

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089704.D
 Acq On : 27 Feb 2015 00:04
 Operator : TP/JJ
 Sample : SSTDICC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

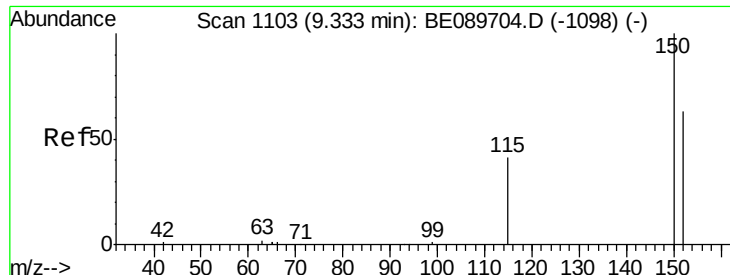
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Quant Time: Feb 27 05:06:43 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 04:47:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	62553	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	272690	5.00	ng	0.00
13) Acenaphthene-d10	16.41	164	126771	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	228734	5.00	ng	0.00
20) Chrysene-d12	23.65	240	184375	5.00	ng	0.00
27) Perylene-d12	25.33	264	144099	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.49	112	14149	0.74	ng	0.00
4) Phenol-d6	8.61	99	19189	0.81	ng	0.00
8) Nitrobenzene-d5	10.60	82	12758	0.69	ng	0.00
14) 2,4,6-Tribromophenol	18.30	330	1009	0.38	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	26280	0.70	ng	0.00
22) Terphenyl-d14	22.30	244	20528	1.01	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.36	42	8876m	0.88	ng	Qvalue
5) Phenol	8.64	94	21031	0.83	ng	# 57
6) bis(2-Chloroethyl)ether	8.82	93	16362	0.87	ng	# 100
9) Nitrobenzene	10.64	77	15225	0.72	ng	100
10) 2,4-Dimethylphenol	11.57	122	11612	0.72	ng	100
11) 2,4-Dichlorophenol	11.95	162	8422	0.69	ng	100
12) Hexachlorobutadiene	12.62	225	4748	0.55	ng	100
16) 2,4-Dinitrophenol	16.65	184	294	0.84	ng	100
18) Hexachlorobenzene	18.98	284	5452	0.55	ng	100
19) Pentachlorophenol	19.43	266	668	0.55	ng	100
21) Benzidine	21.96	184	6086	0.43	ng	100
23) Benzo(a)anthracene	23.64	228	117331	0.71	ng	100
24) 3,3'-Dichlorobenzidine	23.63	252	5264	0.61	ng	100
25) Chrysene	23.68	228	146318	0.72	ng	100
26) Indeno(1,2,3-cd)pyrene	26.74	276	16125	0.54	ng	# 48
28) Benzo(b)fluoranthene	24.91	252	11410	0.67	ng	100
29) Benzo(k)fluoranthene	24.94	252	33915	0.84	ng	100
30) Benzo(a)pyrene	25.27	252	13628	0.73	ng	100
31) Dibenzo(a,h)anthracene	26.77	278	11624	0.68	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

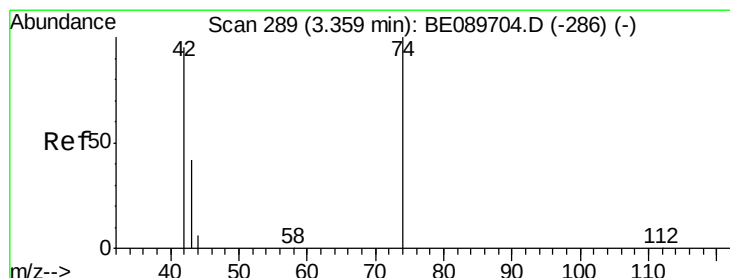
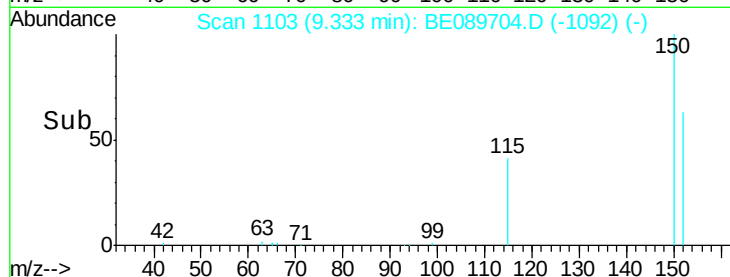
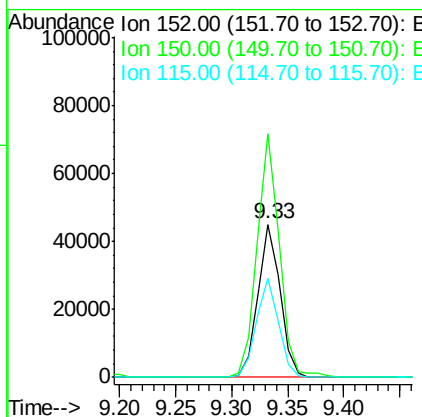
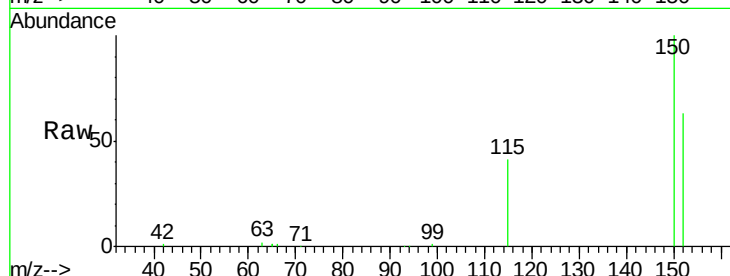
ClientSampleId :

SSTDICCC001

Tgt Ion:	152	Resp:	62553
Ion Ratio	Lower	Upper	
152	100		
150	159.1	127.3	190.9
115	65.0	52.0	78.0

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#2

n-Nitrosodimethylamine

Concen: 0.88 ng

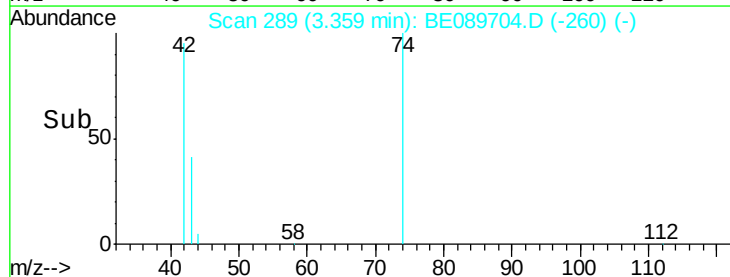
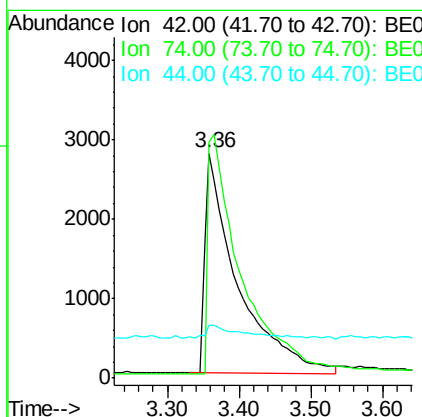
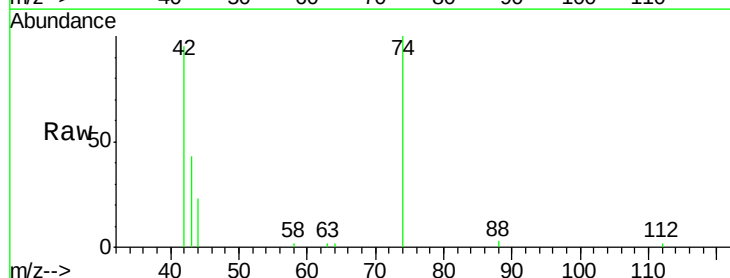
RT: 3.36 min Scan# 289

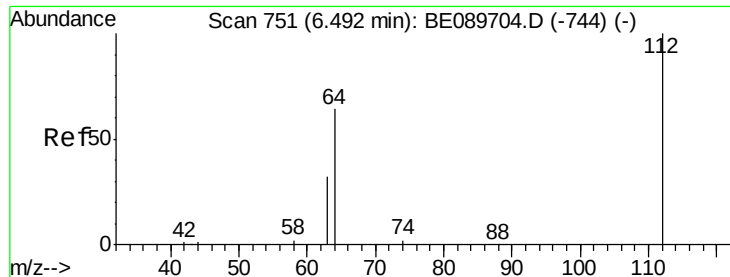
Delta R.T. 0.00 min

Lab File: BE089704.D

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Tgt Ion:	42	Resp:	8876
Ion Ratio	Lower	Upper	
42	100		
74	104.8	83.8	125.8
44	23.8	19.0	28.6





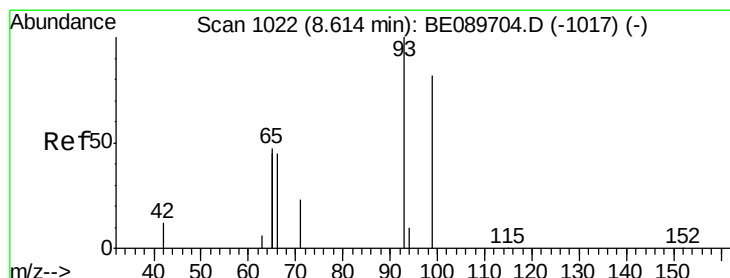
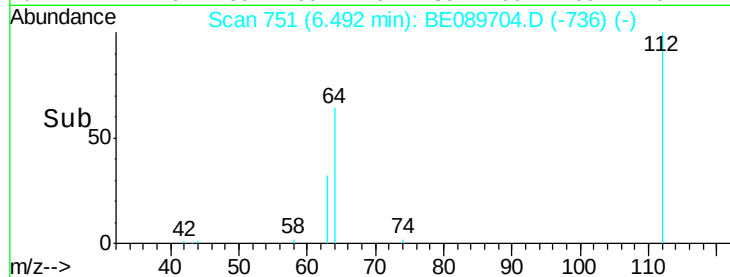
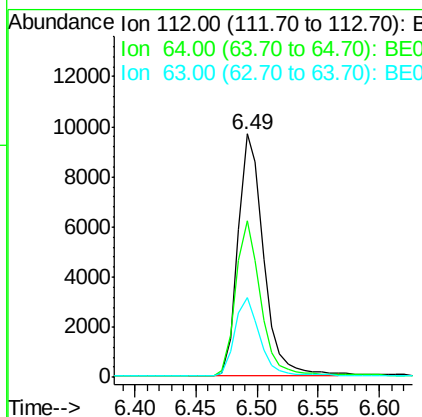
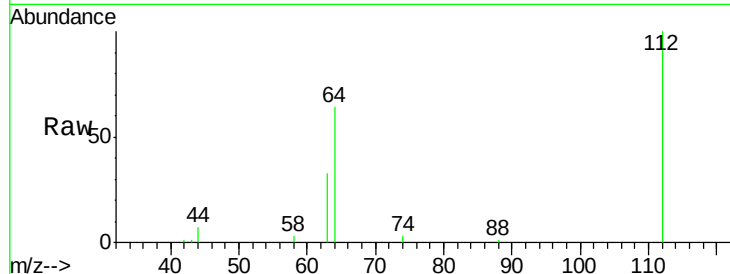
#3
 2-Fluorophenol
 Concen: 0.74 ng
 RT: 6.49 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCCC001

