

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089701.D
 Acq On : 26 Feb 2015 22:08
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

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Quant Time: Feb 27 05:03:07 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 04:47:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	57366	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	248327	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	115400	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	208476	5.00	ng	0.00
20) Chrysene-d12	23.65	240	157427	5.00	ng	0.00
27) Perylene-d12	25.33	264	122404	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.50	112	2722	0.16	ng	0.00
4) Phenol-d6	8.62	99	3787	0.17	ng	0.00
8) Nitrobenzene-d5	10.60	82	4564	0.27	ng	0.00
14) 2,4,6-Tribromophenol	18.30	330	174	0.07	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	10111	0.30	ng	0.00
22) Terphenyl-d14	22.30	244	3912	0.23	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.44	42	1445m	0.16	ng	
5) Phenol	8.64	94	4143	0.18	ng	# 35
6) bis(2-Chloroethyl)ether	8.82	93	3371	0.20	ng	# 99
9) Nitrobenzene	10.64	77	2596	0.14	ng	100
10) 2,4-Dimethylphenol	11.57	122	2110	0.14	ng	98
11) 2,4-Dichlorophenol	11.95	162	1529	0.14	ng	93
12) Hexachlorobutadiene	12.62	225	1010	0.13	ng	99
18) Hexachlorobenzene	18.99	284	1151	0.13	ng	97
19) Pentachlorophenol	19.43	266	97	0.32	ng	# 84
21) Benzidine	21.96	184	963	0.08	ng	# 85
23) Benzo(a)anthracene	23.64	228	20866	0.15	ng	99
24) 3,3'-Dichlorobenzidine	23.63	252	679	0.40	ng	# 87
25) Chrysene	23.68	228	29859	0.17	ng	99
26) Indeno(1,2,3-cd)pyrene	26.73	276	1477	0.23	ng	# 76
28) Benzo(b)fluoranthene	24.91	252	1458m	0.30	ng	
29) Benzo(k)fluoranthene	24.94	252	4942m	0.14	ng	
30) Benzo(a)pyrene	25.27	252	1674	0.40	ng	# 91
31) Dibenzo(a,h)anthracene	26.77	278	1078	0.42	ng	# 78

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

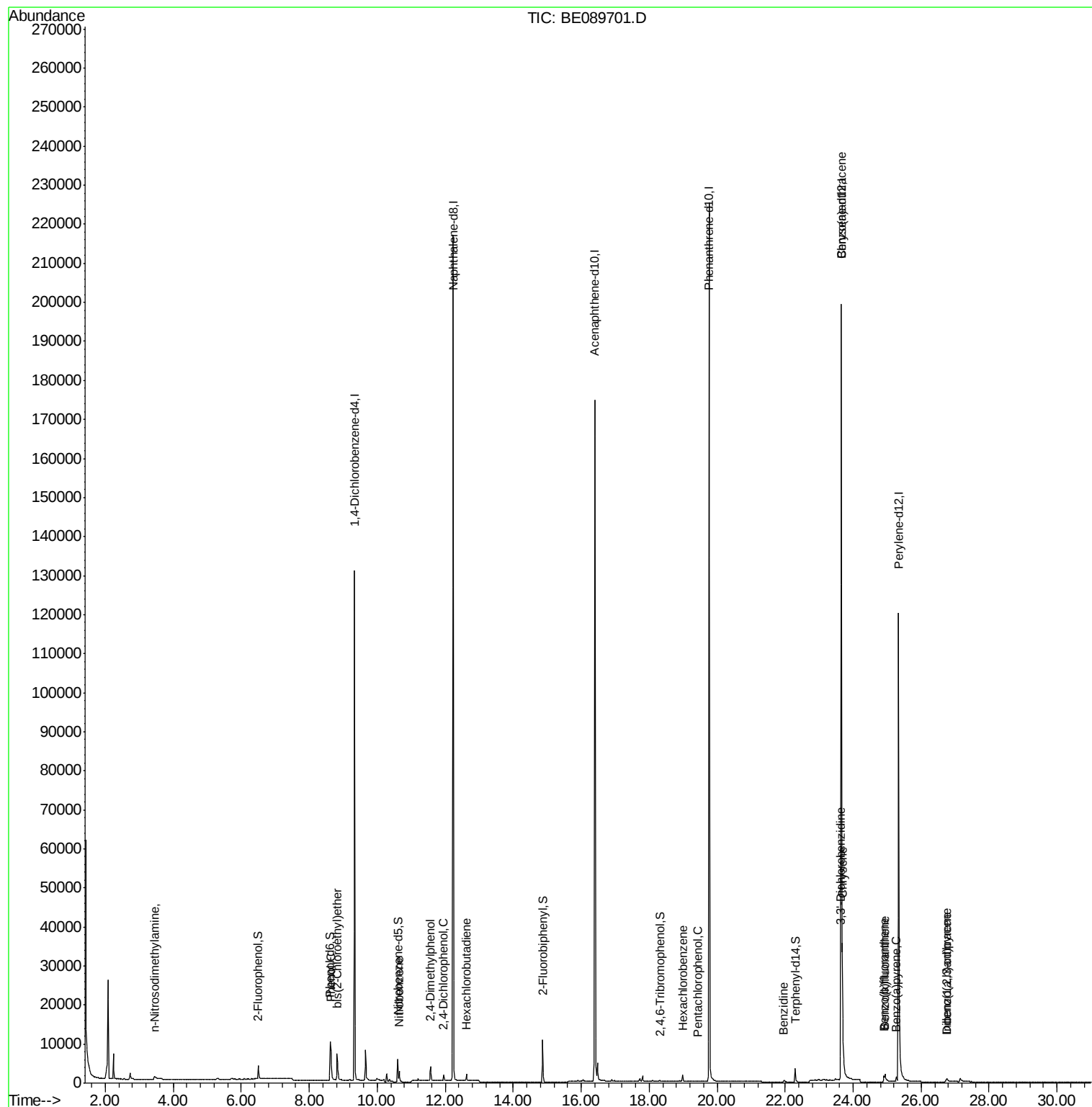
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
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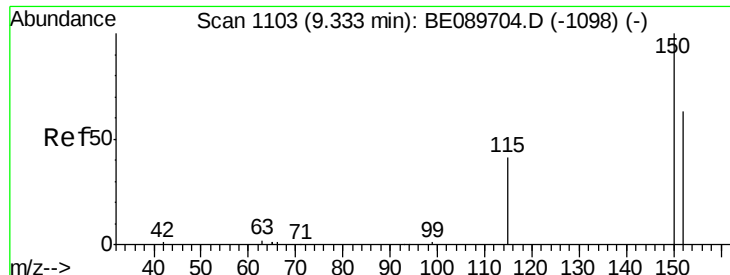
Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BE089701.D

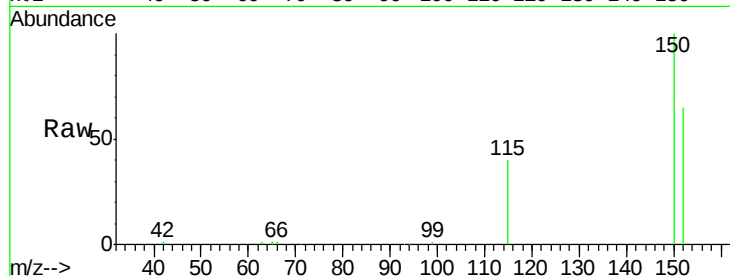
Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2



Tgt Ion:152 Resp: 57366

Ion Ratio Lower Upper

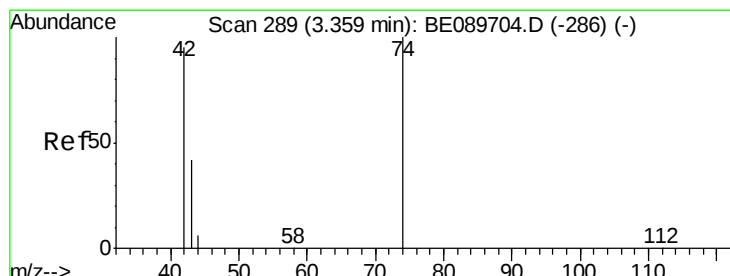
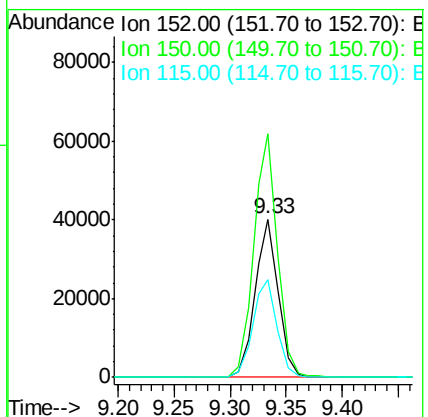
152 100

150 153.7 127.3 190.9

115 61.7 52.0 78.0

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#2

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.44 min Scan# 301

Delta R.T. 0.08 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

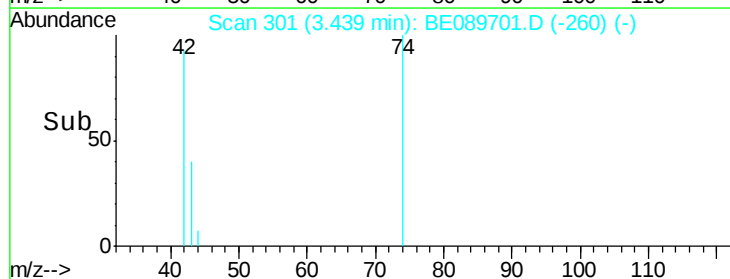
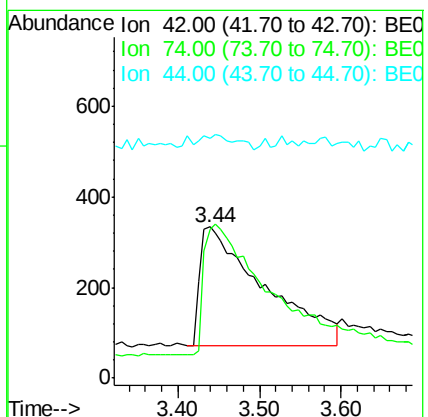
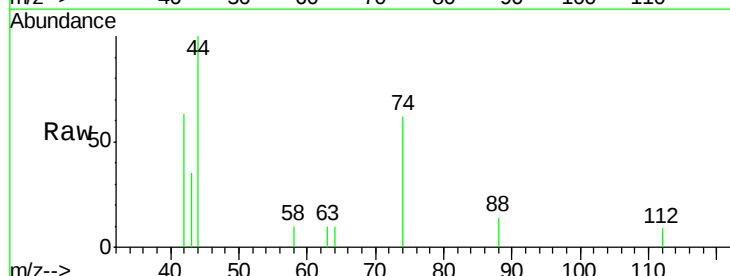
Tgt Ion: 42 Resp: 1445

