

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089490.D
 Acq On : 4 Feb 2015 10:07
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
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Quant Time: Feb 04 10:52:41 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.54	152	58129	5.00	ng	0.00
7) Naphthalene-d8	12.44	136	231224	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	99913	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	186876	5.00	ng	0.00
20) Chrysene-d12	23.79	240	173168	5.00	ng	0.00
27) Perylene-d12	25.49	264	168773	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.76	112	18232	0.97	ng	0.04
4) Phenol-d6	8.89	99	22969	0.97	ng	0.05
8) Nitrobenzene-d5	10.80	82	17655	1.01	ng	0.02
14) 2,4,6-Tribromophenol	18.53	330	3412	0.95	ng	0.02
15) 2-Fluorobiphenyl	15.07	172	27626	1.05	ng	0.00
22) Terphenyl-d14	22.43	244	28378	1.16	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.57	42	10348	0.95	ng	# 75
5) Phenol	8.92	94	22567m	0.87	ng	
6) bis(2-Chloroethyl)ether	9.01	93	17849	0.96	ng	# 99
9) Nitrobenzene	10.84	77	19523	0.98	ng	99
10) 2,4-Dimethylphenol	11.80	122	14172	0.98	ng	96
11) 2,4-Dichlorophenol	12.18	162	10726	1.00	ng	98
12) Hexachlorobutadiene	12.81	225	7187	1.01	ng	98
16) 2,4-Dinitrophenol	16.87	184	221	0.75	ng	94
18) Hexachlorobenzene	19.18	284	9678	1.00	ng	94
19) Pentachlorophenol	19.62	266	727	0.71	ng	94
21) Benzidine	22.11	184	6394	0.82	ng	97
23) Benzo(a)anthracene	23.77	228	161535	1.05	ng	94
24) 3,3'-Dichlorobenzidine	23.77	252	13699	1.05	ng	98
25) Chrysene	23.83	228	157859	0.98	ng	96
26) Indeno(1,2,3-cd)pyrene	26.98	276	46637	1.15	ng	99
28) Benzo(b)fluoranthene	25.05	252	35479	1.08	ng	99
29) Benzo(k)fluoranthene	25.08	252	43635	1.00	ng	99
30) Benzo(a)pyrene	25.43	252	35323	1.09	ng	99
31) Dibenzo(a,h)anthracene	27.01	278	39346	1.12	ng	98

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

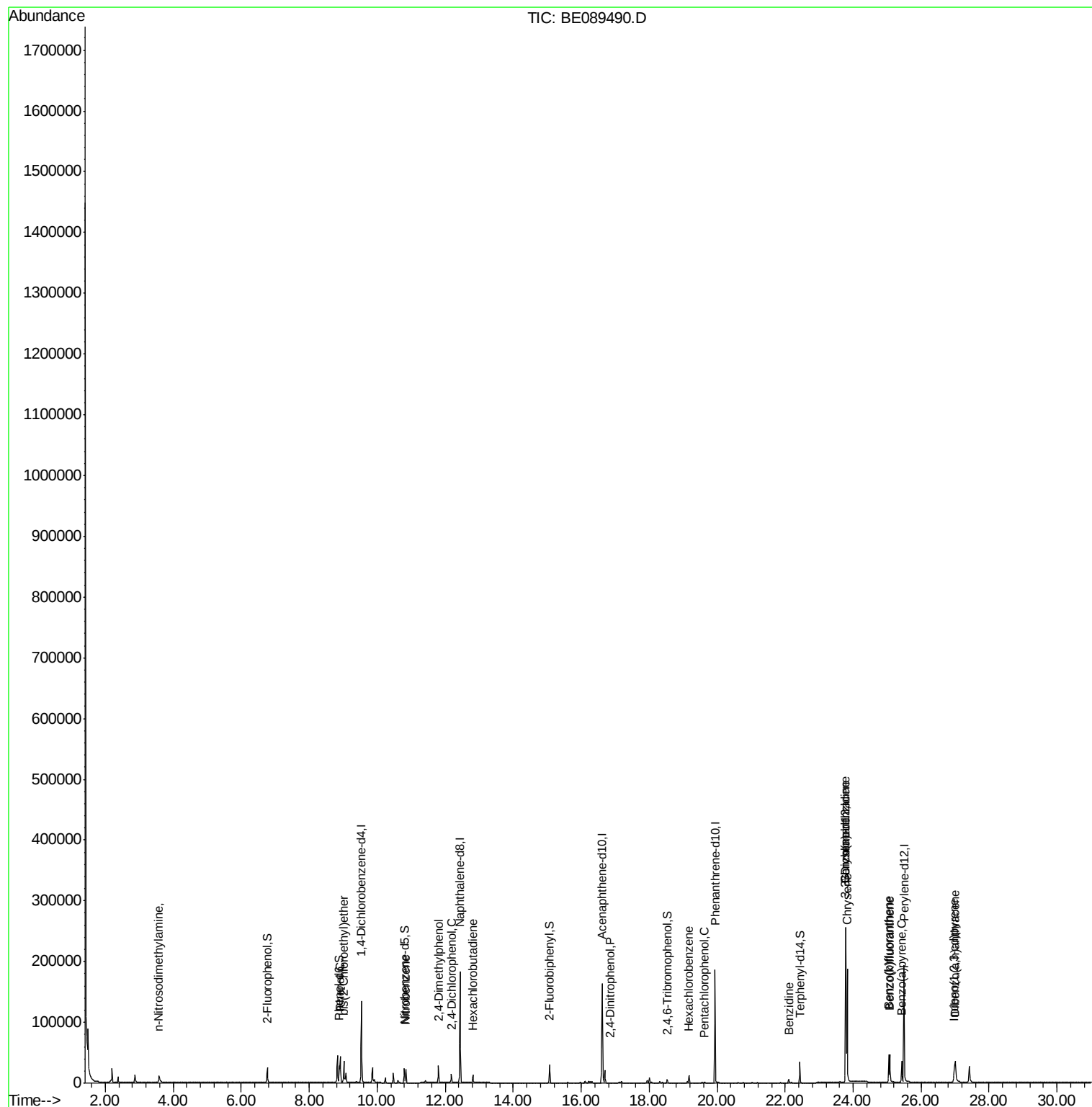
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
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ALS Vial : 5 Sample Multiplier: 1

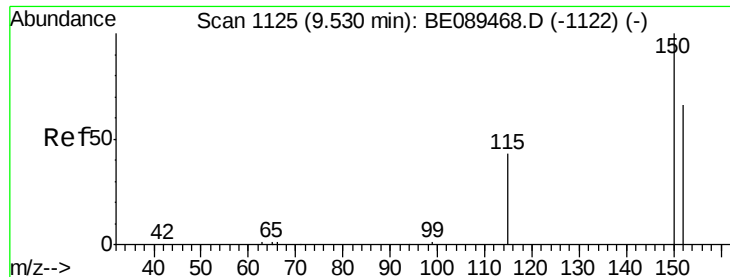
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.54 min Scan# 1126

Delta R.T. 0.01 min

Lab File: BE089490.D

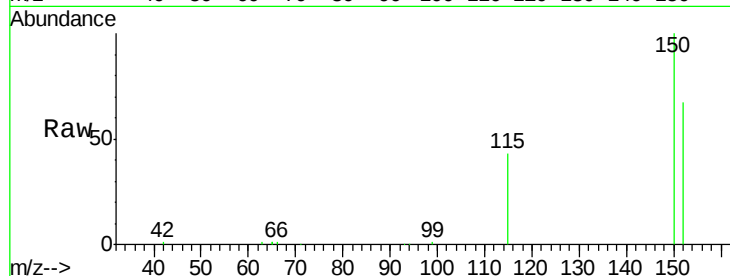
Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 58129

Ion Ratio Lower Upper

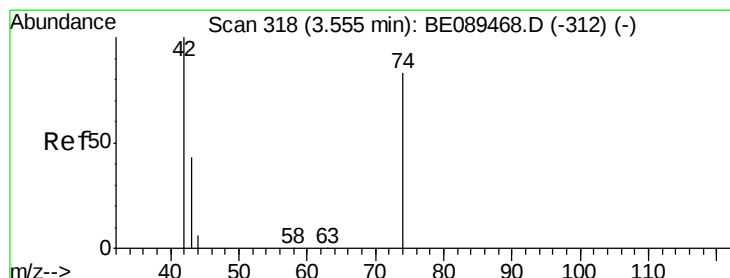
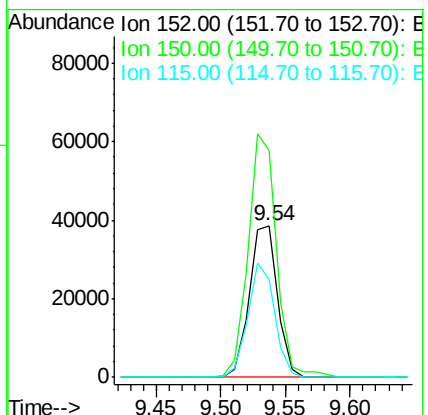
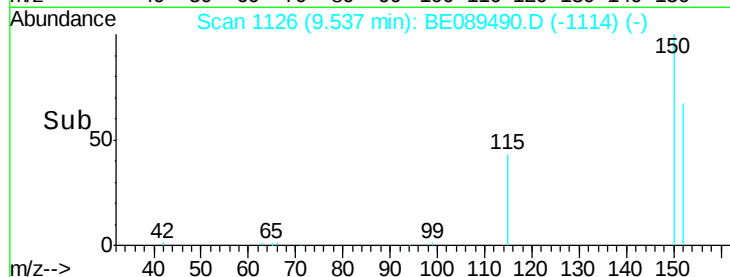
152 100

150 149.3 122.1 183.1

115 64.5 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 0.95 ng

RT: 3.57 min Scan# 321

Delta R.T. 0.02 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

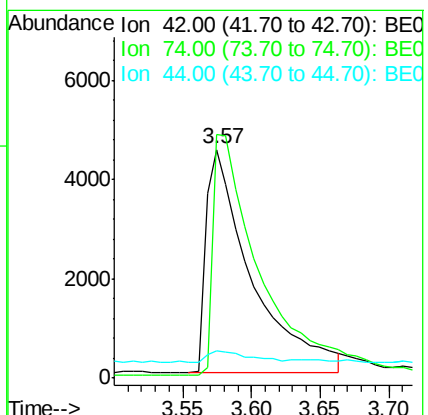
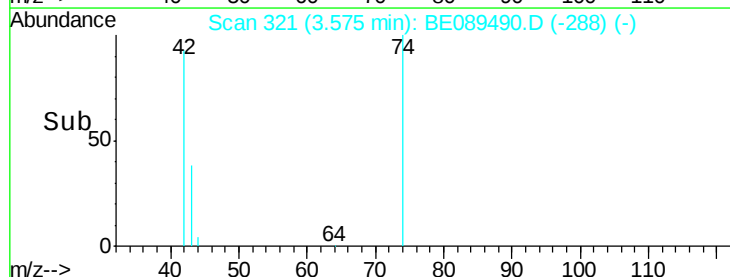
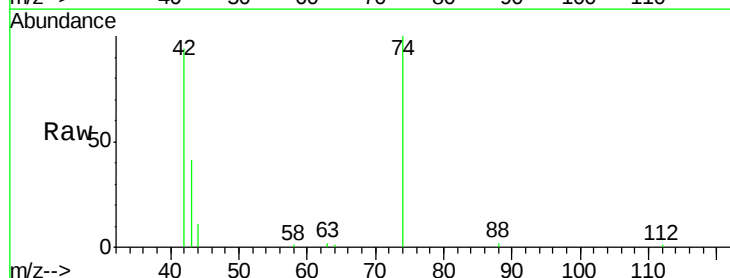
Tgt Ion: 42 Resp: 10348