Tgt Ion:	112	Resp:	14149
Ion Ratio	Lower	Upper	
112	100		
64	64.1	51.3	76.9
63	32.7	26.2	39.2

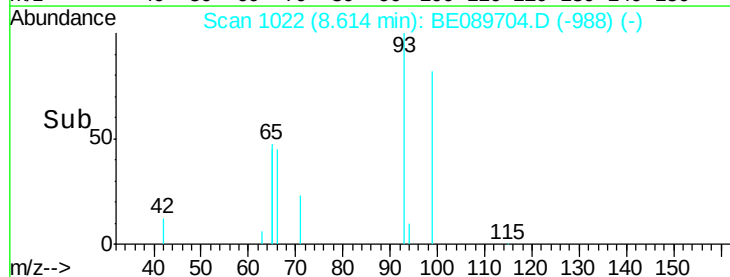
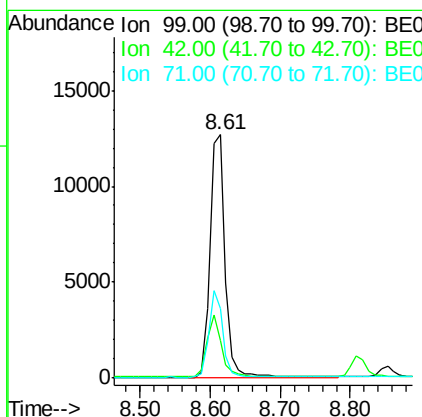
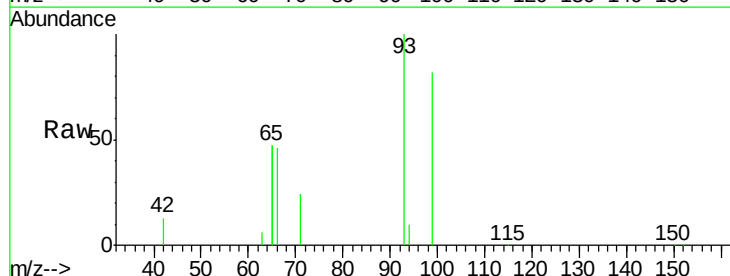
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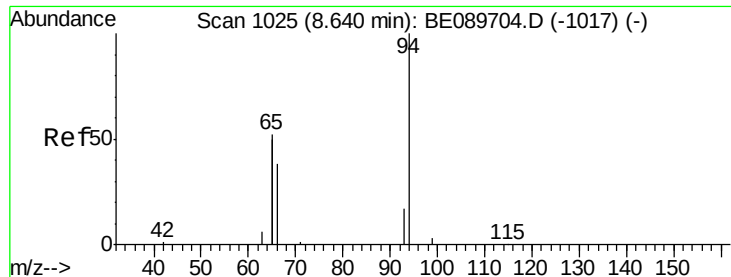
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#4
 Phenol-d6
 Concen: 0.81 ng
 RT: 8.61 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Tgt Ion:	99	Resp:	19189
Ion Ratio	Lower	Upper	
99	100		
42	15.4	12.3	18.5
71	28.6	22.9	34.3





#5

Phenol

Concen: 0.83 ng

RT: 8.64 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

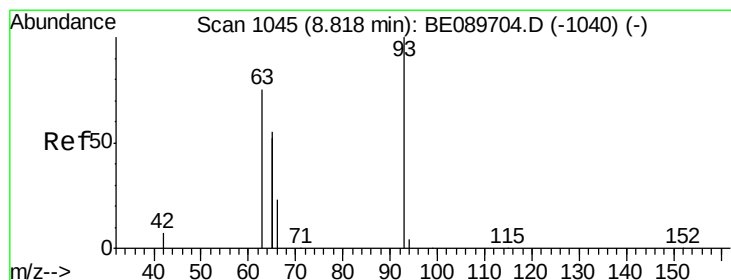
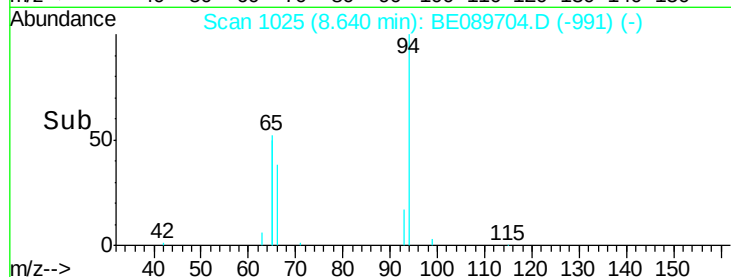
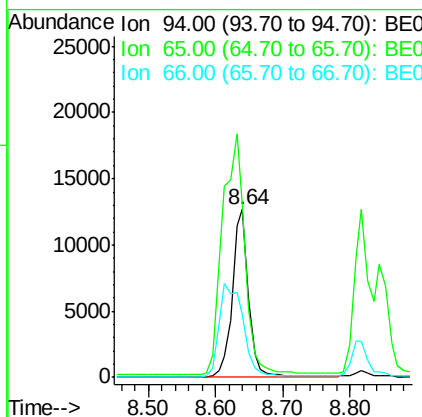
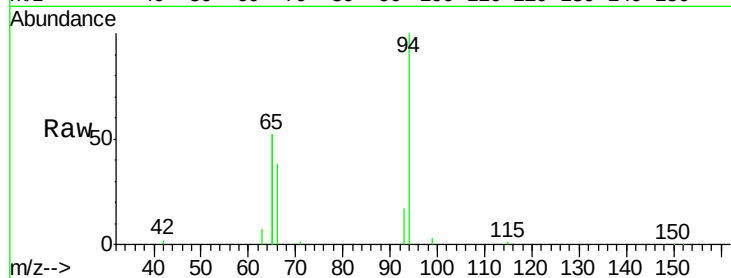
ClientSampleId :

SSTDICCC001

Tgt Ion:	94	Resp:	21031
Ion	Ratio	Lower	Upper
94	100		
65	103.4	31.7	71.7#
66	37.9	17.9	57.9

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#6

bis(2-Chloroethyl)ether

Concen: 0.87 ng

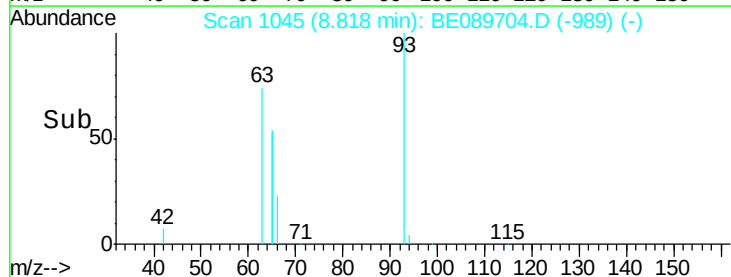
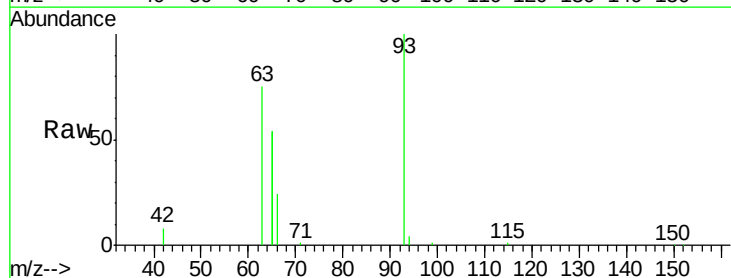
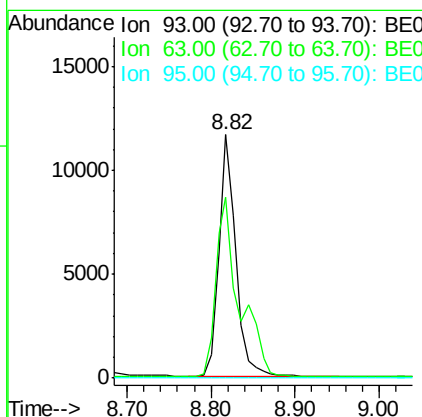
RT: 8.82 min Scan# 1045

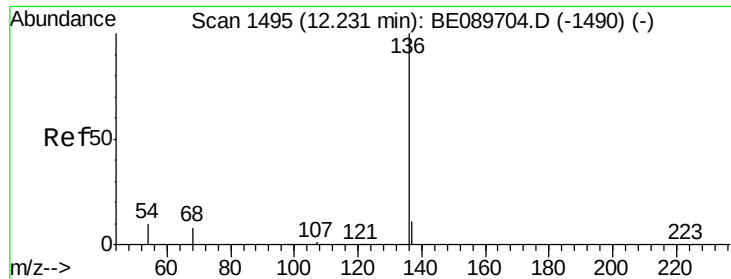
Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Tgt Ion:	93	Resp:	16362
Ion	Ratio	Lower	Upper
93	100		
63	104.8	83.8	125.8
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

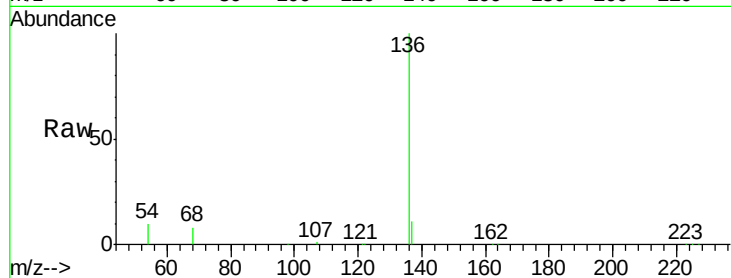
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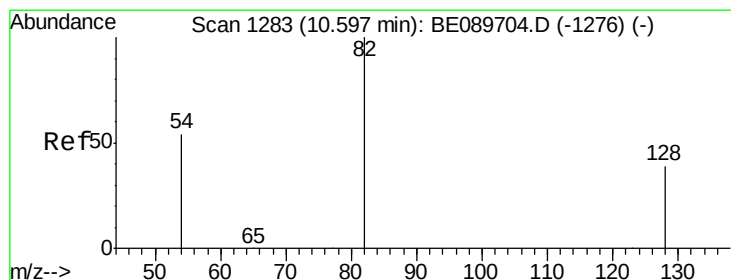
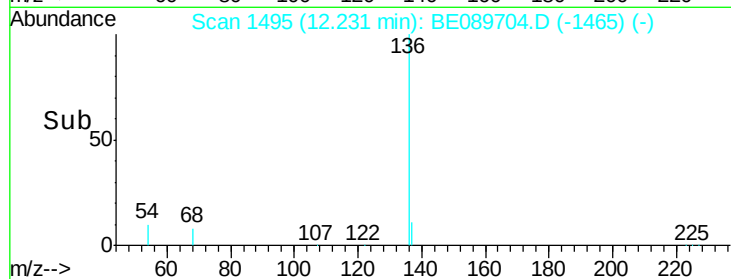
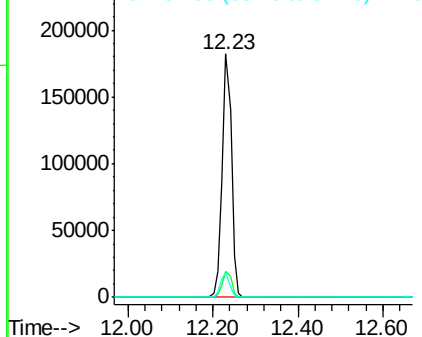
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	272690		
137	10.8	8.6	13.0	
54	10.1	8.1	12.1	