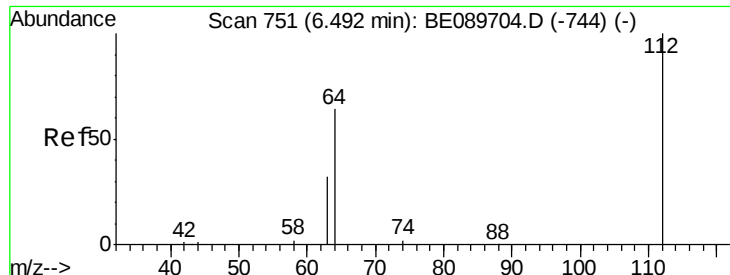
Ion Ratio Lower Upper

42 100

74 98.2 83.8 125.8

44 158.7 19.0 28.6#





#3

2-Fluorophenol

Concen: 0.16 ng

RT: 6.50 min Scan# 752

Delta R.T. 0.01 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

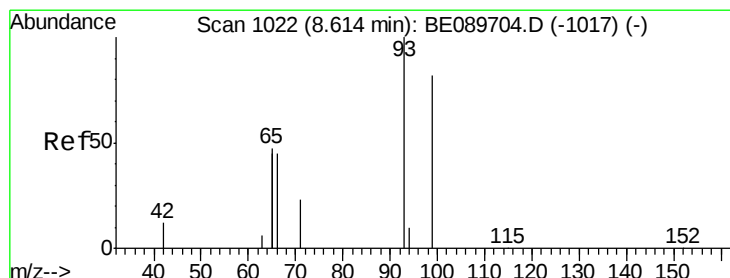
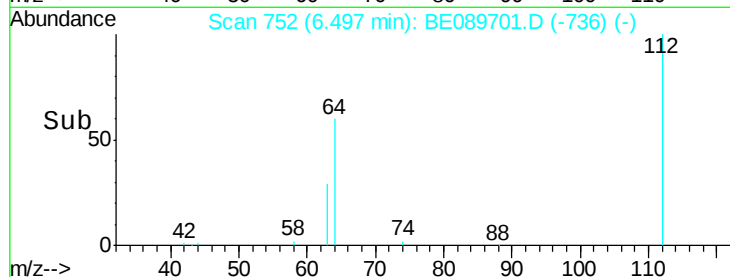
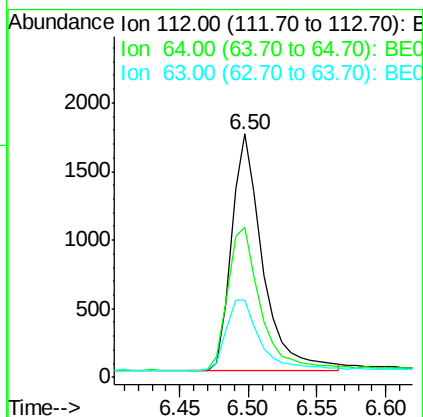
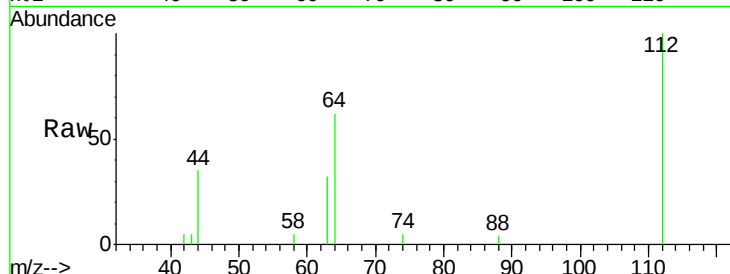
ClientSampleId :

SSTDICC0.2

Tgt Ion:	112	Resp:	2722
Ion Ratio	Lower	Upper	
112	100		
64	61.6	51.3	76.9
63	31.6	26.2	39.2

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#4

Phenol-d6

Concen: 0.17 ng

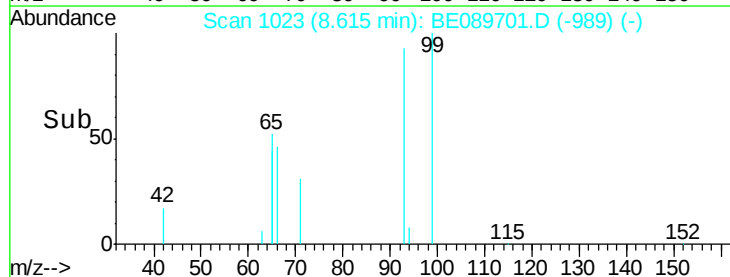
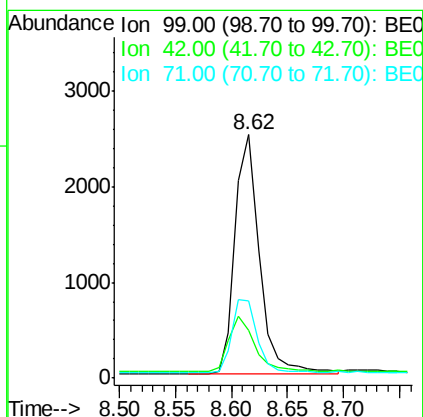
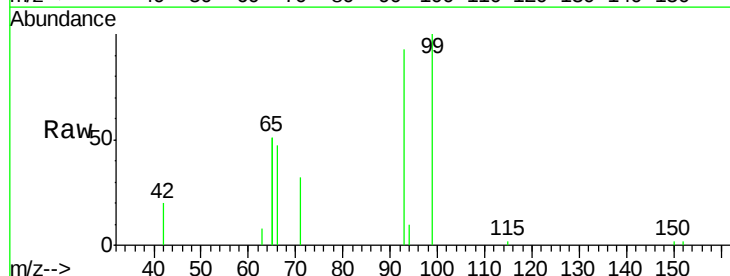
RT: 8.62 min Scan# 1023

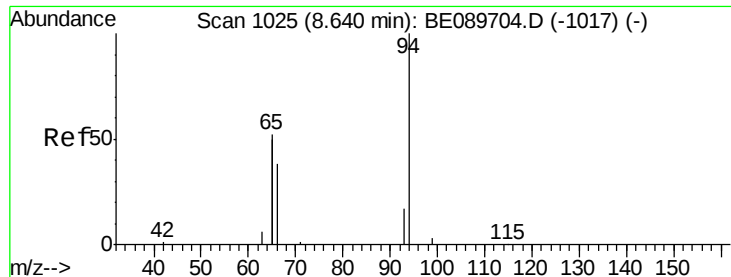
Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Tgt Ion:	99	Resp:	3787
Ion Ratio	Lower	Upper	
99	100		
42	19.8	12.3	18.5#
71	31.9	22.9	34.3





#5

Phenol

Concen: 0.18 ng

RT: 8.64 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

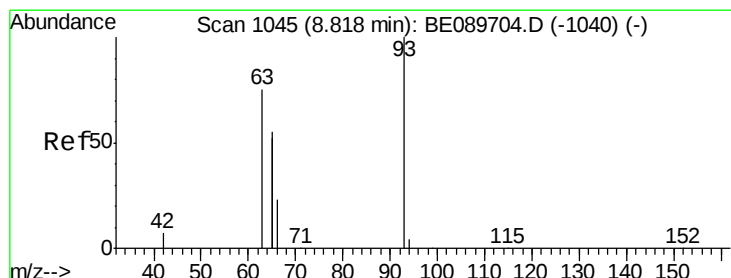
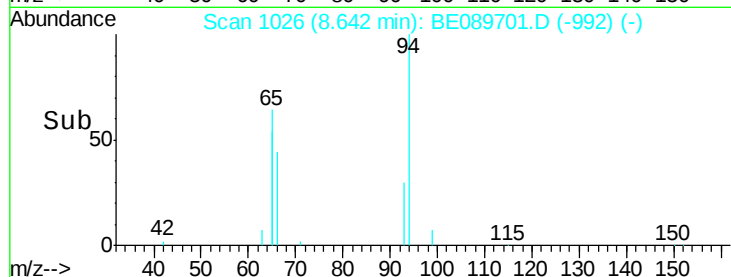
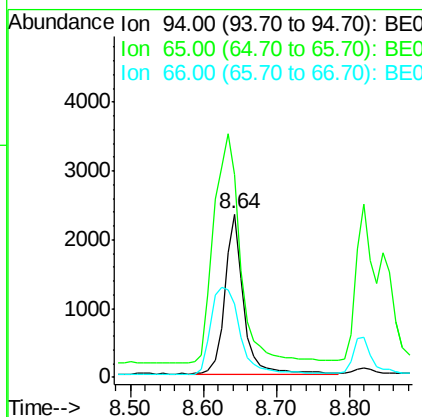
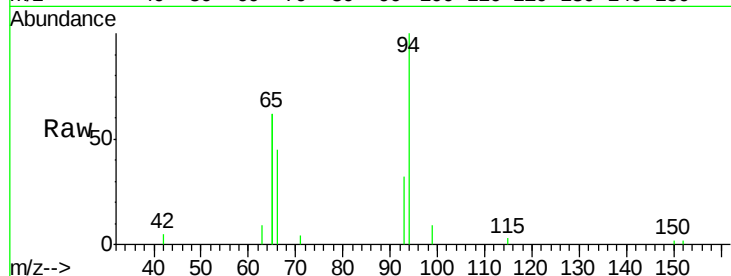
ClientSampleId :

SSTDIC0.2

Tgt Ion:	94	Resp:	4143
Ion	Ratio	Lower	Upper
94	100		
65	124.7	31.7	71.7#
66	44.9	17.9	57.9

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#6

bis(2-Chloroethyl)ether

Concen: 0.20 ng

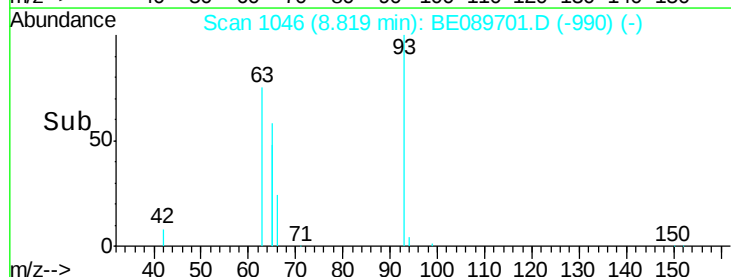
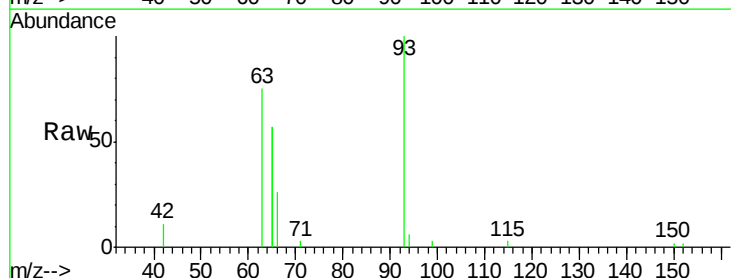
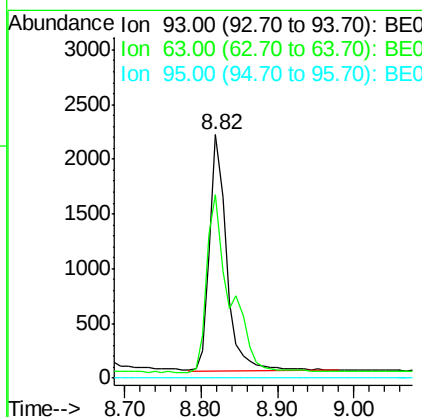
RT: 8.82 min Scan# 1046

