

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089480.D
 Acq On : 4 Feb 2015 1:25
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
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 2/4/2015 2:55:30 PM

Quant Time: Feb 04 03:04:16 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	9.53	152	57597	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	230796	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	101668	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	191950	5.00	ng	0.00
20) Chrysene-d12	23.78	240	184352	5.00	ng	0.00
27) Perylene-d12	25.49	264	170287	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.73	112	17870	0.96	ng	0.00
4) Phenol-d6	8.85	99	22681	0.97	ng	0.00
8) Nitrobenzene-d5	10.79	82	17013	0.97	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	3181	0.89	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	26751	1.00	ng	0.00
22) Terphenyl-d14	22.43	244	27560	1.05	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.56	42	10207	0.95	ng	Qvalue # 95
5) Phenol	8.87	94	24776m	0.97	ng	
6) bis(2-Chloroethyl)ether	9.01	93	17902	0.97	ng	# 100
9) Nitrobenzene	10.83	77	19733	0.99	ng	100
10) 2,4-Dimethylphenol	11.78	122	14161	0.98	ng	100
11) 2,4-Dichlorophenol	12.16	162	10424	0.98	ng	95
12) Hexachlorobutadiene	12.81	225	7133	1.00	ng	99
16) 2,4-Dinitrophenol	16.84	184	238	0.77	ng	93
18) Hexachlorobenzene	19.17	284	10028	1.01	ng	95
19) Pentachlorophenol	19.61	266	1065	0.86	ng	94
21) Benzidine	22.10	184	15144	1.72	ng	98
23) Benzo(a)anthracene	23.77	228	168894	1.03	ng	100
24) 3,3'-Dichlorobenzidine	23.77	252	14472	1.04	ng	# 90
25) Chrysene	23.82	228	168092	0.98	ng	100
26) Indeno(1,2,3-cd)pyrene	26.97	276	44326	1.04	ng	98
28) Benzo(b)fluoranthene	25.04	252	34248	1.04	ng	99
29) Benzo(k)fluoranthene	25.07	252	45362	1.03	ng	99
30) Benzo(a)pyrene	25.42	252	32821	1.01	ng	99
31) Dibenzo(a,h)anthracene	27.00	278	36854	1.05	ng	98

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

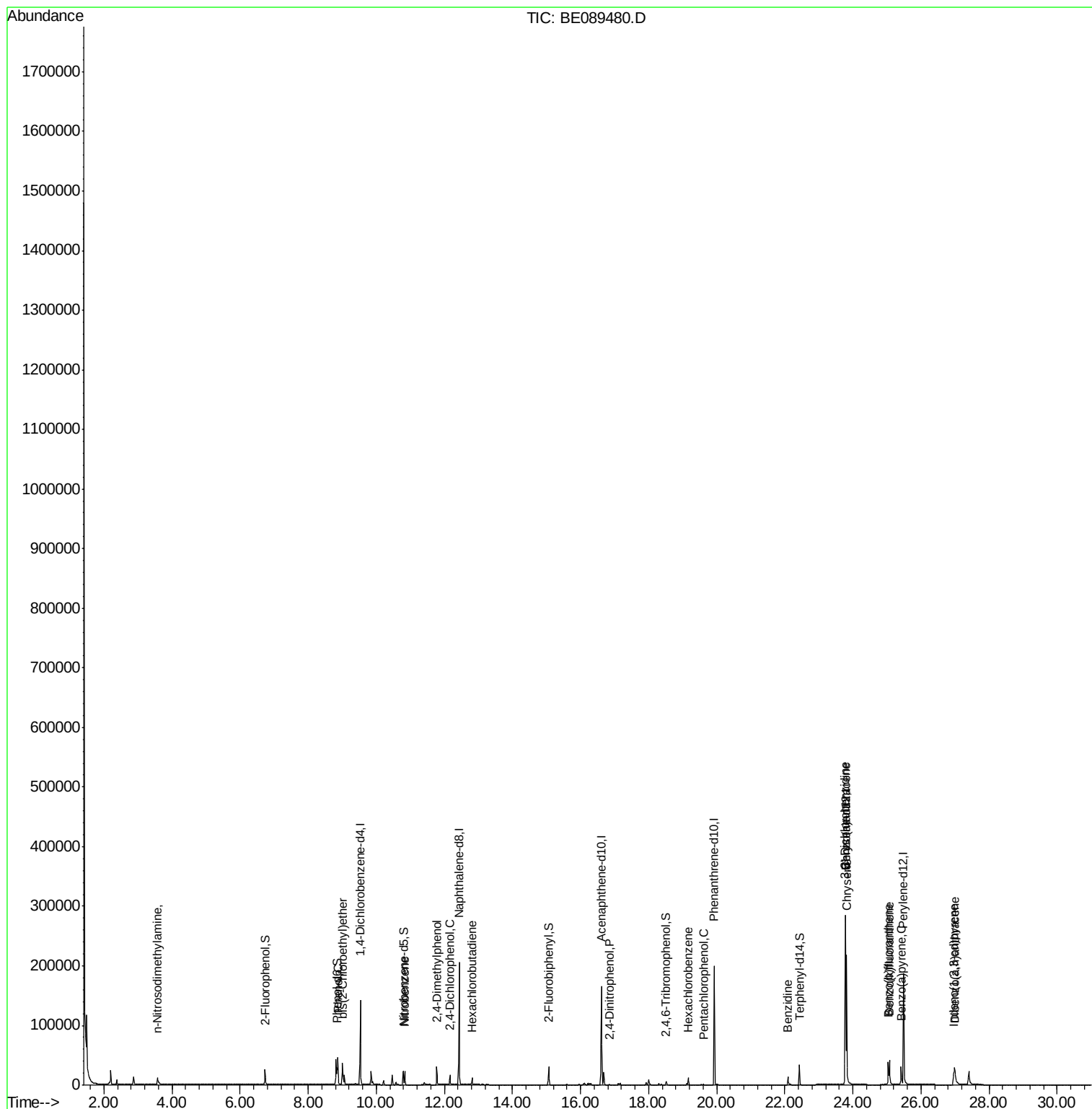
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Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\  
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Acq On    : 4 Feb 2015    1:25  
Operator  : TP/IZ  
Sample    : SSTDCCC001  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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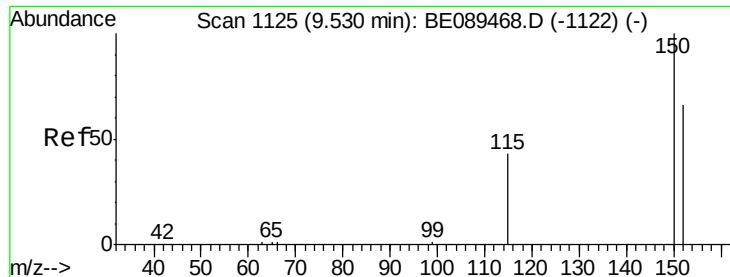
Instrument :
BNA_E
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SSTDCCC001

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Quant Time: Feb 04 03:04:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089480.D

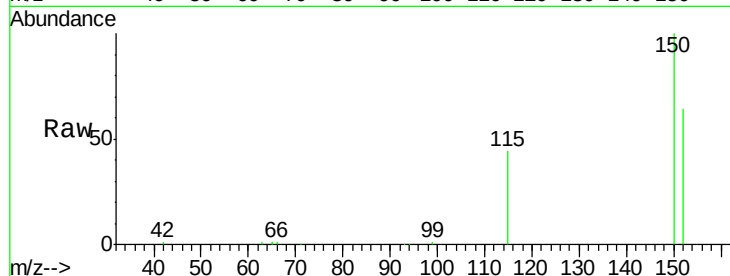
Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 57597

Ion Ratio Lower Upper

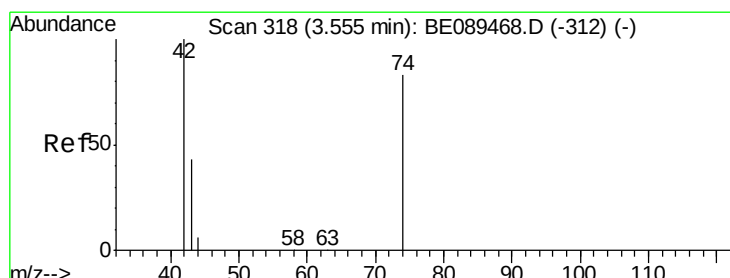
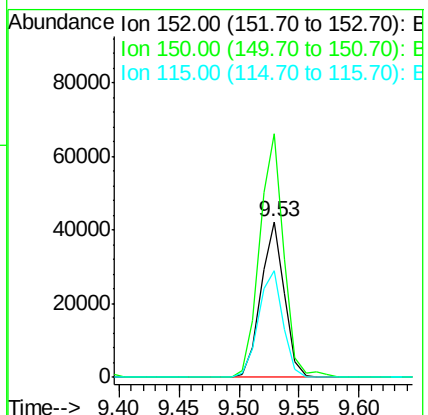
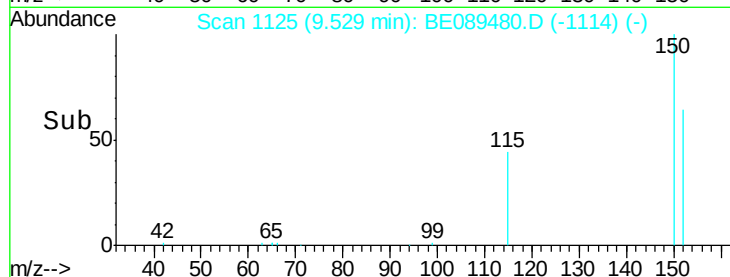
152 100