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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: 0.69 ng

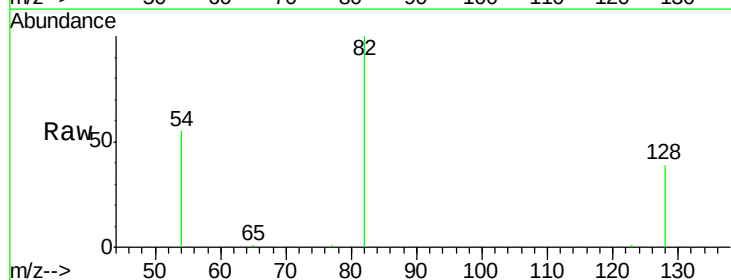
RT: 10.60 min Scan# 1283

Delta R.T. 0.00 min

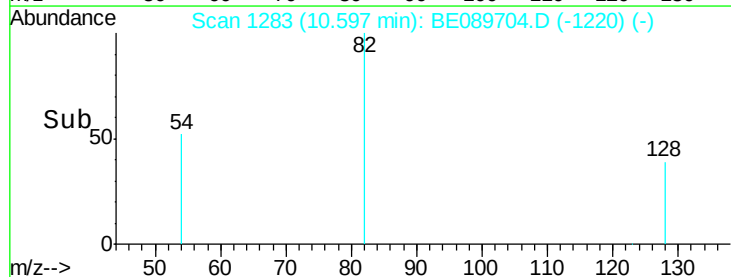
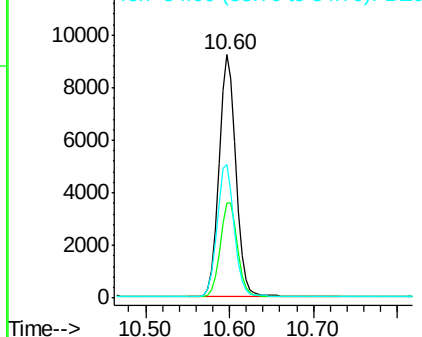
Lab File: BE089704.D

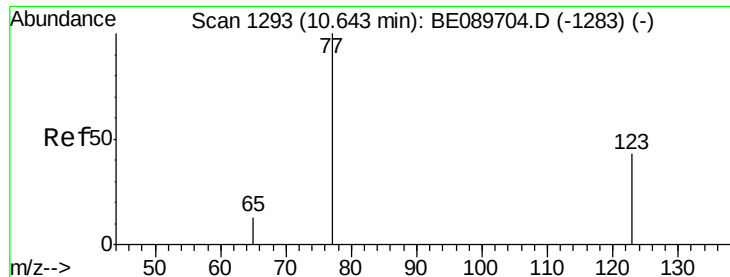
Acq: 27 Feb 2015 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	12758		
128	39.3	31.4	47.2	
54	54.8	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: 0.72 ng

RT: 10.64 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

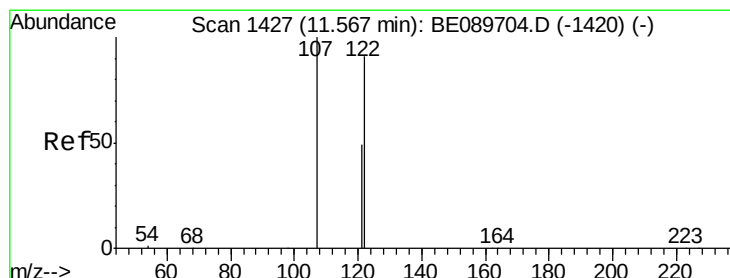
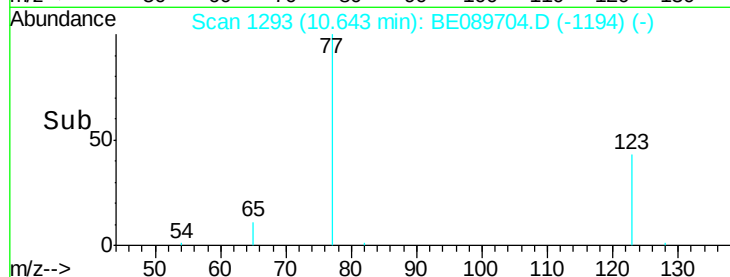
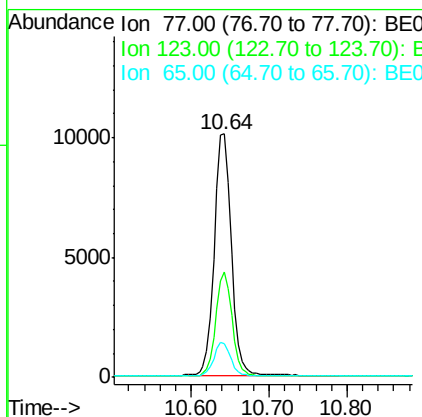
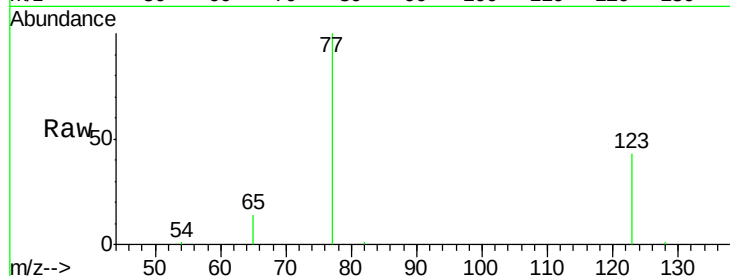
ClientSampled :

SSTDICCC001

Tgt Ion:	77	Resp:	15225
Ion	Ratio	Lower	Upper
77	100		
123	41.5	33.2	49.8
65	13.2	10.6	15.8

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#10

2,4-Dimethylphenol

Concen: 0.72 ng

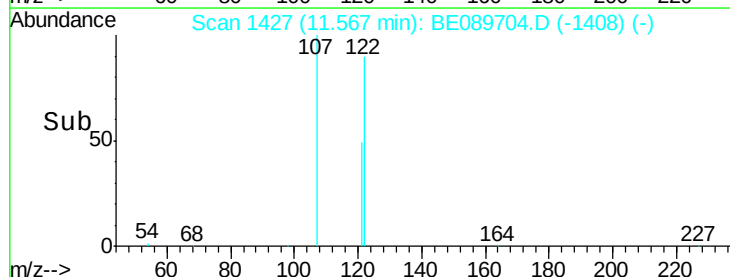
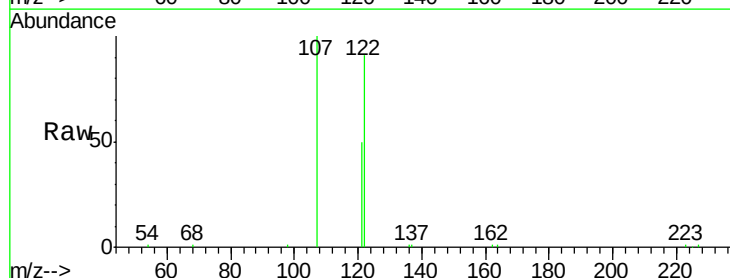
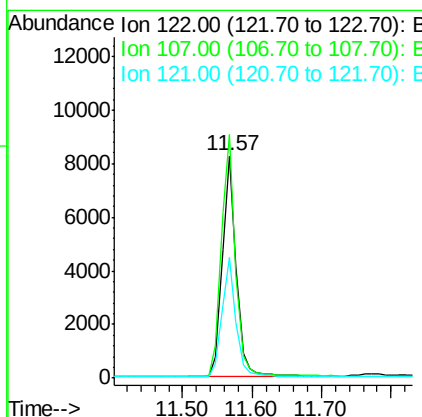
RT: 11.57 min Scan# 1427

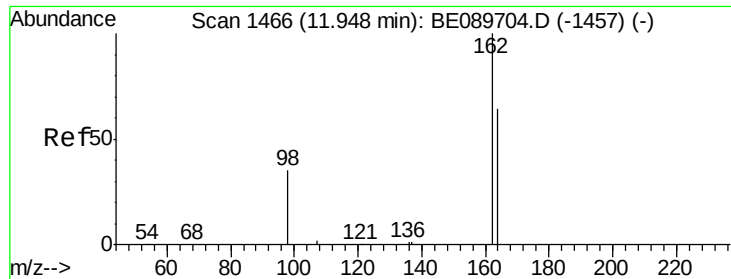
Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Tgt Ion:	122	Resp:	11612
Ion	Ratio	Lower	Upper
122	100		
107	109.5	87.6	131.4
121	54.3	43.4	65.2





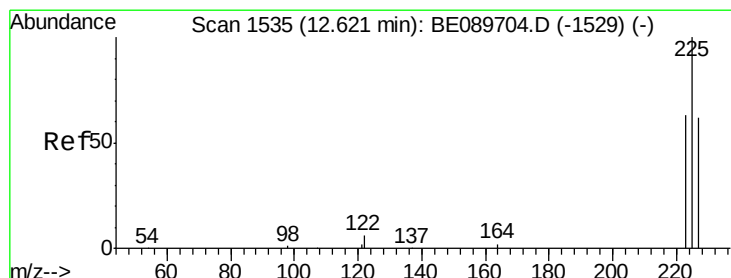
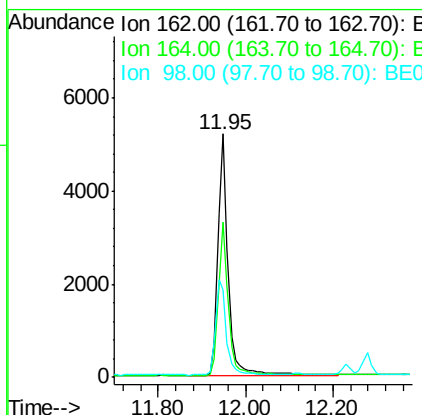
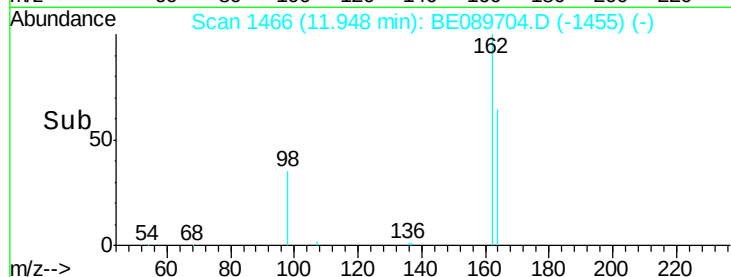
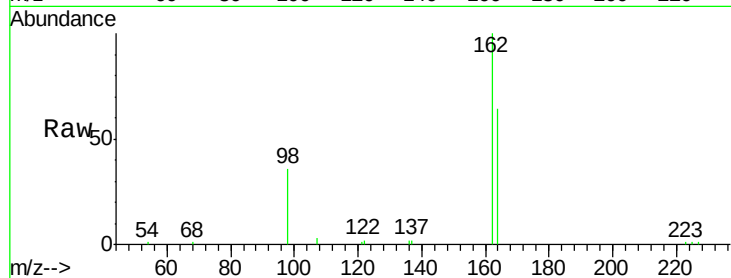
#11
 2,4-Dichlorophenol
 Concen: 0.69 ng
 RT: 11.95 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Instrument :
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 ClientSampleId :
 SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	35.7	15.7	55.7