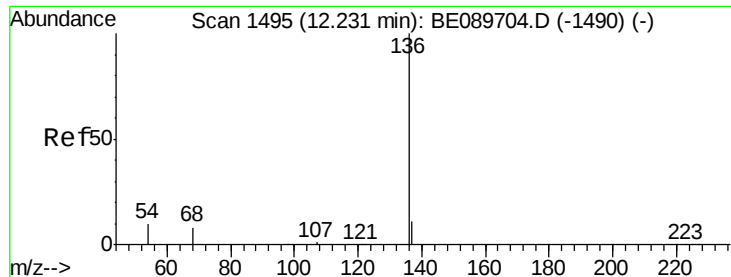
Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Tgt Ion:	93	Resp:	3371
Ion	Ratio	Lower	Upper
93	100		
63	103.5	83.8	125.8
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

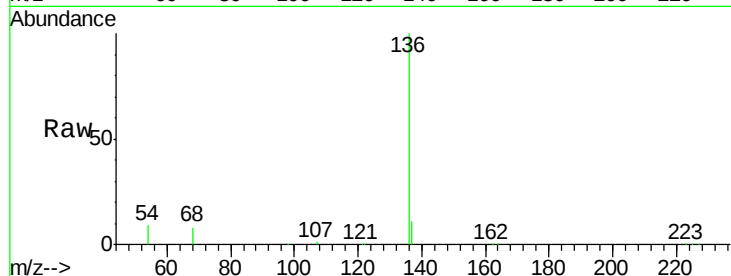
ClientSampleId :

SSTDIC0.2

Tgt Ion:	136	Resp:	248327
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.5	8.1	12.1

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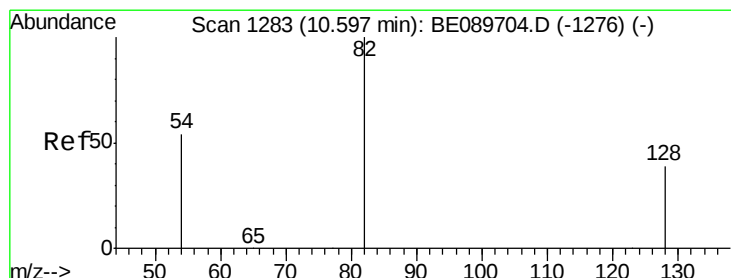
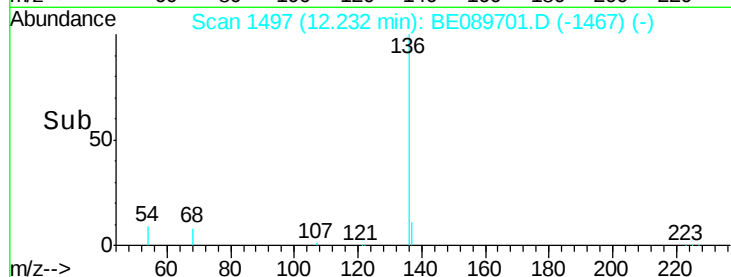
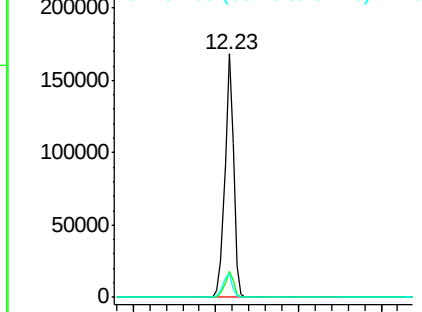
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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.27 ng

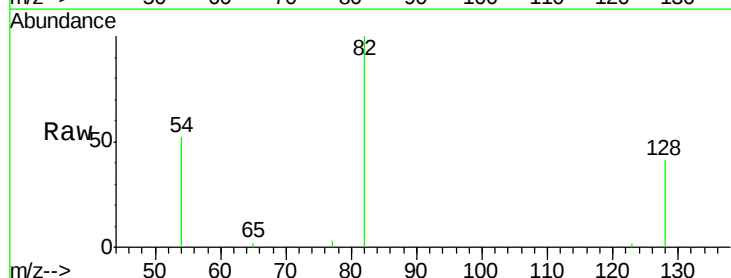
RT: 10.60 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

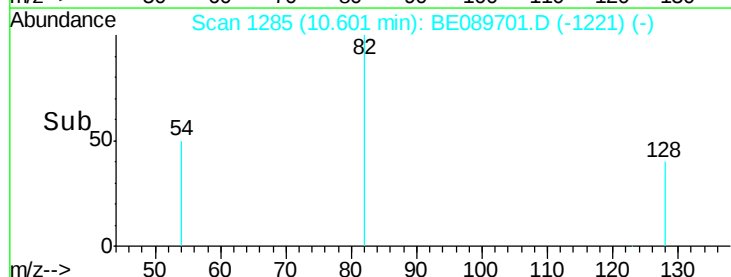
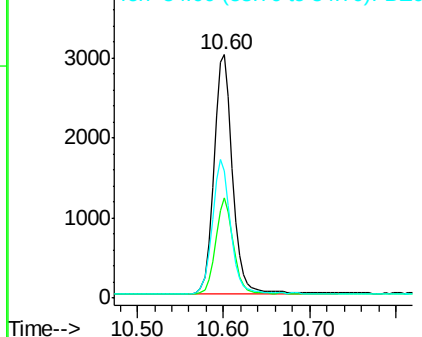
Tgt Ion:	82	Resp:	4564
Ion Ratio	Lower	Upper	
82	100		
128	41.0	31.4	47.2
54	52.1	43.8	65.8

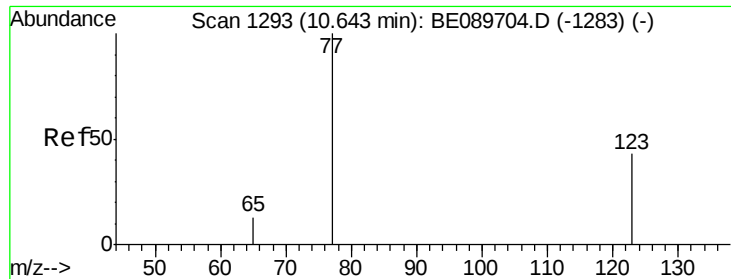


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.14 ng

RT: 10.64 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

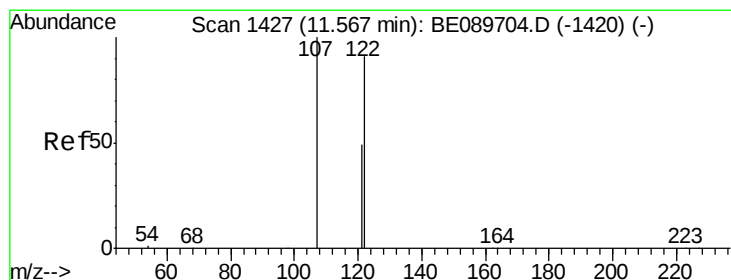
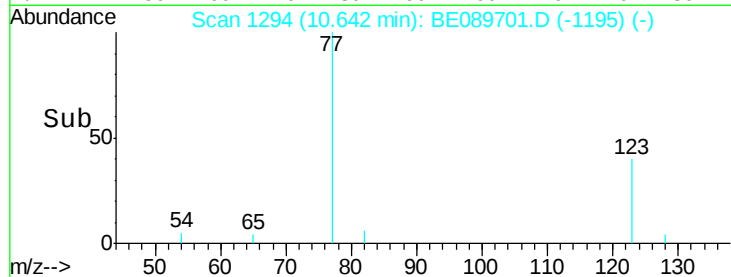
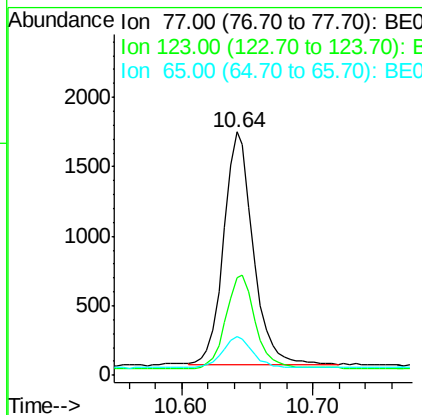
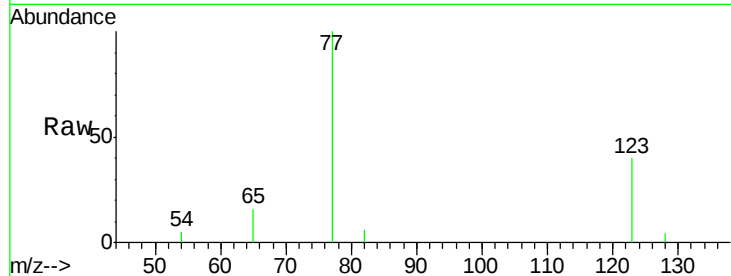
ClientSampled :

SSTDIC0.2

Tgt Ion:	77	Resp:	2596
Ion	Ratio	Lower	Upper
77	100		
123	41.6	33.2	49.8
65	13.6	10.6	15.8

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#10

2,4-Dimethylphenol

Concen: 0.14 ng

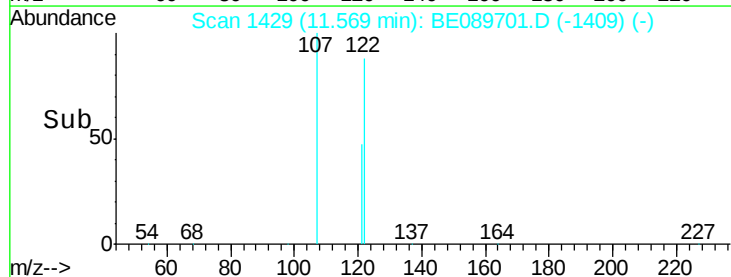
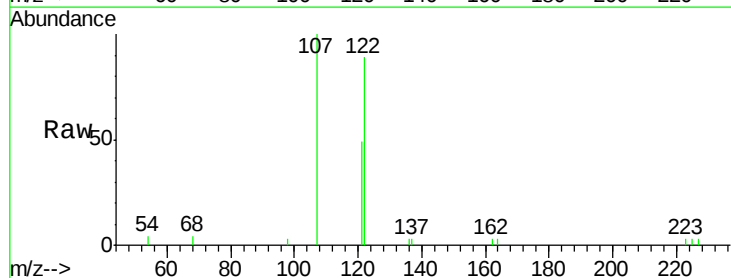
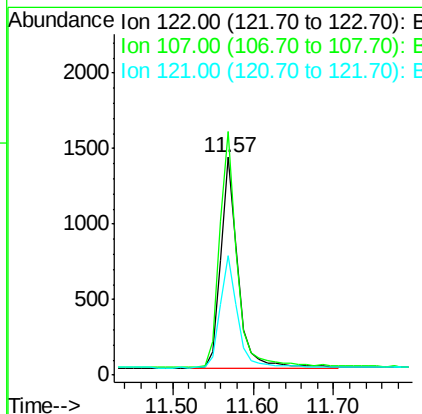
RT: 11.57 min Scan# 1429

