

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089410.D
 Acq On : 29 Jan 2015 11:23
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Manual Integrations
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Quant Time: Jan 30 03:37:34 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 02:34:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	130303	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	480975	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	180464	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	350962	5.00	ng	0.00
20) Chrysene-d12	23.84	240	458324	5.00	ng	0.00
27) Perylene-d12	25.55	264	484367	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	9410	0.23	ng	0.00
4) Phenol-d6	8.85	99	11631	0.23	ng	0.00
8) Nitrobenzene-d5	10.84	82	7381	0.21	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	899	0.21	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	10100	0.19	ng	0.00
22) Terphenyl-d14	22.48	244	9512	0.19	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.62	42	3359	0.15	ng	# 12
5) Phenol	8.87	94	12853	0.24	ng	91
6) bis(2-Chloroethyl)ether	9.06	93	9556	0.24	ng	# 100
9) Nitrobenzene	10.89	77	8362	0.21	ng	100
10) 2,4-Dimethylphenol	11.82	122	6178	0.21	ng	97
11) 2,4-Dichlorophenol	12.21	162	4078	0.18	ng	95
12) Hexachlorobutadiene	12.89	225	2986	0.19	ng	98
18) Hexachlorobenzene	19.23	284	3488	0.21	ng	96
19) Pentachlorophenol	19.65	266	236	0.08	ng	# 87
21) Benzidine	22.14	184	5174	0.14	ng	95
23) Benzo(a)anthracene	23.83	228	62449	0.15	ng	92
24) 3,3'-Dichlorobenzidine	23.81	252	3812	0.12	ng	# 92
25) Chrysene	23.87	228	96481	0.19	ng	99
26) Indeno(1,2,3-cd)pyrene	27.05	276	6335m	0.05	ng	
28) Benzo(b)fluoranthene	25.09	252	5413	0.09	ng	# 91
29) Benzo(k)fluoranthene	25.12	252	15671	0.11	ng	# 92
30) Benzo(a)pyrene	25.48	252	6260	0.08	ng	# 91
31) Dibenzo(a,h)anthracene	27.08	278	5676m	0.07	ng	

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

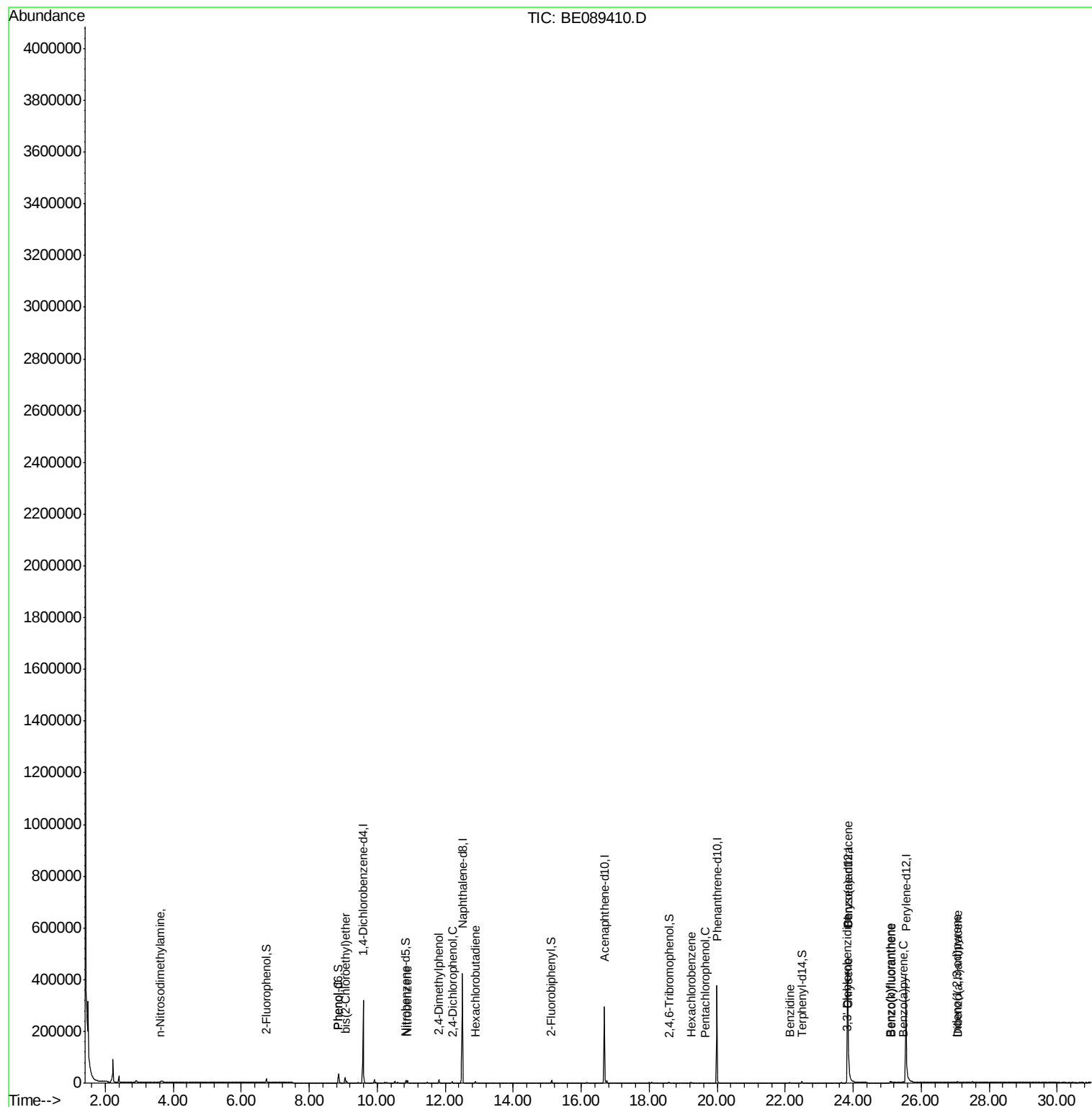
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
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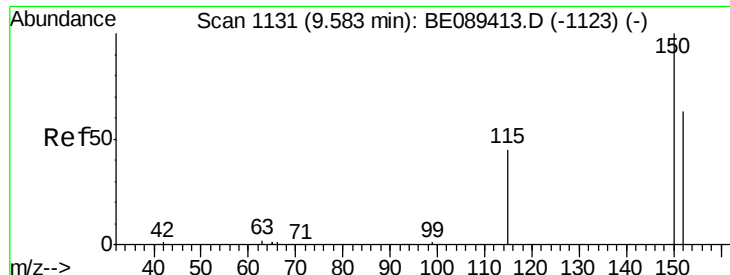
Instrument :
BNA_E
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SSTDICC0.2

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089410.D

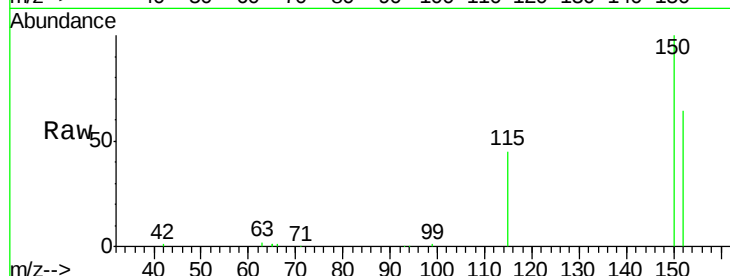
Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2



Tgt Ion: 152 Resp: 130303

Ion Ratio Lower Upper

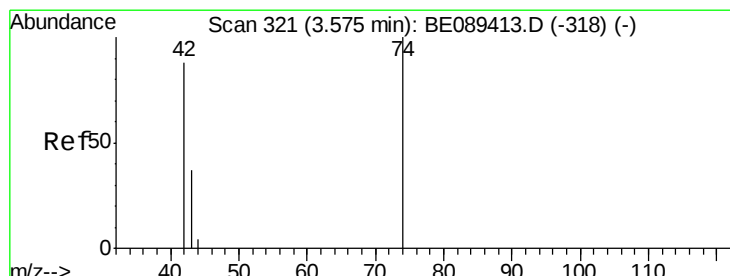
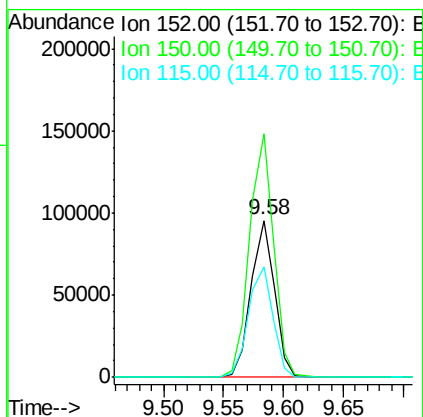
152 100

150 155.5 126.1 189.1

115 70.6 57.1 85.7

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#2

n-Nitrosodimethylamine

Concen: 0.15 ng

RT: 3.62 min Scan# 328

Delta R.T. 0.05 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

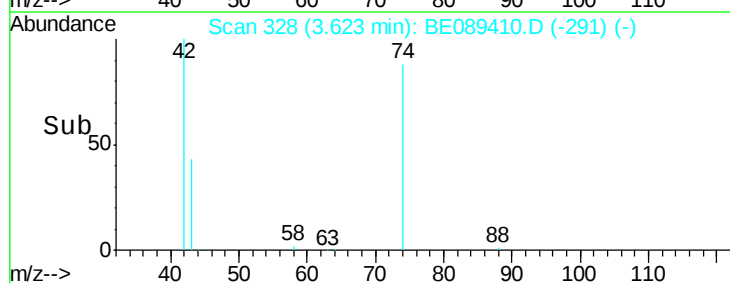
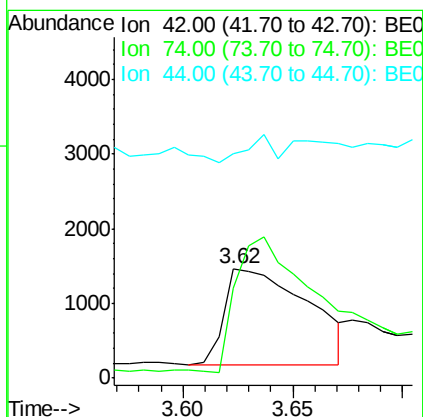
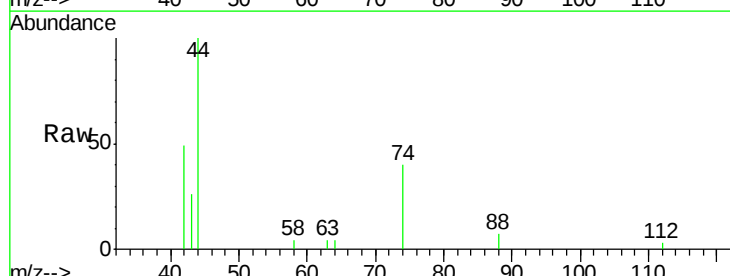
Tgt Ion: 42 Resp: 3359