150 156.3 122.1 183.1

115 68.8 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 0.95 ng

RT: 3.56 min Scan# 319

Delta R.T. 0.01 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

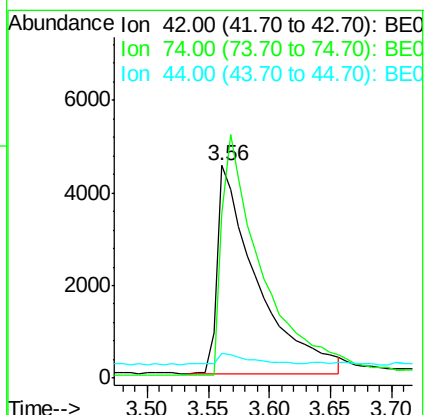
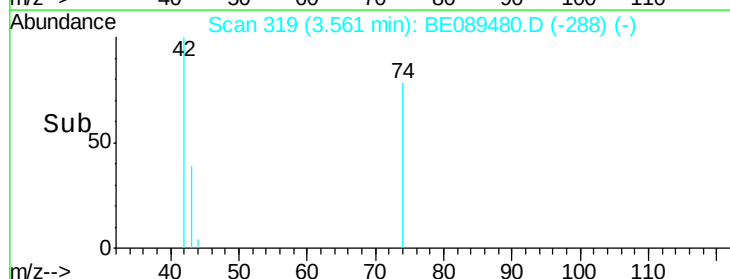
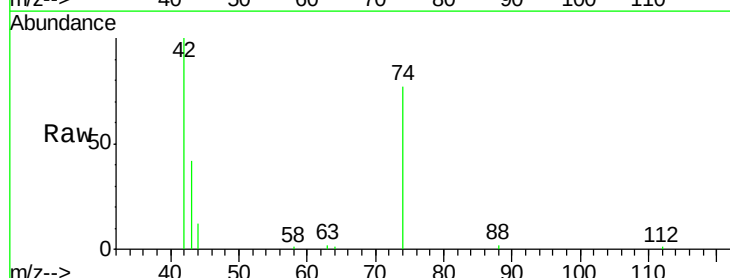
Tgt Ion: 42 Resp: 10207

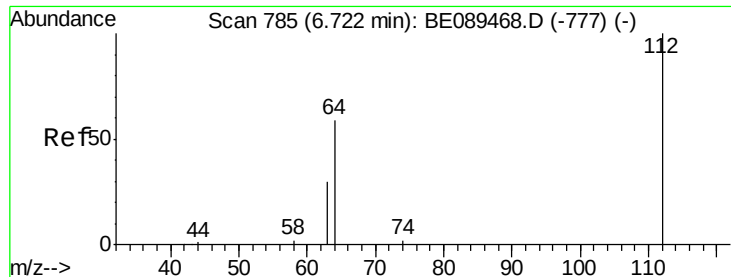
Ion Ratio Lower Upper

42 100

74 77.2 65.4 98.2

44 11.5 11.7 17.5#





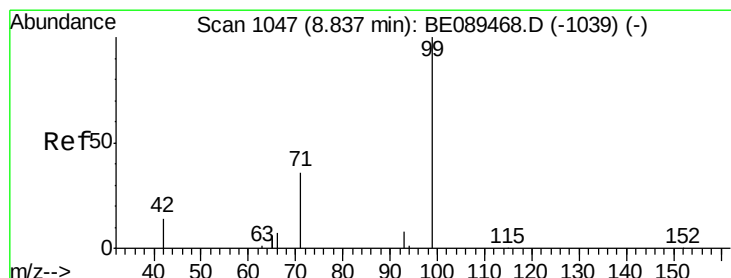
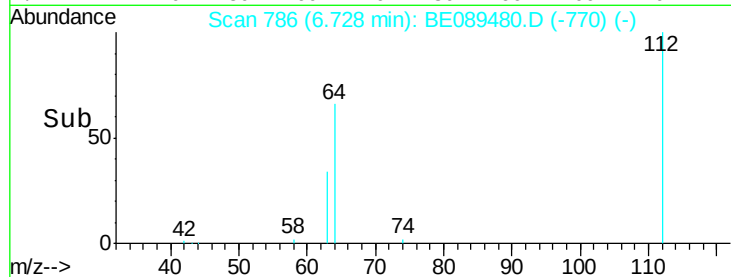
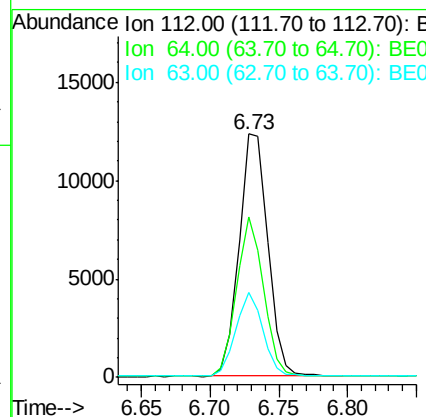
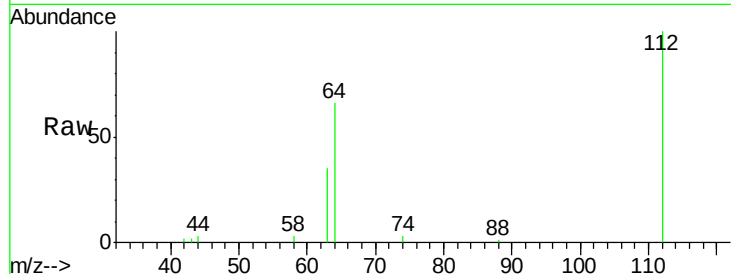
#3
 2-Fluorophenol
 Concen: 0.96 ng
 RT: 6.73 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: BE089480.D
 Acq: 4 Feb 2015 1:25

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	17870		
64	66.1	47.0	70.6	
63	34.7	24.2	36.2	

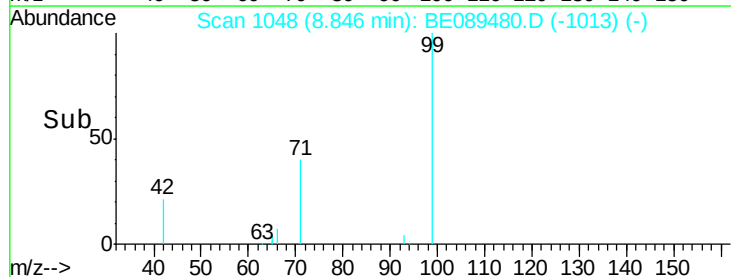
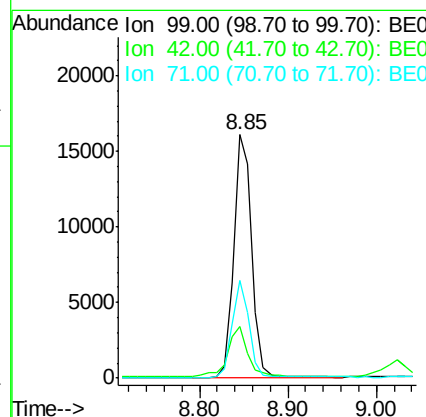
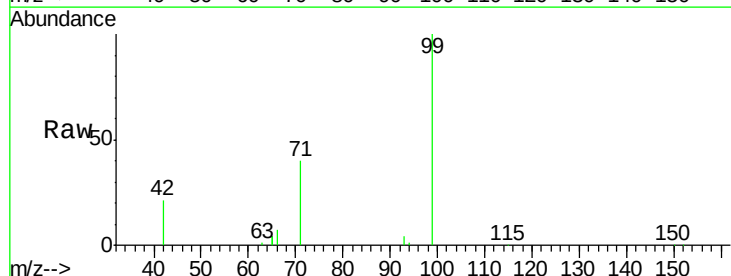
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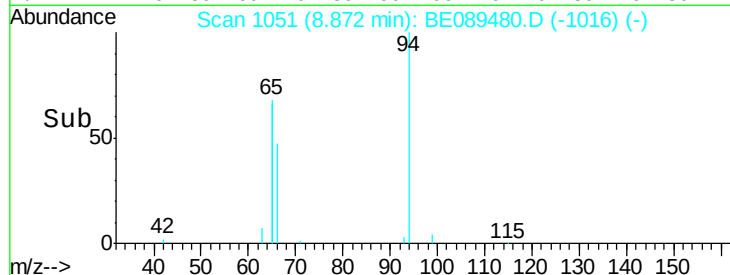
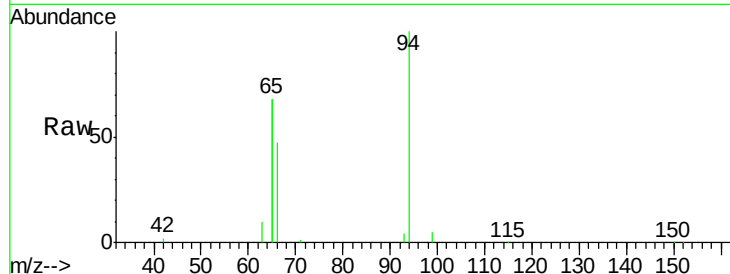
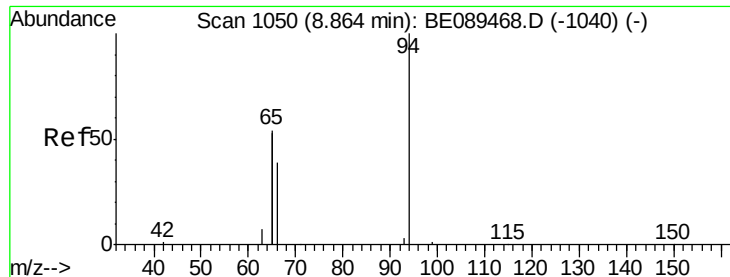
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#4
 Phenol-d6
 Concen: 0.97 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BE089480.D
 Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	22681		
42	21.2	11.8	17.6#	
71	40.2	28.7	43.1	





