen: 1.82 ng m
RT: 23.10 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	20.2	30.2
125	10.0	10.6	16.0

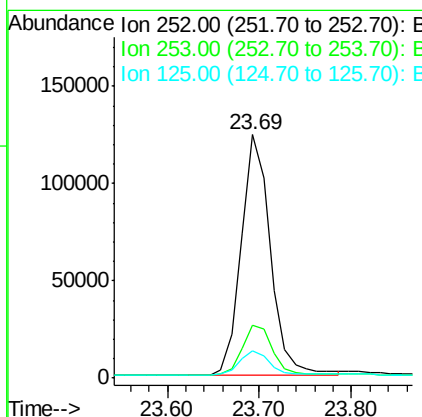
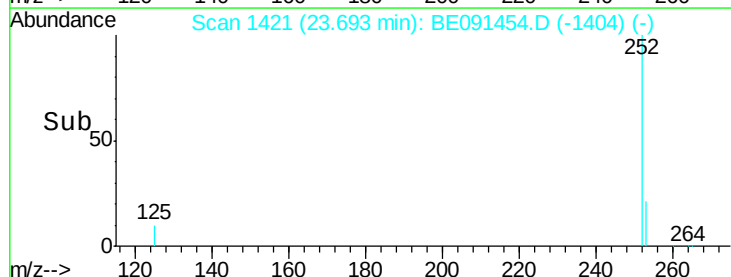
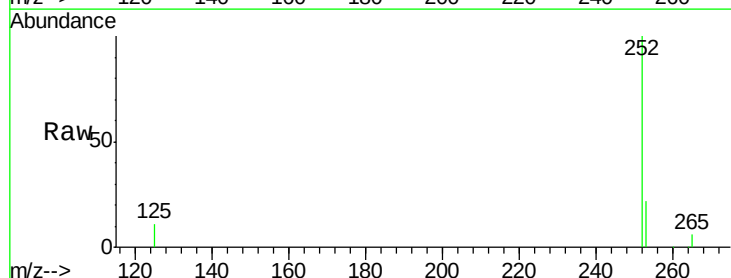
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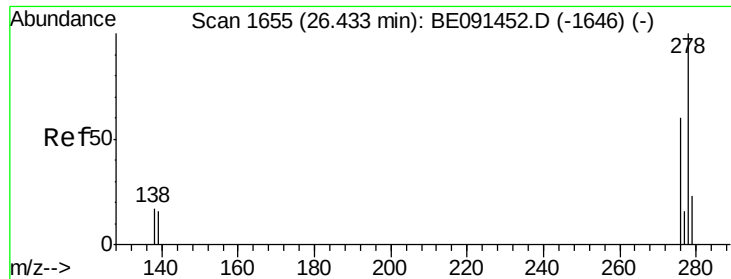
Sohil
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#28
Benzo(a)pyrene
Concen: 1.87 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.8	20.0	30.0
125	11.5	12.7	19.1





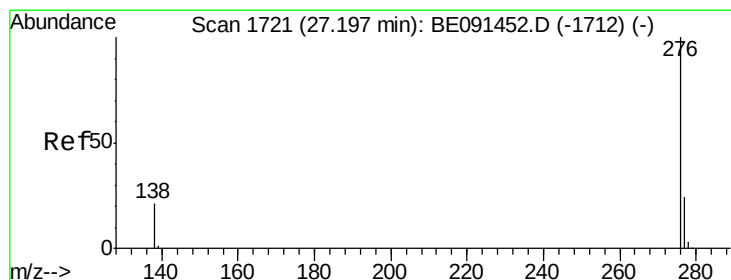
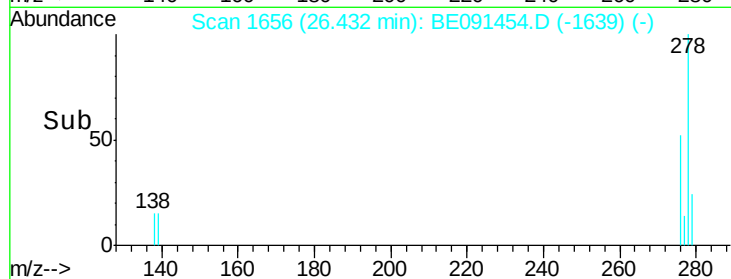
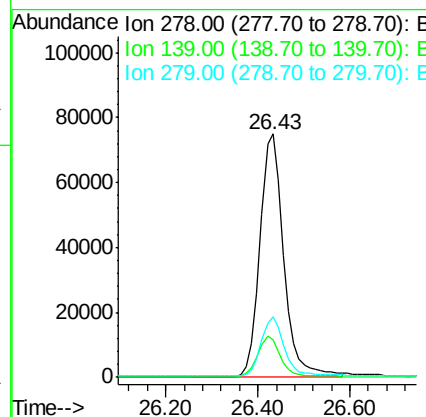
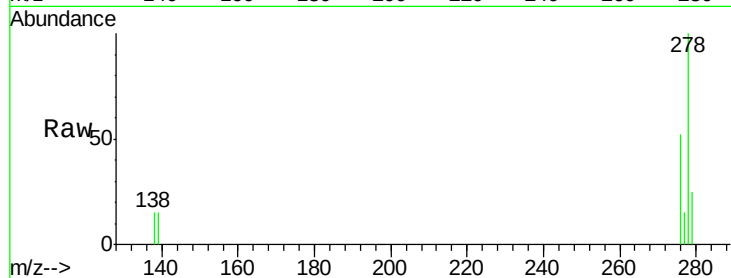
#29
Dibenzo(a,h)anthracene
Concen: 1.90 ng
RT: 26.43 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	15.2	13.3	19.9
279	24.7	20.9	31.3

Manual Integrations
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3/17/2016 5:22:19 PM



#30
Benzo(g,h,i)perylene
Concen: 1.84 ng
RT: 27.20 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BE091454.D
Acq: 16 Mar 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.8	19.8	29.8
138	21.4	17.6	26.4