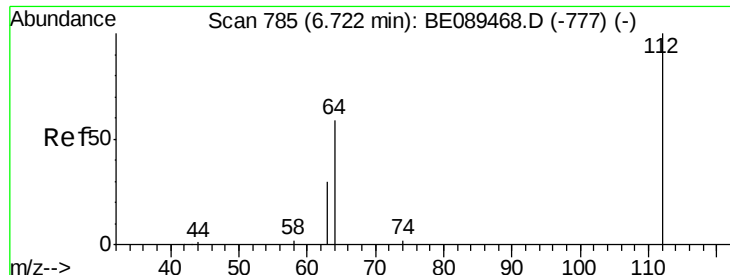
Ion Ratio Lower Upper

42 100

74 106.6 65.4 98.2#

44 11.9 11.7 17.5





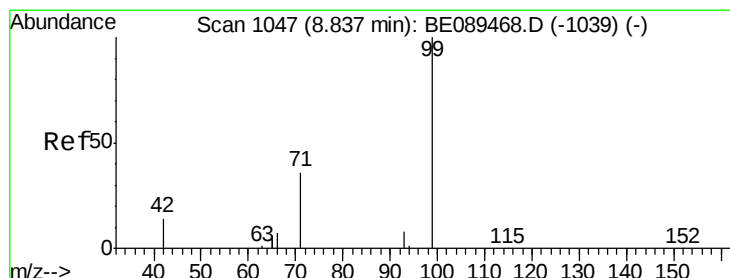
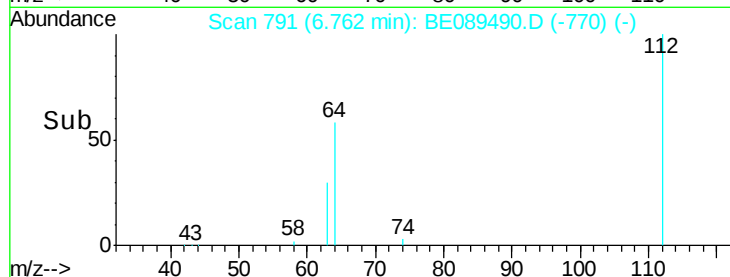
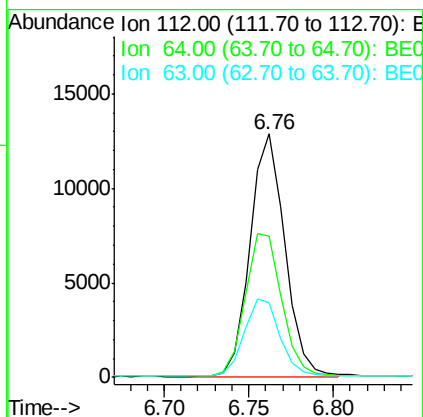
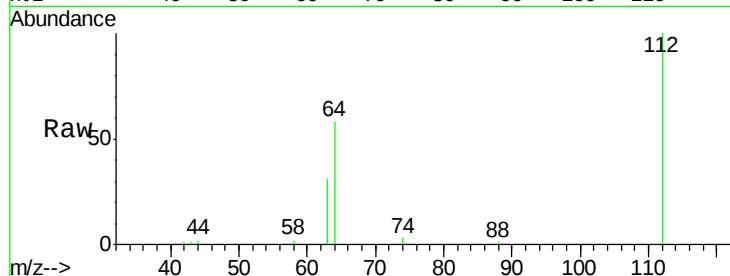
#3
2-Fluorophenol
Concen: 0.97 ng
RT: 6.76 min Scan# 791
Delta R.T. 0.04 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	18232		
64	58.1	47.0	70.6	
63	30.6	24.2	36.2	

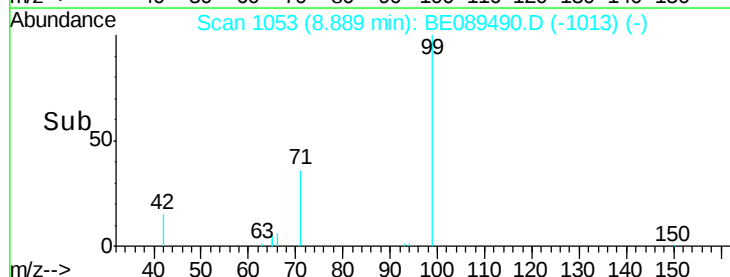
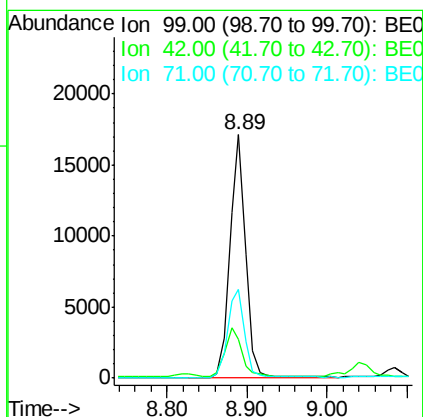
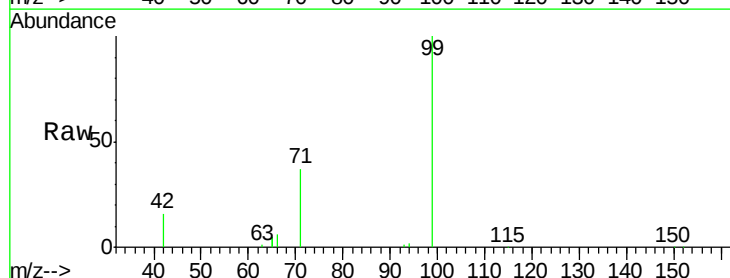
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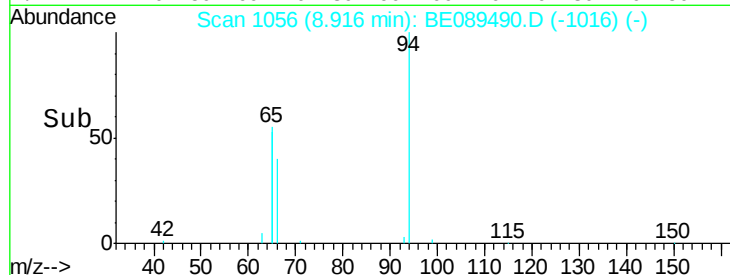
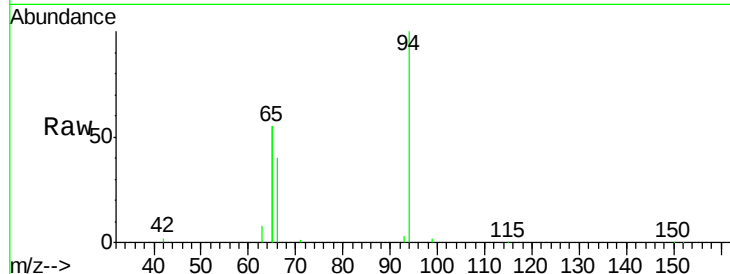
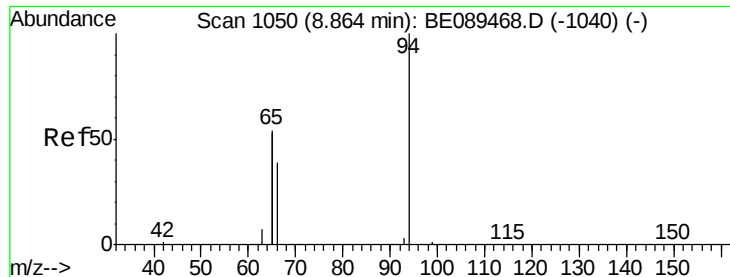
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#4
Phenol-d6
Concen: 0.97 ng
RT: 8.89 min Scan# 1053
Delta R.T. 0.05 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	22969		
42	15.9	11.8	17.6	
71	36.5	28.7	43.1	





#5

Phenol

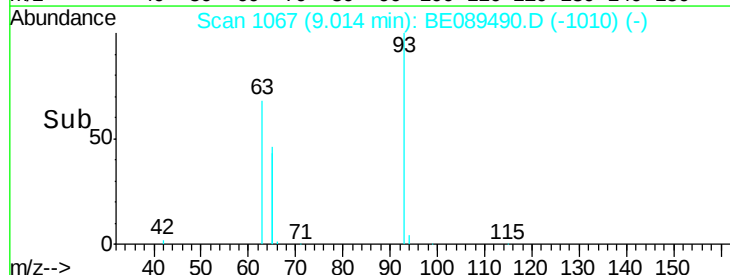
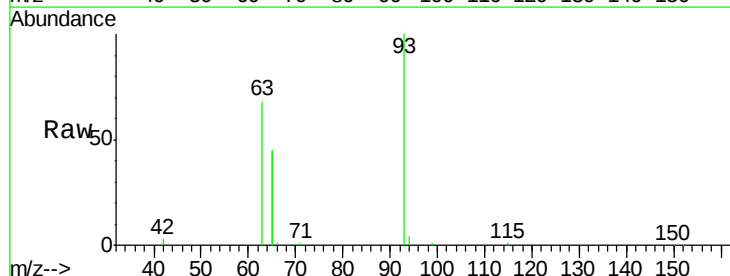
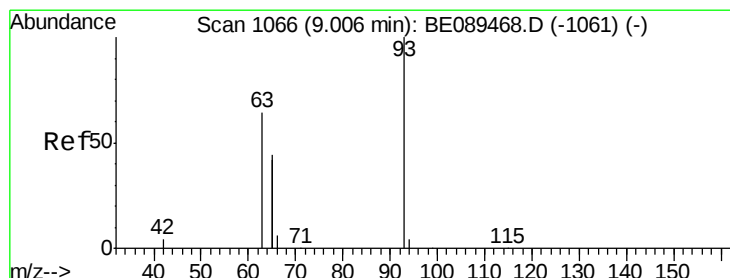
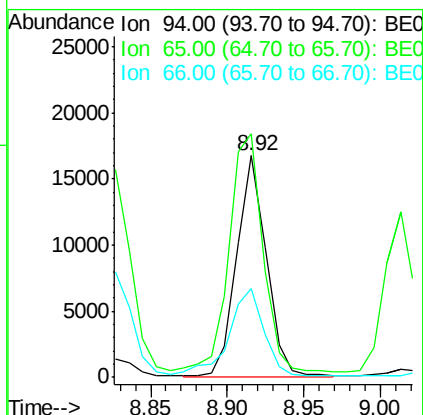
Concen: 0.87 ng m
RT: 8.92 min Scan# 1056
Delta R.T. 0.05 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
94	100		
65	54.9	33.9	73.9
66	40.3	19.1	59.1

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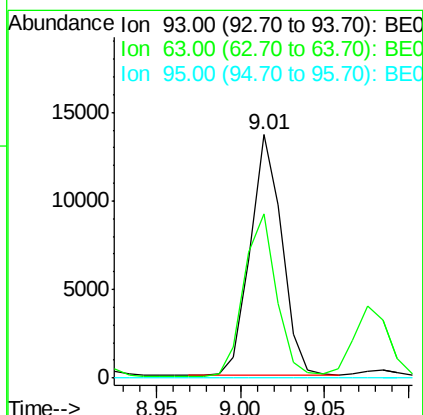