#5

Phenol

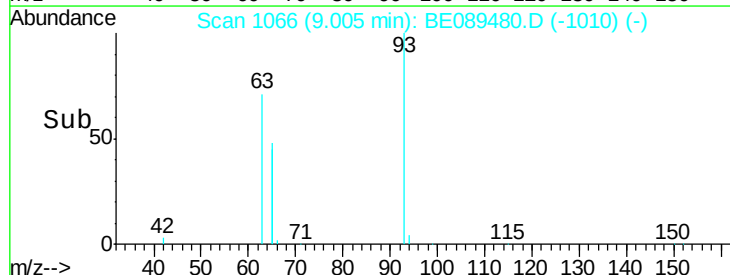
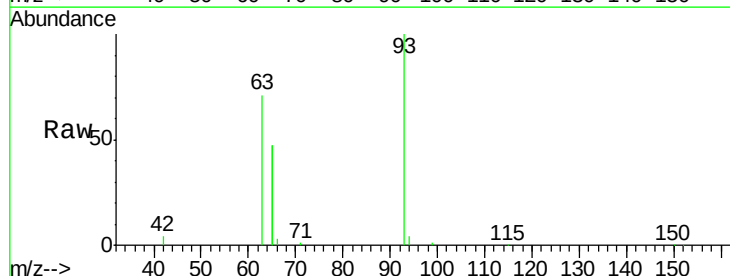
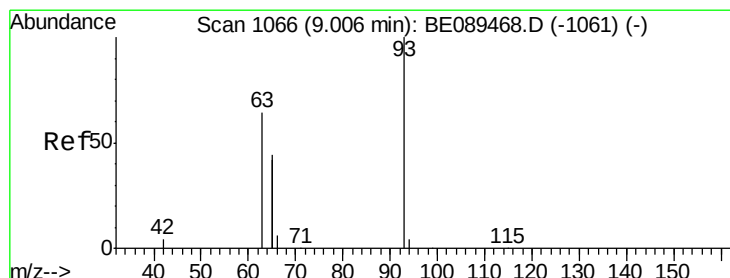
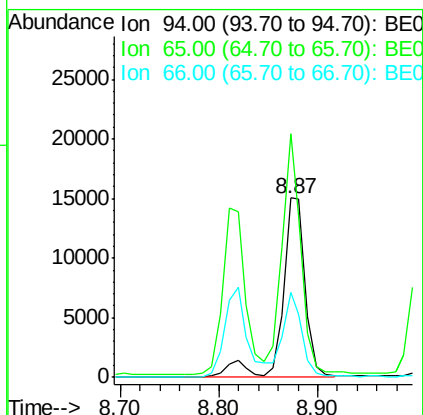
Concen: 0.97 ng m
RT: 8.87 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
94	100		
65	67.9	33.9	73.9
66	47.3	19.1	59.1

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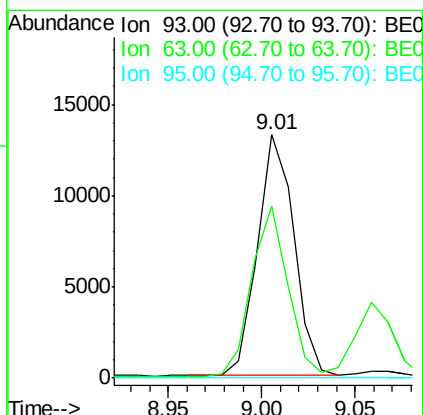


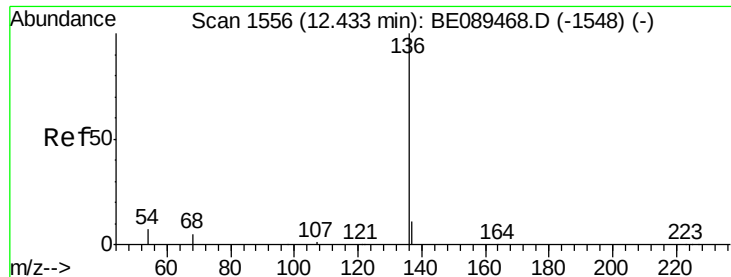
#6

bis(2-Chloroethyl)ether

Concen: 0.97 ng
RT: 9.01 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.9	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

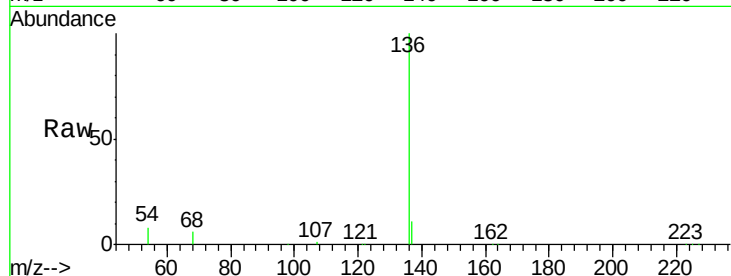
LabSampleId :

SSTDCCC001

Tgt Ion:	136	Resp:	230796
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	7.7	5.4	8.0

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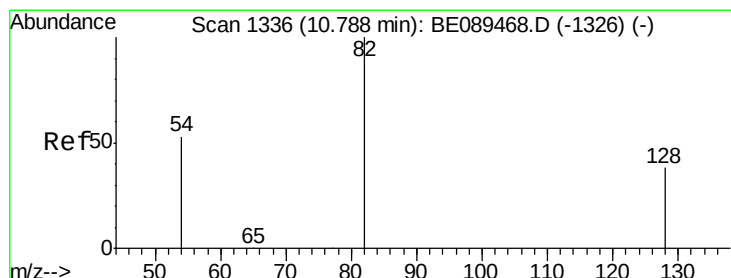
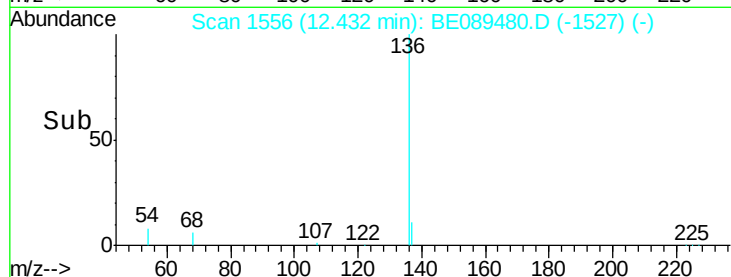
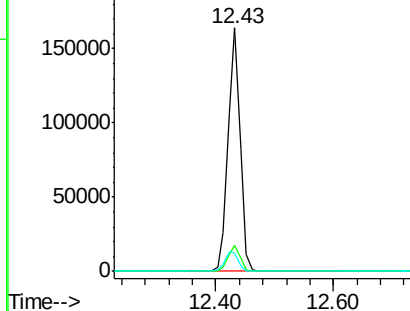
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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.97 ng

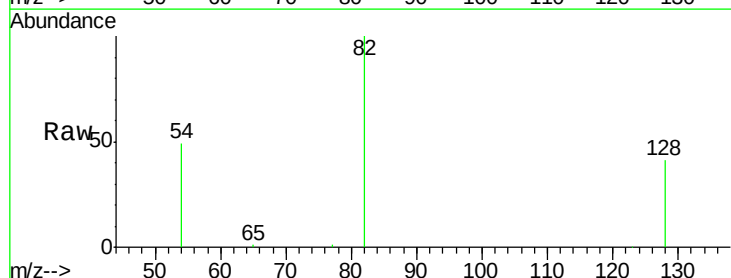
RT: 10.79 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

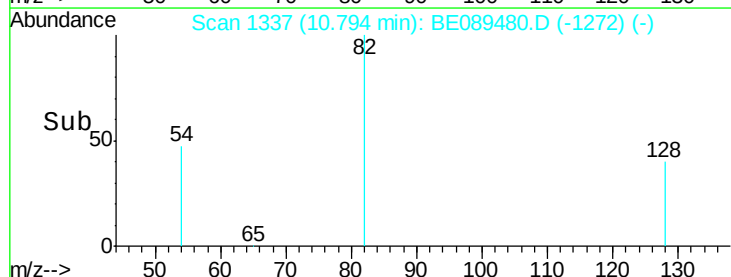
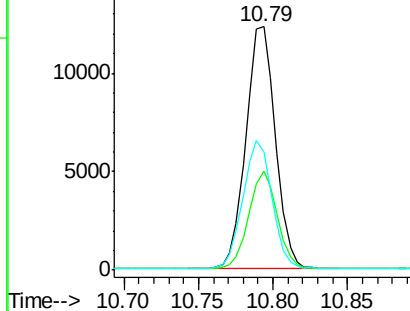
Tgt Ion:	82	Resp:	17013
Ion Ratio	Lower	Upper	
82	100		
128	40.5	30.3	45.5
54	48.7	43.1	64.7

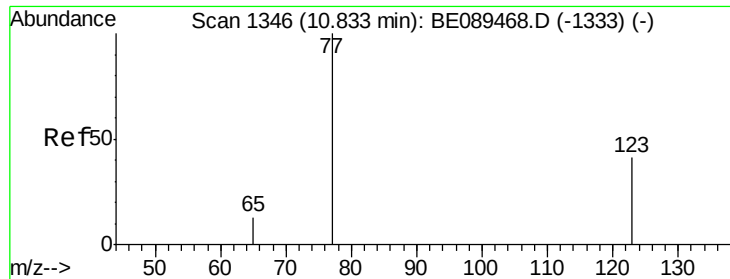


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.99 ng

RT: 10.83 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BE089480.D

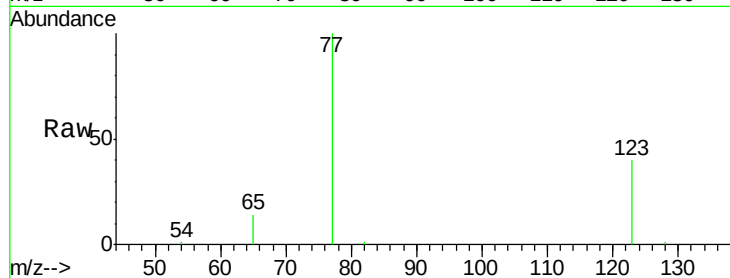
Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

LabSampleId :