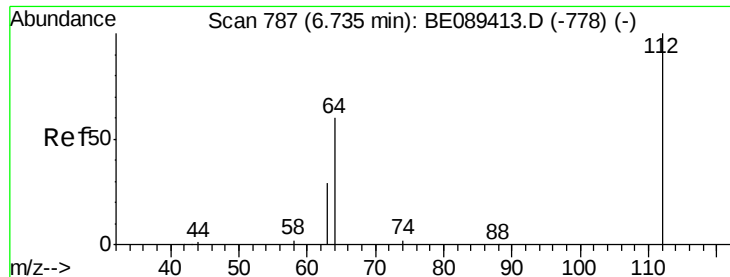
Ion Ratio Lower Upper

42 100

74 81.6 90.2 135.2#

44 204.6 19.4 29.2#





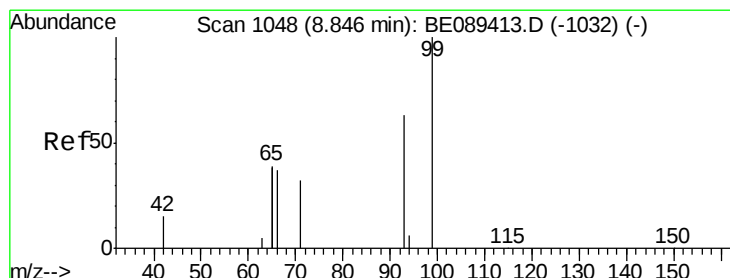
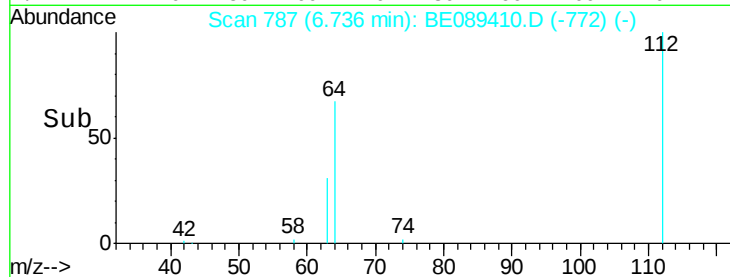
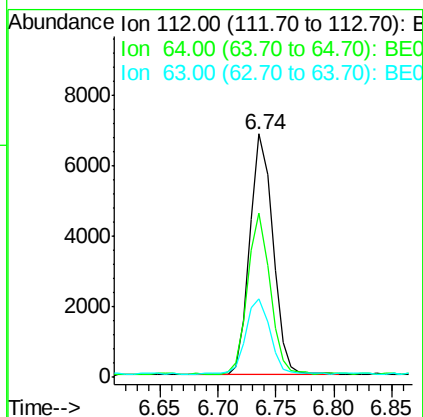
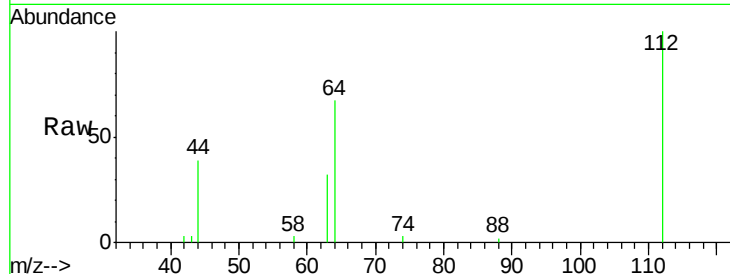
#3
 2-Fluorophenol
 Concen: 0.23 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	9410		
64	67.4	48.2	72.4	
63	32.2	23.5	35.3	

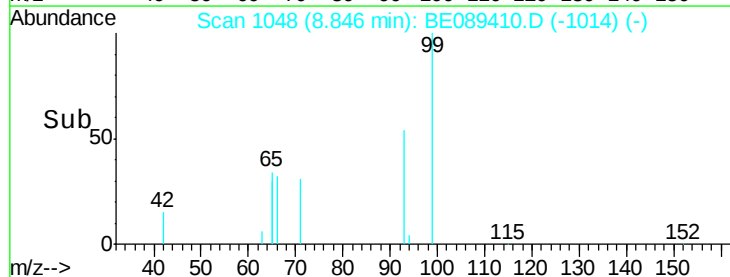
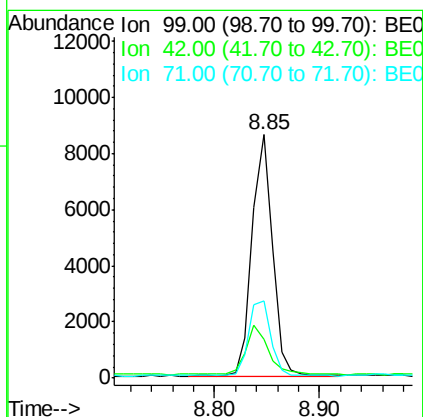
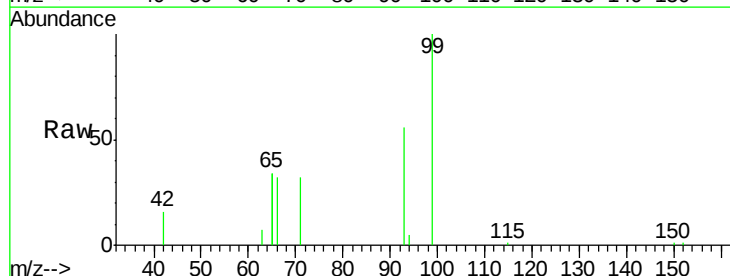
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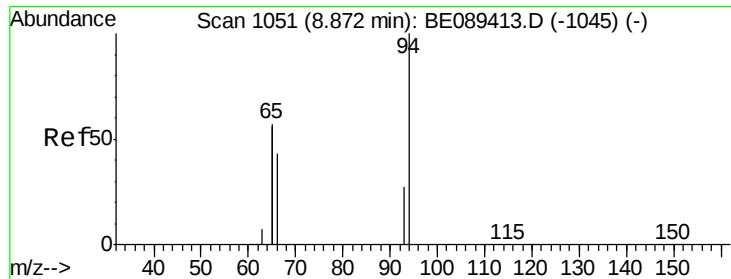
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#4
 Phenol-d6
 Concen: 0.23 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	11631		
42	16.1	11.9	17.9	
71	31.6	25.8	38.6	





#5

Phenol

Concen: 0.24 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

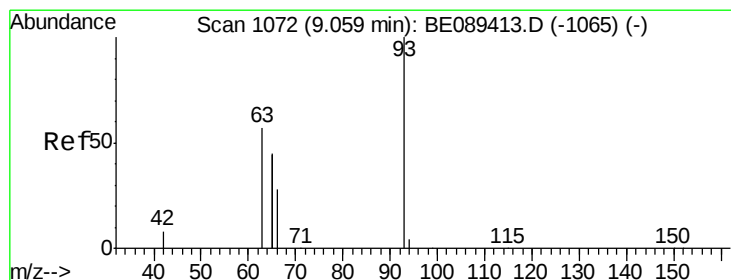
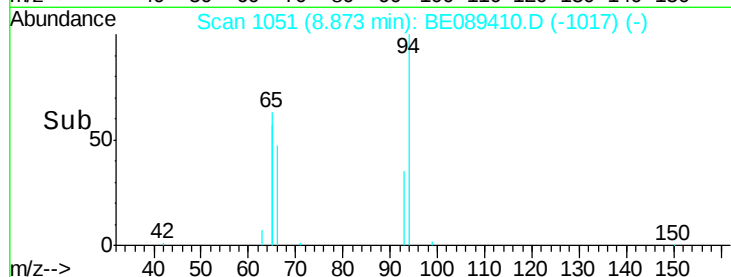
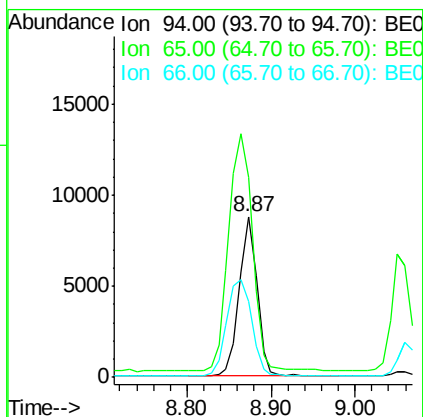
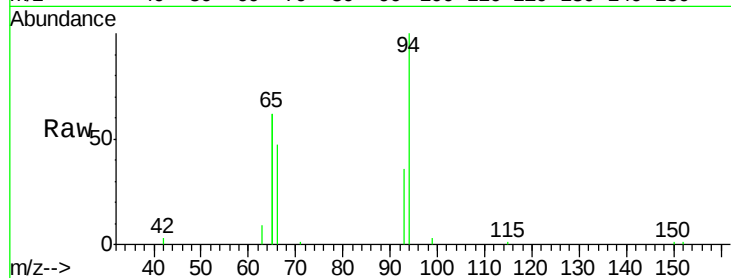
LabSampleId :

SSTDICC0.2

Tgt Ion:	94	Resp:	12853
Ion	Ratio	Lower	Upper
94	100		
65	124.0	93.3	133.3
66	47.1	23.6	63.6

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#6

bis(2-Chloroethyl)ether

Concen: 0.24 ng

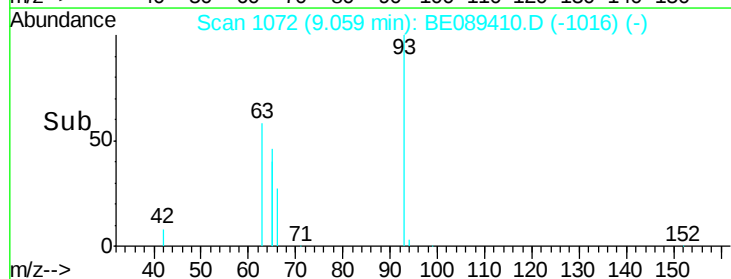
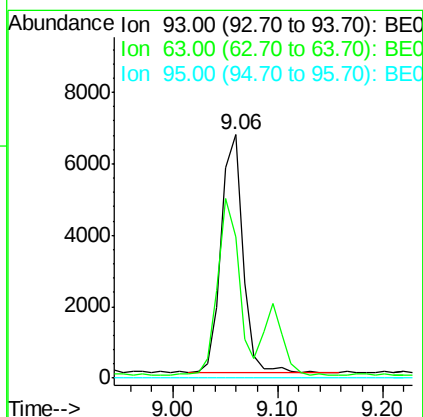
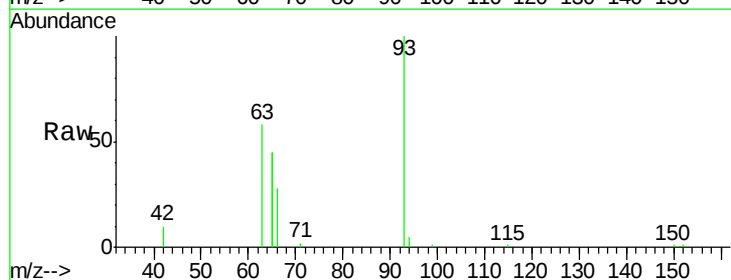
RT: 9.06 min Scan# 1072