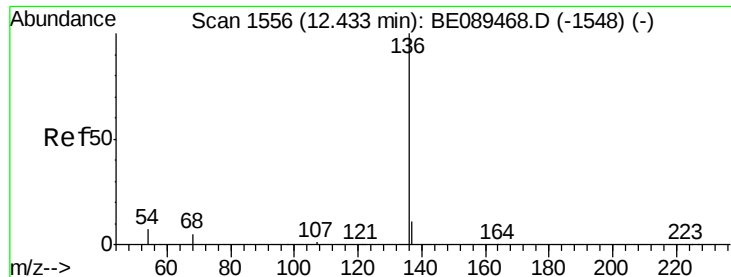
#6

bis(2-Chloroethyl)ether

Concen: 0.96 ng
RT: 9.01 min Scan# 1067
Delta R.T. 0.01 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.2	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.44 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

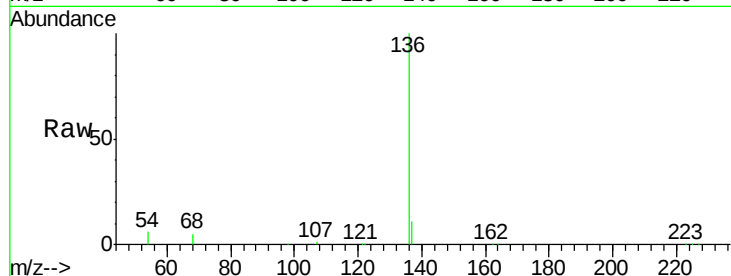
LabSampleId :

SSTDCCC001

Tgt Ion:	136	Resp:	231224
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	6.3	5.4	8.0

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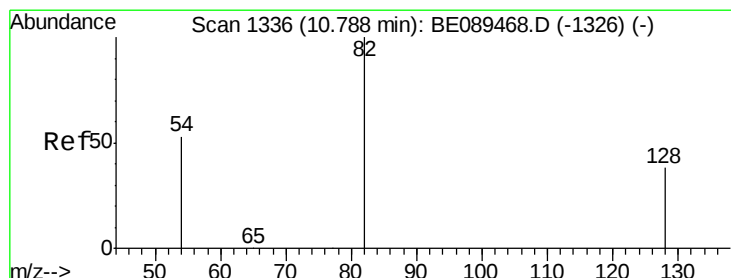
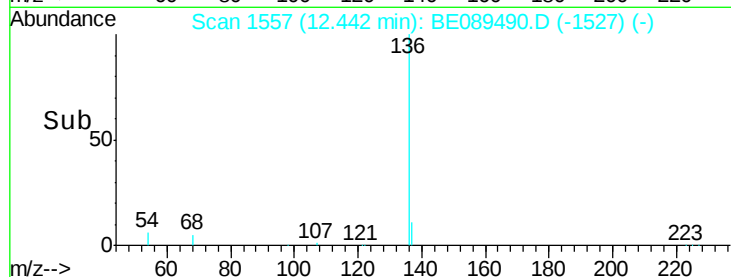
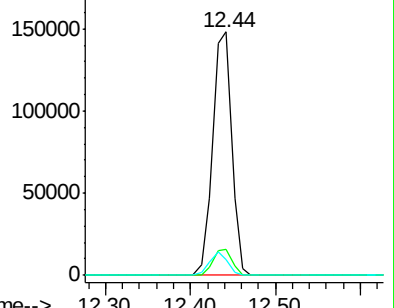
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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 1.01 ng

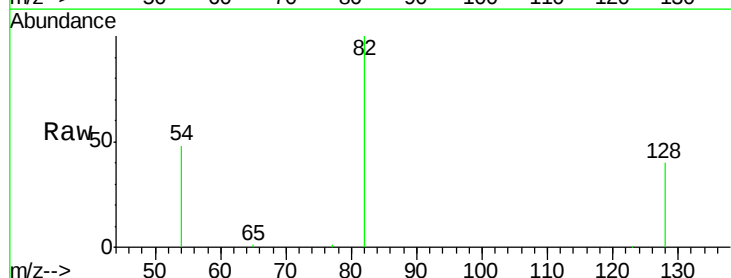
RT: 10.80 min Scan# 1339

Delta R.T. 0.02 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

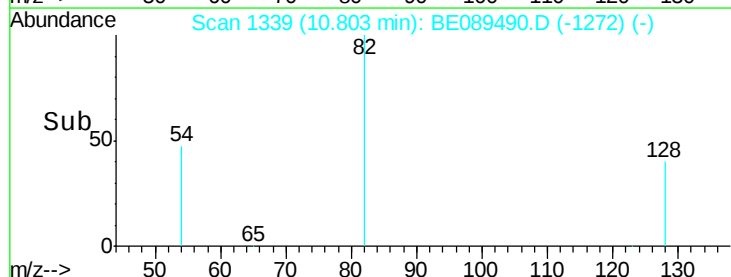
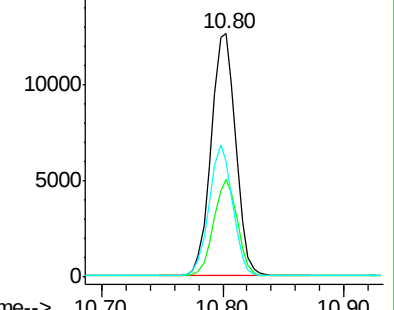
Tgt Ion:	82	Resp:	17655
Ion Ratio	Lower	Upper	
82	100		
128	40.1	30.3	45.5
54	47.7	43.1	64.7

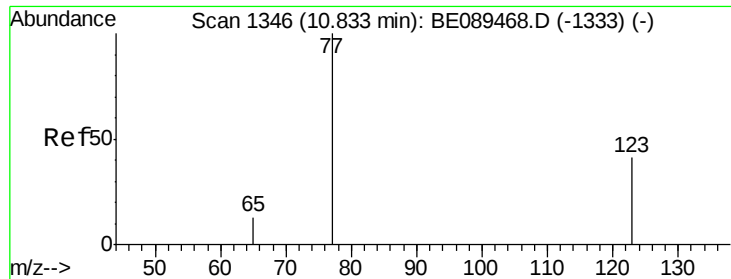


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.98 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BE089490.D

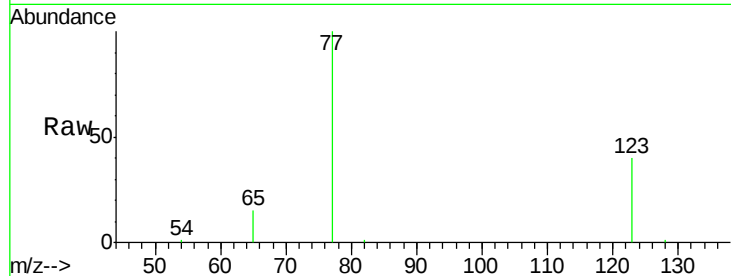
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Instrument :

BNA_E

LabSampleId :

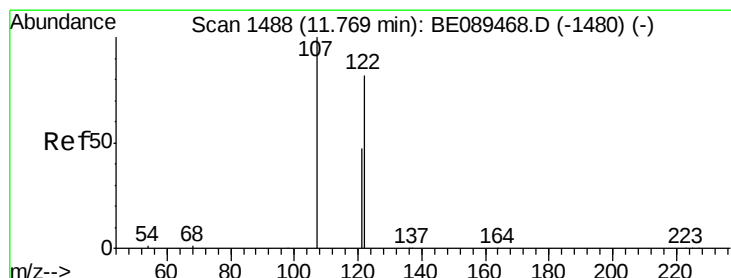
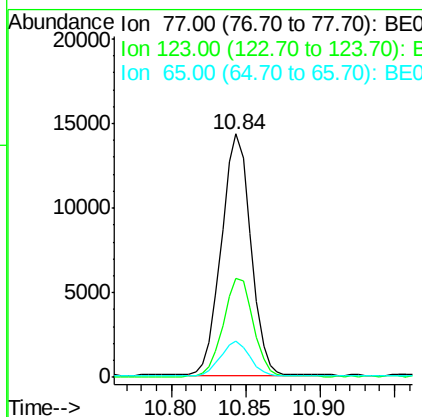
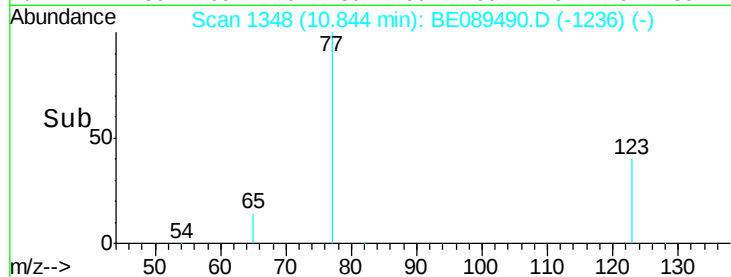
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Tgt Ion:	77	Resp:	19523
Ion	Ratio	Lower	Upper
77	100		
123	41.2	33.4	50.0
65	14.1	10.9	16.3

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#10

2,4-Dimethylphenol

Concen: 0.98 ng

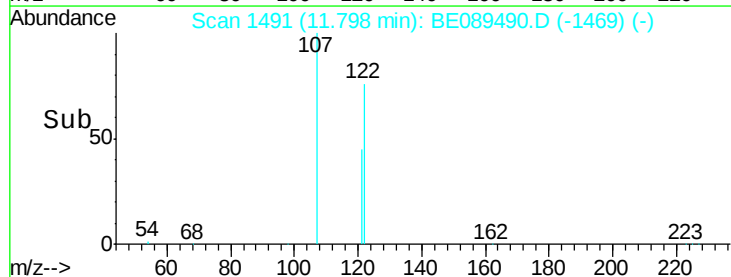
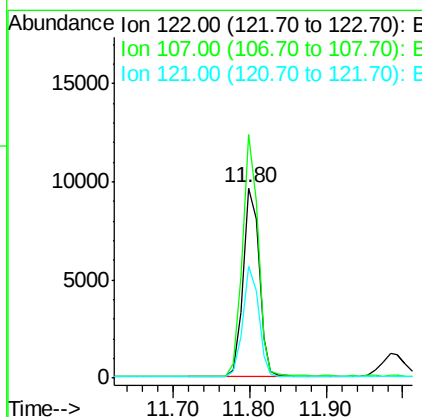
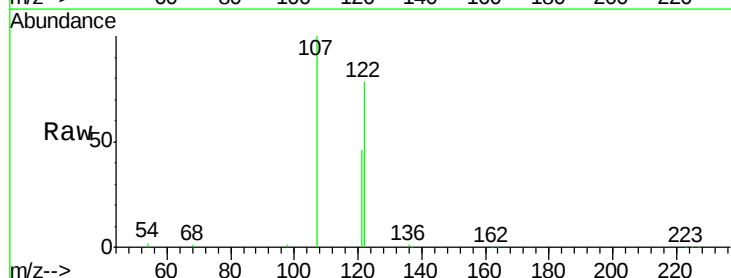
RT: 11.80 min Scan# 1491

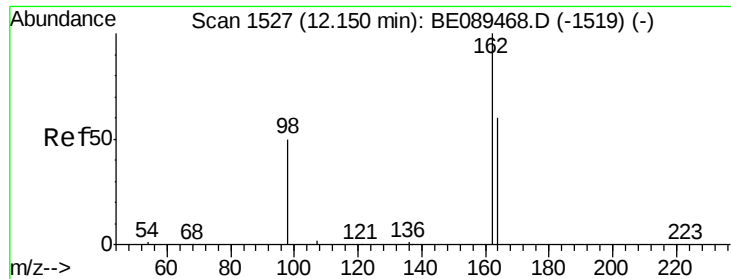
Delta R.T. 0.03 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Tgt Ion:	122	Resp:	14172
Ion	Ratio	Lower	Upper
122	100		
107	128.0	97.3	145.9
121	58.7	46.4	69.6