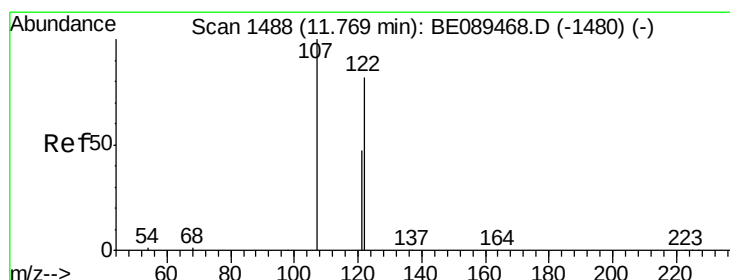
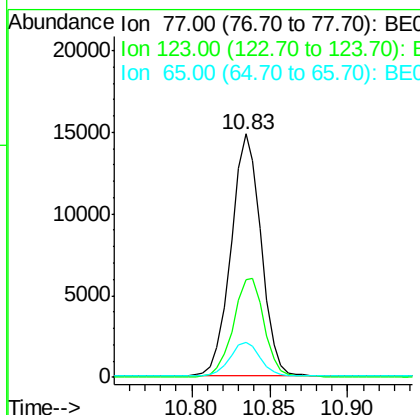
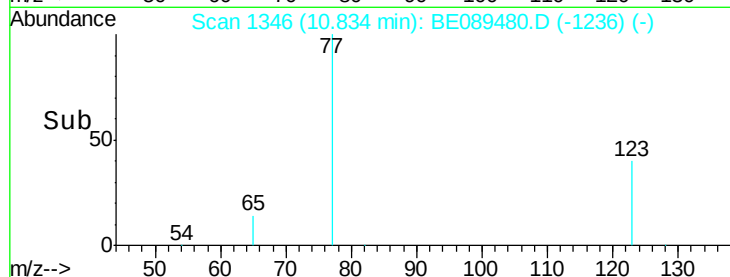
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Tgt Ion:	77	Resp:	19733
Ion	Ratio	Lower	Upper
77	100		
123	41.7	33.4	50.0
65	14.2	10.9	16.3

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#10

2,4-Dimethylphenol

Concen: 0.98 ng

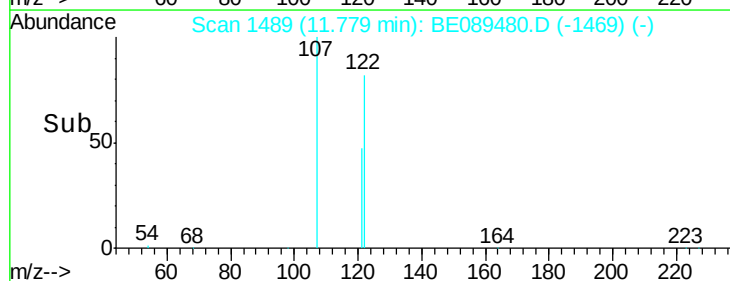
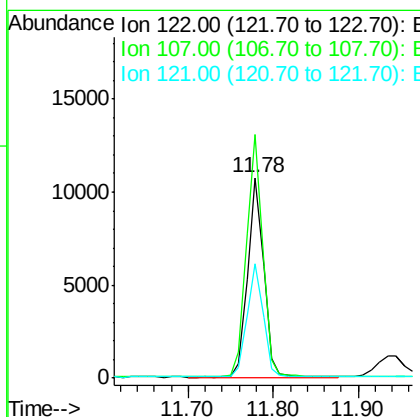
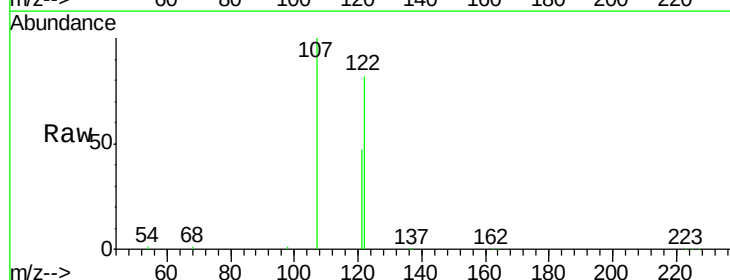
RT: 11.78 min Scan# 1489

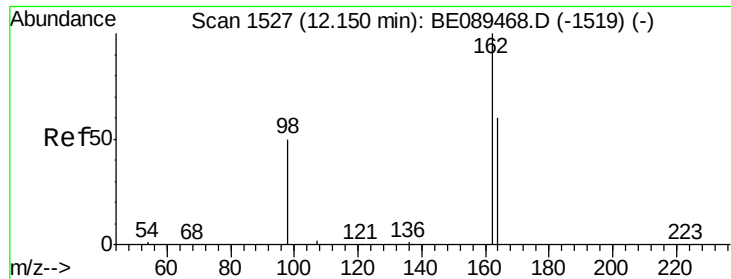
Delta R.T. 0.01 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Tgt Ion:	122	Resp:	14161
Ion	Ratio	Lower	Upper
122	100		
107	121.7	97.3	145.9
121	57.0	46.4	69.6





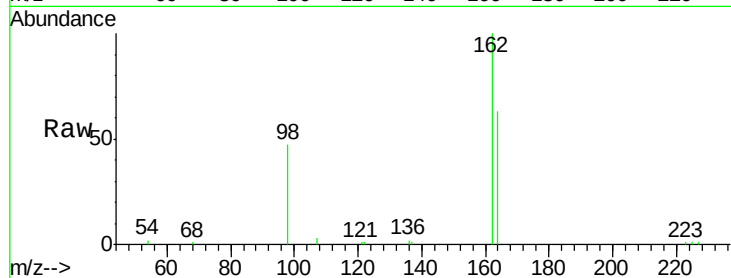
#11
2,4-Dichlorophenol
Concen: 0.98 ng
RT: 12.16 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

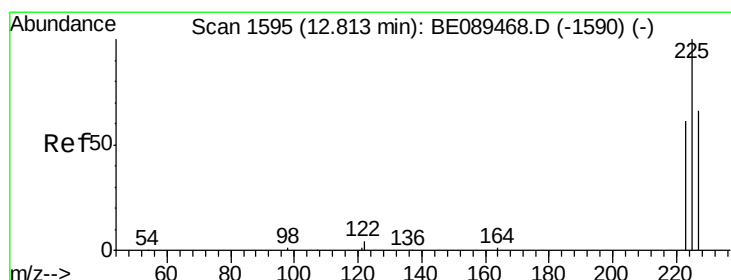
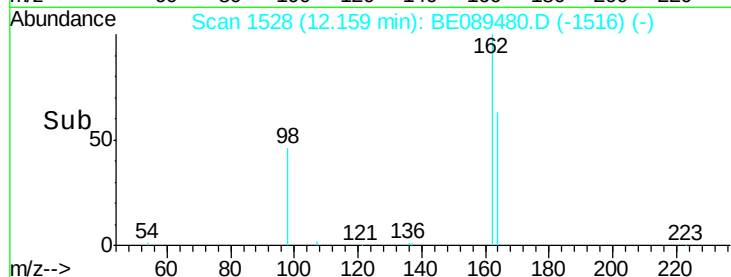
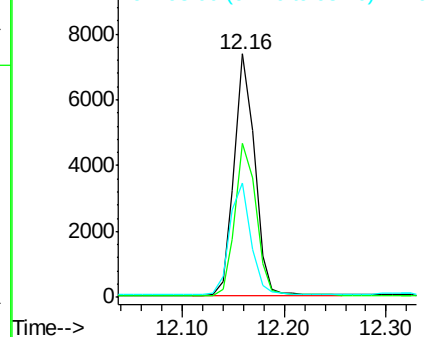
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.0	39.9	79.9
98	47.1	31.3	71.3

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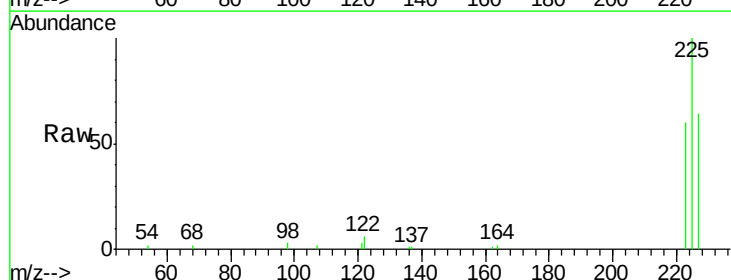


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

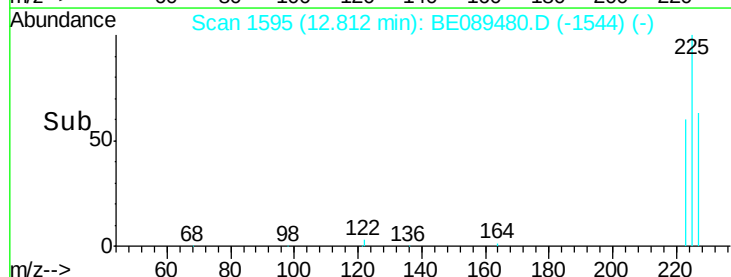
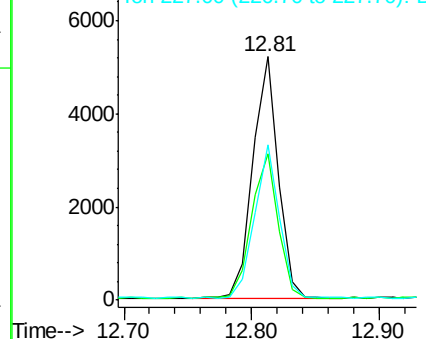


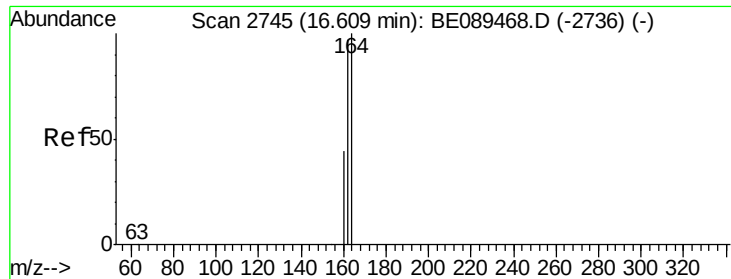
#12
Hexachlorobutadiene
Concen: 1.00 ng
RT: 12.81 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.0
227	62.0	51.2	76.8



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





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.61 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BE089480.D

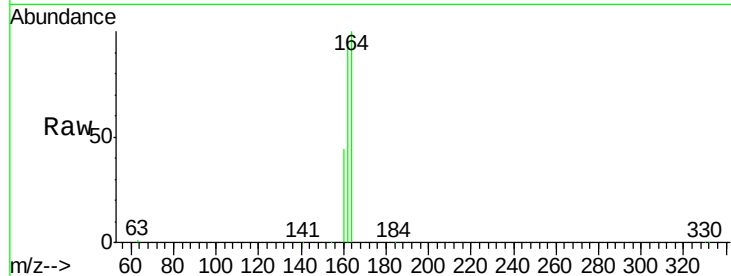
Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

LabSampleId :