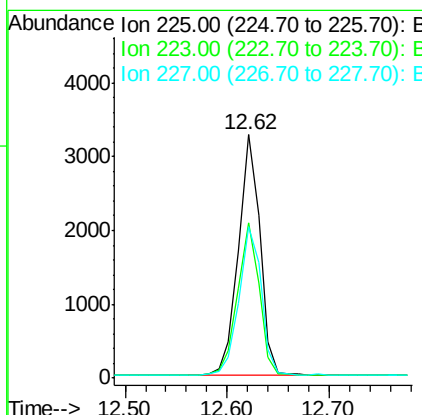
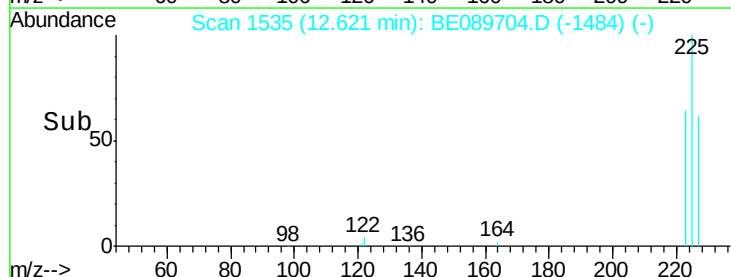
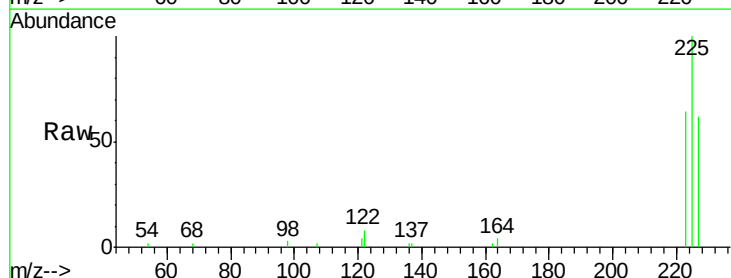
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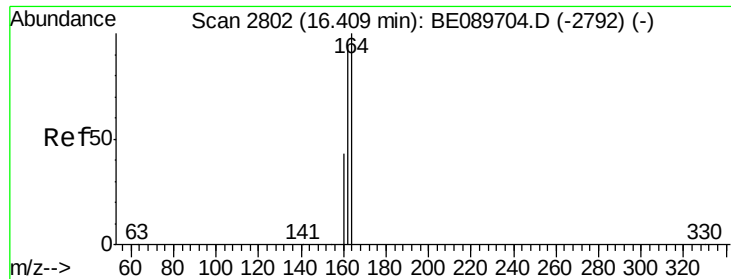
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#12
 Hexachlorobutadiene
 Concen: 0.55 ng
 RT: 12.62 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.5	50.8	76.2





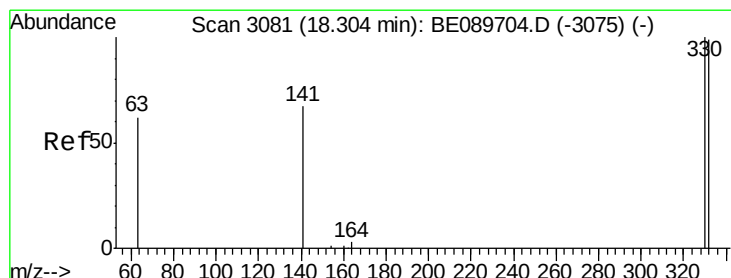
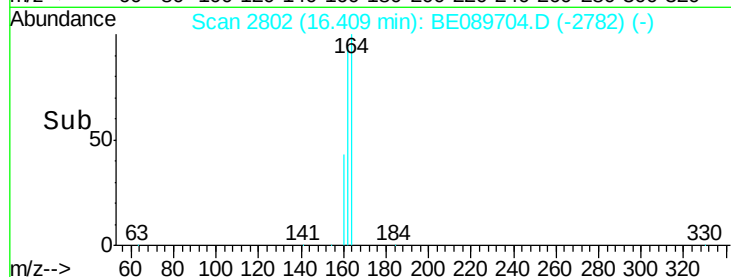
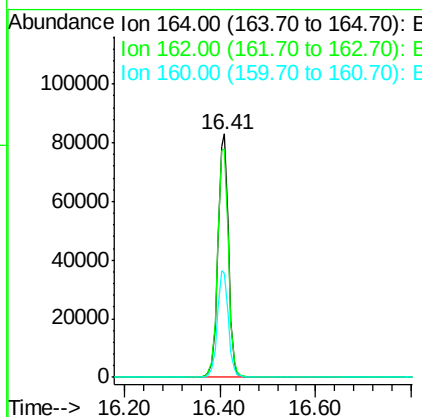
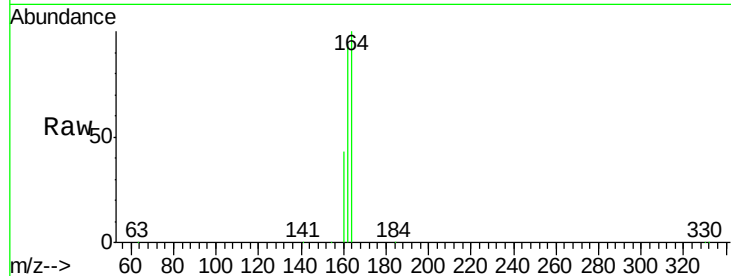
#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.41 min Scan# 2802
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.8	75.0	112.6
160	42.9	34.3	51.5

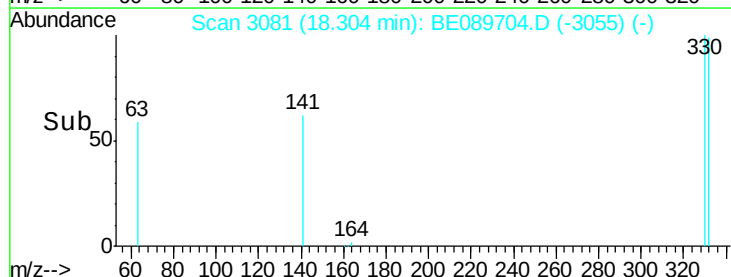
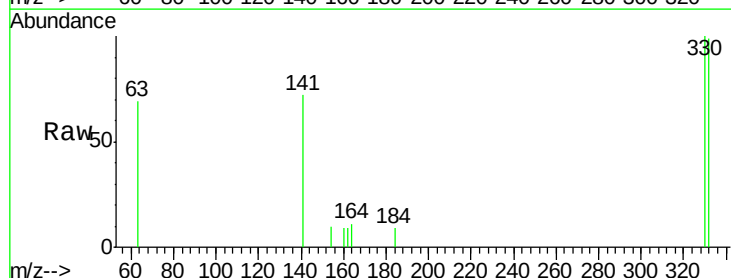
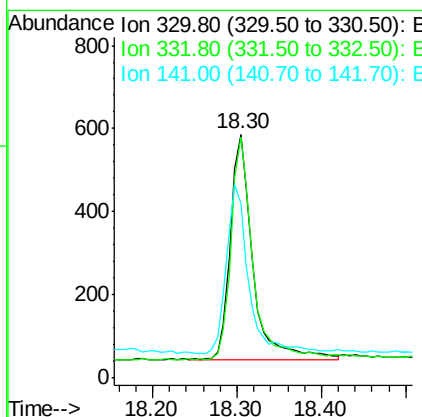
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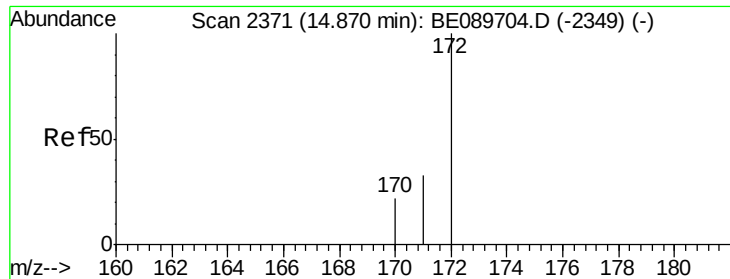
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#14
 2,4,6-Tribromophenol
 Concen: 0.38 ng
 RT: 18.30 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

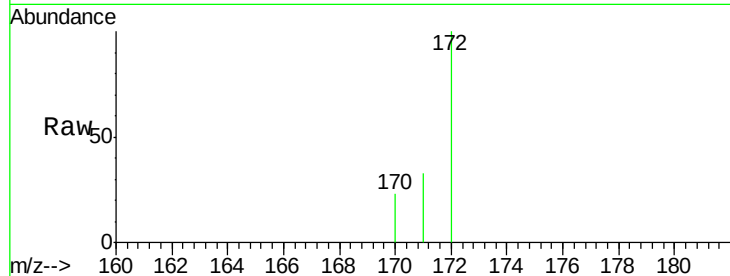
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	72.9	0.0	0.0#





#15
2-Fluorobiphenyl
Concen: 0.70 ng
RT: 14.87 min Scan# 2371
Delta R.T. 0.00 min
Lab File: BE089704.D
Acq: 27 Feb 2015 00:04

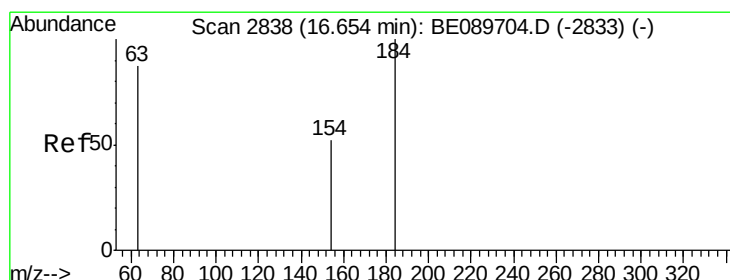
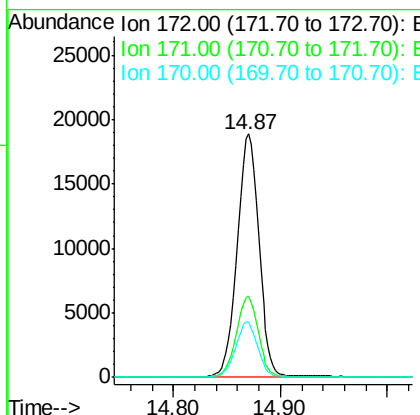
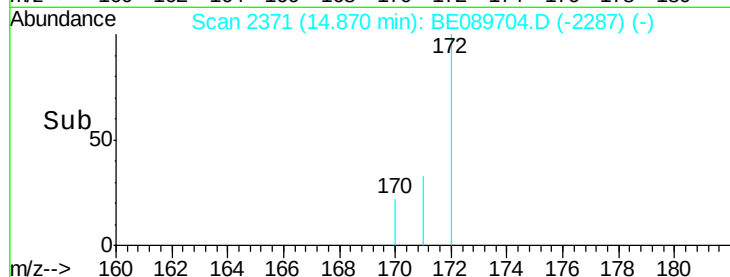
Instrument :
BNA_E
ClientSampleId :
SSTDICCC001