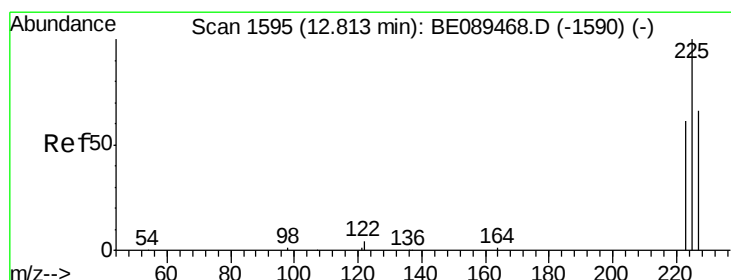
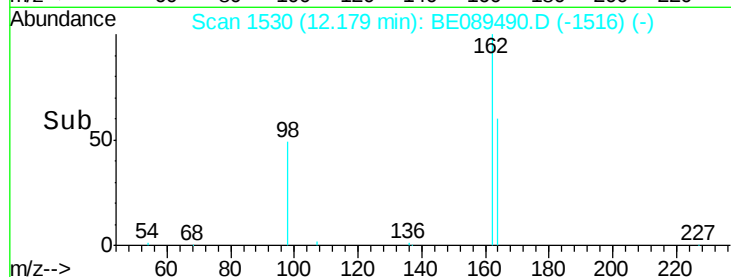
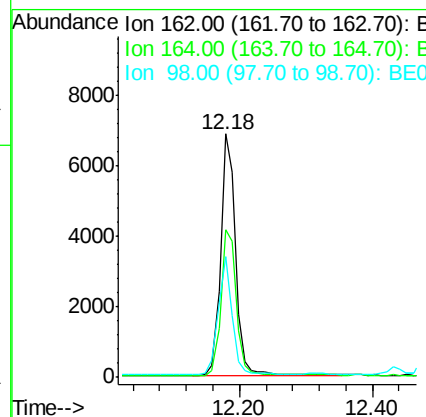
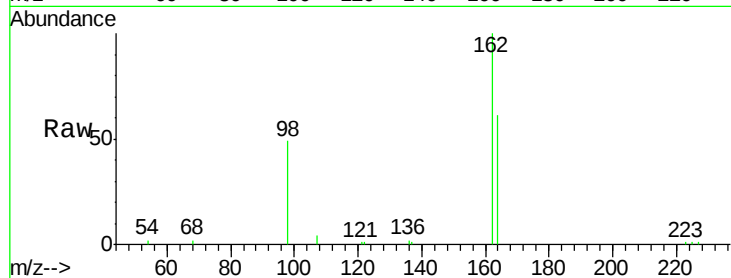
#11
2,4-Dichlorophenol
Concen: 1.00 ng
RT: 12.18 min Scan# 1530
Delta R.T. 0.03 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
162	100		
164	60.6	39.9	79.9
98	49.5	31.3	71.3

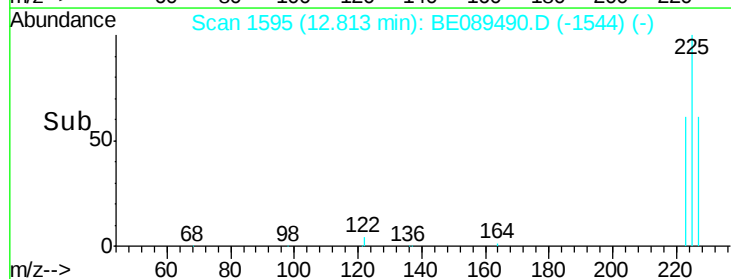
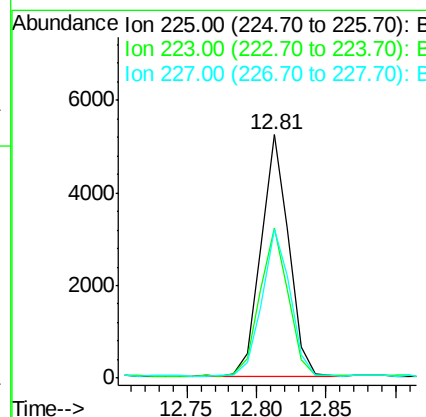
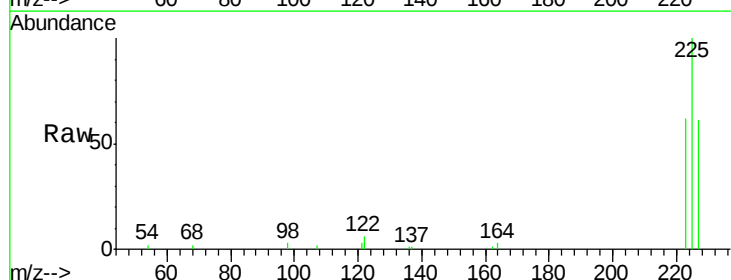
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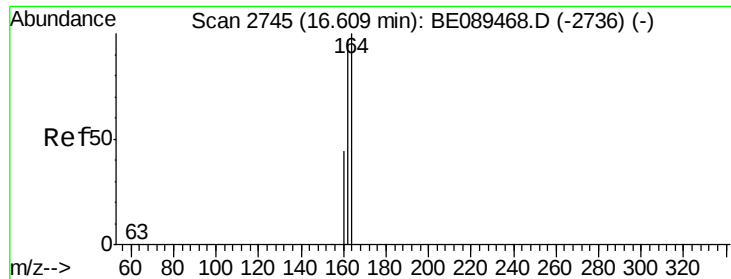
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#12
Hexachlorobutadiene
Concen: 1.01 ng
RT: 12.81 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.4	74.0
227	61.8	51.2	76.8





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089490.D

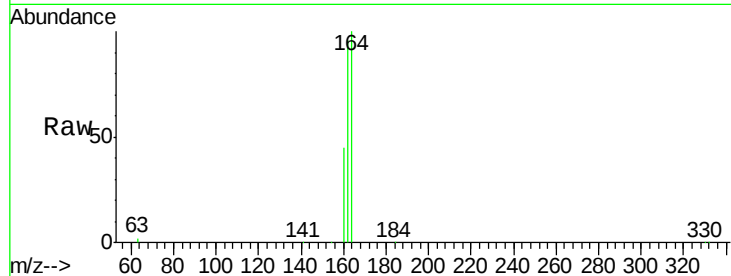
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Instrument :

BNA_E

LabSampleId :

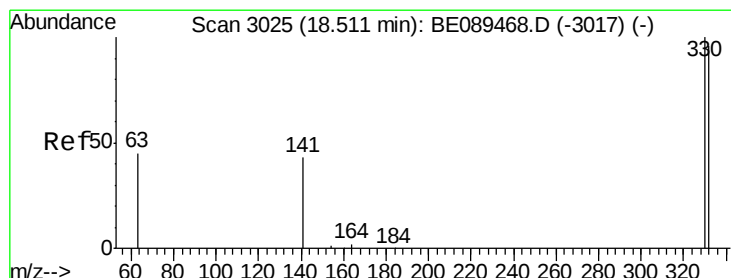
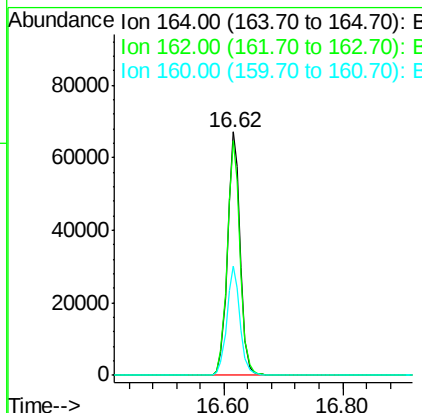
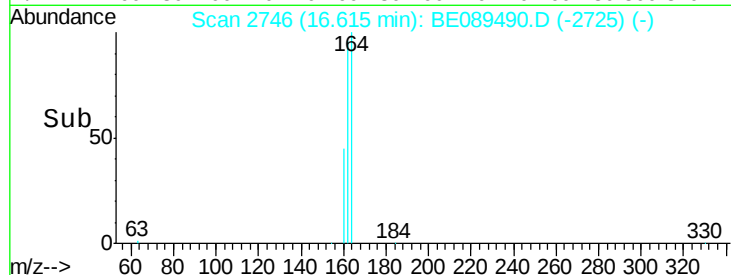
SSTDCCC001



Tgt Ion:	164	Resp:	99913
Ion Ratio	Lower	Upper	
164	100		
162	96.2	77.6	116.4
160	44.7	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 0.95 ng

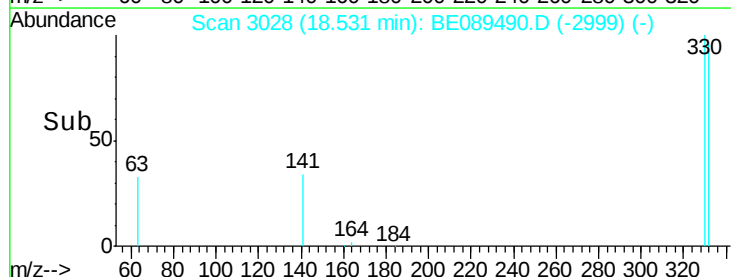
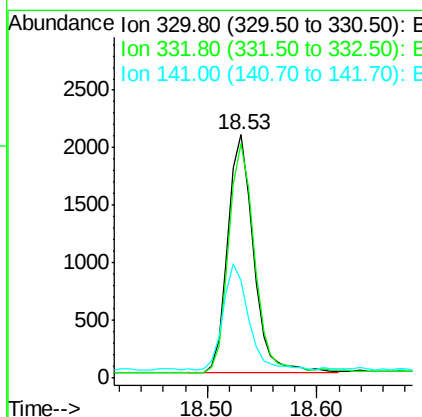
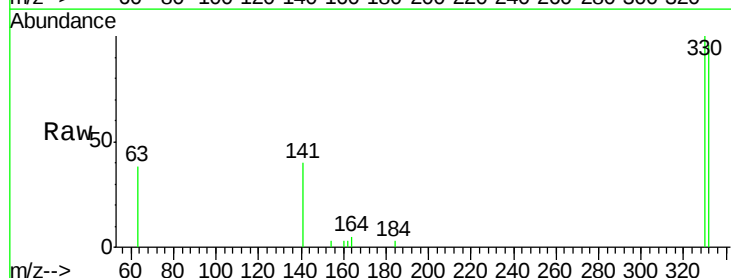
RT: 18.53 min Scan# 3028

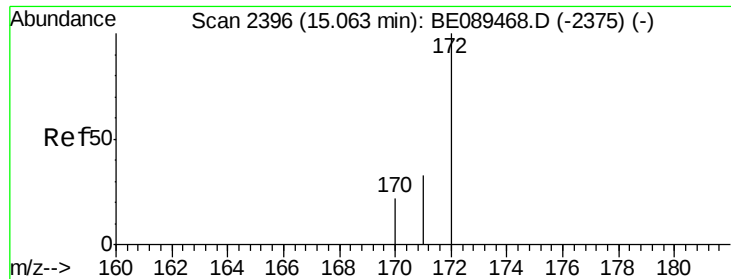
Delta R.T. 0.02 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Tgt Ion:	330	Resp:	3412
Ion Ratio	Lower	Upper	
330	100		
332	95.4	78.0	117.0
141	43.3	33.8	50.6