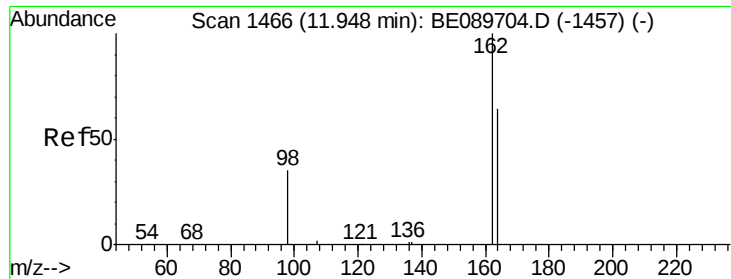
Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Tgt Ion:	122	Resp:	2110
Ion	Ratio	Lower	Upper
122	100		
107	111.9	87.6	131.4
121	54.9	43.4	65.2





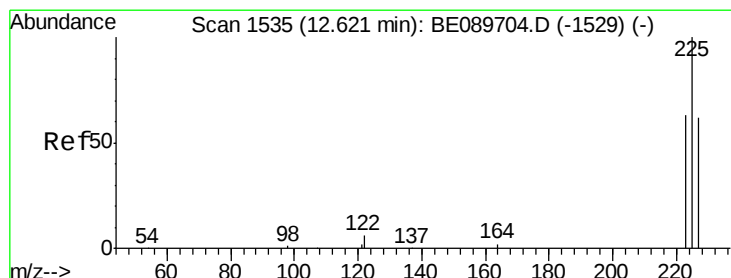
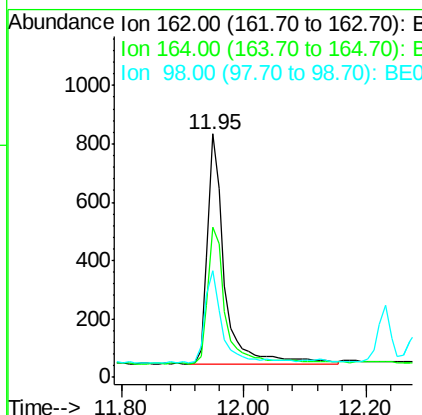
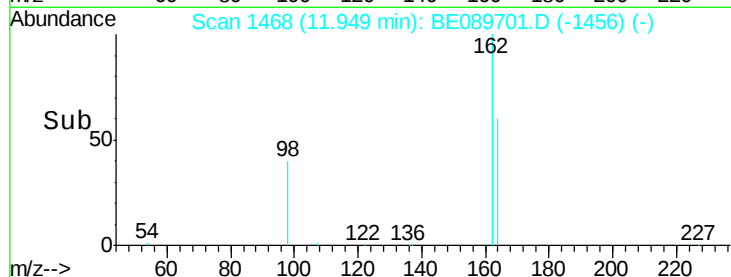
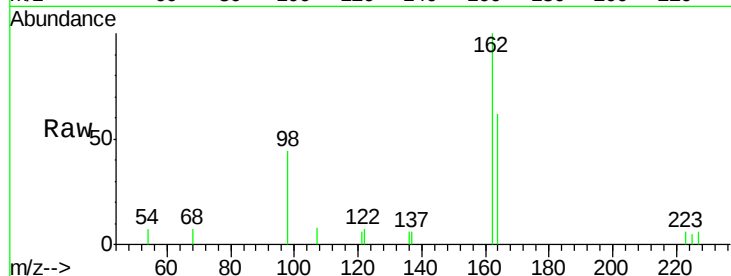
#11
 2,4-Dichlorophenol
 Concen: 0.14 ng
 RT: 11.95 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE089701.D
 Acq: 26 Feb 2015 22:08

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC0.2

Tgt Ion:	162	Resp:	1529
Ion Ratio	Lower	Upper	
162	100		
164	61.9	43.9	83.9
98	43.8	15.7	55.7

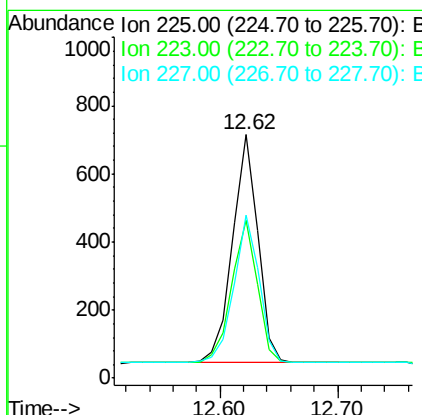
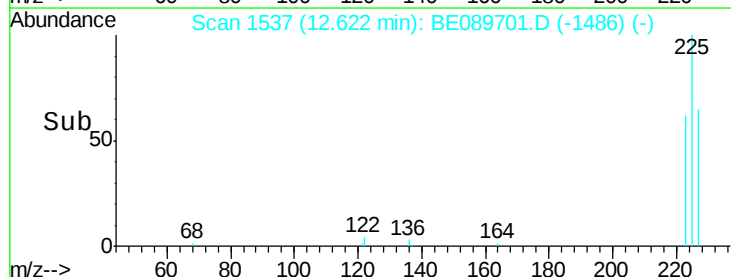
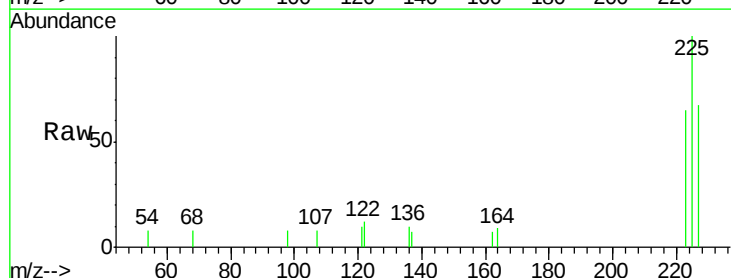
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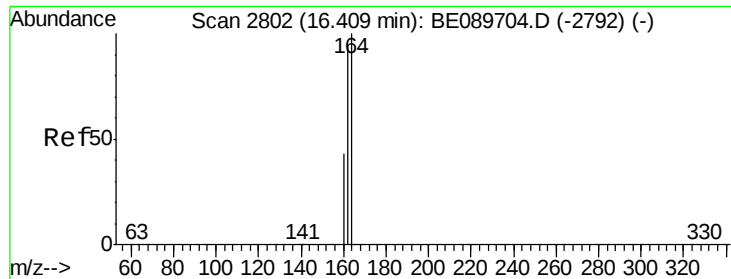
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#12
 Hexachlorobutadiene
 Concen: 0.13 ng
 RT: 12.62 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BE089701.D
 Acq: 26 Feb 2015 22:08

Tgt Ion:	225	Resp:	1010
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.6	75.8
227	65.1	50.8	76.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.40 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

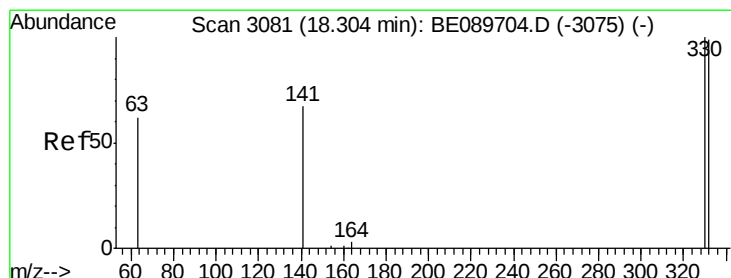
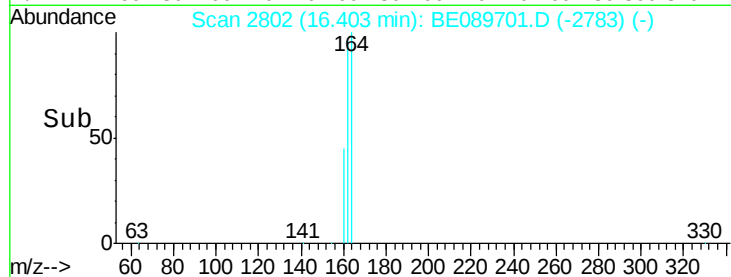
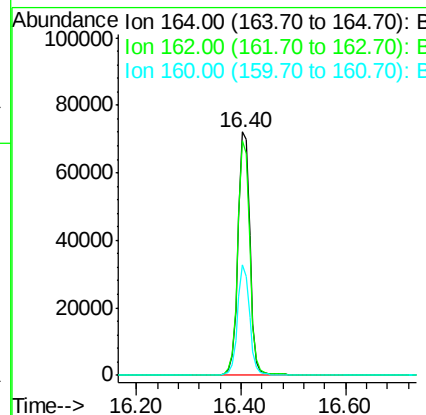
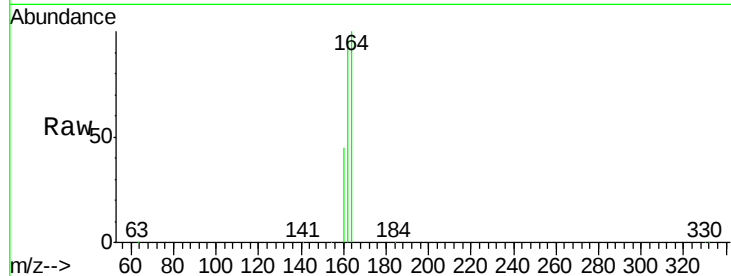
ClientSampleId :

SSTDIC0.2

Tgt Ion:	164	Resp:	115400
Ion Ratio	Lower	Upper	
164	100		
162	96.4	75.0	112.6
160	45.2	34.3	51.5

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#14

2,4,6-Tribromophenol

Concen: 0.07 ng

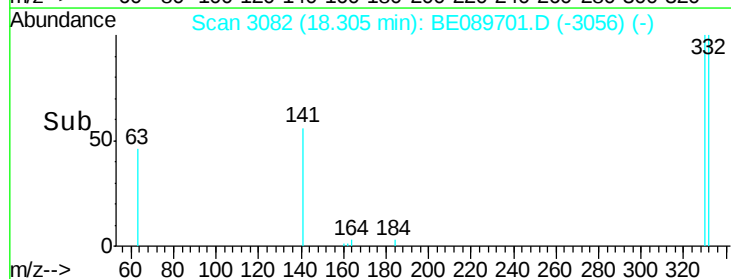
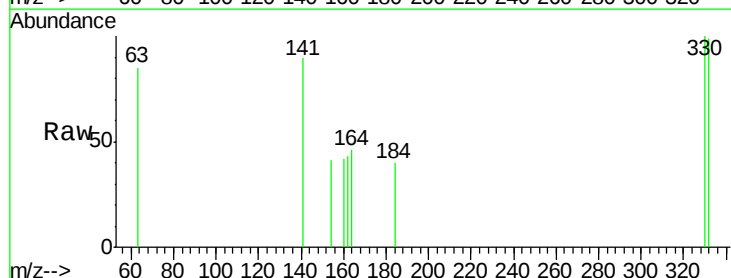
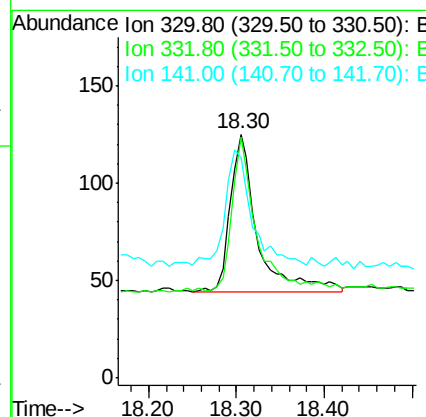
RT: 18.30 min Scan# 3082