Tgt Ion:172 Resp: 26280
Ion Ratio Lower Upper
172 100
171 33.5 26.8 40.2
170 22.5 18.0 27.0

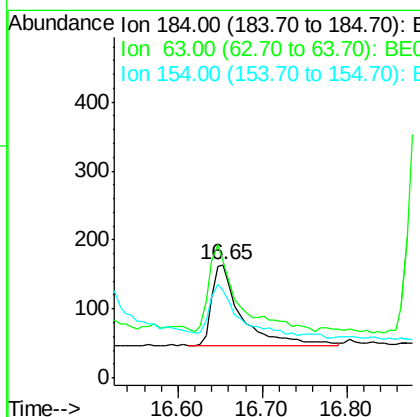
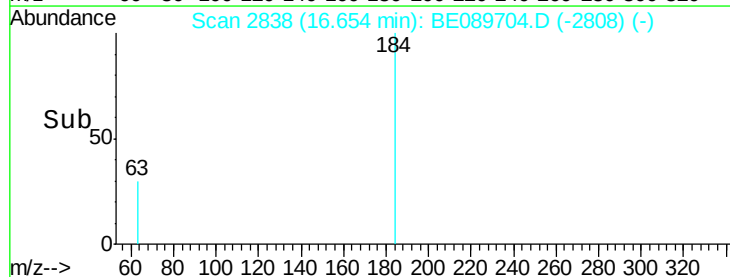
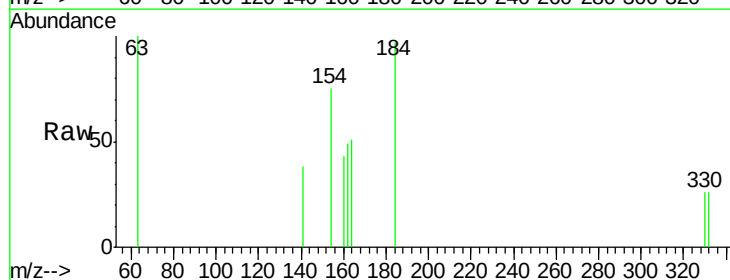
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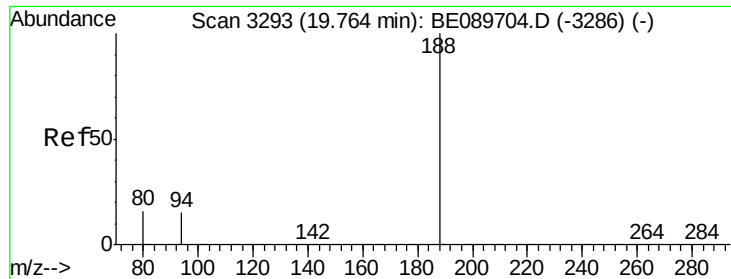
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#16
2,4-Dinitrophenol
Concen: 0.84 ng
RT: 16.65 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BE089704.D
Acq: 27 Feb 2015 00:04

Tgt Ion:184 Resp: 294
Ion Ratio Lower Upper
184 100
63 103.0 82.4 123.6
154 76.8 61.4 92.2





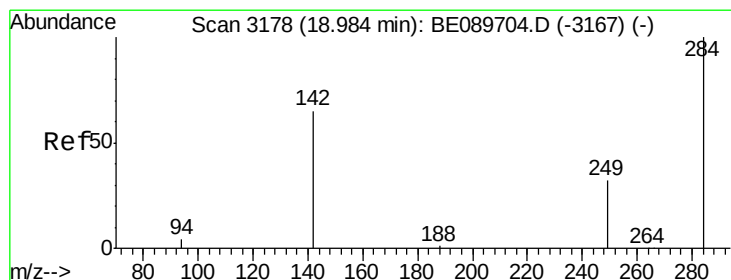
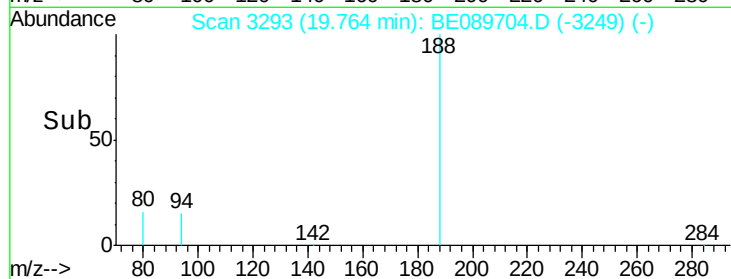
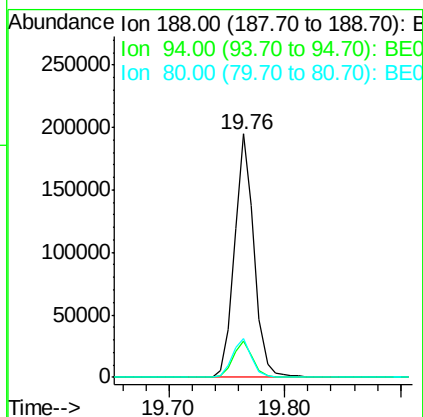
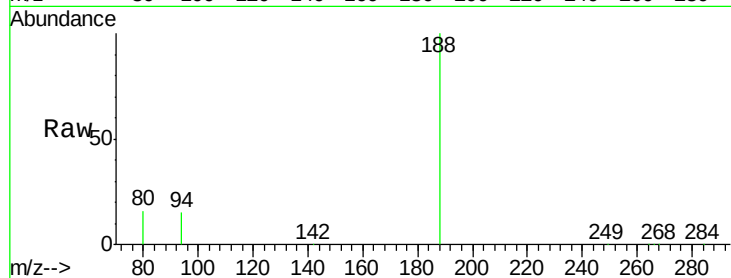
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3293
Delta R.T. 0.00 min
Lab File: BE089704.D
Acq: 27 Feb 2015 00:04

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	228734		
94	15.1	12.1	18.1	
80	15.9	12.7	19.1	

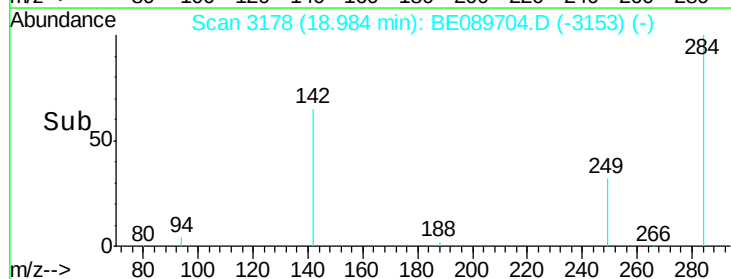
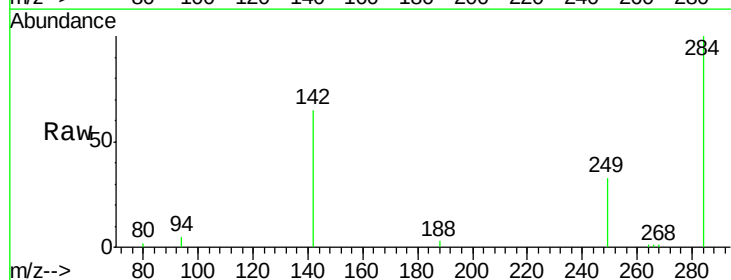
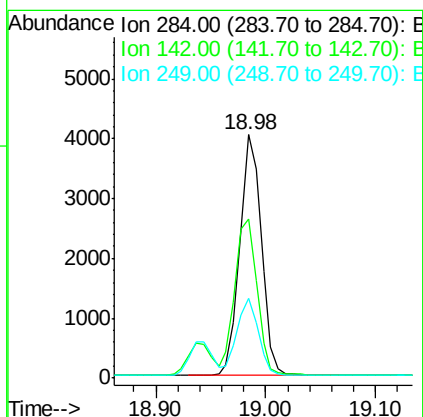
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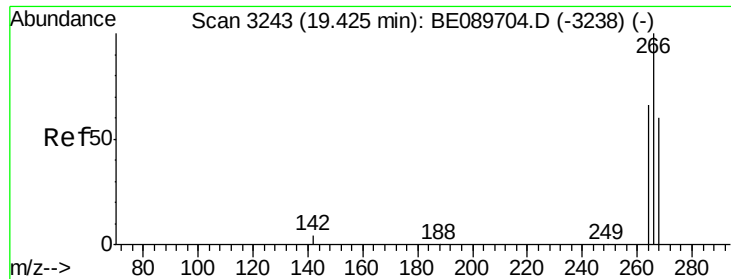
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#18
Hexachlorobenzene
Concen: 0.55 ng
RT: 18.98 min Scan# 3178
Delta R.T. 0.00 min
Lab File: BE089704.D
Acq: 27 Feb 2015 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	5452		
142	65.3	52.2	78.4	
249	33.0	26.4	39.6	





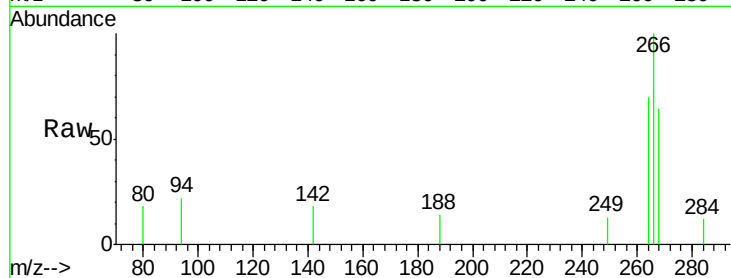
#19
 Pentachlorophenol
 Concen: 0.55 ng
 RT: 19.43 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