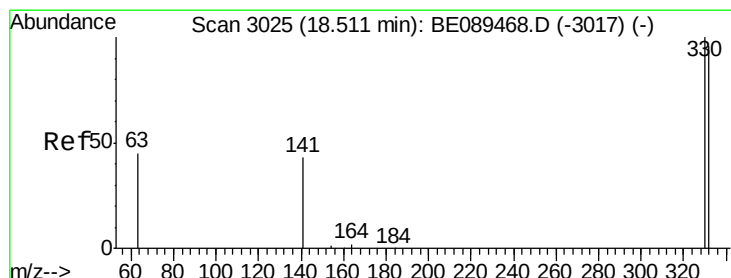
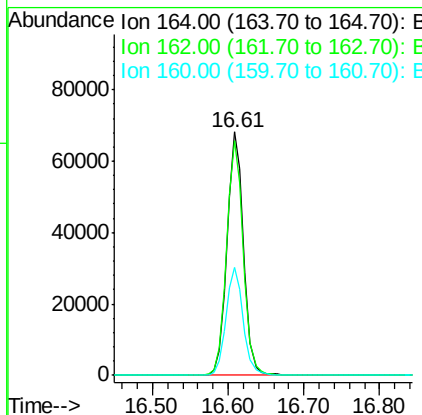
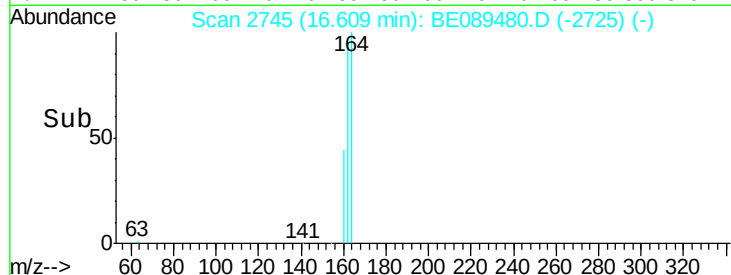
SSTDCCC001



Tgt Ion:	164	Resp:	101668
Ion Ratio	Lower	Upper	
164	100		
162	96.4	77.6	116.4
160	44.3	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 0.89 ng

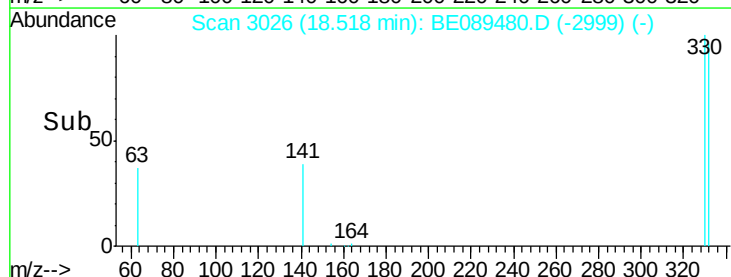
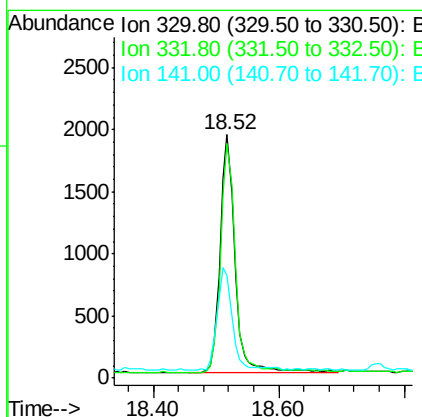
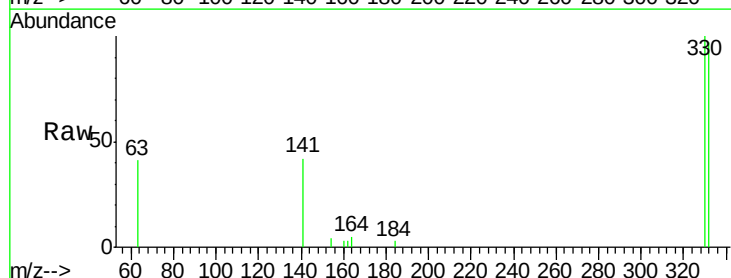
RT: 18.52 min Scan# 3026

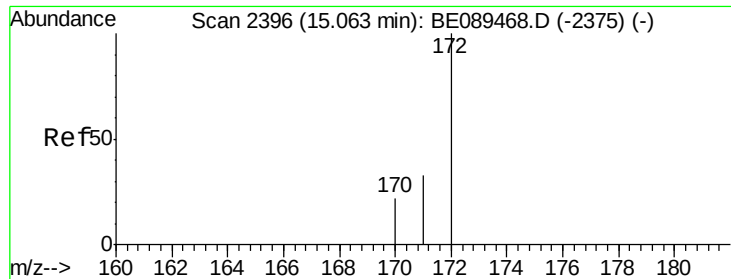
Delta R.T. 0.01 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Tgt Ion:	330	Resp:	3181
Ion Ratio	Lower	Upper	
330	100		
332	93.2	78.0	117.0
141	44.7	33.8	50.6





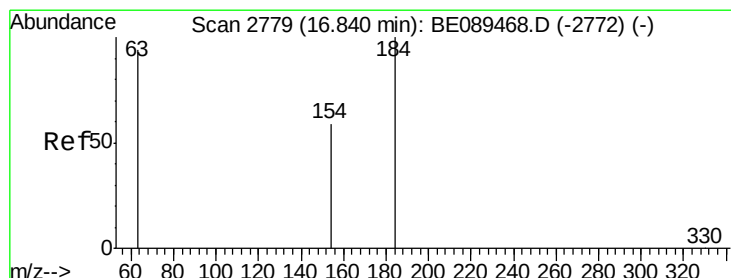
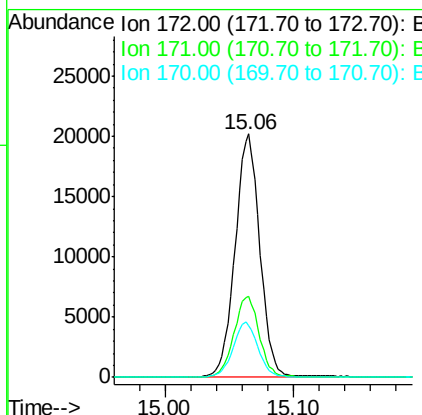
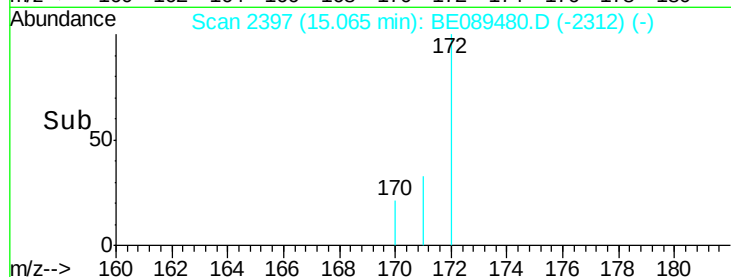
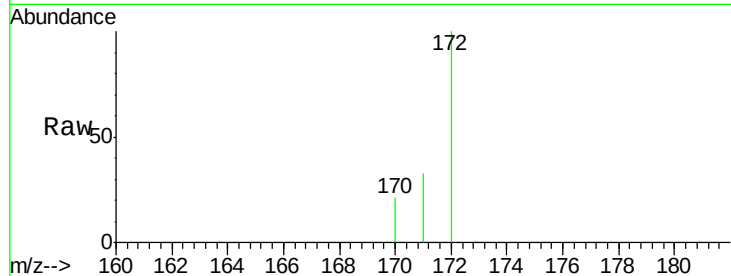
#15
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 15.06 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.8	40.2
170	21.4	17.7	26.5

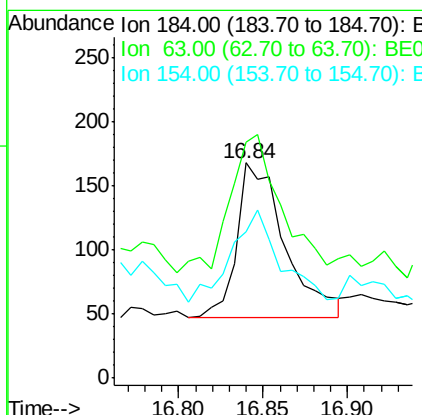
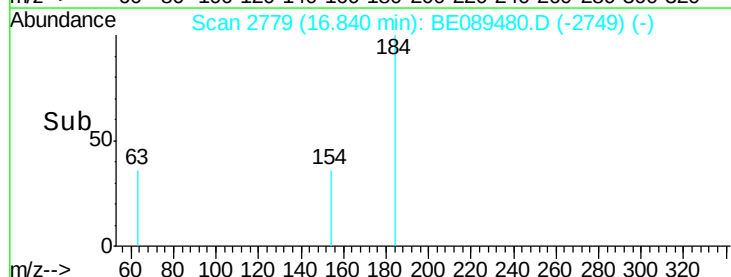
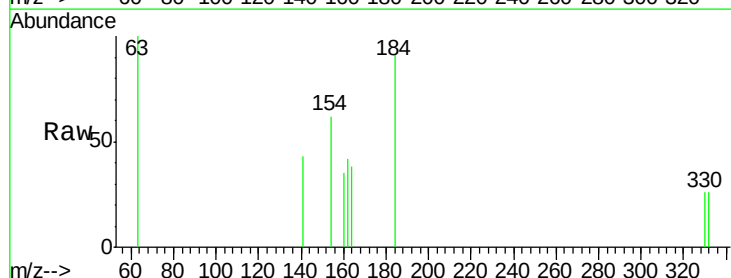
Manual Integrations
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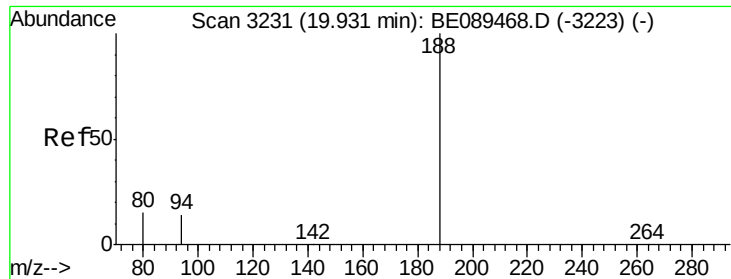
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#16
2,4-Dinitrophenol
Concen: 0.77 ng
RT: 16.84 min Scan# 2779
Delta R.T. 0.00 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	109.5	92.1	138.1
154	67.9	61.4	92.2