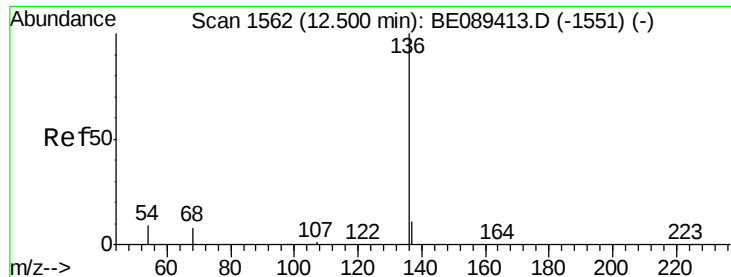
Delta R.T. 0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Tgt Ion:	93	Resp:	9556
Ion	Ratio	Lower	Upper
93	100		
63	73.2	58.6	88.0
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

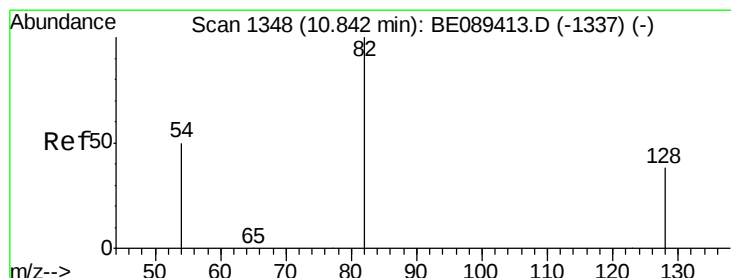
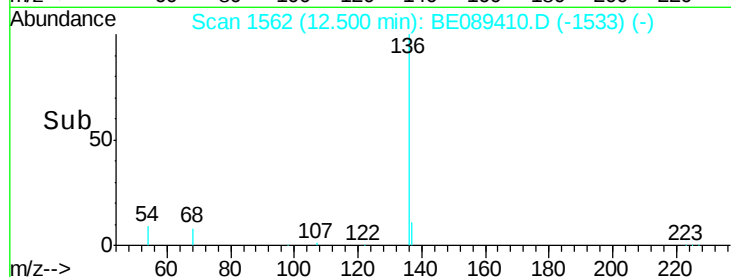
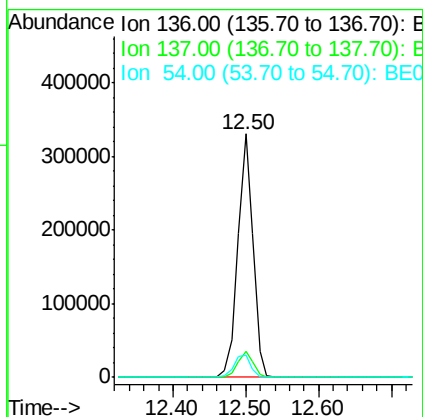
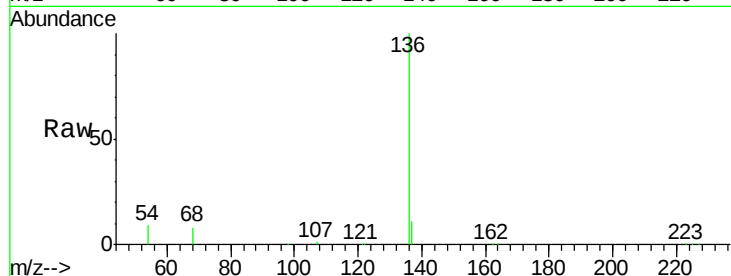
LabSampleId :

SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	480975		
137	10.7	8.6	12.8	
54	9.1	7.5	11.3	

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#8

Nitrobenzene-d5

Concen: 0.21 ng

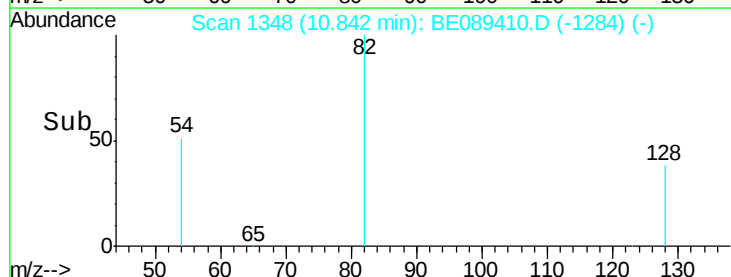
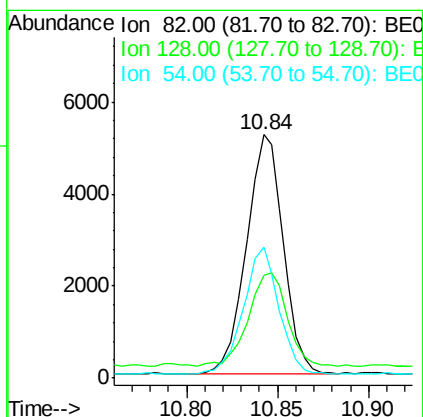
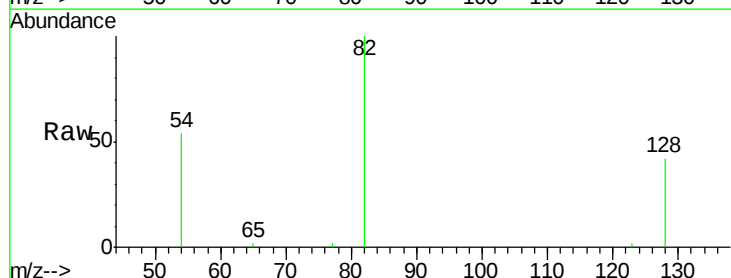
RT: 10.84 min Scan# 1348

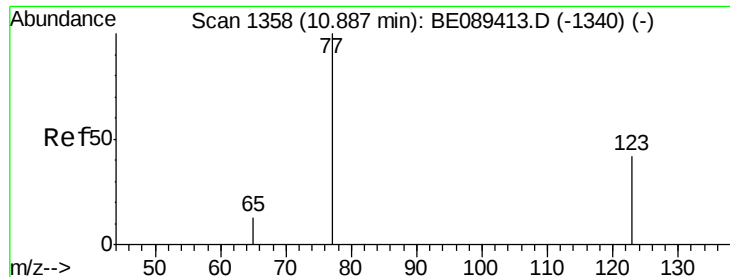
Delta R.T. 0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	7381		
128	42.4	31.0	46.4	
54	53.7	39.8	59.6	





#9

Nitrobenzene

Concen: 0.21 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089410.D

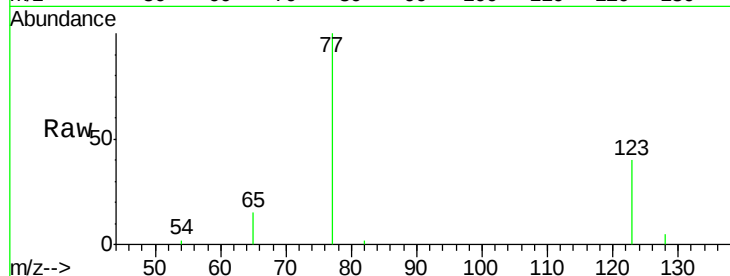
Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2



Tgt Ion: 77 Resp: 8362

Ion Ratio Lower Upper

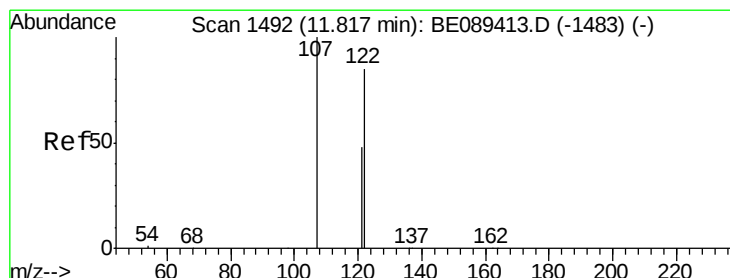
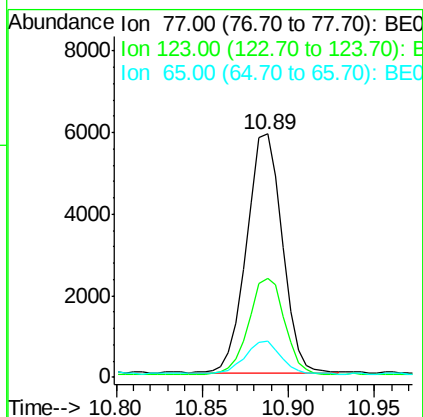
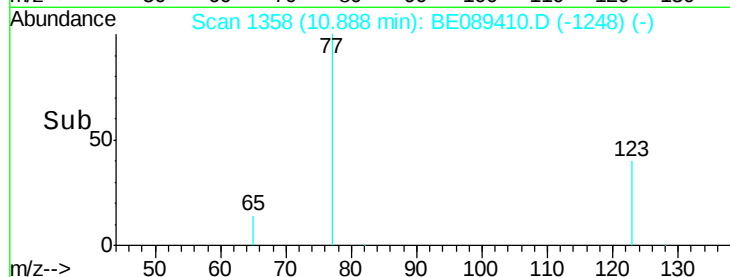
77 100

123 41.0 32.8 49.2

65 13.8 11.0 16.6

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#10

2,4-Dimethylphenol

Concen: 0.21 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

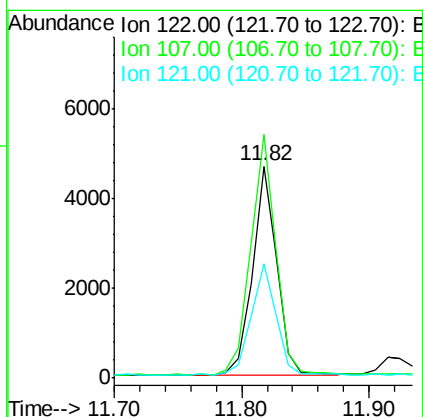
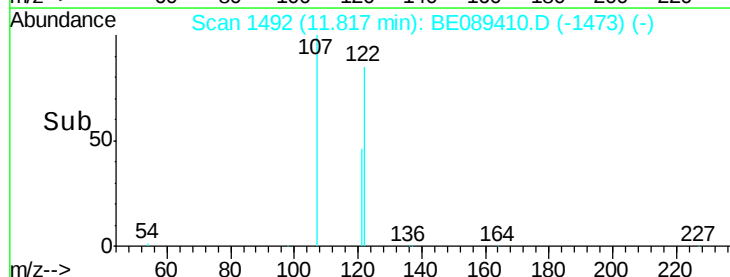
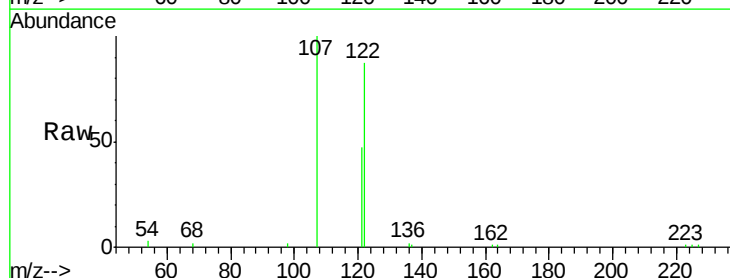
Tgt Ion: 122 Resp: 6178