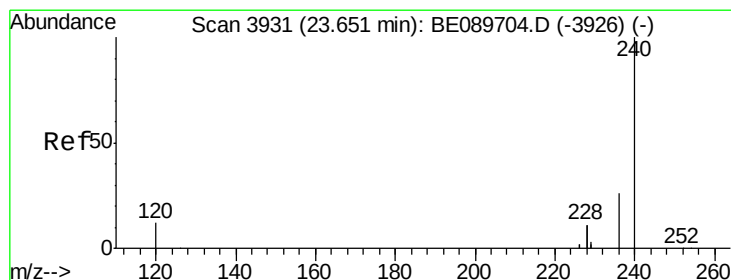
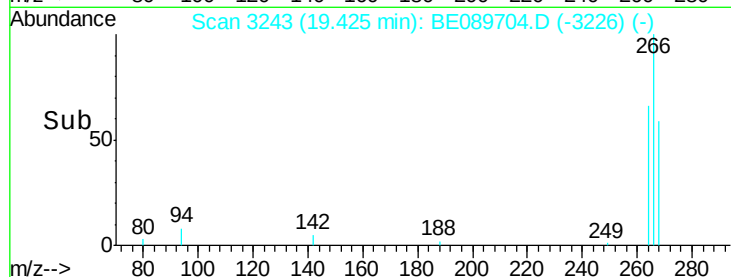
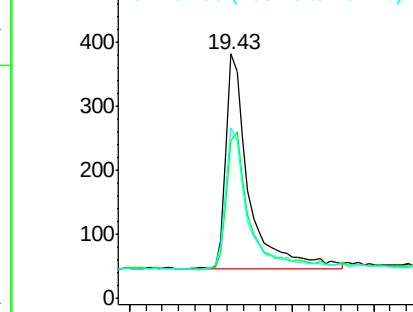
Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.4	77.2
264	69.8	55.8	83.8

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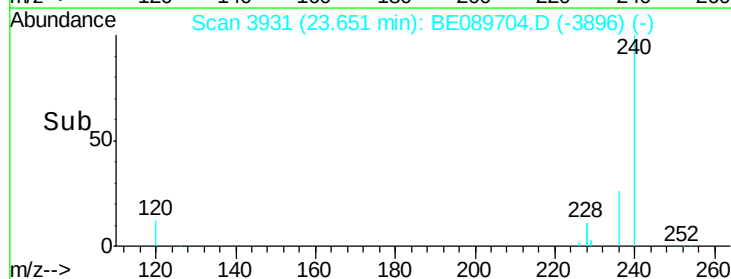
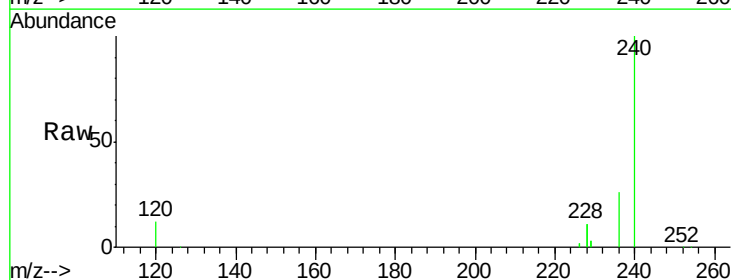
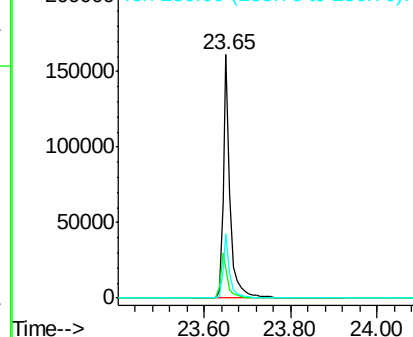
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

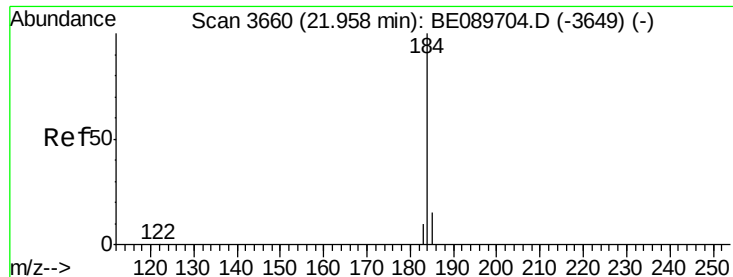


#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	26.3	21.0	31.6

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.43 ng

RT: 21.96 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

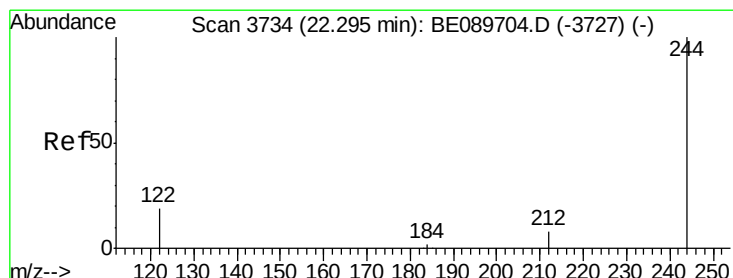
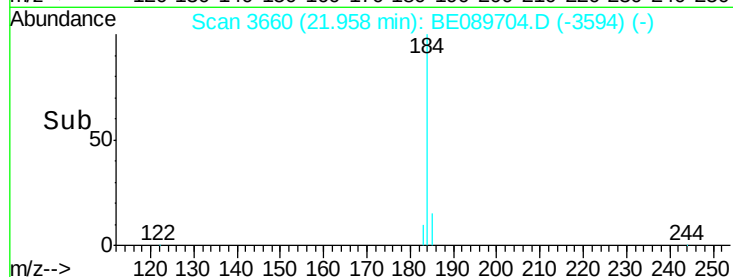
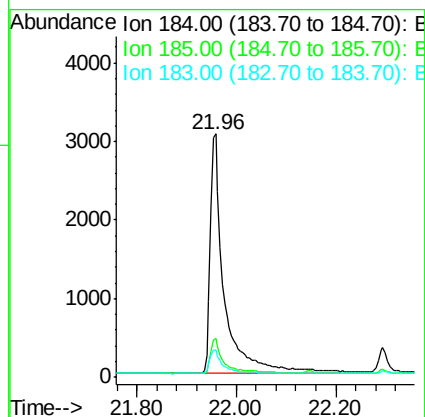
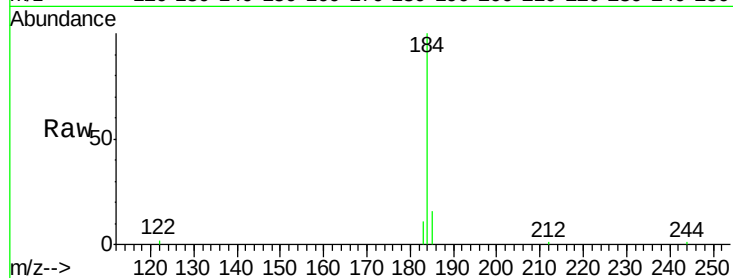
ClientSampleId :

SSTDICCC001

Tgt Ion:	184	Resp:	6086
Ion Ratio	Lower	Upper	
184	100		
185	16.0	12.8	19.2
183	11.0	8.8	13.2

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#22

Terphenyl-d14

Concen: 1.01 ng

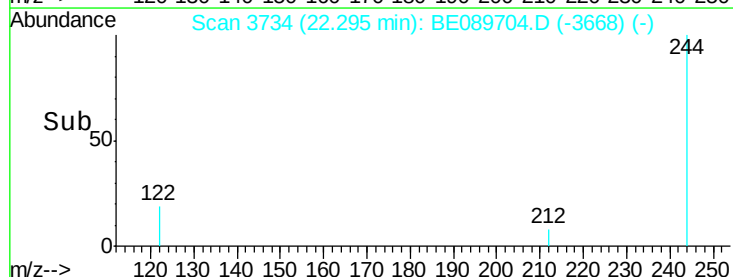
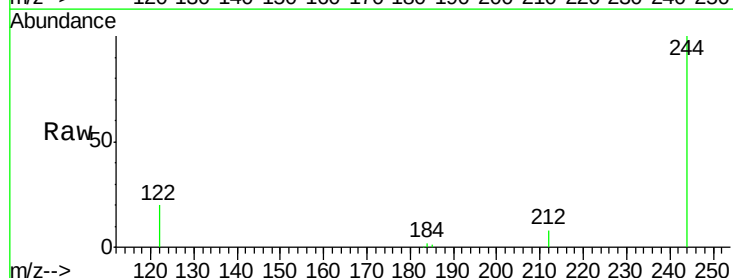
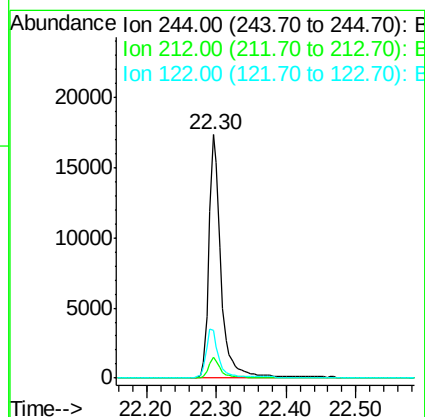
RT: 22.30 min Scan# 3734

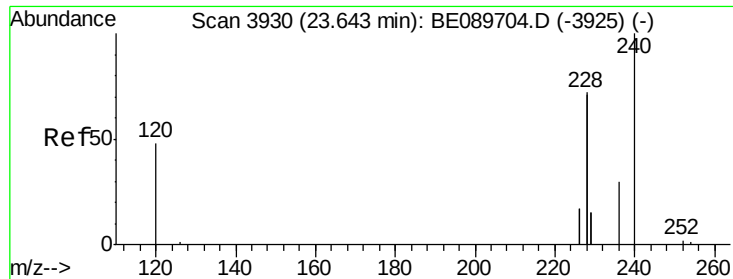
Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Tgt Ion:	244	Resp:	20528
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.7	10.1
122	19.6	15.7	23.5





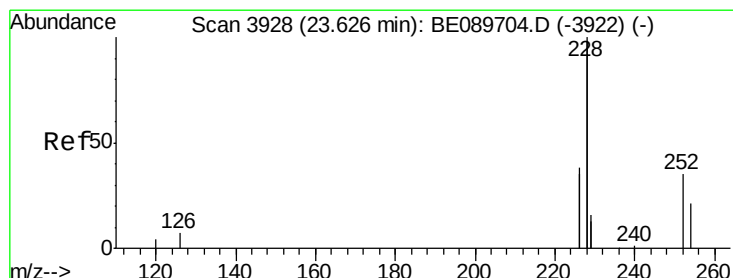
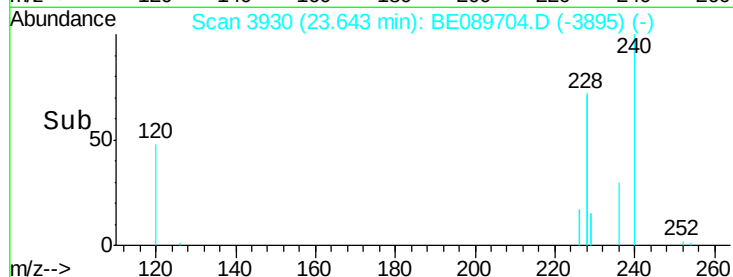
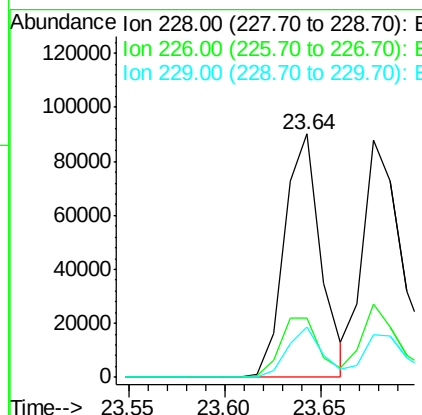
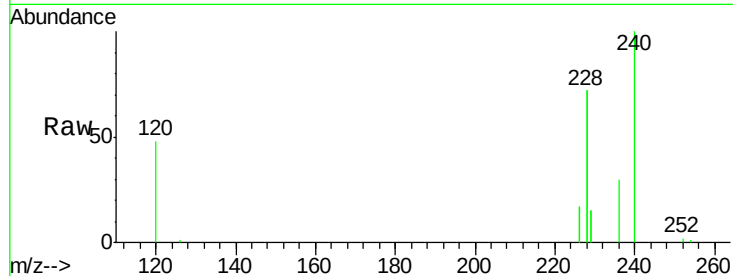
#23
Benzo(a)anthracene
Concen: 0.71 ng
RT: 23.64 min Scan# 3930
Delta R.T. 0.00 min
Lab File: BE089704.D
Acq: 27 Feb 2015 00:04