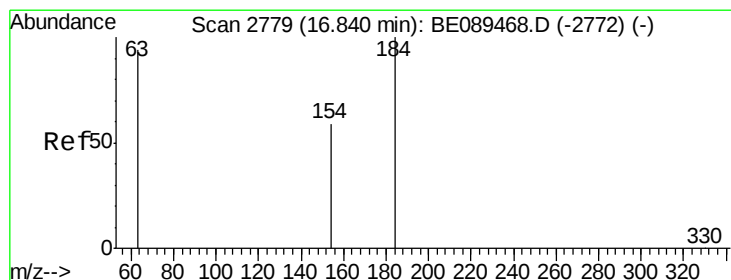
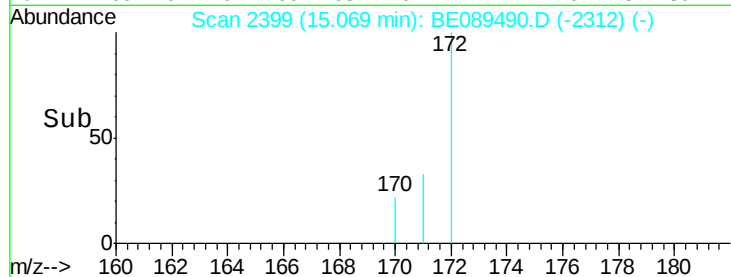
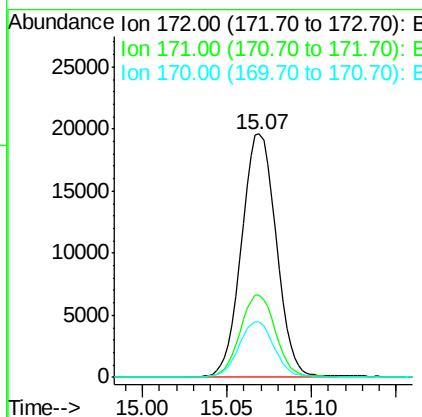
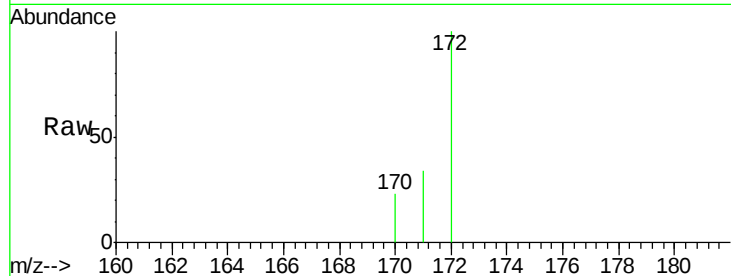
#15
2-Fluorobiphenyl
Concen: 1.05 ng
RT: 15.07 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.8	40.2
170	22.6	17.7	26.5

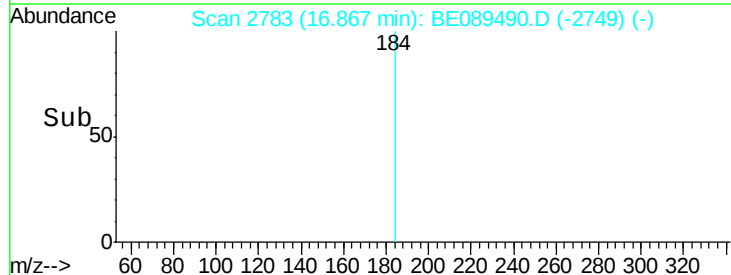
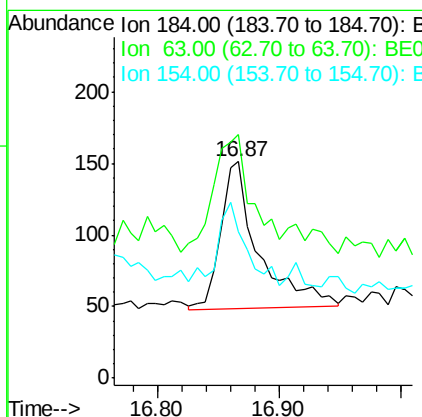
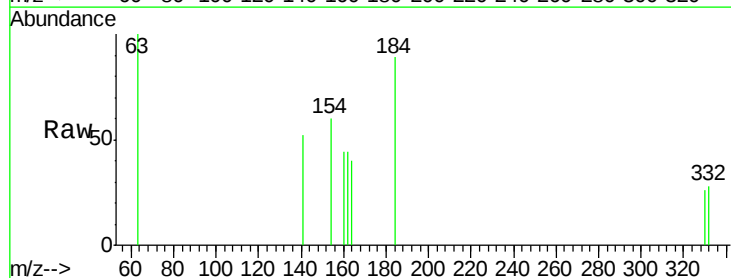
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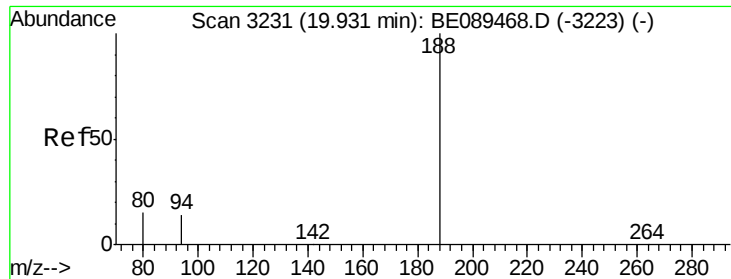
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#16
2,4-Dinitrophenol
Concen: 0.75 ng
RT: 16.87 min Scan# 2783
Delta R.T. 0.03 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	112.6	92.1	138.1
154	67.5	61.4	92.2





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.94 min Scan# 3232

Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

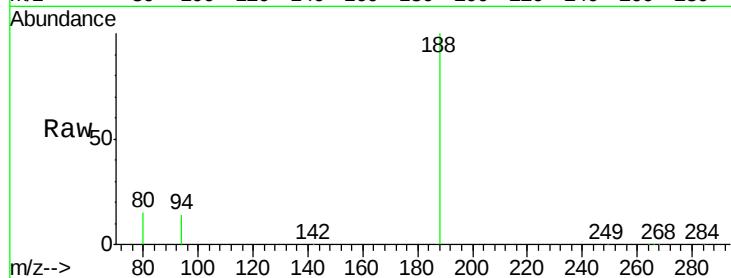
LabSampleId :

SSTDCCC001

Tgt Ion:	188	Resp:	186876
Ion Ratio	Lower	Upper	
188	100		
94	13.9	11.1	16.7
80	15.3	11.8	17.6

Manual Integrations
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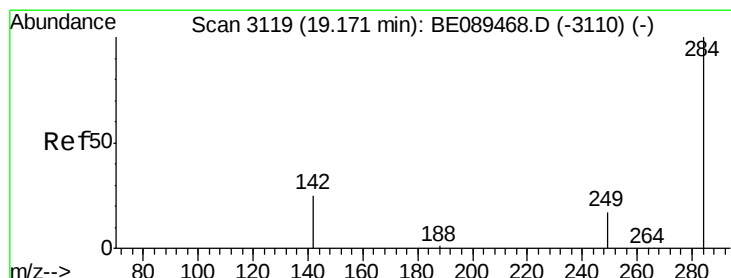
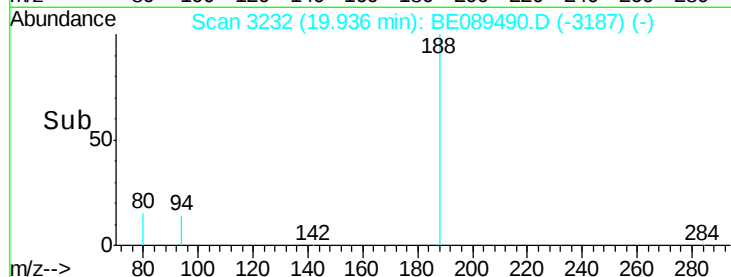
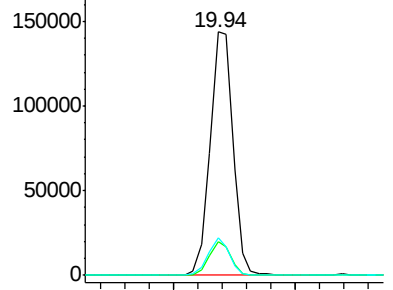
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 1.00 ng

RT: 19.18 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BE089490.D

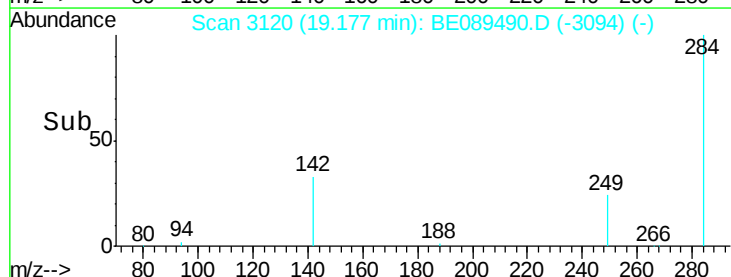
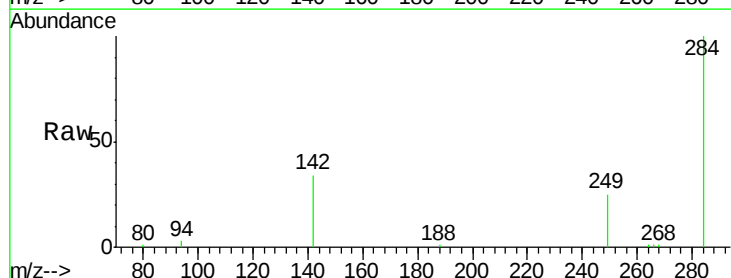
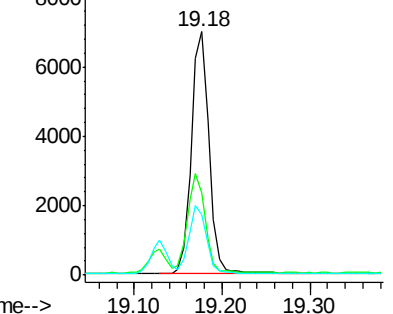
Acq: 4 Feb 2015 10:07

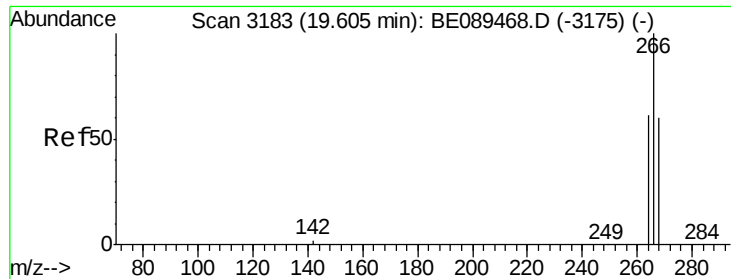
Tgt Ion:	284	Resp:	9678
Ion Ratio	Lower	Upper	
284	100		
142	33.8	24.4	36.6
249	25.1	18.2	27.2

Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





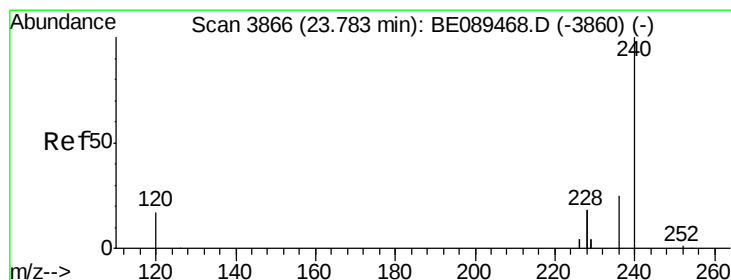
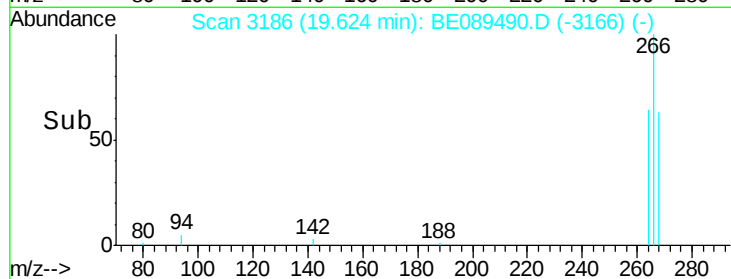
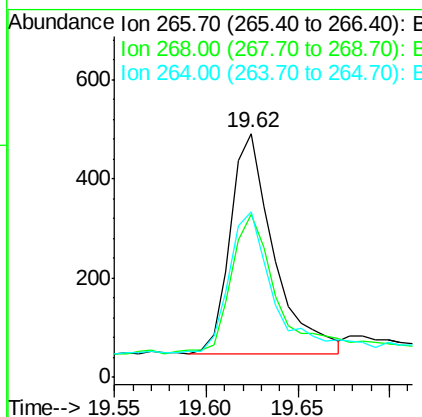
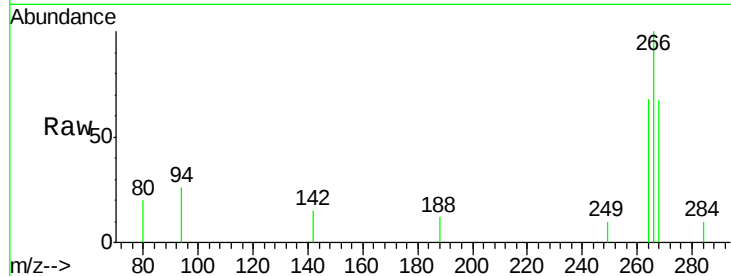
#19
 Pentachlorophenol
 Concen: 0.71 ng
 RT: 19.62 min Scan# 3186
 Delta R.T. 0.02 min
 Lab File: BE089490.D
 Acq: 4 Feb 2015 10:07

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.0	50.0	75.0
264	67.8	50.6	75.8

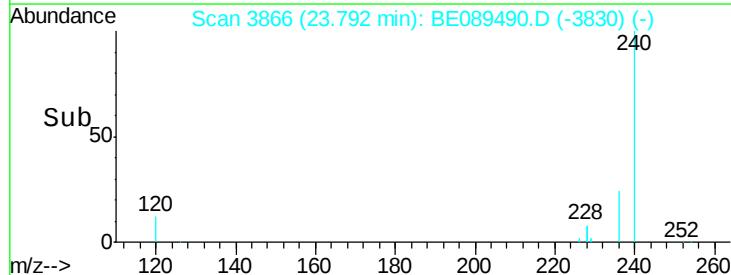
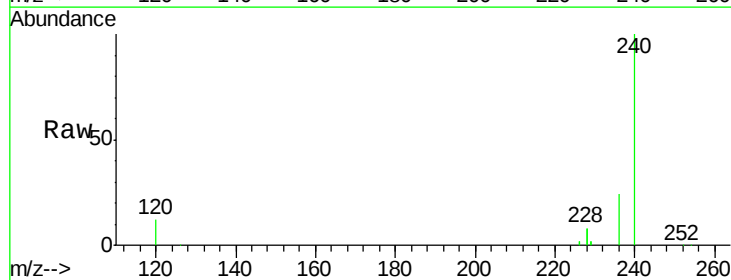
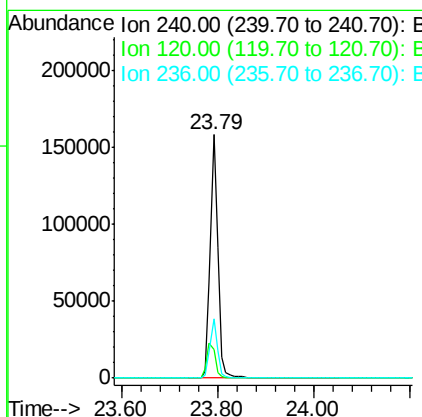
Manual Integrations
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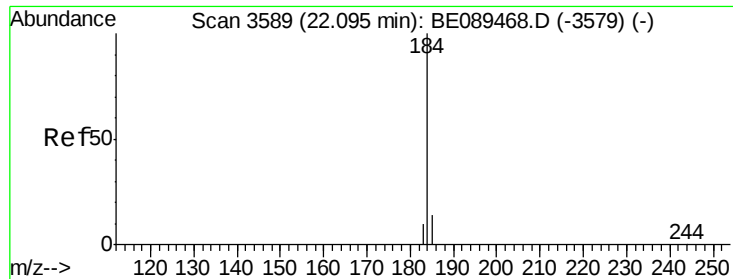
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#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.79 min Scan# 3866
 Delta R.T. 0.01 min
 Lab File: BE089490.D
 Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	13.8	20.6#
236	24.5	20.2	30.2





#21

Benzidine

Concen: 0.82 ng

RT: 22.11 min Scan# 3591

Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

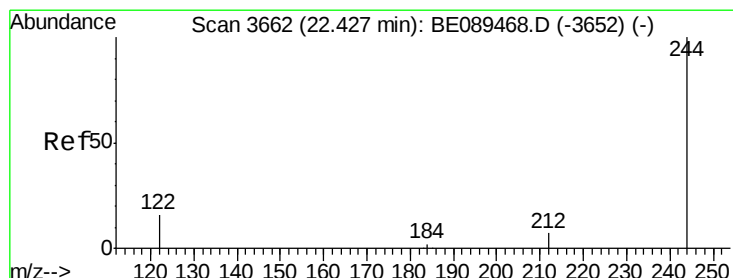
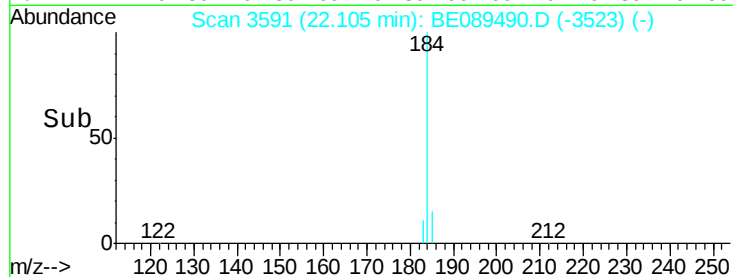
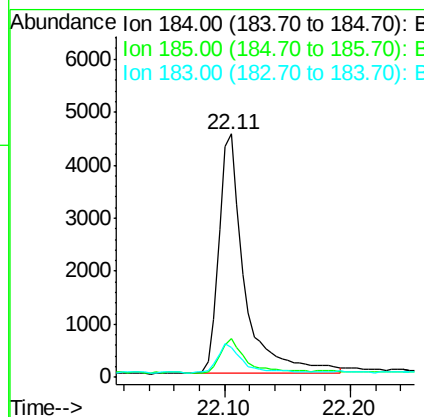
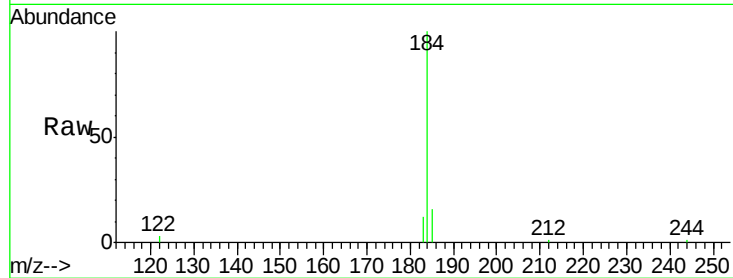
LabSampleId :

SSTDCCC001

Tgt Ion:	184	Resp:	6394
Ion Ratio	Lower	Upper	
184	100		
185	16.1	12.0	18.0
183	12.2	9.0	13.4

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#22

Terphenyl-d14

Concen: 1.16 ng

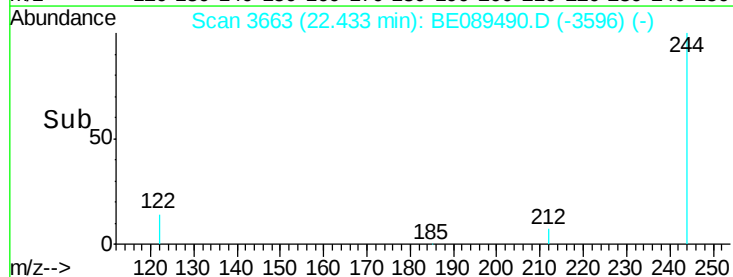
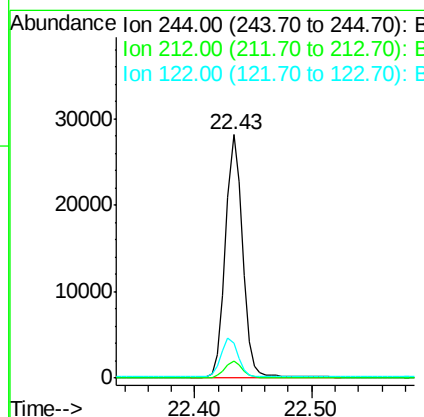
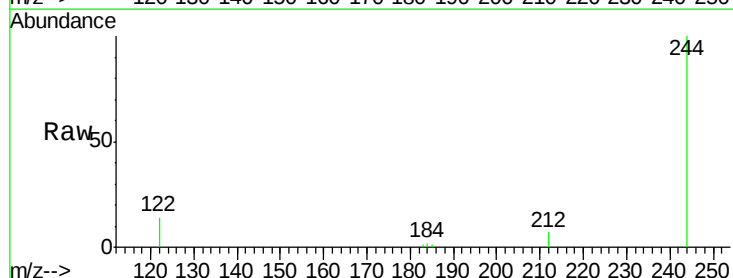
RT: 22.43 min Scan# 3663

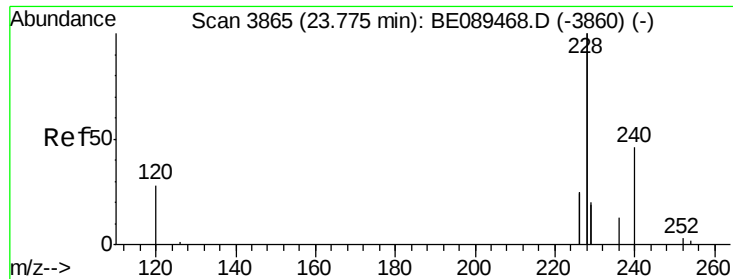
Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Tgt Ion:	244	Resp:	28378
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.5	8.3
122	14.3	12.6	19.0