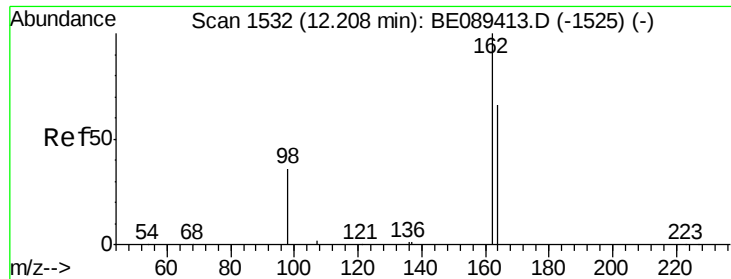
Ion Ratio Lower Upper

122 100

107 115.1 94.6 142.0

121 54.0 45.8 68.6





#11

2,4-Dichlorophenol

Concen: 0.18 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

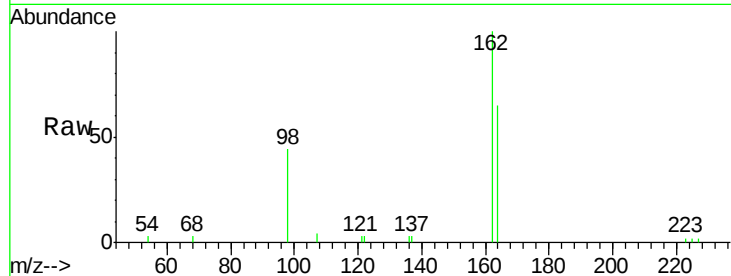
LabSampleId :

SSTDIC0.2

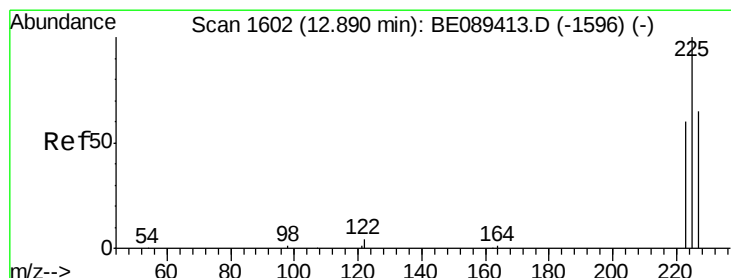
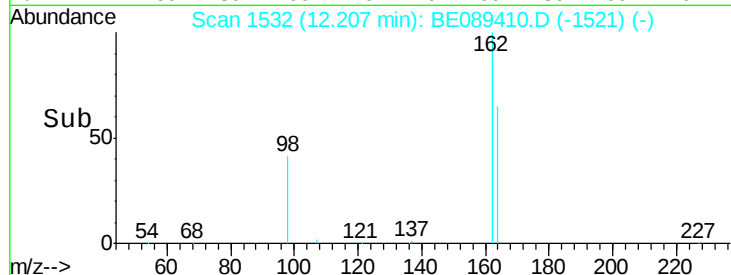
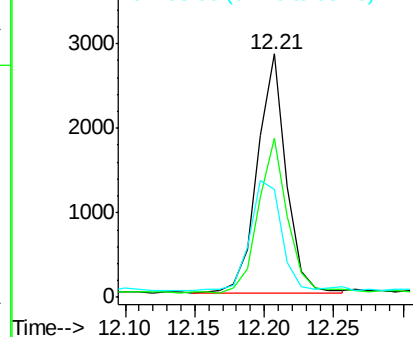
Tgt Ion:	162	Resp:	4078
Ion Ratio	Lower	Upper	
162	100		
164	65.5	46.1	86.1
98	44.1	16.2	56.2

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E



#12

Hexachlorobutadiene

Concen: 0.19 ng

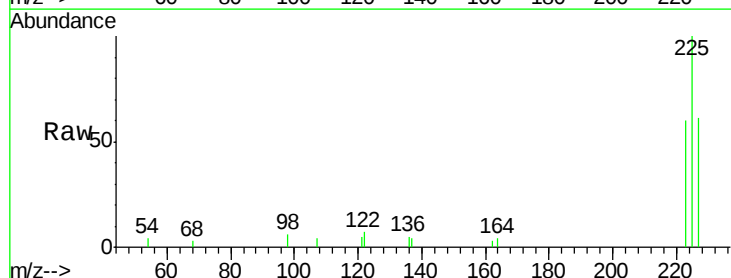
RT: 12.89 min Scan# 1602

Delta R.T. -0.00 min

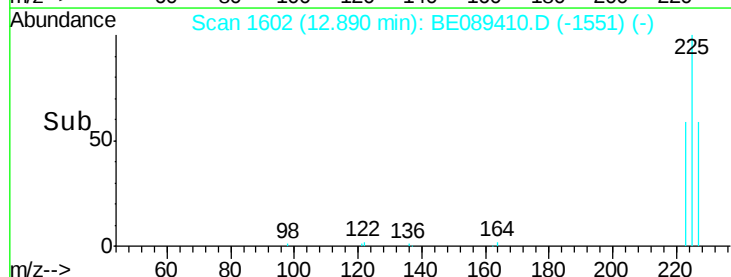
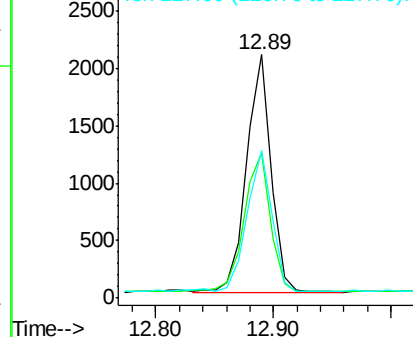
Lab File: BE089410.D

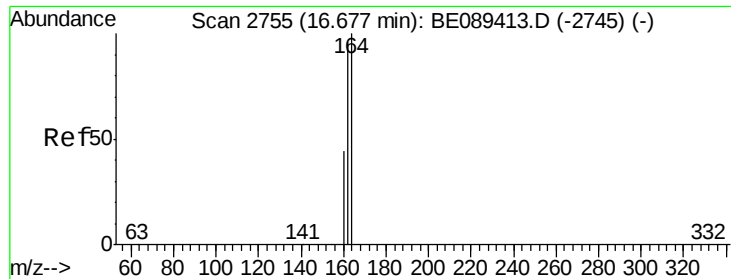
Acq: 29 Jan 2015 11:23

Tgt Ion:	225	Resp:	2986
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.4	75.6
227	59.8	50.2	75.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





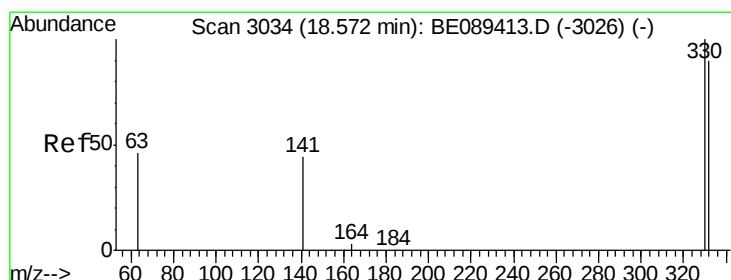
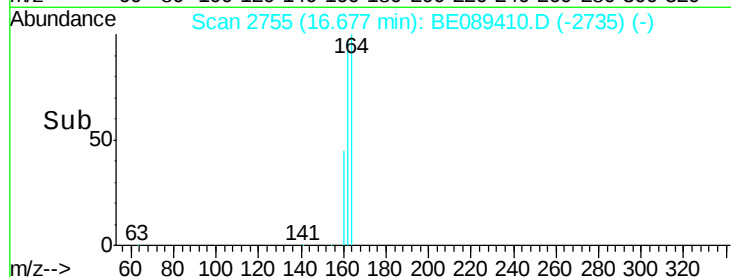
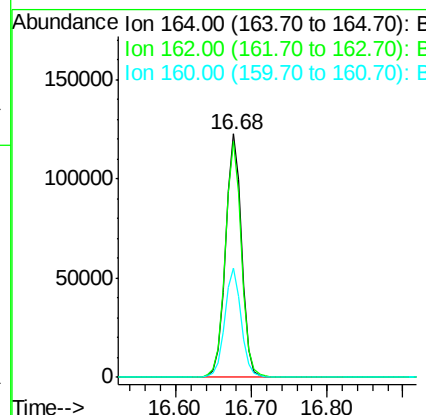
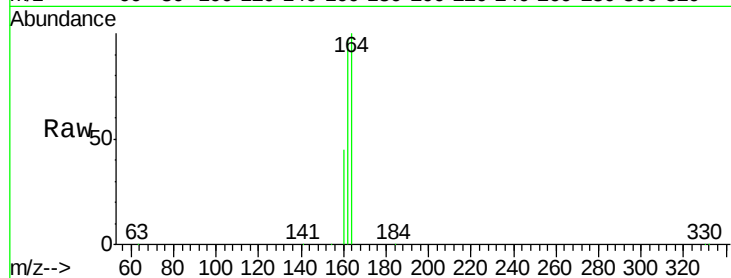
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.68 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180464		
162	96.8	77.0	115.6	
160	44.7	35.0	52.4	