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.1	19.3	28.9
229	20.8	16.6	25.0

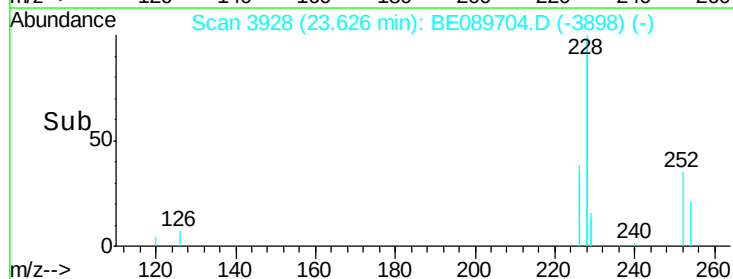
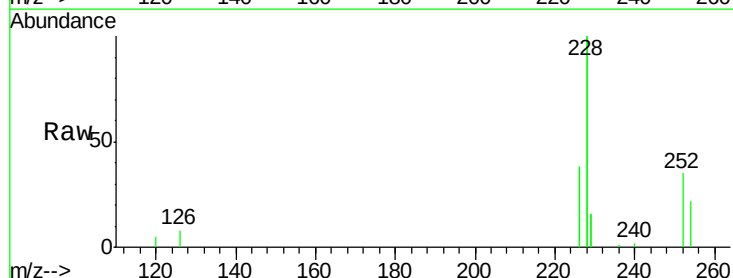
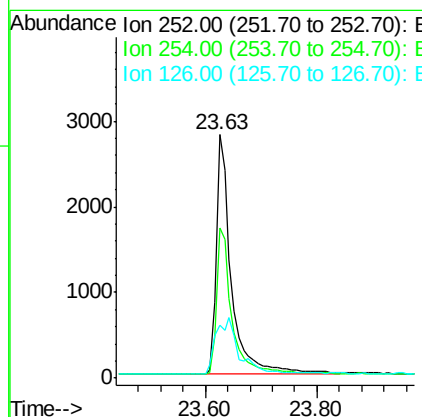
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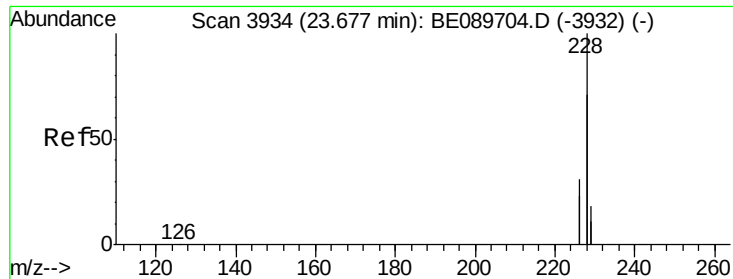
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#24
3,3'-Dichlorobenzidine
Concen: 0.61 ng
RT: 23.63 min Scan# 3928
Delta R.T. 0.00 min
Lab File: BE089704.D
Acq: 27 Feb 2015 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.8	49.4	74.2
126	21.8	17.4	26.2





#25

Chrysene

Concen: 0.72 ng

RT: 23.68 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

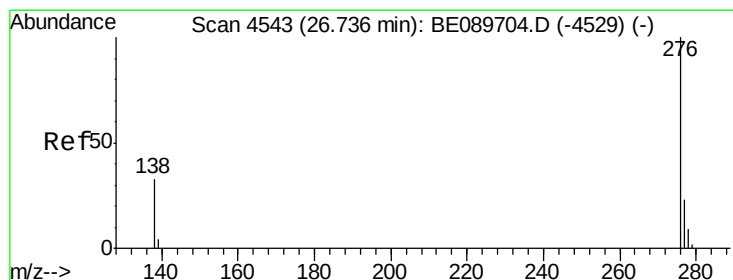
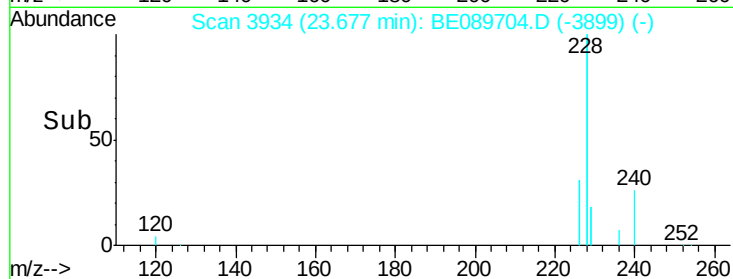
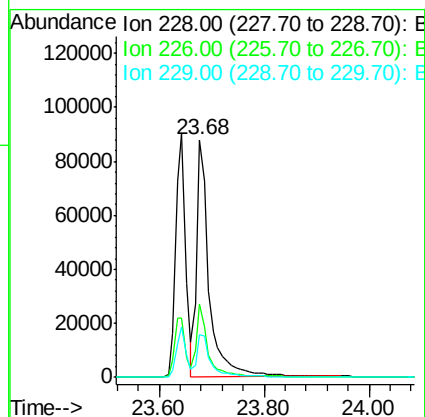
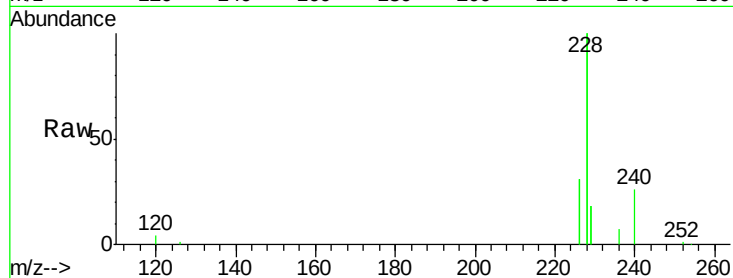
ClientSampleId :

SSTDICCC001

Tgt Ion:	228	Resp:	146318
Ion Ratio		Lower	Upper
228	100		
226	30.9	24.7	37.1
229	18.0	14.4	21.6

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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.54 ng

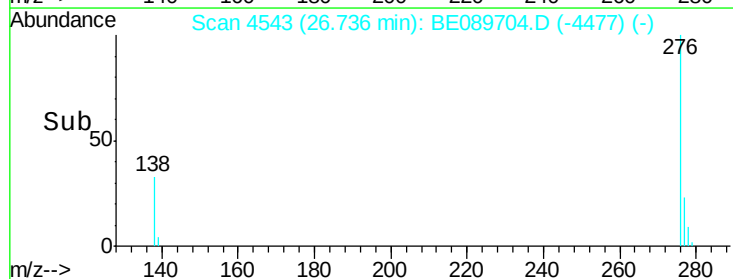
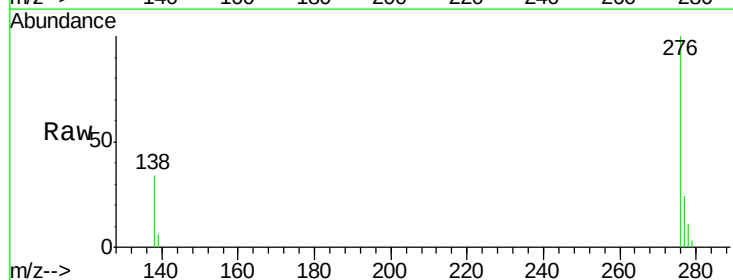
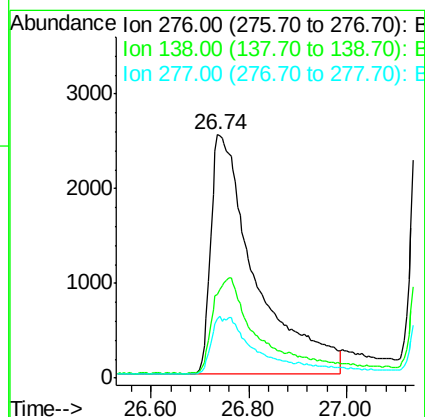
RT: 26.74 min Scan# 4543

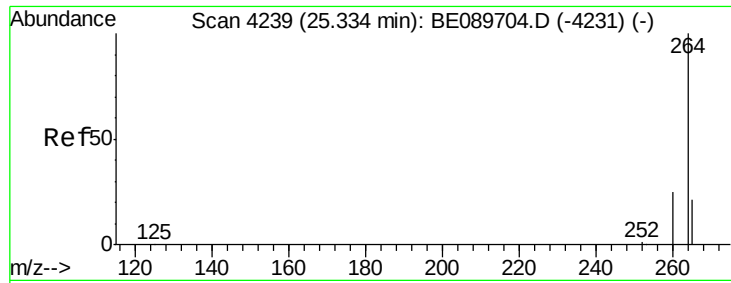
Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Tgt Ion:	276	Resp:	16125
Ion Ratio		Lower	Upper
276	100		
138	0.0	29.8	44.6#
277	5.9	19.8	29.6#