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.93 min Scan# 3231

Delta R.T. -0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

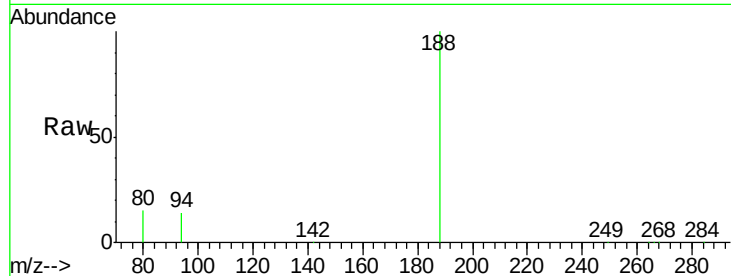
LabSampleId :

SSTDCCC001

Tgt Ion:	188	Resp:	191950
Ion Ratio	Lower	Upper	
188	100		
94	14.0	11.1	16.7
80	14.9	11.8	17.6

Manual Integrations
APPROVED

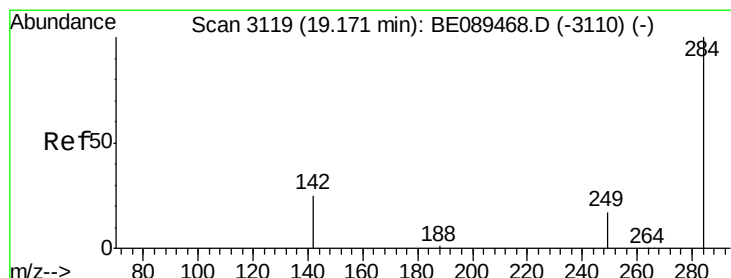
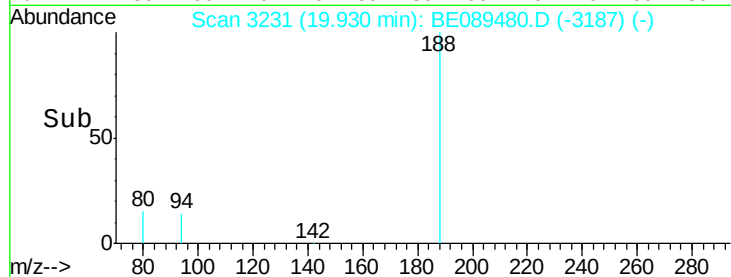
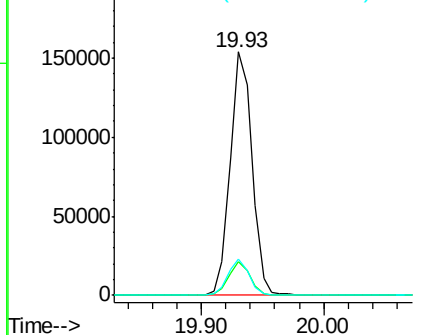
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 1.01 ng

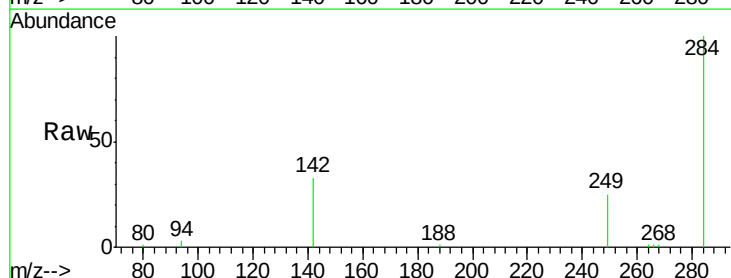
RT: 19.17 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

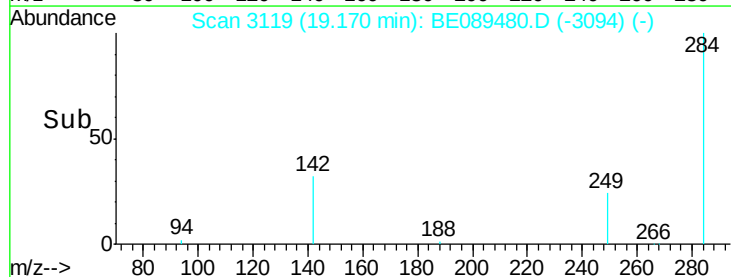
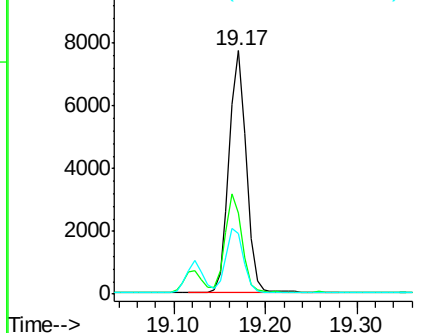
Tgt Ion:	284	Resp:	10028
Ion Ratio	Lower	Upper	
284	100		
142	33.1	24.4	36.6
249	24.9	18.2	27.2

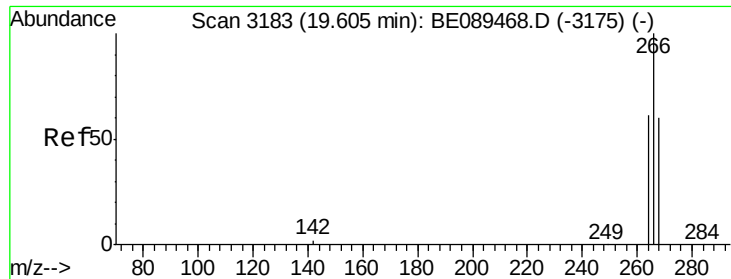


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





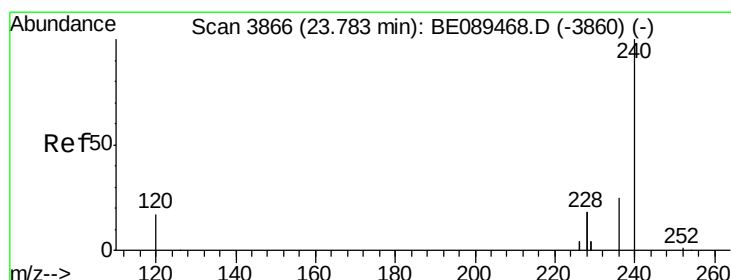
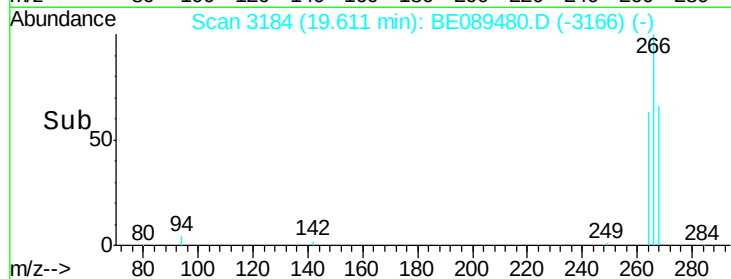
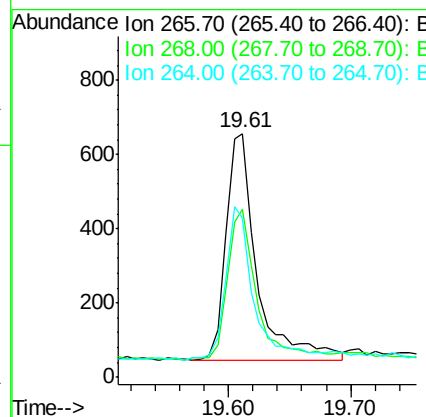
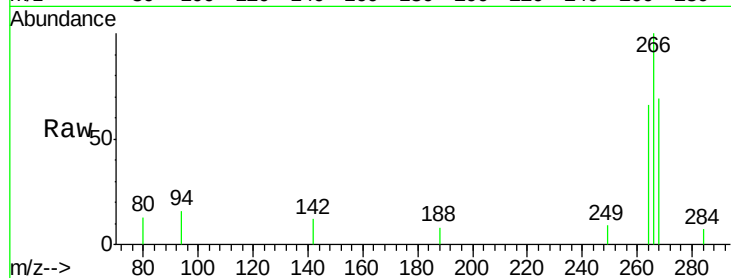
#19
 Pentachlorophenol
 Concen: 0.86 ng
 RT: 19.61 min Scan# 3184
 Delta R.T. 0.01 min
 Lab File: BE089480.D
 Acq: 4 Feb 2015 1:25

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.1	50.0	75.0
264	65.5	50.6	75.8

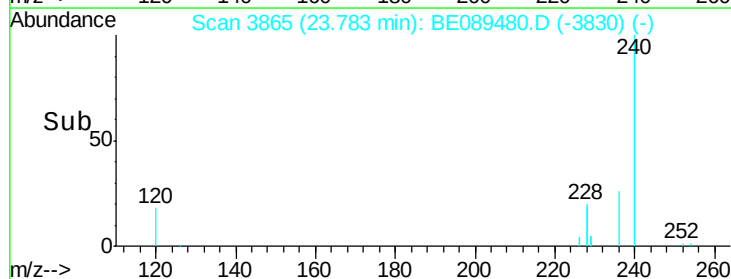
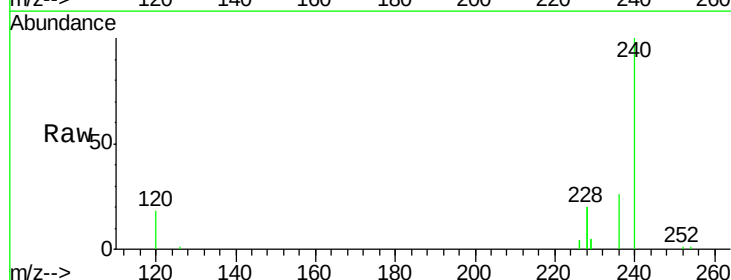
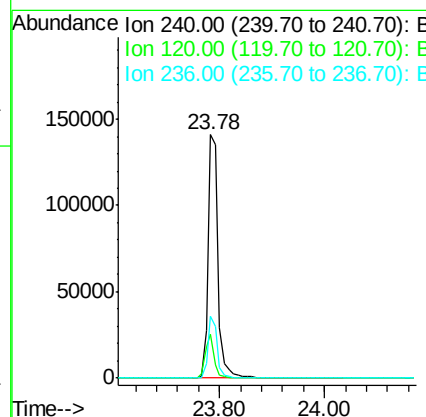
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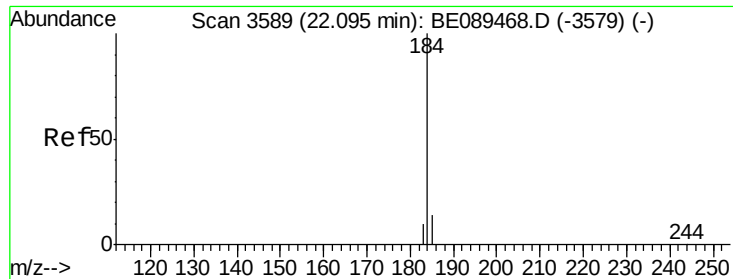
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#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: BE089480.D
 Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.0	13.8	20.6
236	25.6	20.2	30.2