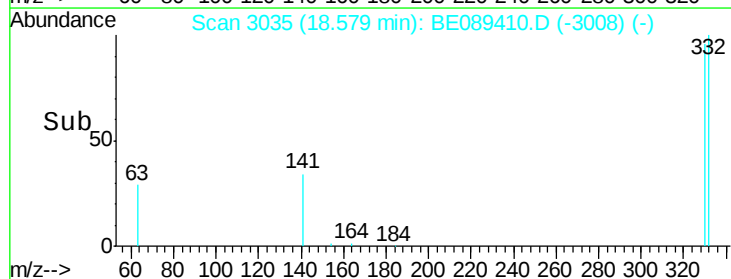
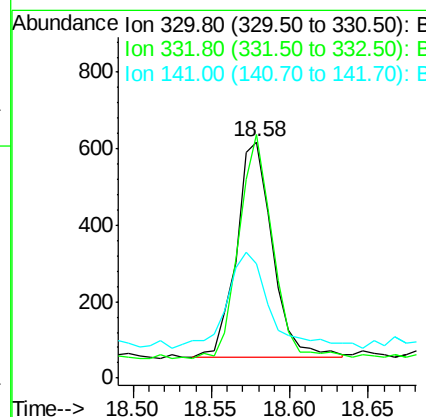
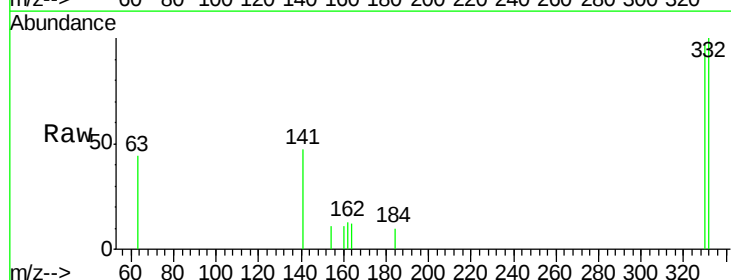
Manual Integrations
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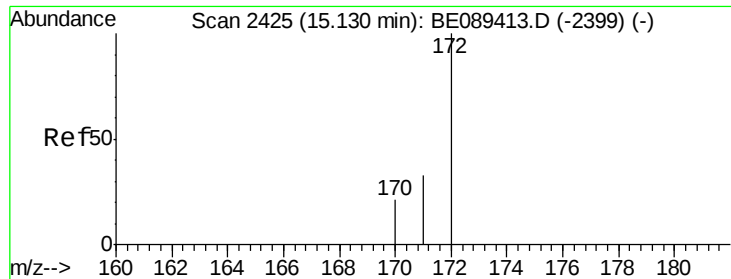
apatel
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#14
2,4,6-Tribromophenol
Concen: 0.21 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.01 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	899		
332	97.8	76.0	114.0	
141	54.1	35.6	53.4#	





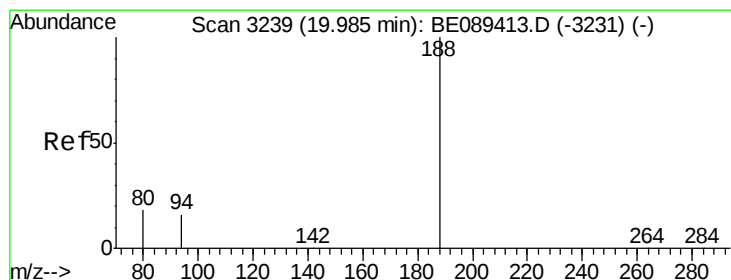
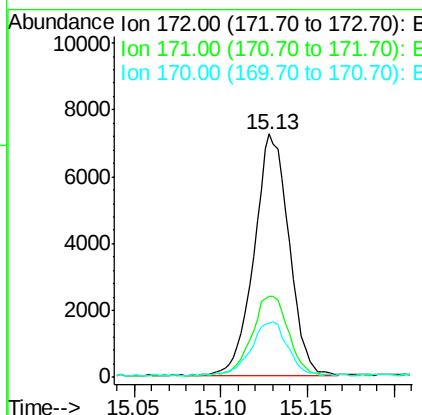
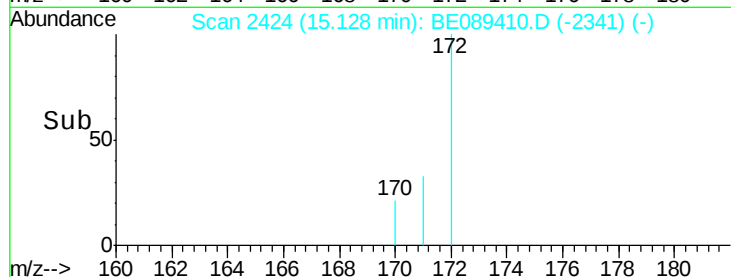
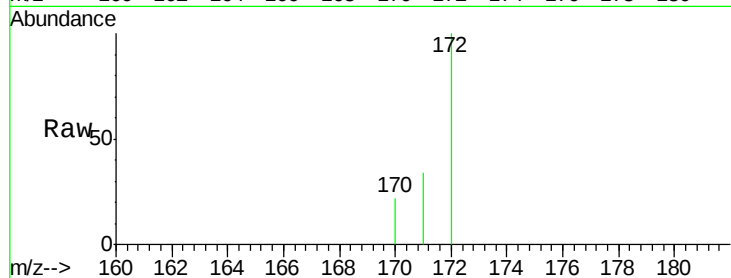
#15
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 15.13 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.6	39.8
170	22.1	17.1	25.7

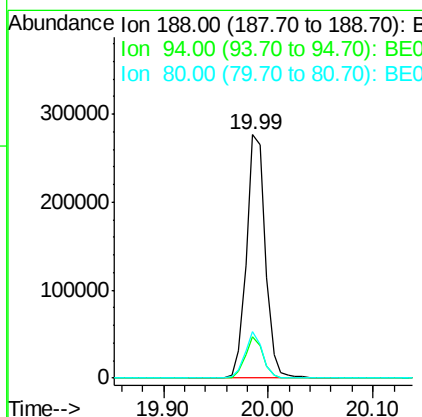
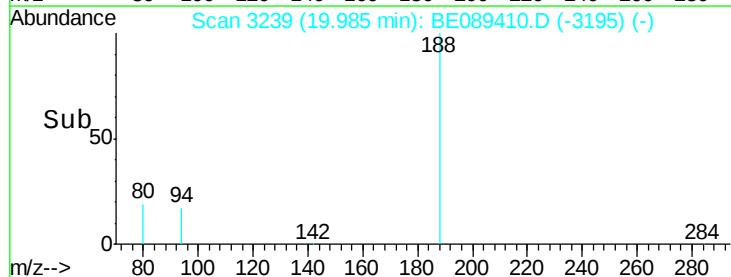
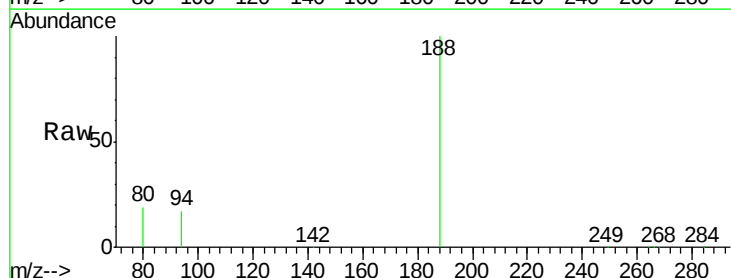
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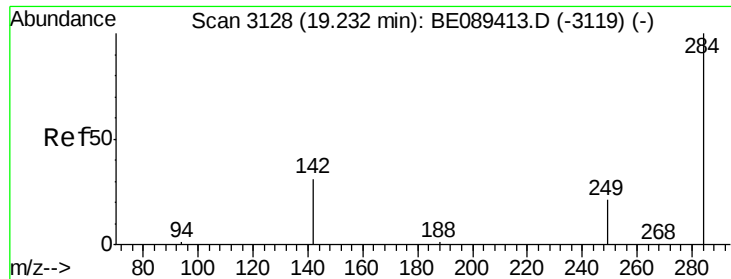
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#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.2	13.0	19.6
80	18.8	14.2	21.4





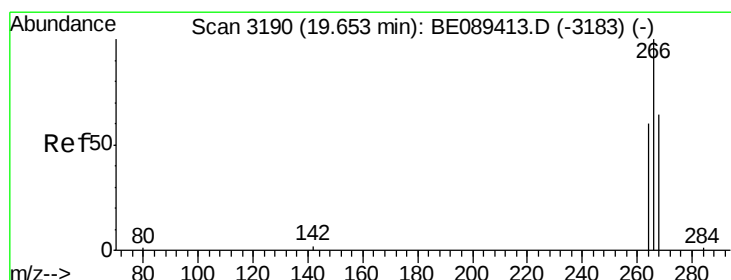
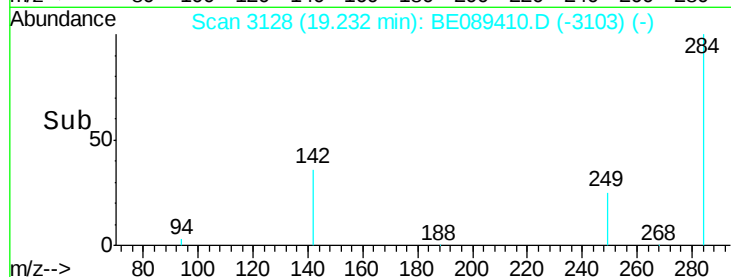
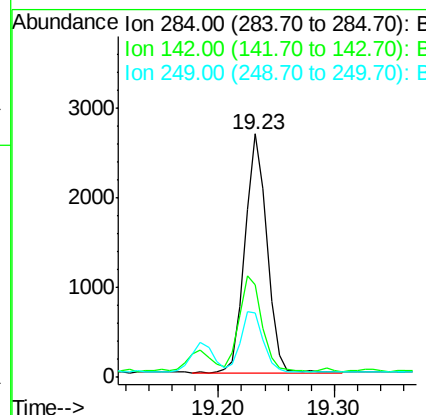
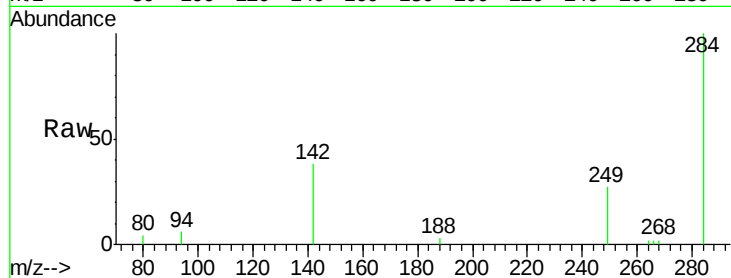
#18
Hexachlorobenzene
Concen: 0.21 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.0	28.3	42.5
249	26.6	19.9	29.9