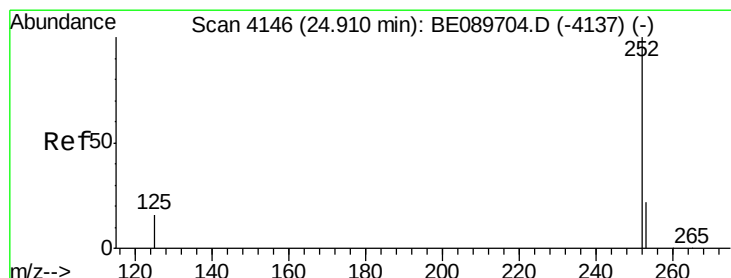
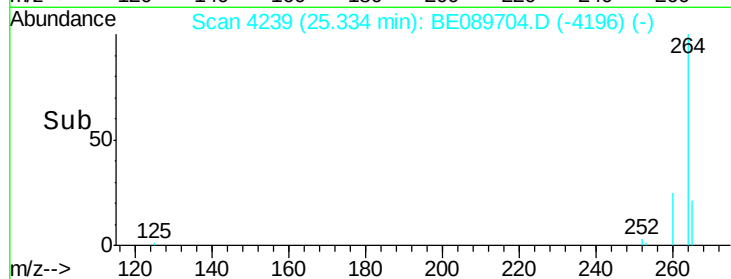
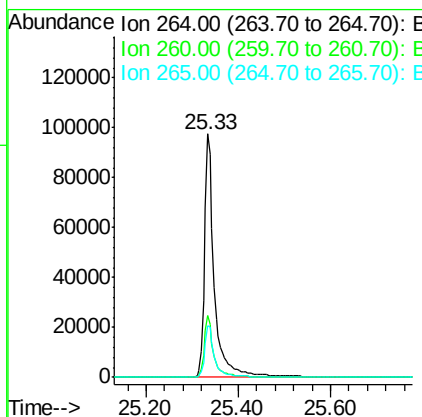
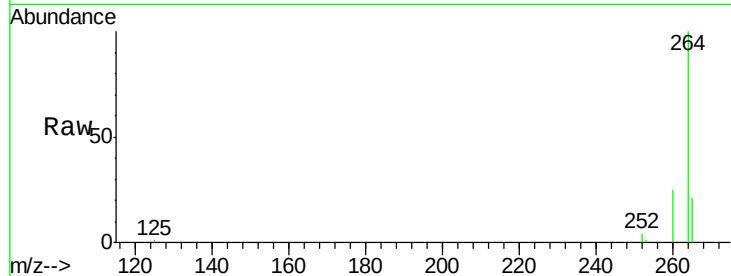
#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.33 min Scan# 4239
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	21.1	16.9	25.3

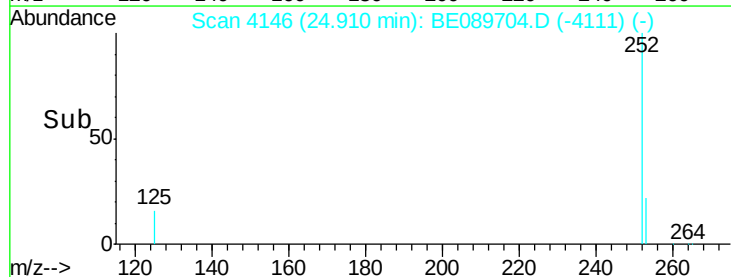
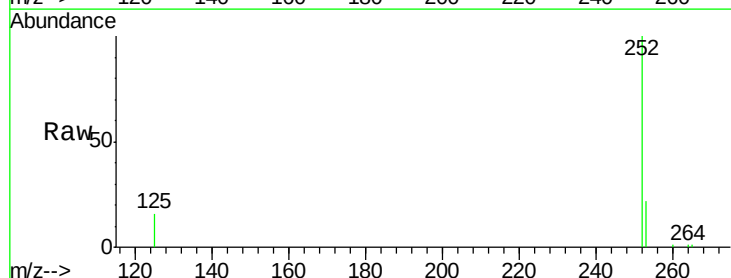
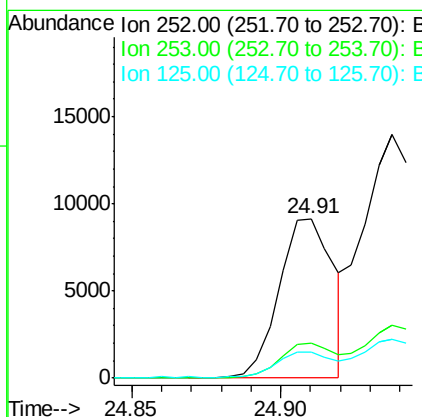
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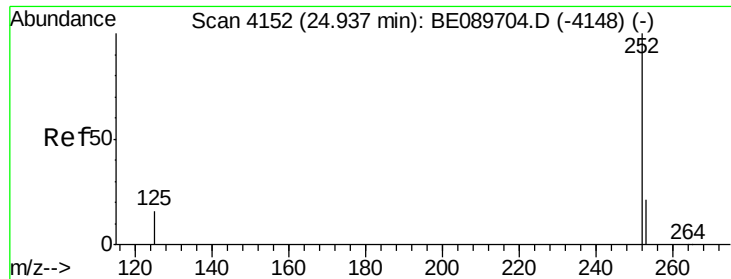
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#28
Benzo(b)fluoranthene
 Concen: 0.67 ng
 RT: 24.91 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BE089704.D
 Acq: 27 Feb 2015 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	16.1	12.9	19.3





#29

Benzo(k)fluoranthene

Concen: 0.84 ng

RT: 24.94 min Scan# 4152

Delta R.T. 0.00 min

Lab File: BE089704.D

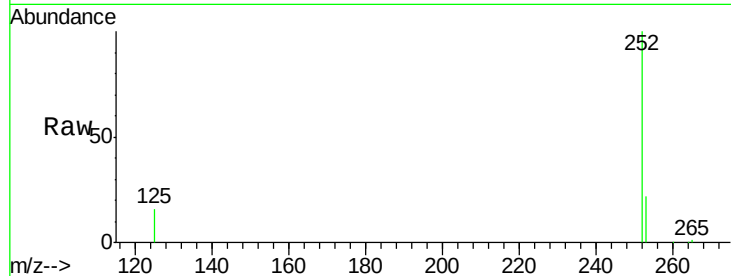
Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

ClientSampleId :

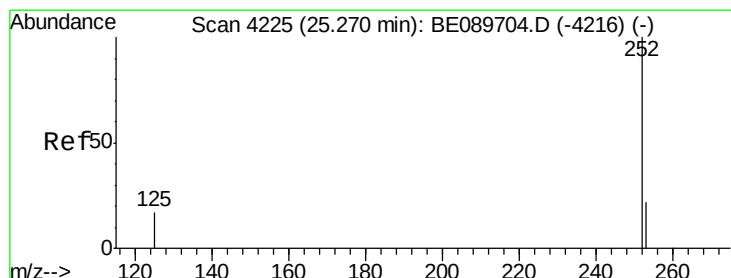
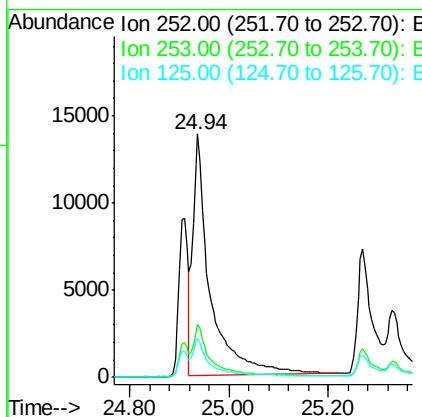
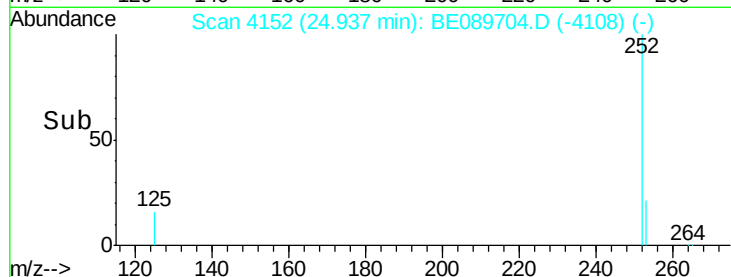
SSTDICCC001



Tgt Ion:	252	Resp:	33915
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.3	25.9
125	16.1	12.9	19.3

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#30

Benzo(a)pyrene

Concen: 0.73 ng

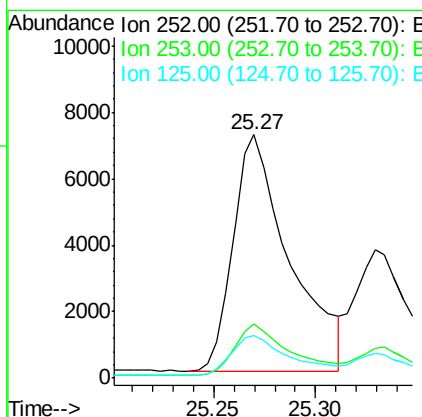
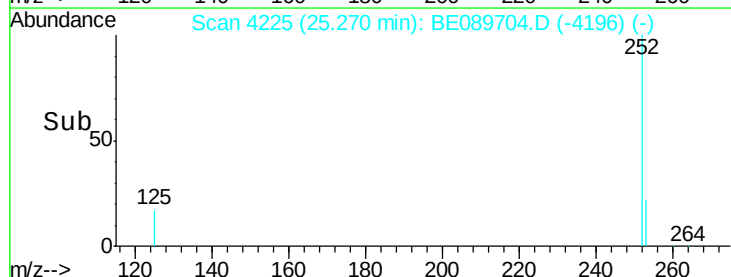
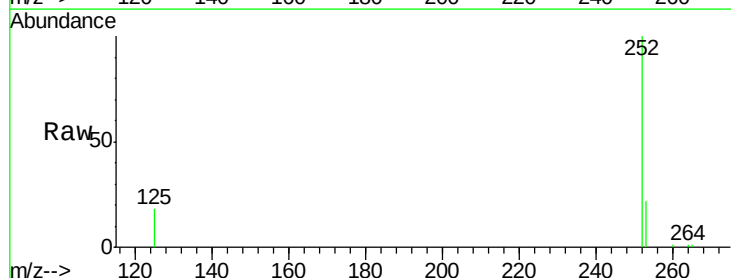
RT: 25.27 min Scan# 4225

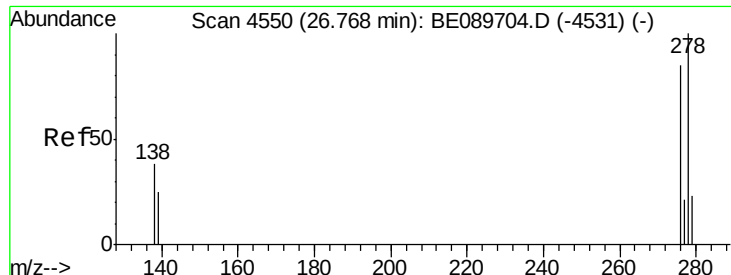
Delta R.T. 0.00 min

Lab File: BE089704.D

Acq: 27 Feb 2015 00:04

Tgt Ion:	252	Resp:	13628
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	17.5	14.0	21.0





#31

Dibenzo(a,h)anthracene

Concen: 0.68 ng

RT: 26.77 min Scan# 4550

Delta R.T. 0.00 min

Lab File: BE089704.D

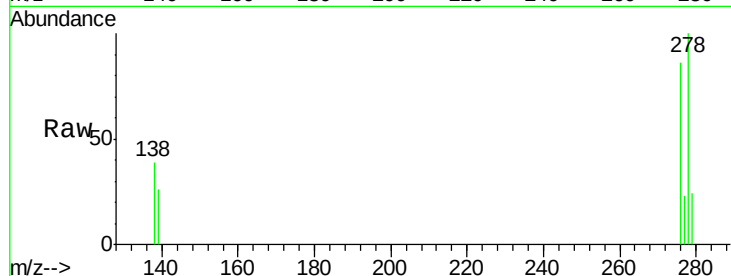
Acq: 27 Feb 2015 00:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 278 Resp: 11624

Ion Ratio Lower Upper

278 100

139 26.4 21.1 31.7

279 24.1 19.3 28.9

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