#21

Benzidine

Concen: 1.72 ng

RT: 22.10 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

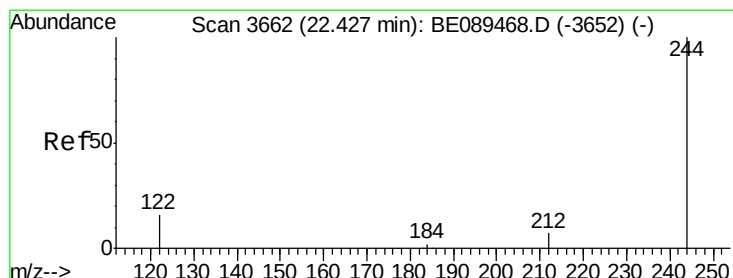
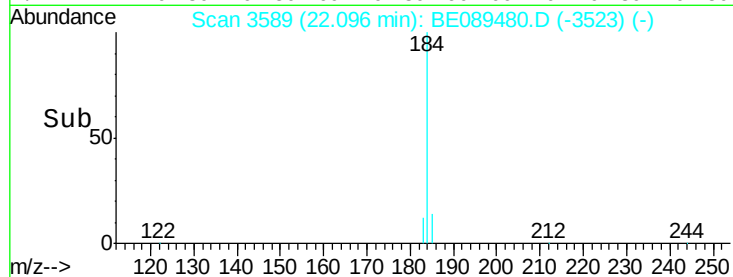
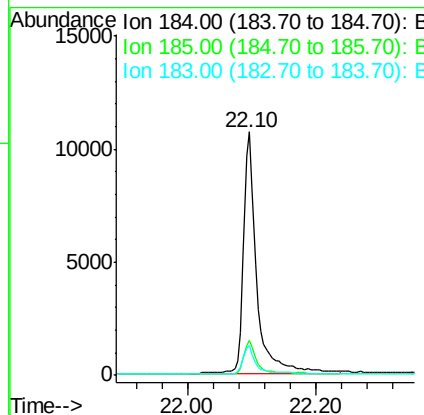
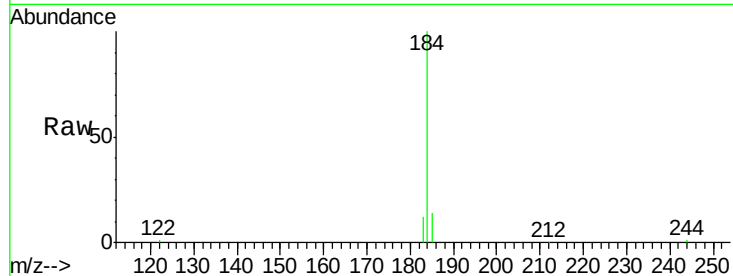
LabSampleId :

SSTDCCC001

Tgt Ion:	184	Resp:	15144
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.0	18.0
183	12.2	9.0	13.4

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#22

Terphenyl-d14

Concen: 1.05 ng

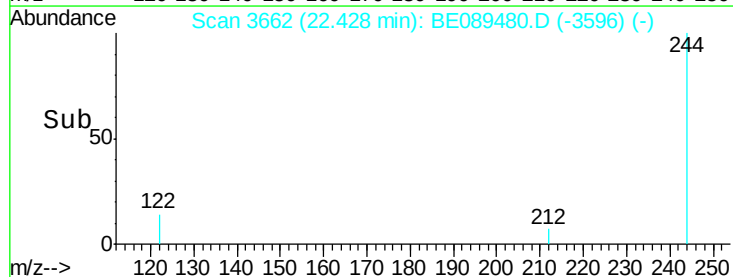
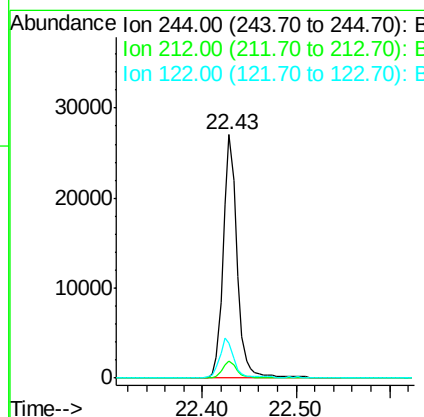
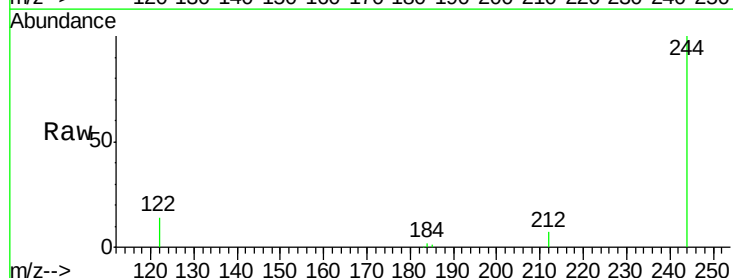
RT: 22.43 min Scan# 3662

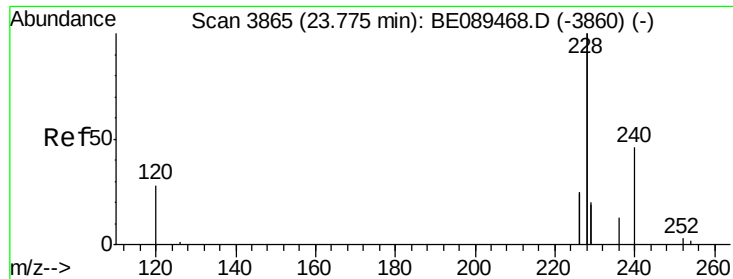
Delta R.T. 0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Tgt Ion:	244	Resp:	27560
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.5	8.3
122	14.4	12.6	19.0





#23

Benzo(a)anthracene

Concen: 1.03 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

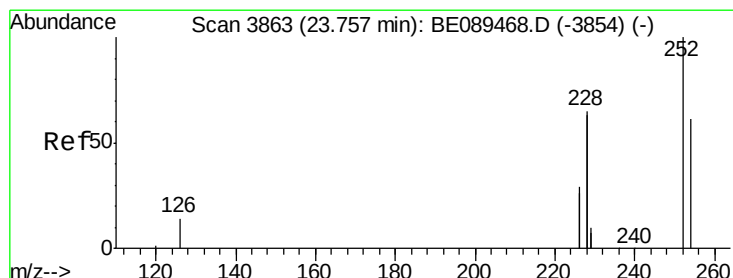
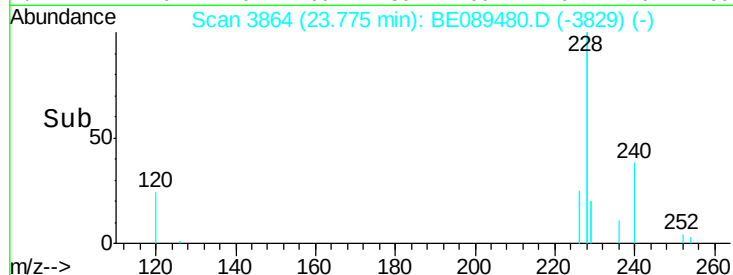
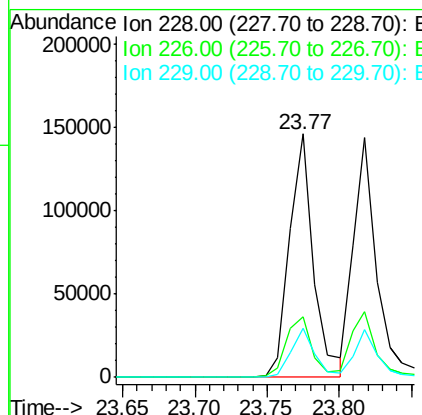
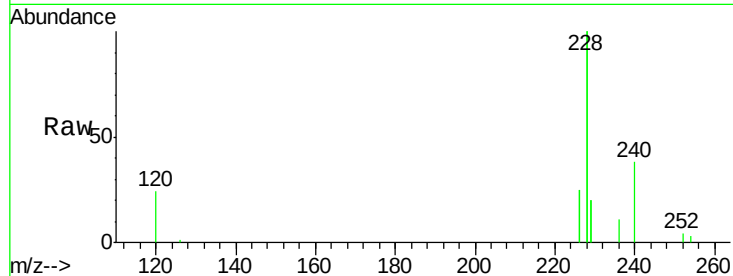
LabSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	168894
Ion Ratio		Lower	Upper
228	100		
226	24.7	19.6	29.4
229	20.1	15.9	23.9