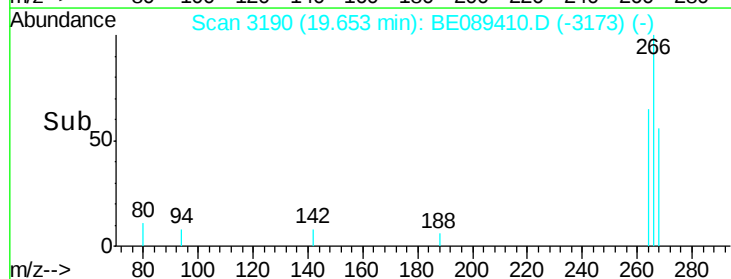
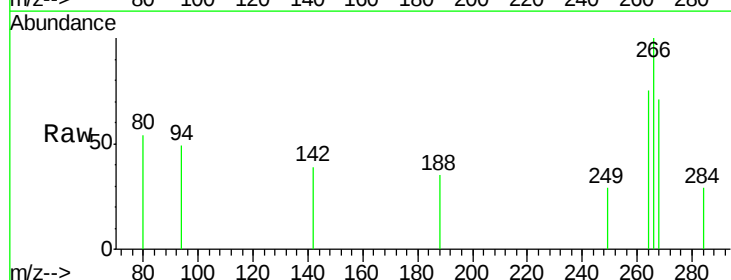
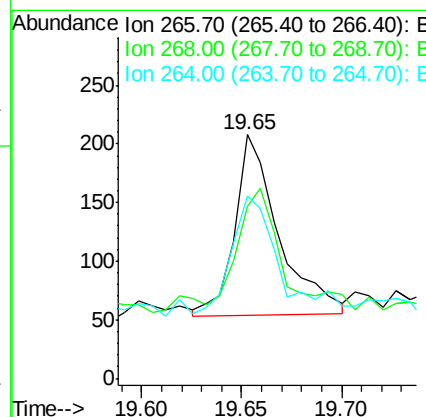
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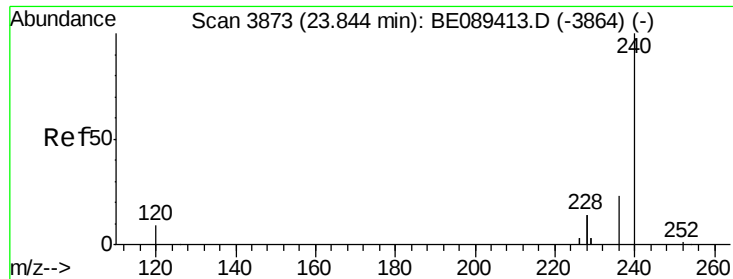
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#19
Pentachlorophenol
Concen: 0.08 ng
RT: 19.65 min Scan# 3190
Delta R.T. -0.00 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	70.7	51.9	77.9
264	75.0	48.5	72.7





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BE089410.D

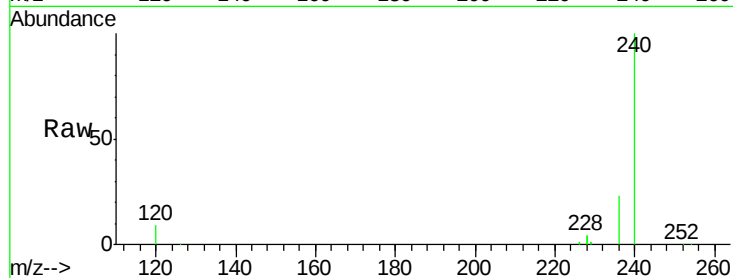
Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

LabSampleId :

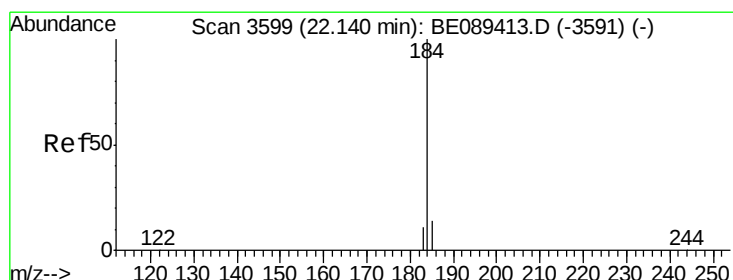
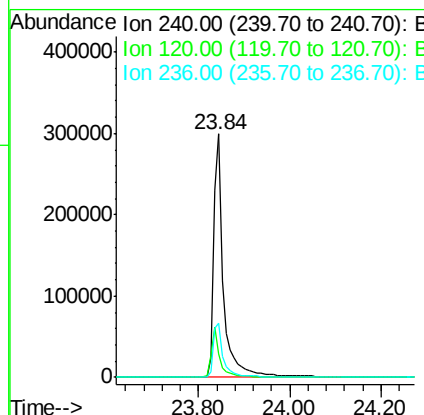
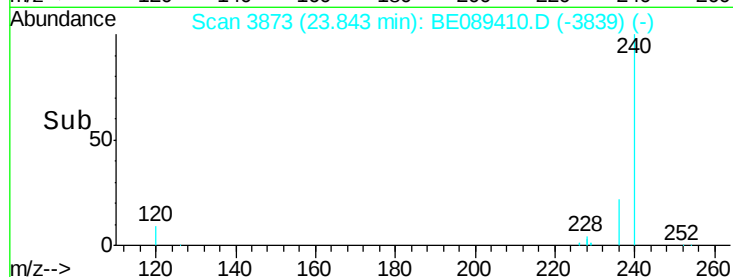
SSTDICC0.2



Tgt Ion:	240	Resp:	458324
Ion Ratio	Lower	Upper	
240	100		
120	9.4	6.9	10.3
236	22.5	18.2	27.2

Manual Integrations
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#21

Benzidine

Concen: 0.14 ng

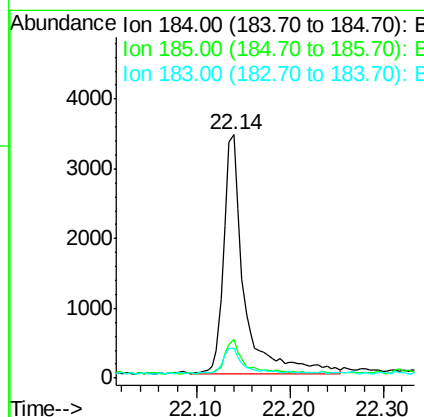
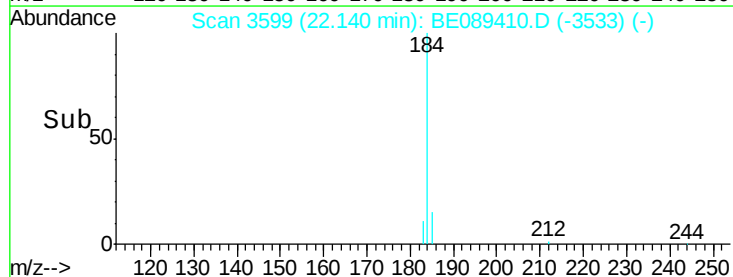
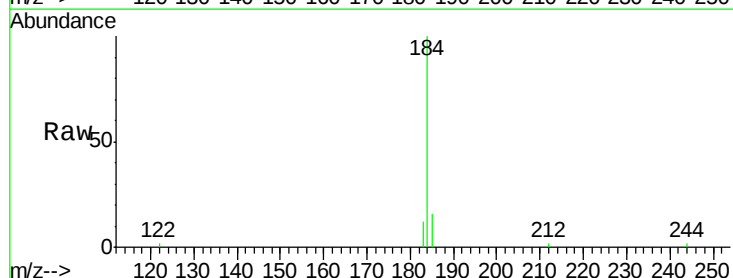
RT: 22.14 min Scan# 3599

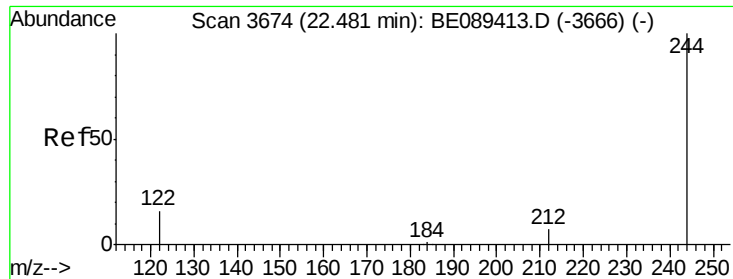
Delta R.T. -0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Tgt Ion:	184	Resp:	5174
Ion Ratio	Lower	Upper	
184	100		
185	16.0	11.0	16.6
183	12.3	8.6	13.0





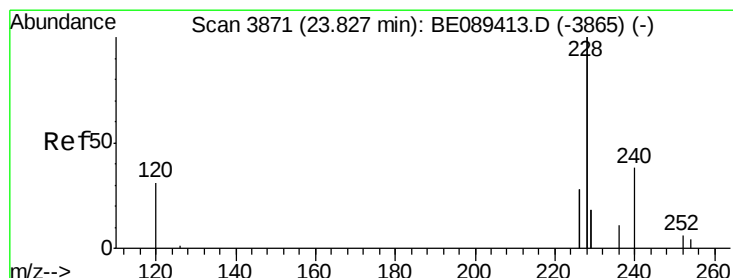
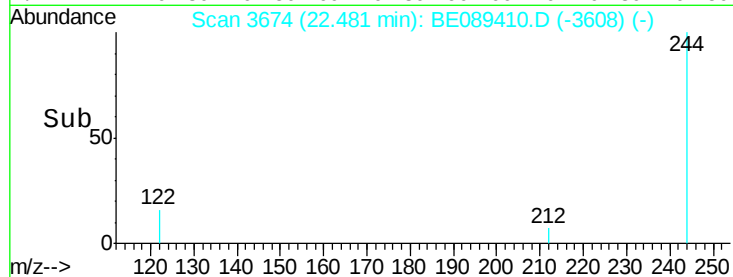
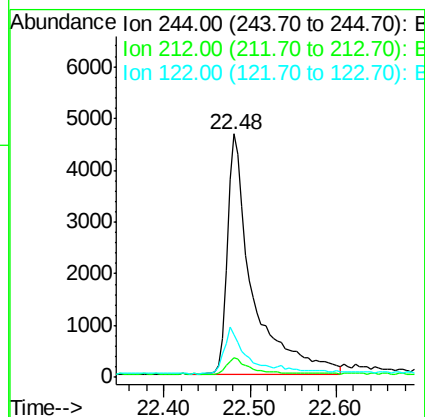
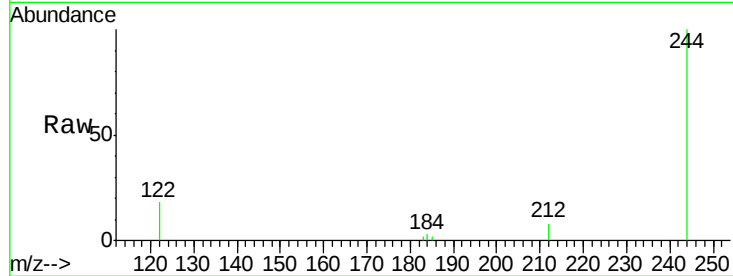
#22
 Terphenyl-d14
 Concen: 0.19 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 244 Resp: 9512
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.4 8.0#
 122 17.5 13.2 19.8