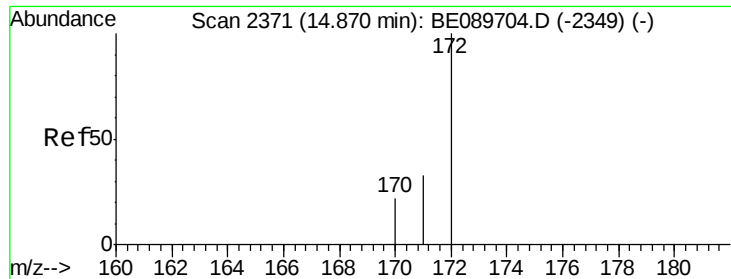
Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Tgt Ion:	330	Resp:	174
Ion Ratio	Lower	Upper	
330	100		
332	86.8	0.0	0.0#
141	70.7	0.0	0.0#





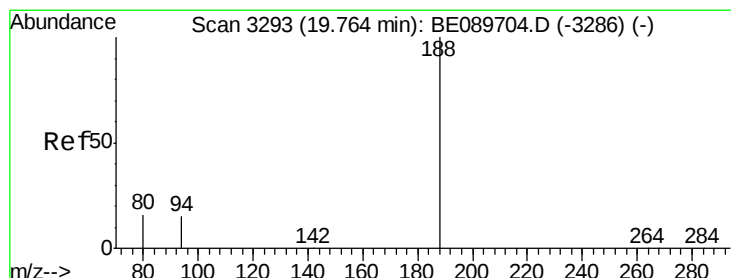
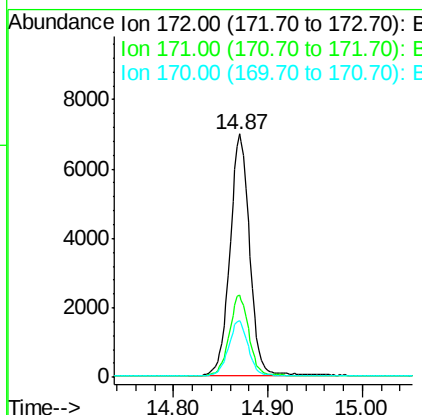
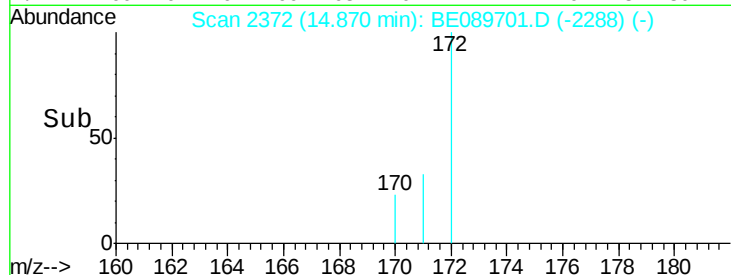
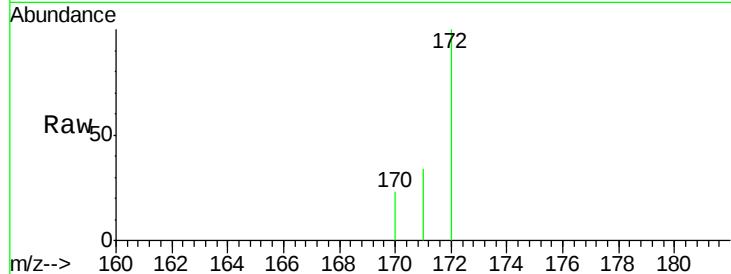
#15
2-Fluorobiphenyl
Concen: 0.30 ng
RT: 14.87 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.8	40.2
170	23.1	18.0	27.0

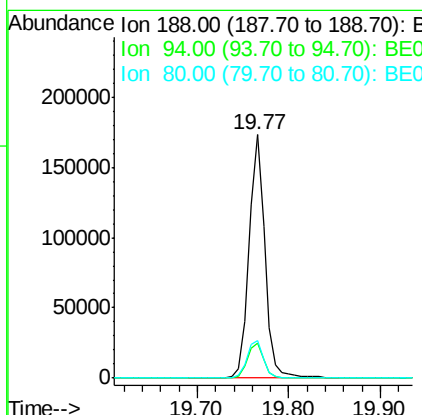
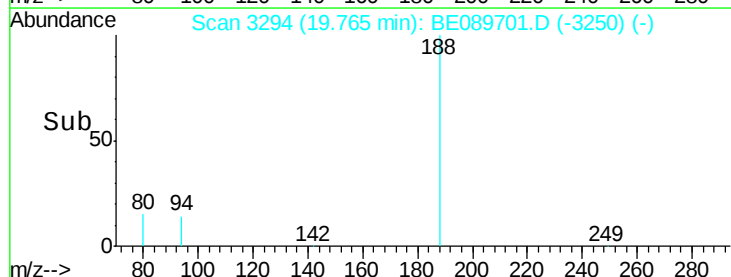
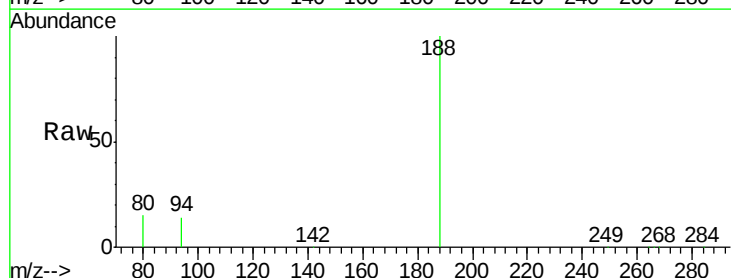
Manual Integrations
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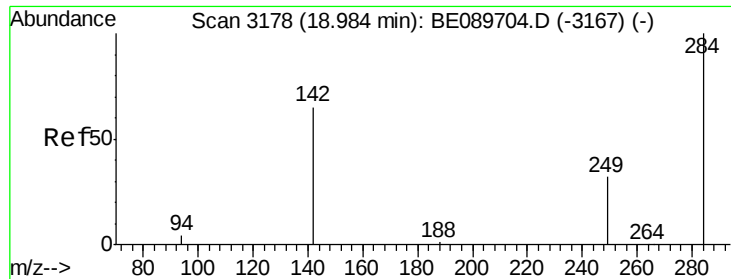
apatel
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#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3294
Delta R.T. 0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.5	12.1	18.1
80	15.2	12.7	19.1





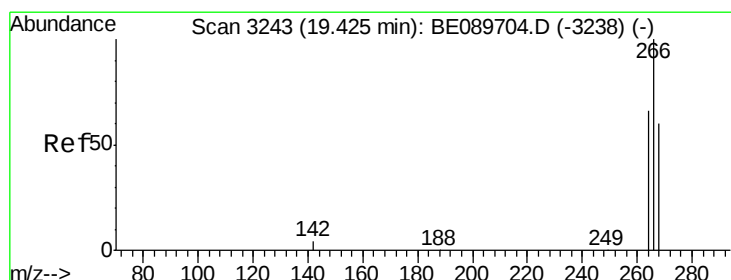
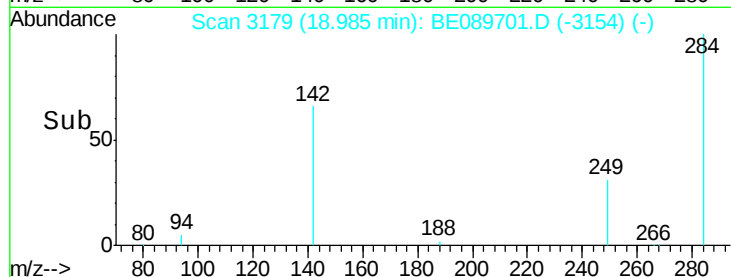
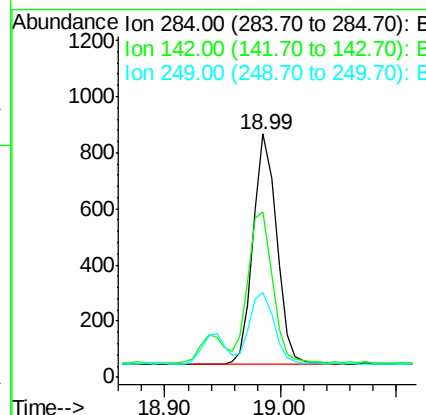
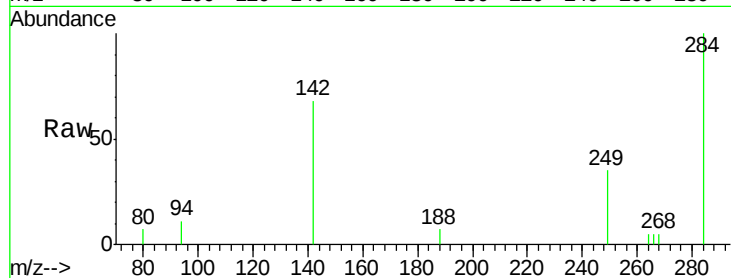
#18
Hexachlorobenzene
Concen: 0.13 ng
RT: 18.99 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
284	100		
142	67.8	52.2	78.4
249	34.9	26.4	39.6