#23

Benzo(a)anthracene

Concen: 1.05 ng

RT: 23.77 min Scan# 3864

Delta R.T. -0.00 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

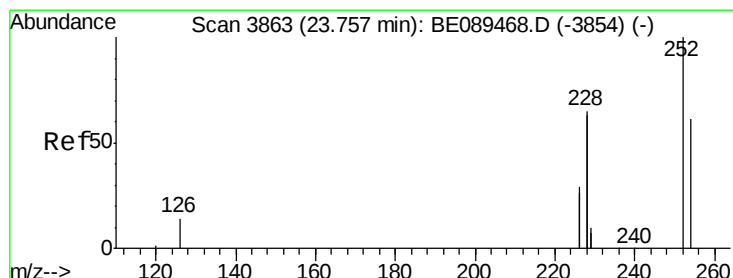
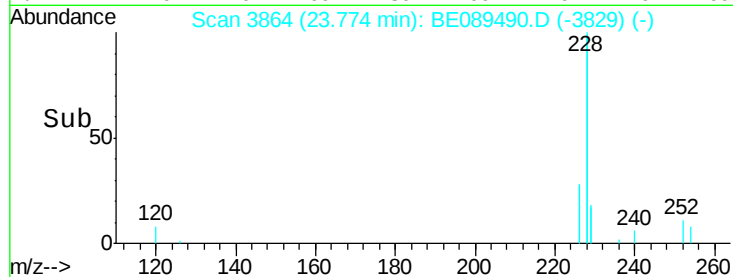
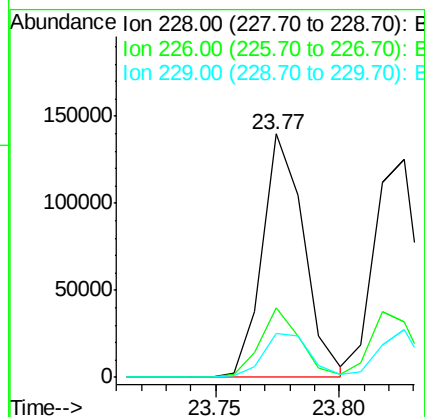
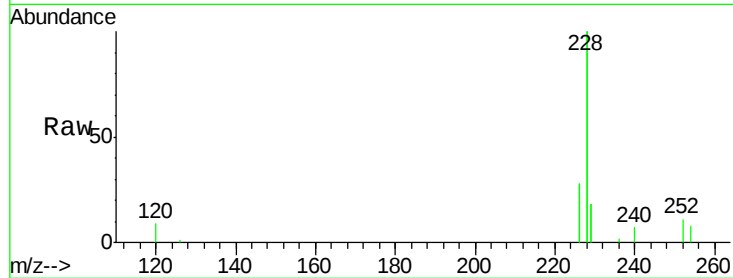
LabSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	161535
Ion Ratio		Lower	Upper
228	100		
226	28.3	19.6	29.4
229	17.9	15.9	23.9

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#24

3,3'-Dichlorobenzidine

Concen: 1.05 ng

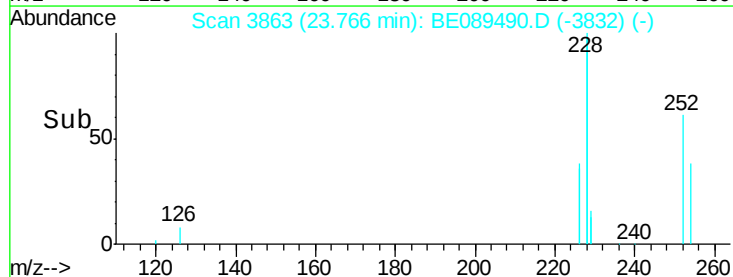
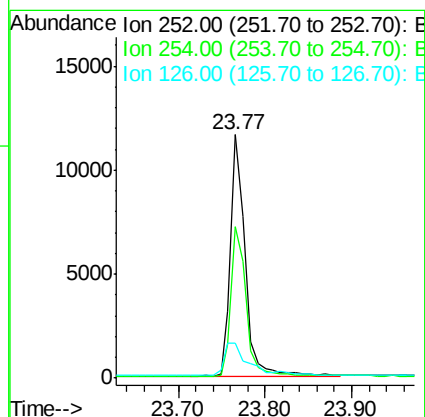
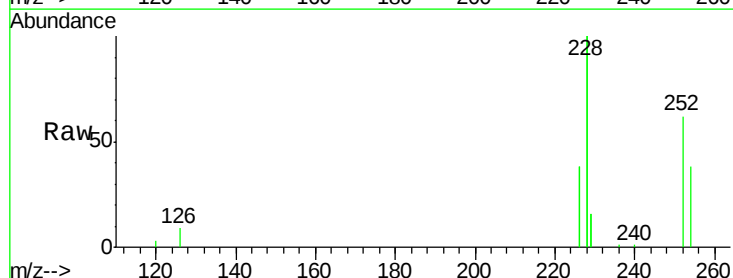
RT: 23.77 min Scan# 3863

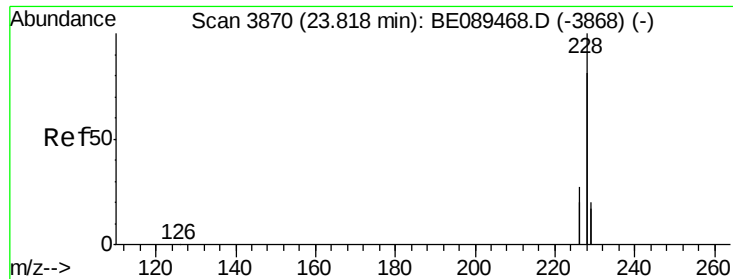
Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Tgt Ion:	252	Resp:	13699
Ion Ratio		Lower	Upper
252	100		
254	62.4	48.6	73.0
126	14.6	12.4	18.6





#25

Chrysene

Concen: 0.98 ng

RT: 23.83 min Scan# 3870

Delta R.T. 0.01 min

Lab File: BE089490.D

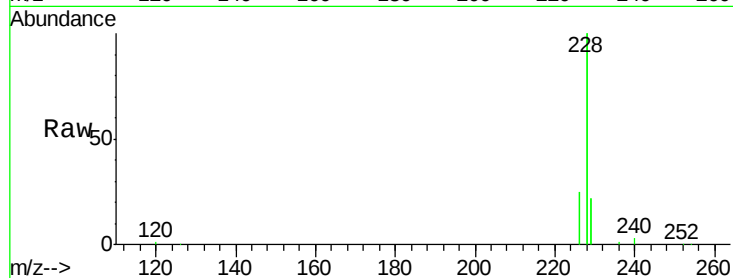
Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

LabSampleId :

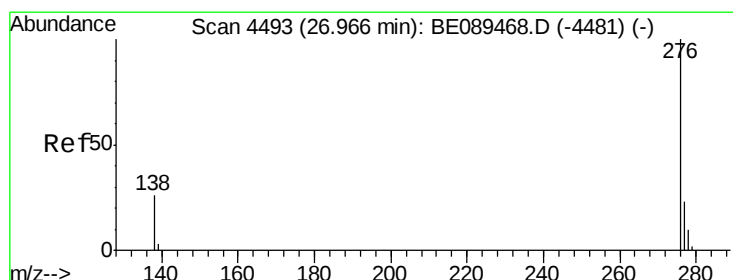
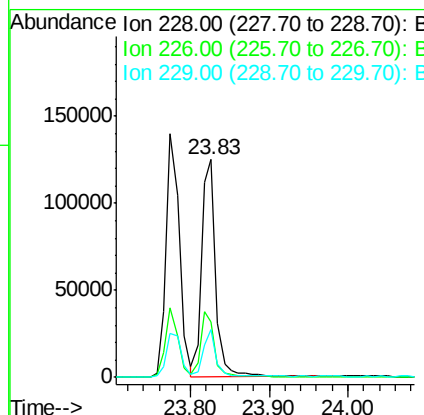
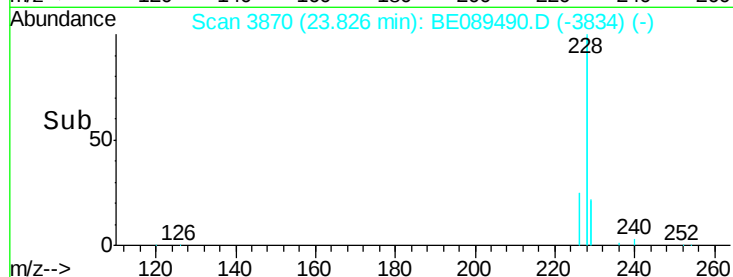
SSTDCCC001



Tgt Ion:	228	Resp:	157859
Ion Ratio	Lower	Upper	
228	100		
226	25.4	21.8	32.8
229	22.0	16.2	24.2

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#26

Indeno(1,2,3-cd)pyrene

Concen: 1.15 ng

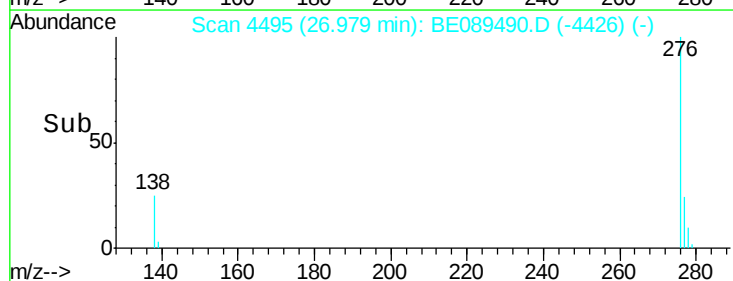
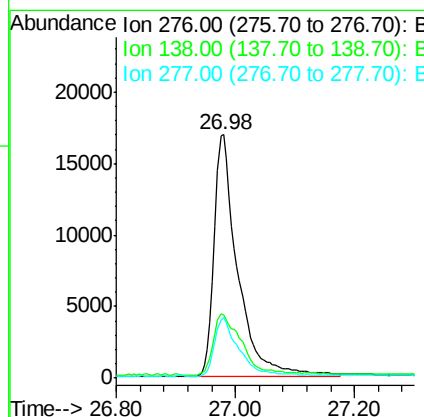
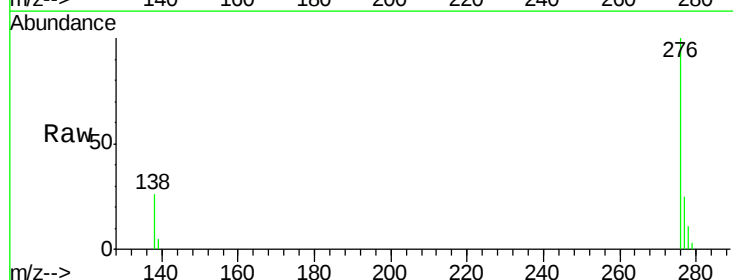
RT: 26.98 min Scan# 4495

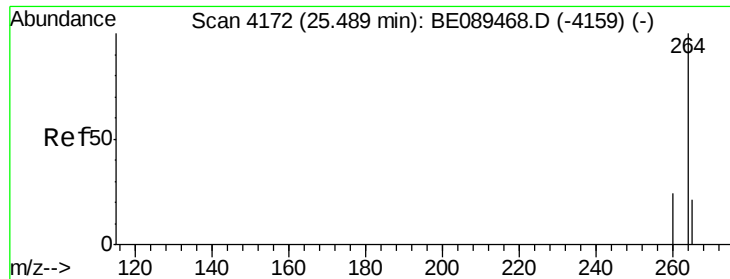
Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Tgt Ion:	276	Resp:	46637
Ion Ratio	Lower	Upper	
276	100		
138	29.7	24.2	36.4
277	24.7	19.9	29.9