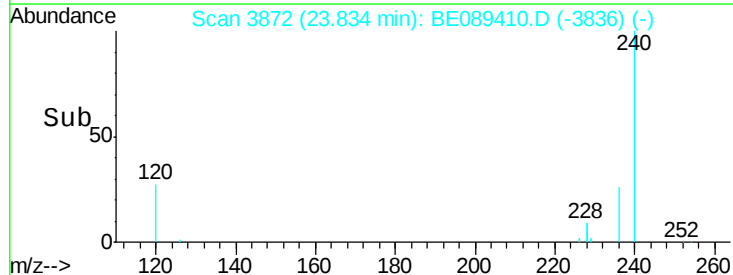
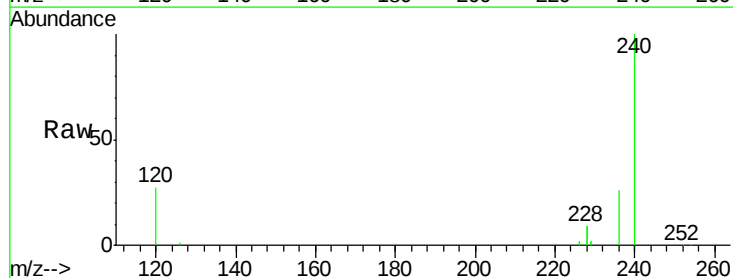
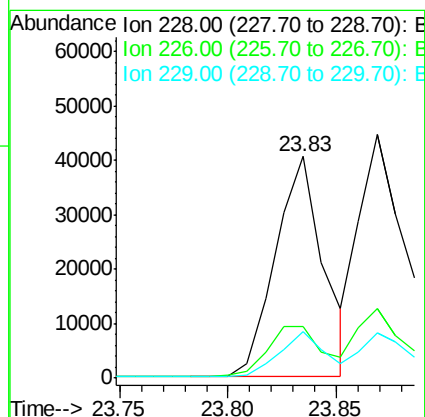
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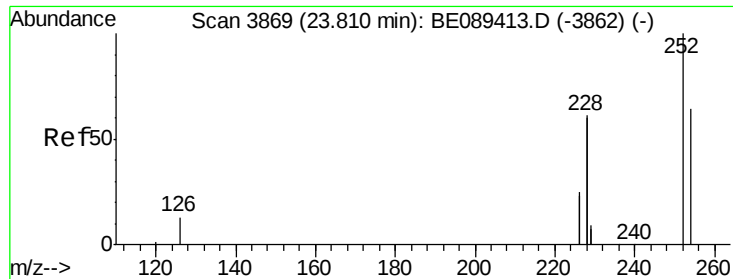
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#23
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 23.83 min Scan# 3872
 Delta R.T. 0.01 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Tgt Ion: 228 Resp: 62449
 Ion Ratio Lower Upper
 228 100
 226 23.6 22.6 33.8
 229 21.0 14.5 21.7





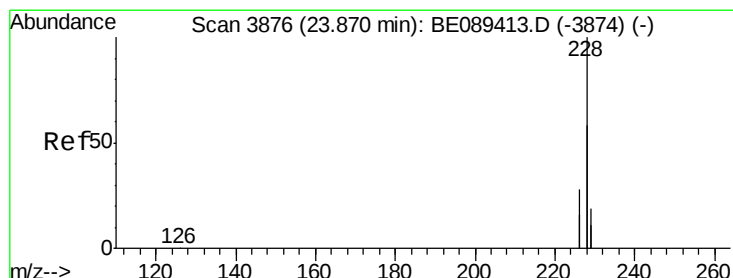
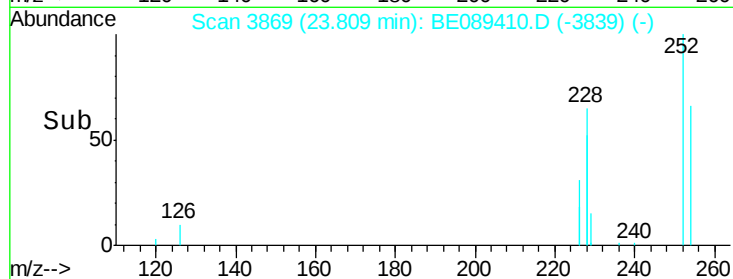
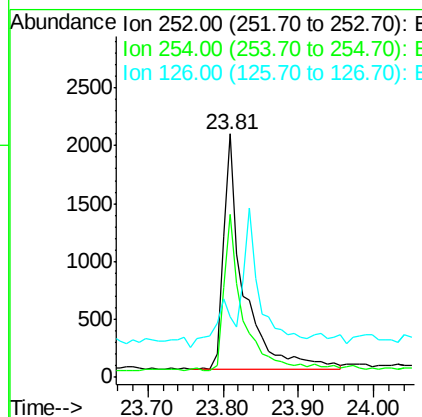
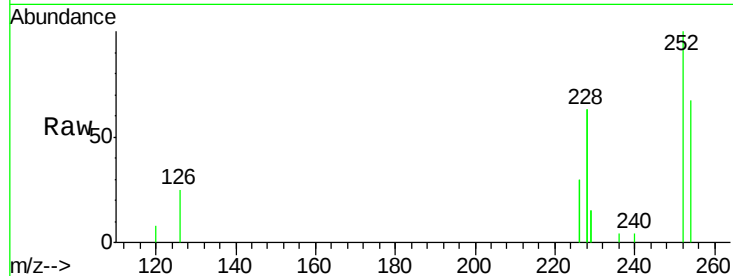
#24
 3,3'-Dichlorobenzidine
 Concen: 0.12 ng
 RT: 23.81 min Scan# 3869
 Delta R.T. -0.00 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.1	76.7
126	24.7	11.5	17.3

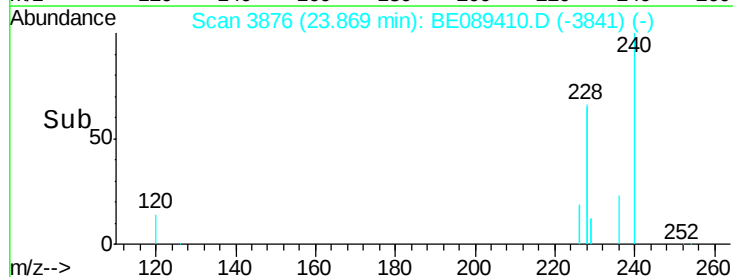
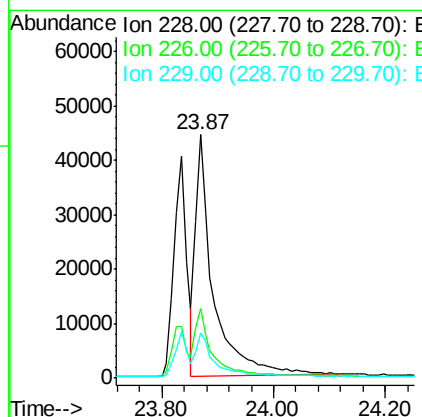
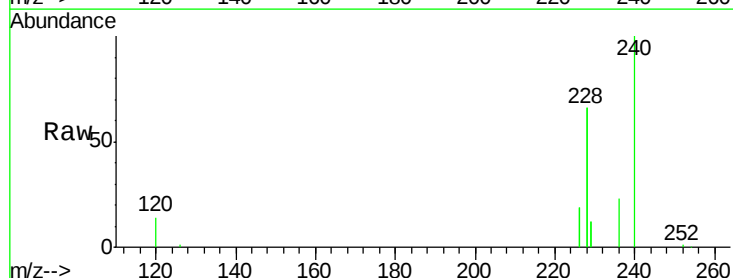
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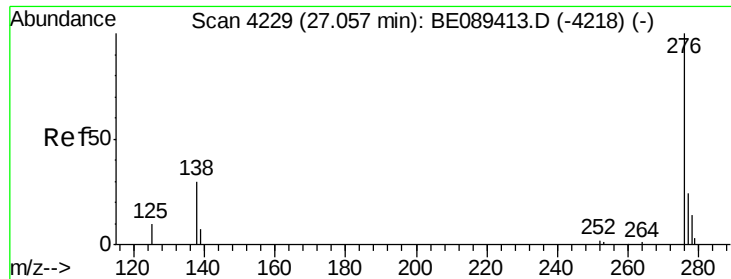
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#25
 Chrysene
 Concen: 0.19 ng
 RT: 23.87 min Scan# 3876
 Delta R.T. -0.00 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	18.7	15.5	23.3





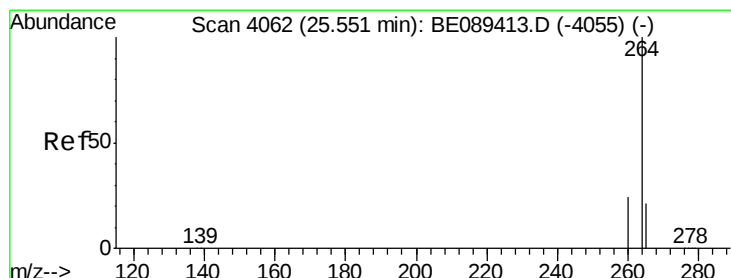
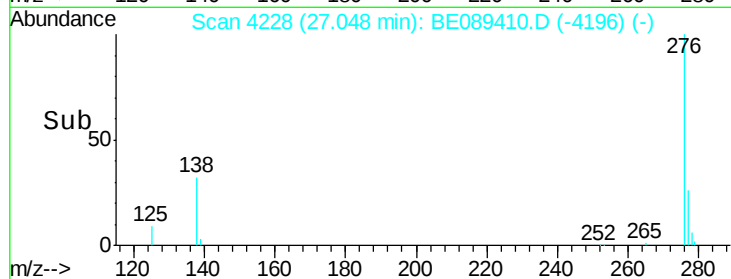
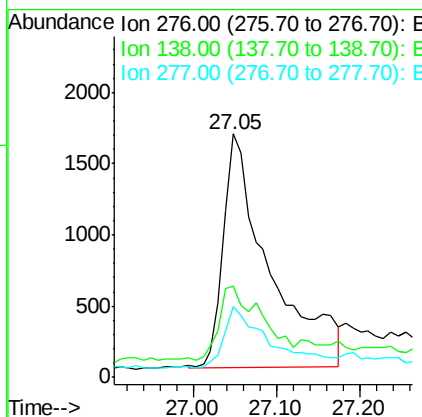
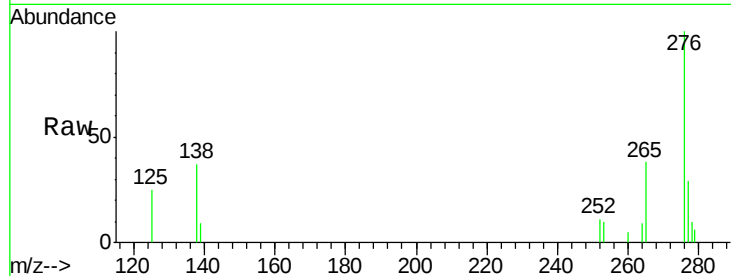
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng m
 RT: 27.05 min Scan# 4228
 Delta R.T. -0.01 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.3	0.0	0.0#
277	25.1	0.0	0.0#