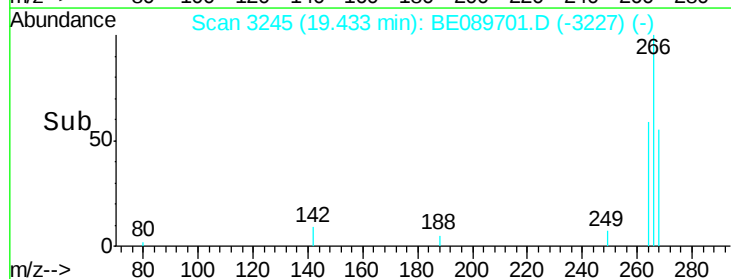
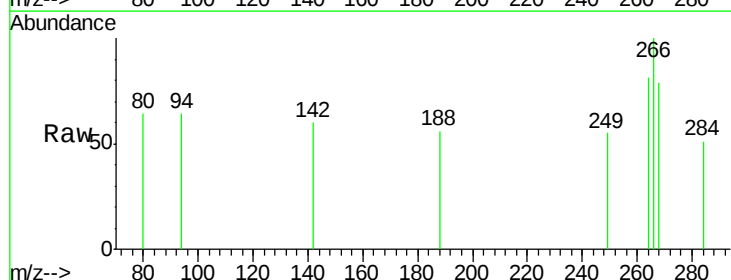
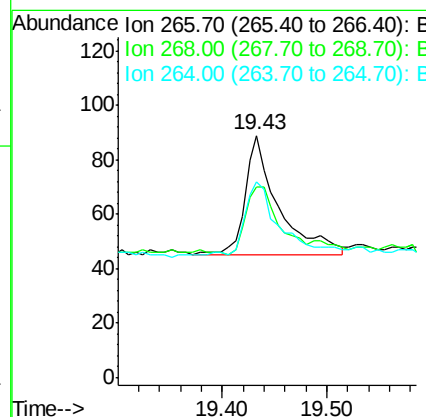
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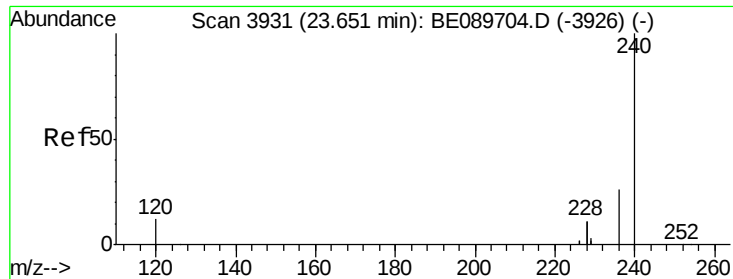
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#19
Pentachlorophenol
Concen: 0.32 ng
RT: 19.43 min Scan# 3245
Delta R.T. 0.01 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	78.7	51.4	77.2#
264	80.9	55.8	83.8





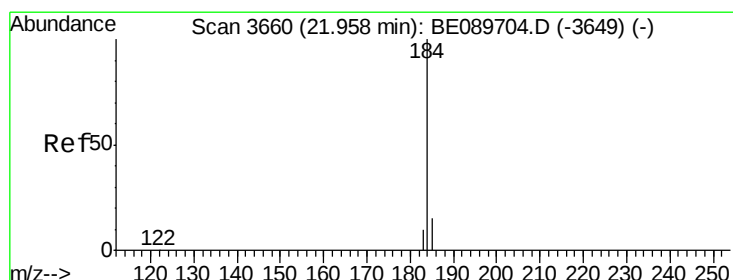
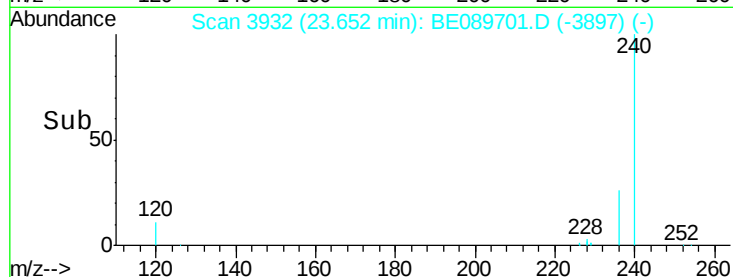
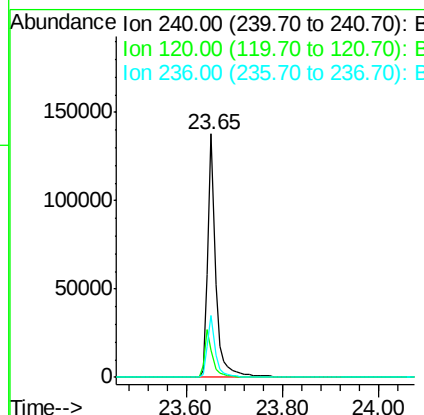
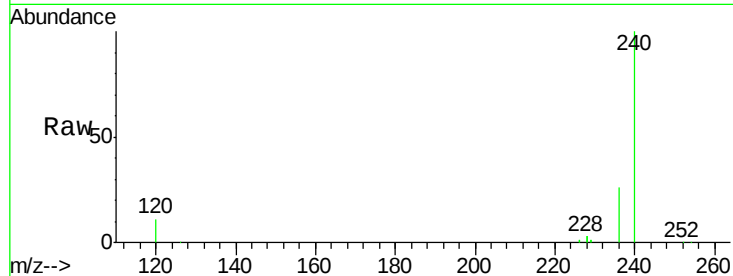
#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.65 min Scan# 3932
Delta R.T. 0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	157427		
120	11.0	9.9	14.9	
236	25.6	21.0	31.6	

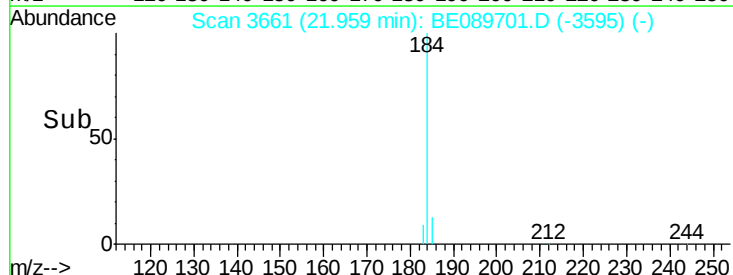
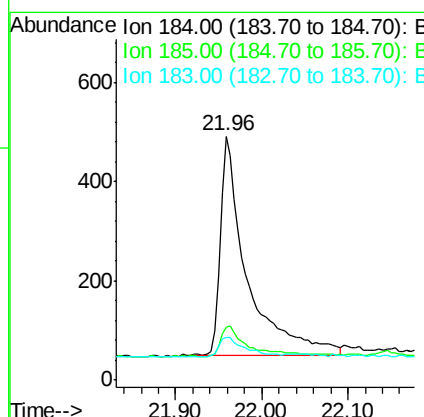
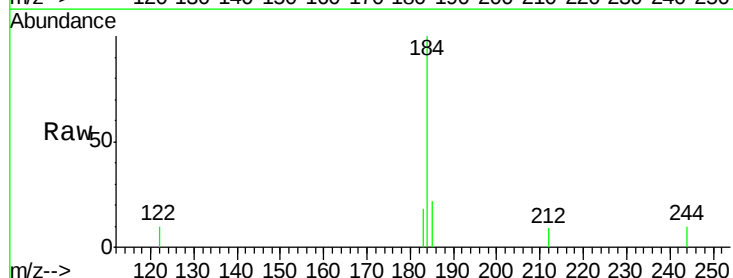
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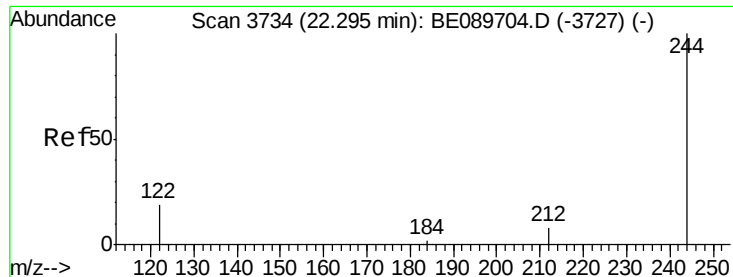
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#21
Benzidine
Concen: 0.08 ng
RT: 21.96 min Scan# 3661
Delta R.T. 0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	963		
185	21.6	12.8	19.2#	
183	17.7	8.8	13.2#	





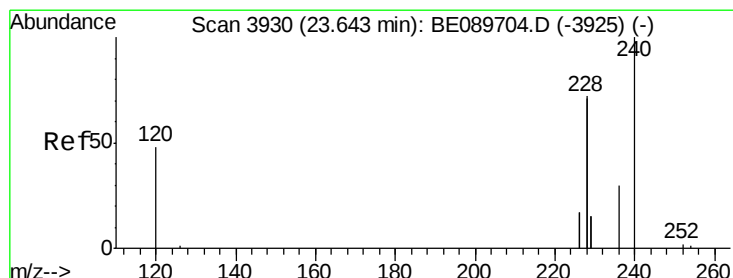
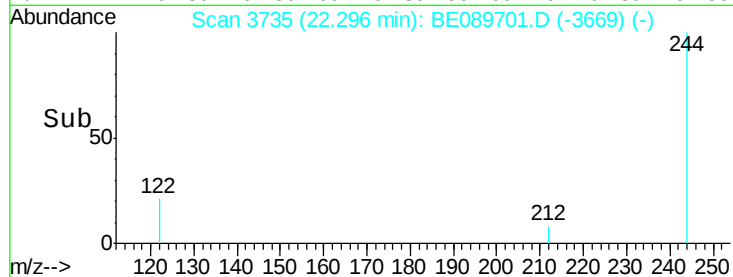
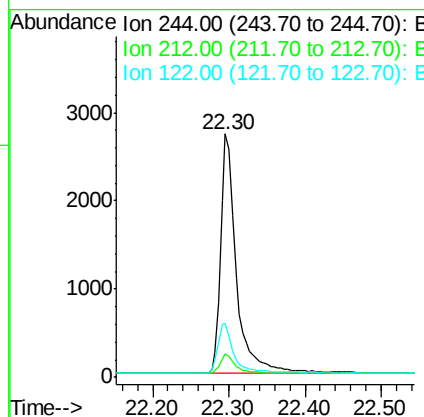
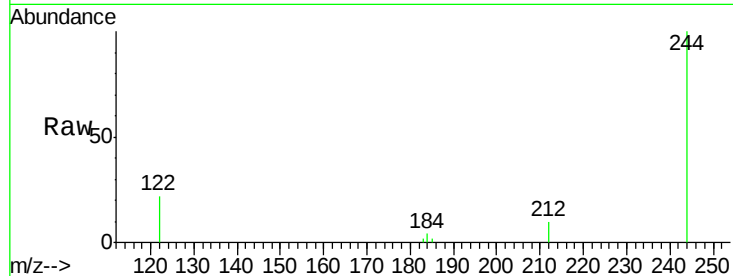
#22
 Terphenyl-d14
 Concen: 0.23 ng
 RT: 22.30 min Scan# 3735
 Delta R.T. 0.00 min
 Lab File: BE089701.D
 Acq: 26 Feb 2015 22:08