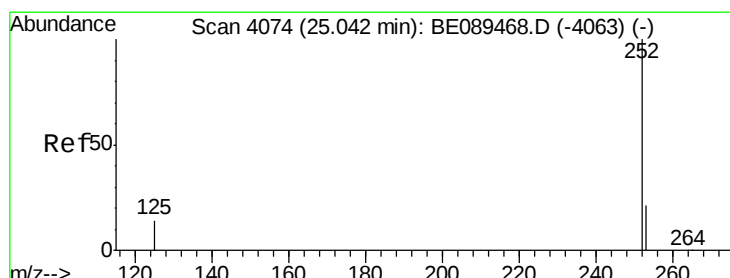
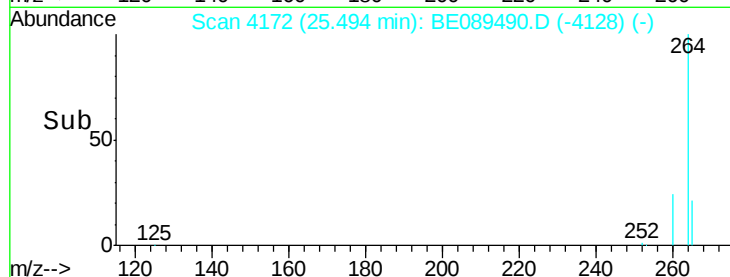
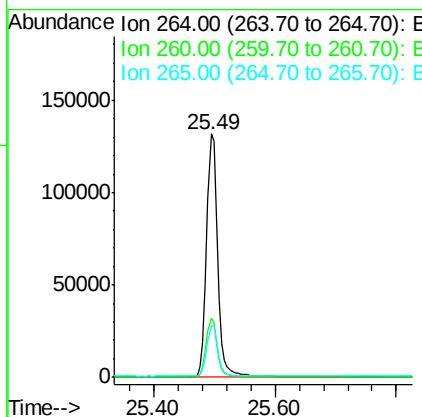
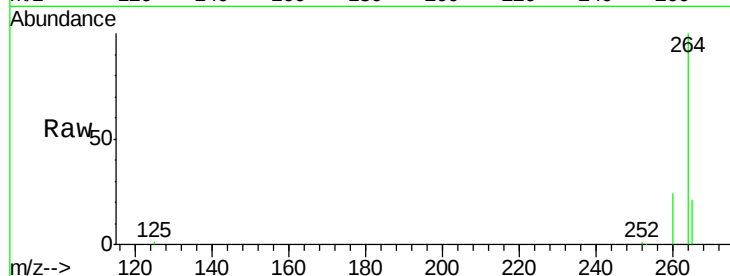
#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. 0.01 min
 Lab File: BE089490.D
 Acq: 4 Feb 2015 10:07

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	168773		
260	24.5	19.1	28.7	
265	21.1	17.0	25.6	

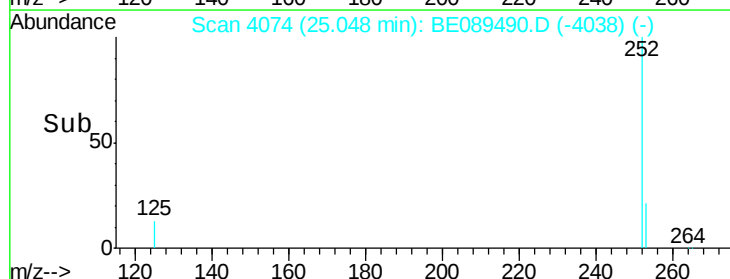
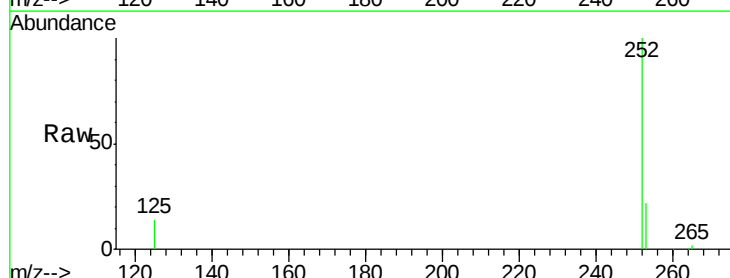
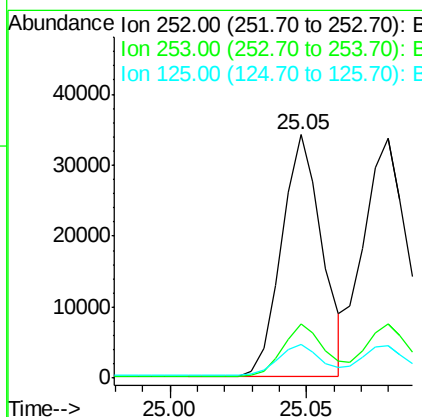
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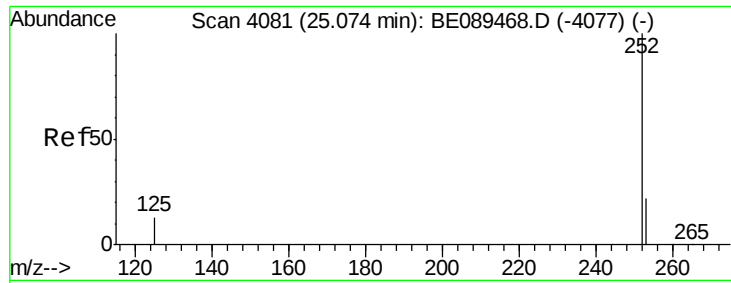
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#28
Benzo(b)fluoranthene
 Concen: 1.08 ng
 RT: 25.05 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: BE089490.D
 Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	35479		
253	22.1	17.4	26.2	
125	13.8	11.3	16.9	





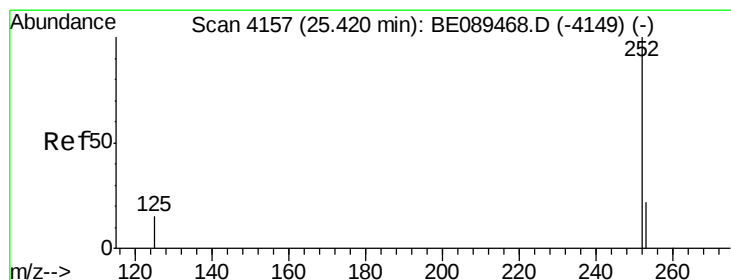
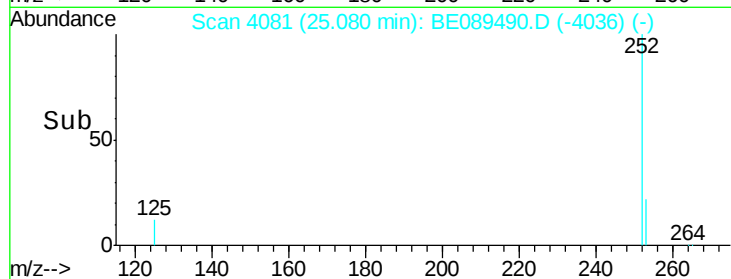
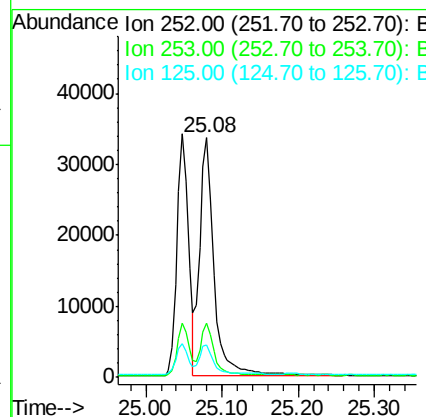
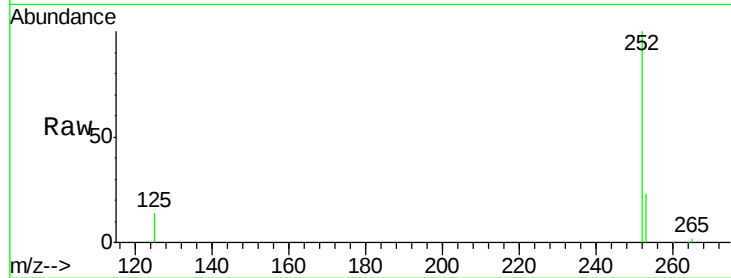
#29
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 25.08 min Scan# 4081
Delta R.T. 0.01 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.5	10.6	15.8

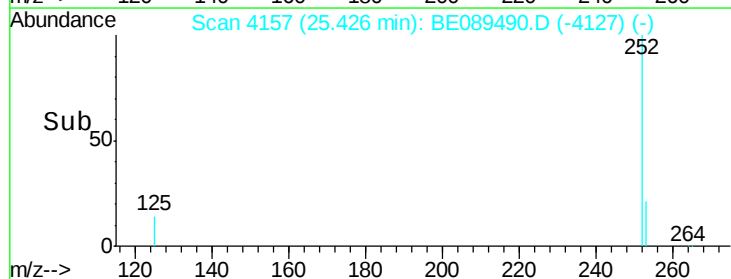
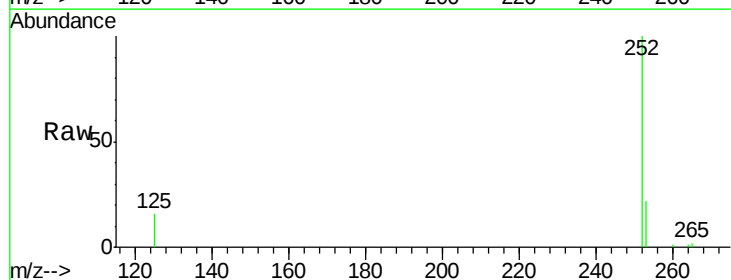
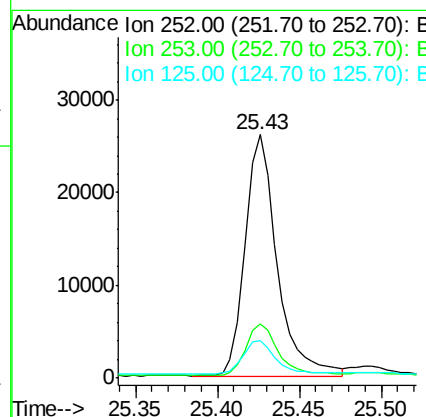
Manual Integrations
APPROVED

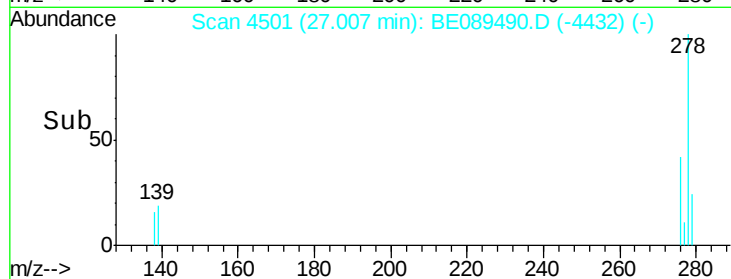
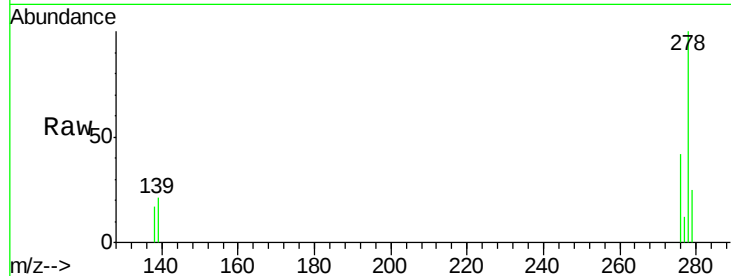
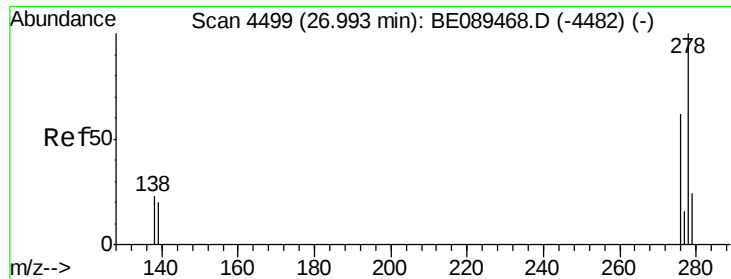
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#30
Benzo(a)pyrene
Concen: 1.09 ng
RT: 25.43 min Scan# 4157
Delta R.T. 0.01 min
Lab File: BE089490.D
Acq: 4 Feb 2015 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	15.5	12.2	18.4





#31

Dibenzo(a,h)anthracene

Concen: 1.12 ng

RT: 27.01 min Scan# 4501

Delta R.T. 0.01 min

Lab File: BE089490.D

Acq: 4 Feb 2015 10:07

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

Tgt	Ion	278	Resp:	39346
Ion	Ratio	Lower	Upper	
278	100			
139	20.5	16.8	25.2	
279	25.2	19.4	29.0	

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