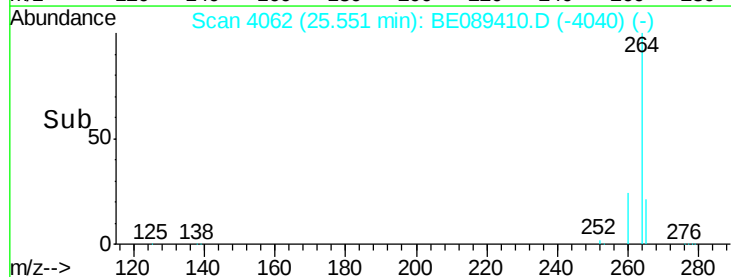
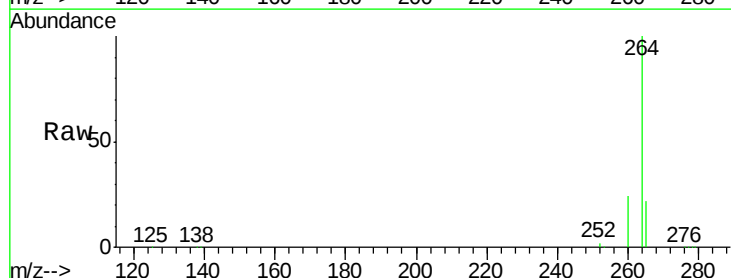
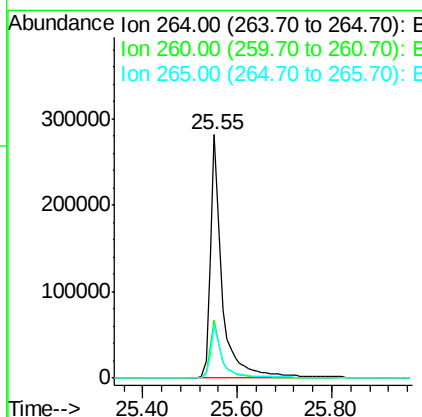
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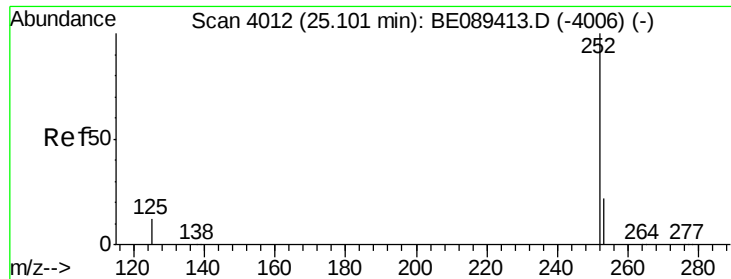
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#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4062
 Delta R.T. 0.00 min
 Lab File: BE089410.D
 Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	19.4	29.0
265	21.6	17.1	25.7





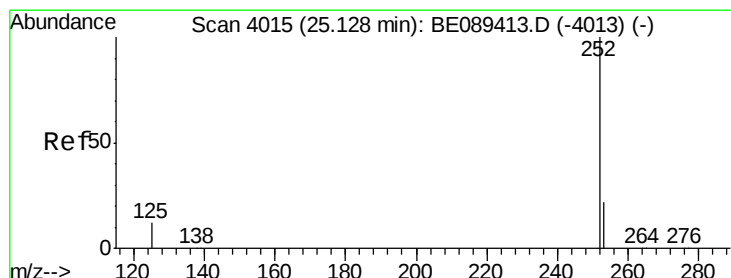
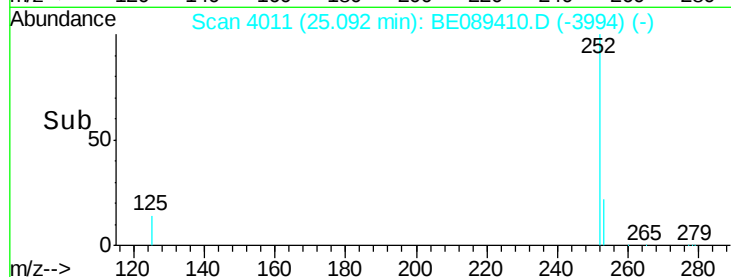
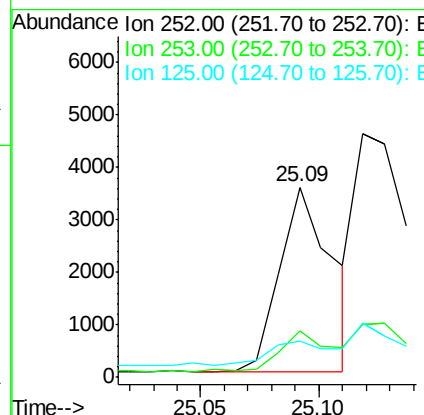
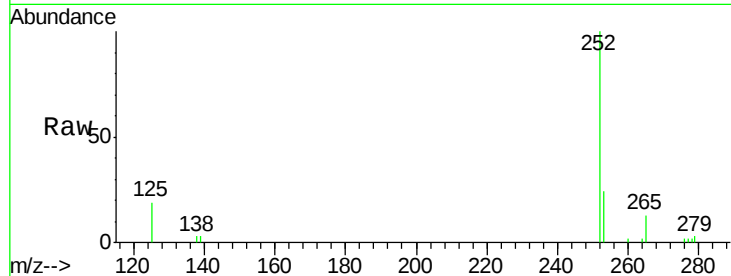
#28
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 25.09 min Scan# 4011
Delta R.T. -0.01 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	19.0	10.5	15.7

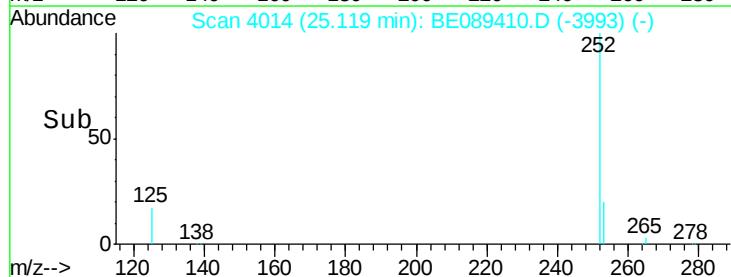
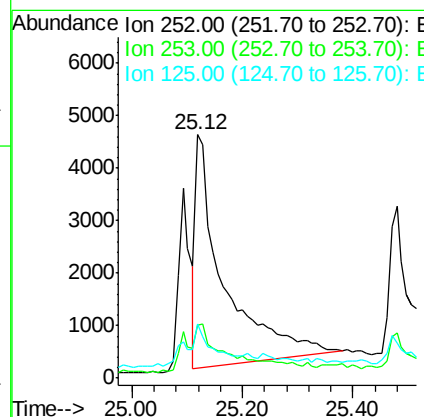
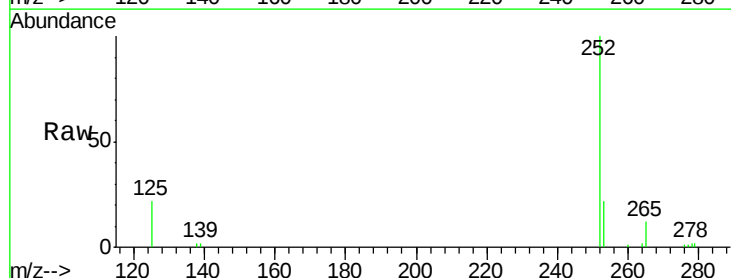
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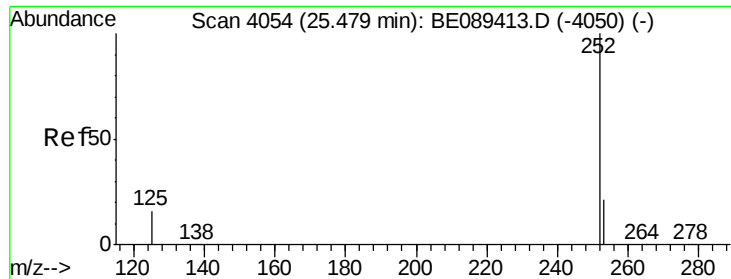
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#29
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 25.12 min Scan# 4014
Delta R.T. -0.01 min
Lab File: BE089410.D
Acq: 29 Jan 2015 11:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	22.3	11.0	16.6





#30

Benzo(a)pyrene

Concen: 0.08 ng

RT: 25.48 min Scan# 4054

Delta R.T. 0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Instrument :

BNA_E

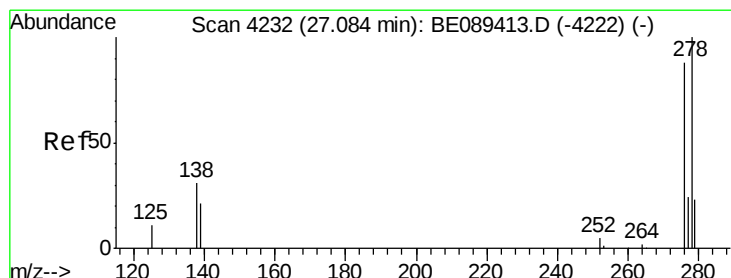
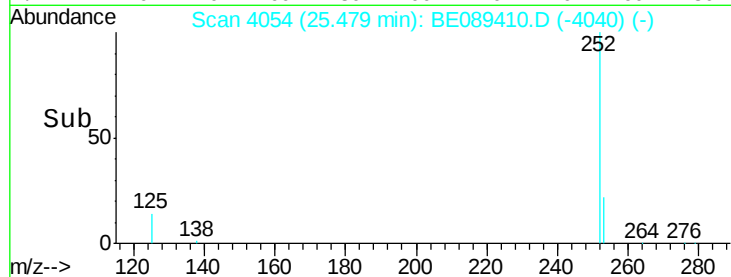
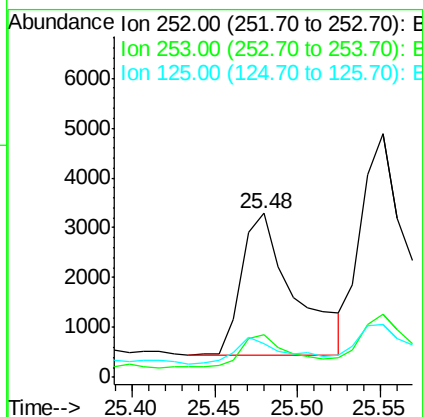
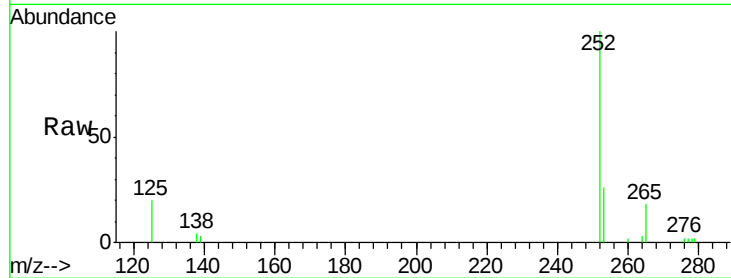
LabSampleId :

SSTDICC0.2

Tgt Ion:	252	Resp:	6260
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.3	25.9#
125	20.4	13.0	19.6#

Manual Integrations
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1/30/2015 5:55:22 PM



#31

Dibenzo(a,h)anthracene

Concen: 0.07 ng m

RT: 27.08 min Scan# 4232

Delta R.T. 0.00 min

Lab File: BE089410.D

Acq: 29 Jan 2015 11:23

Tgt Ion:	278	Resp:	5676
Ion Ratio	Lower	Upper	
278	100		
139	23.5	17.2	25.8
279	28.3	19.2	28.8