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.7	10.1
122	22.3	15.7	23.5

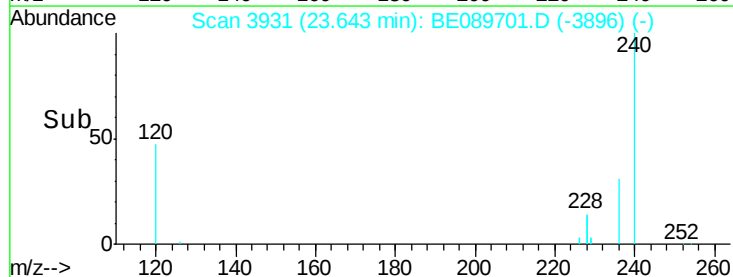
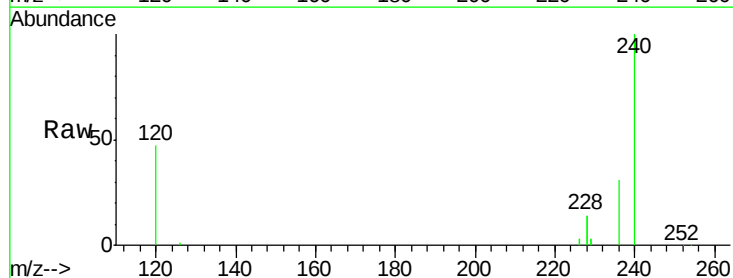
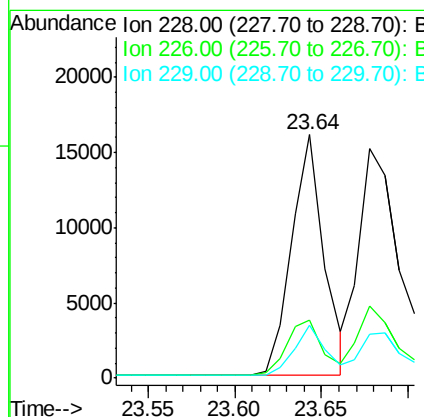
Manual Integrations
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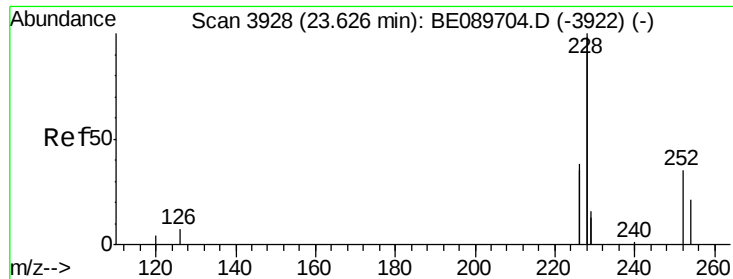
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#23
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 23.64 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089701.D
 Acq: 26 Feb 2015 22:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.9	19.3	28.9
229	21.5	16.6	25.0





#24

3,3'-Dichlorobenzidine

Concen: 0.40 ng

RT: 23.63 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

Tgt Ion: 252 Resp: 679

Ion Ratio Lower Upper

252 100

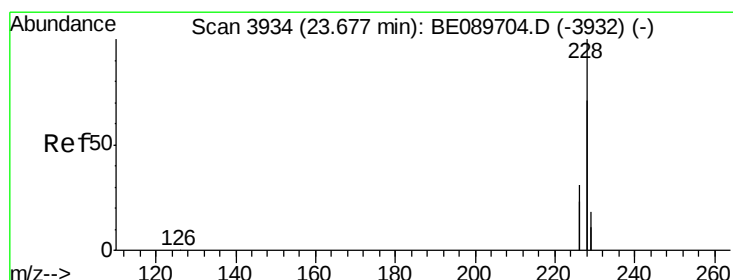
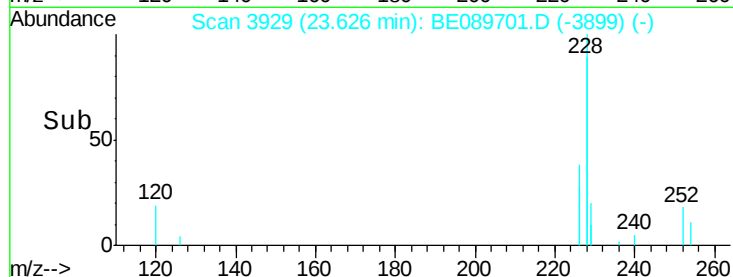
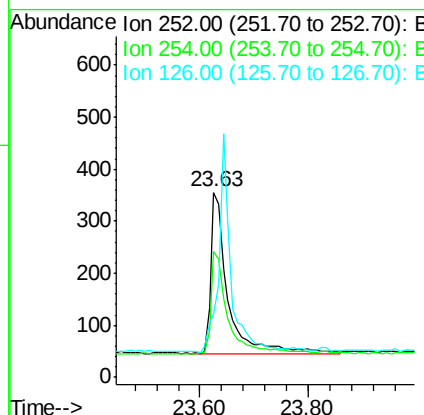
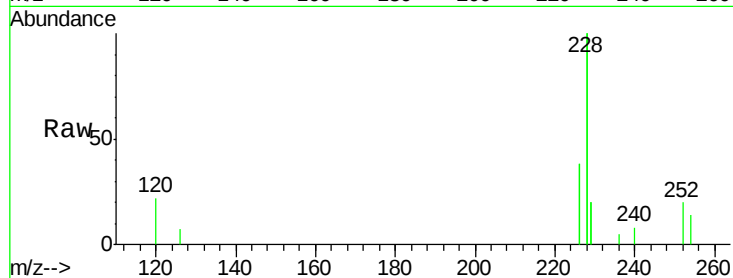
254 68.3 49.4 74.2

126 34.0 17.4 26.2#

Manual Integrations
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#25

Chrysene

Concen: 0.17 ng

RT: 23.68 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

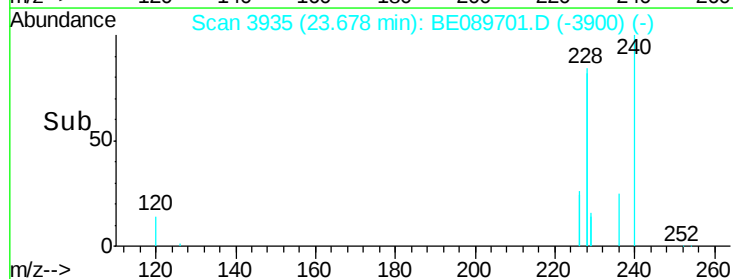
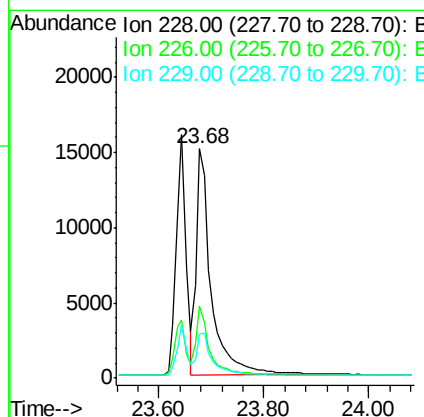
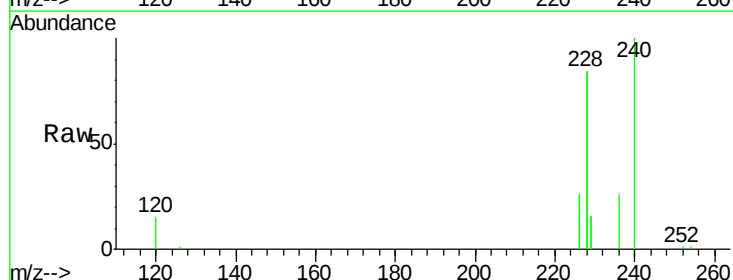
Tgt Ion: 228 Resp: 29859

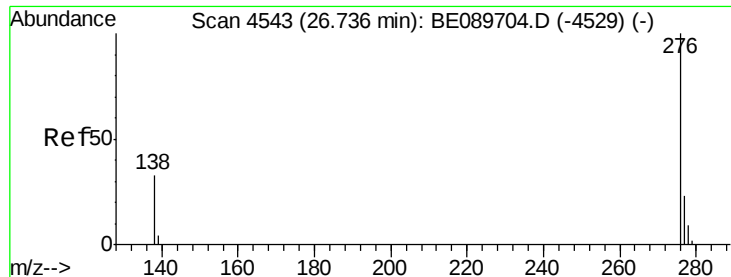
Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

229 19.1 14.4 21.6





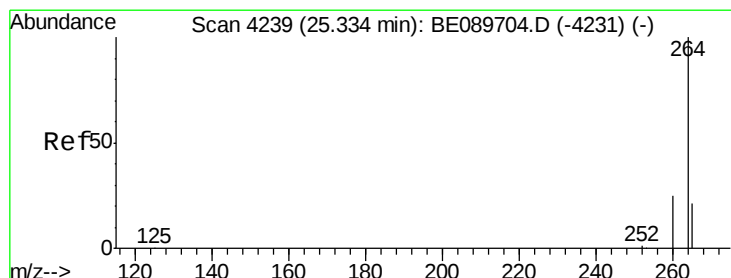
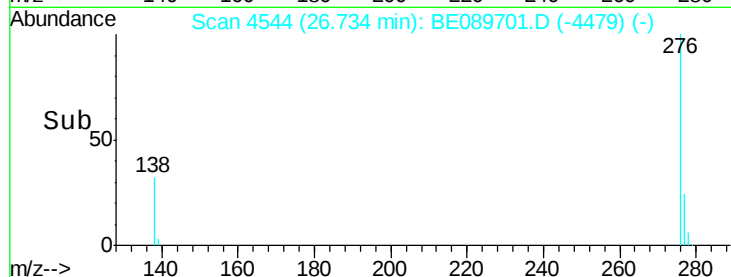
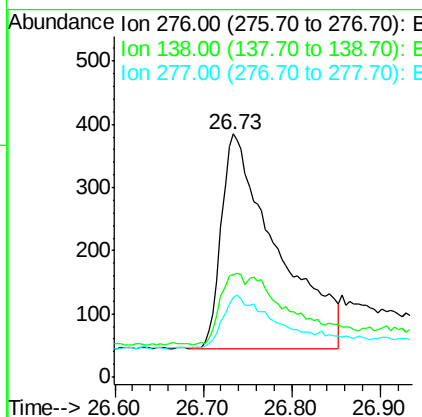
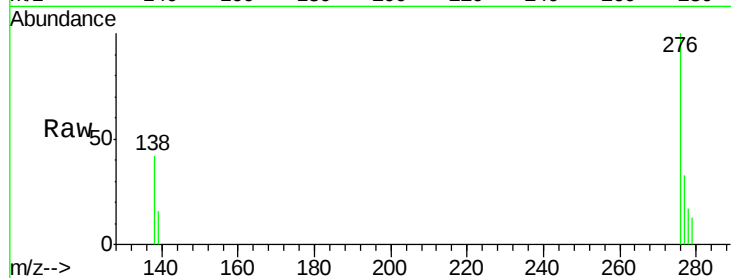
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.23 ng
RT: 26.73 min Scan# 4544
Delta R.T. -0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	29.8	44.6#
277	22.5	19.8	29.6

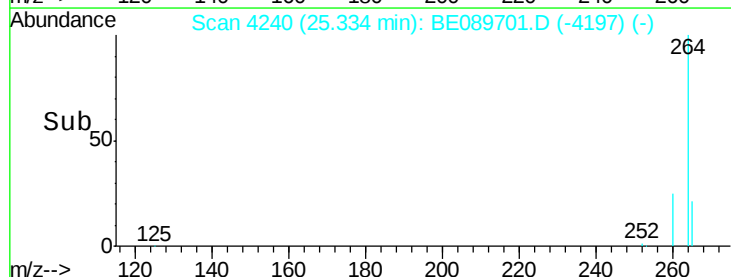
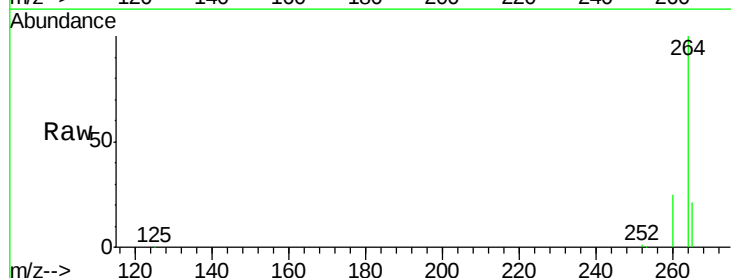
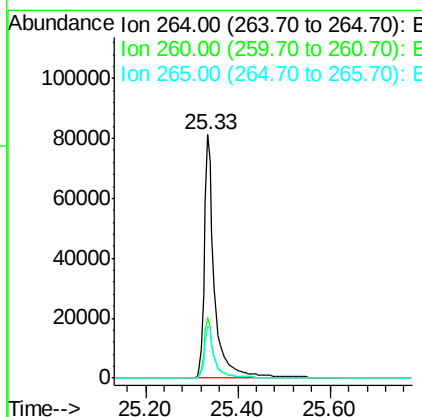
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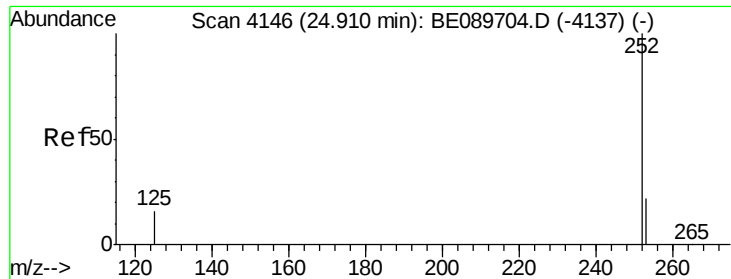
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#27
Perylene-d12
Concen: 5.00 ng
RT: 25.33 min Scan# 4240
Delta R.T. 0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	21.2	16.9	25.3





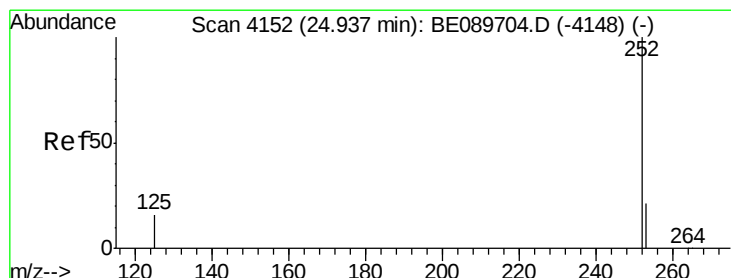
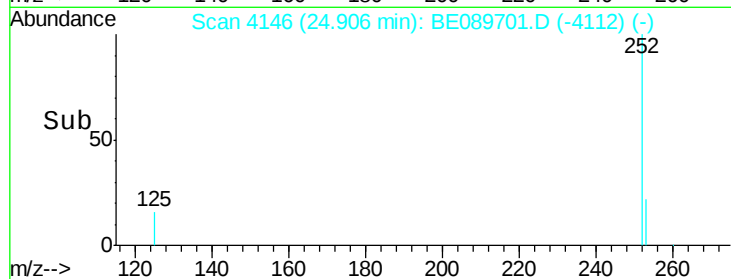
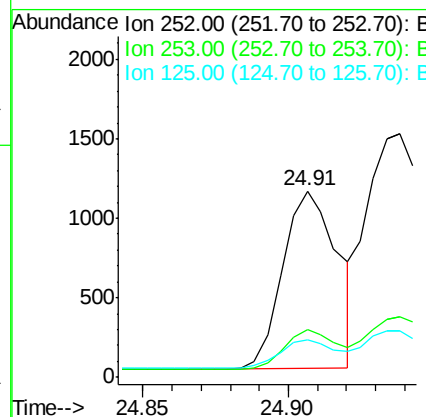
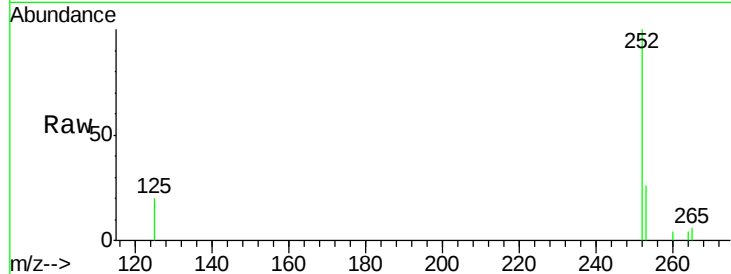
#28
Benzo(b)fluoranthene
Concen: 0.30 ng m
RT: 24.91 min Scan# 4146
Delta R.T. -0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	20.1	12.9	19.3

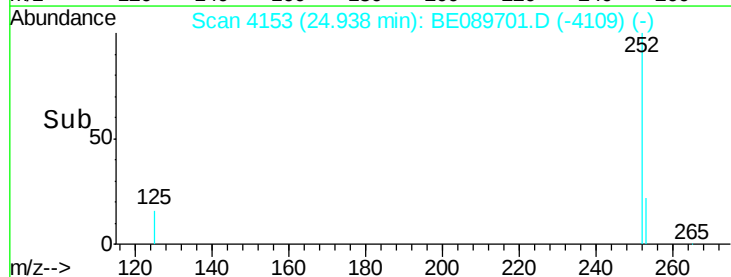
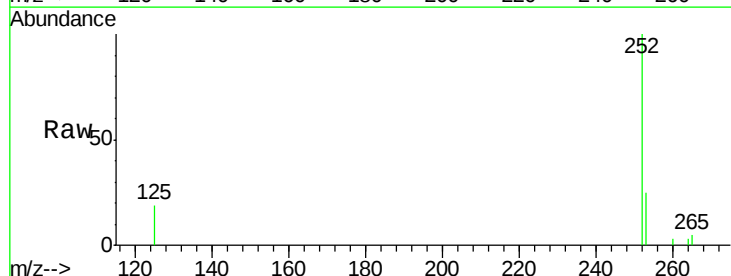
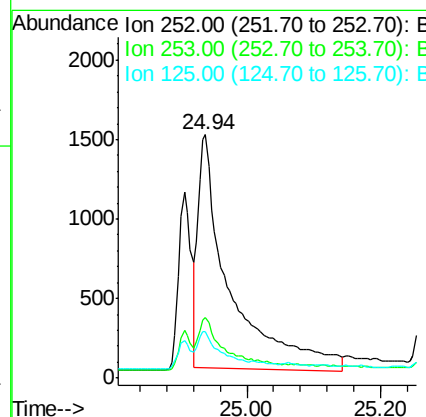
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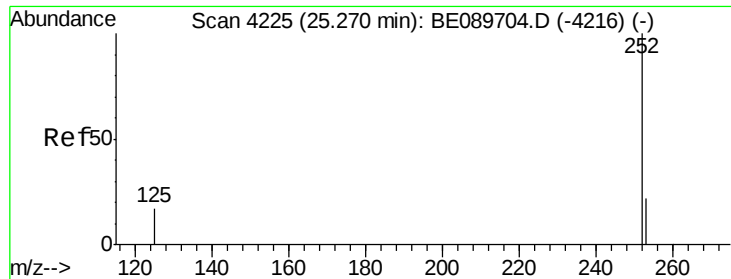
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#29
Benzo(k)fluoranthene
Concen: 0.14 ng m
RT: 24.94 min Scan# 4153
Delta R.T. 0.00 min
Lab File: BE089701.D
Acq: 26 Feb 2015 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	19.1	12.9	19.3





#30

Benzo(a)pyrene

Concen: 0.40 ng

RT: 25.27 min Scan# 4225

Delta R.T. -0.00 min

Lab File: BE089701.D

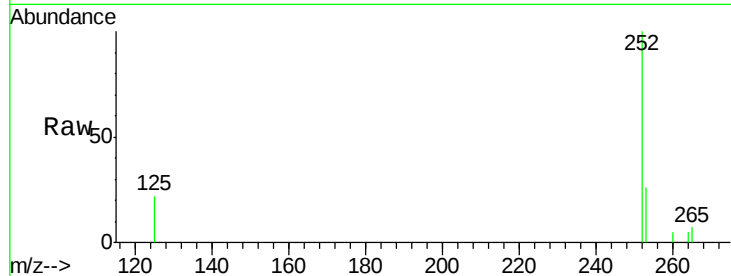
Acq: 26 Feb 2015 22:08

Instrument :

BNA_E

ClientSampleId :

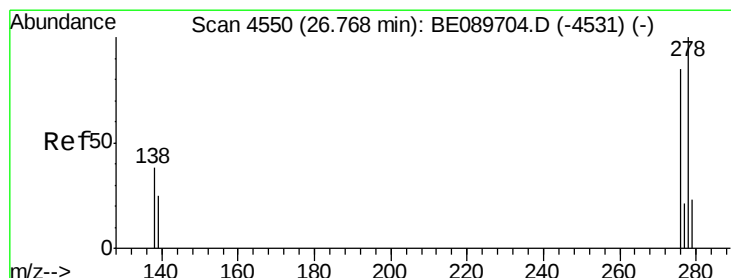
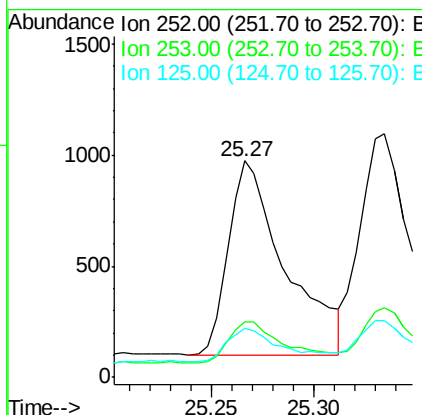
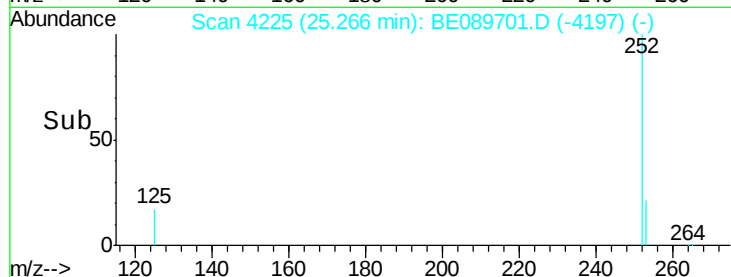
SSTDIC0.2



Tgt Ion:	252	Resp:	1674
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	22.4	14.0	21.0#

Manual Integrations
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#31

Dibenzo(a,h)anthracene

Concen: 0.42 ng

RT: 26.77 min Scan# 4551

Delta R.T. -0.00 min

Lab File: BE089701.D

Acq: 26 Feb 2015 22:08

Tgt Ion:	278	Resp:	1078
Ion Ratio	Lower	Upper	
278	100		
139	38.9	21.1	31.7#
279	34.1	19.3	28.9#