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#24

3,3'-Dichlorobenzidine

Concen: 1.04 ng

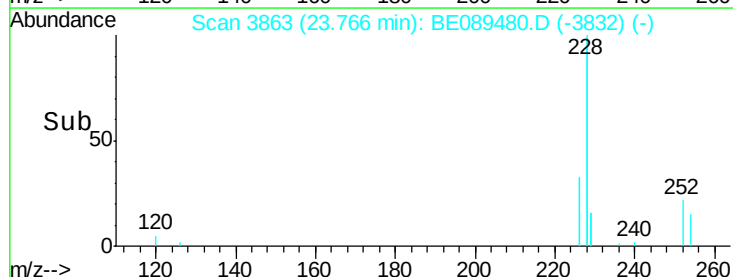
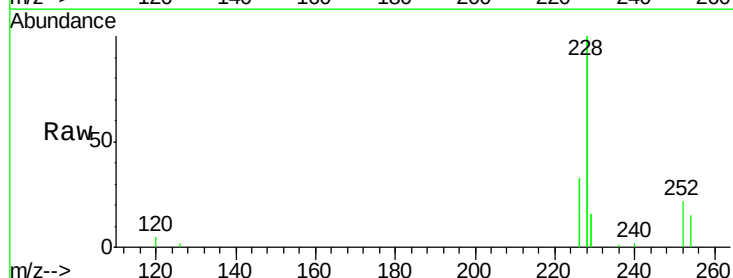
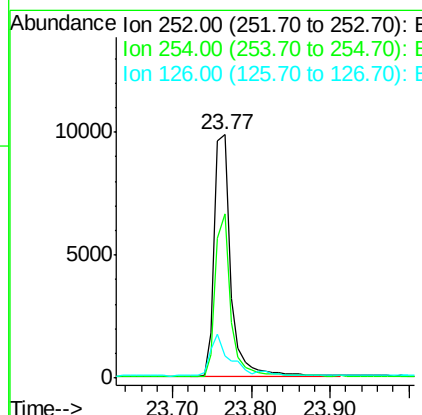
RT: 23.77 min Scan# 3863

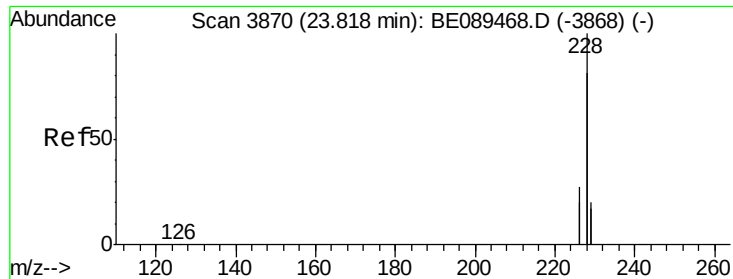
Delta R.T. 0.01 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Tgt Ion:	252	Resp:	14472
Ion Ratio		Lower	Upper
252	100		
254	67.6	48.6	73.0
126	9.1	12.4	18.6





#25

Chrysene

Concen: 0.98 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

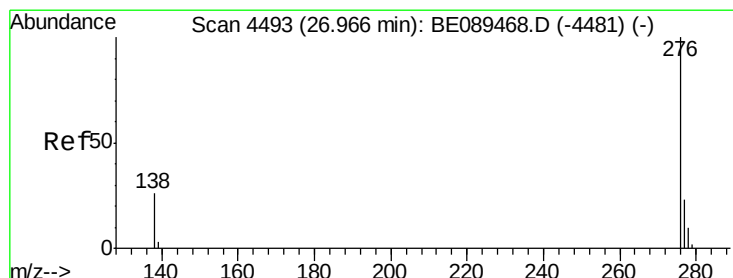
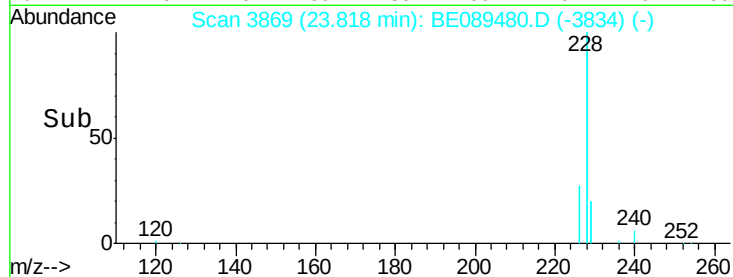
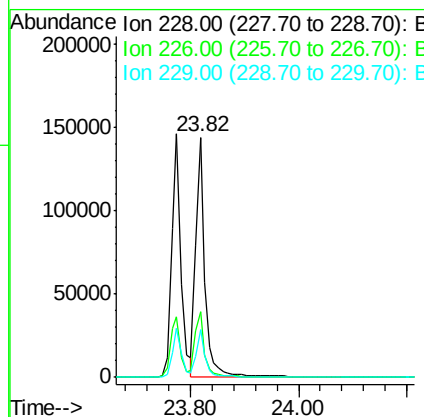
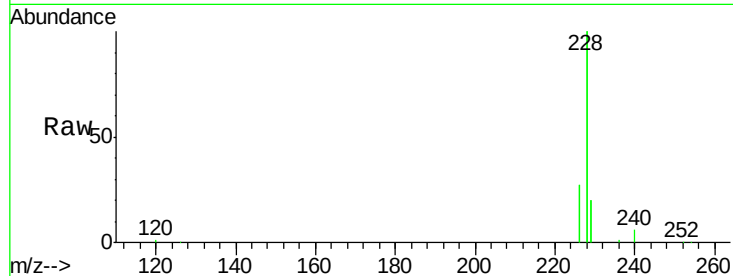
LabSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	168092
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.8	32.8
229	19.9	16.2	24.2

Manual Integrations
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#26

Indeno(1,2,3-cd)pyrene

Concen: 1.04 ng

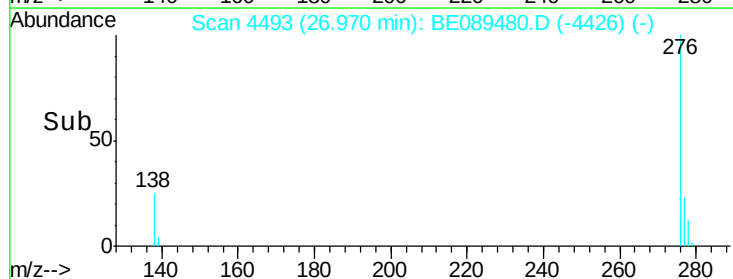
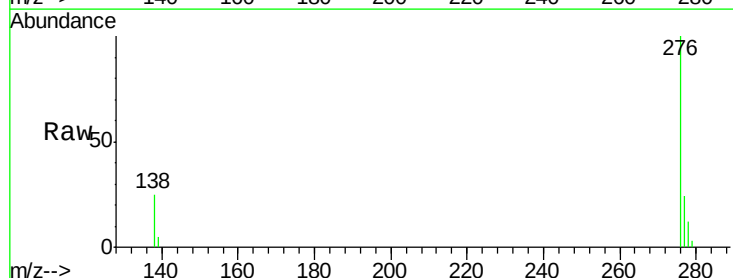
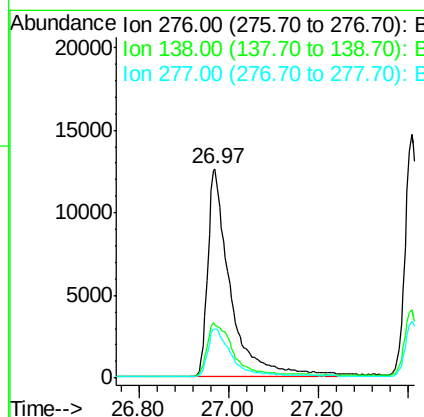
RT: 26.97 min Scan# 4493

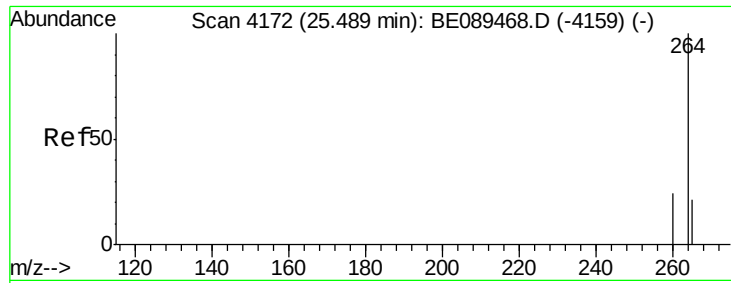
Delta R.T. 0.00 min

Lab File: BE089480.D

Acq: 4 Feb 2015 1:25

Tgt Ion:	276	Resp:	44326
Ion Ratio	Lower	Upper	
276	100		
138	29.1	24.2	36.4
277	23.6	19.9	29.9





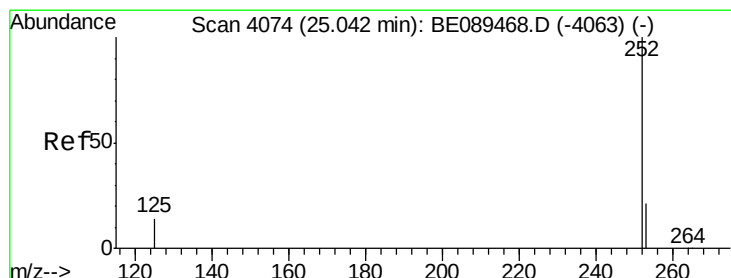
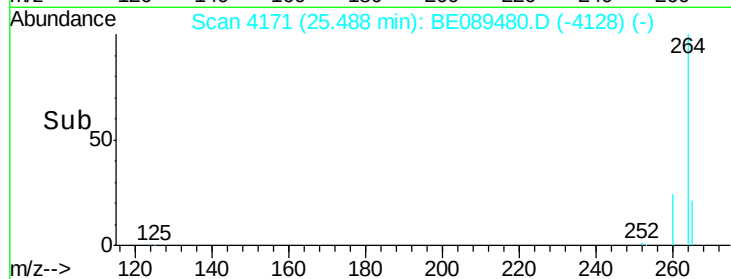
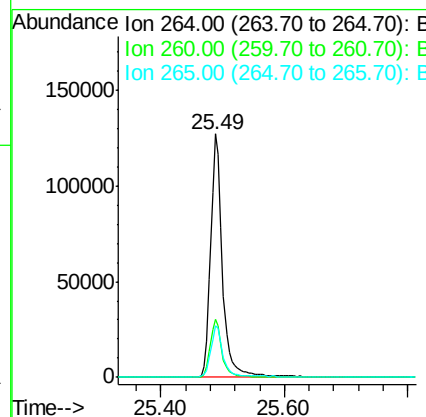
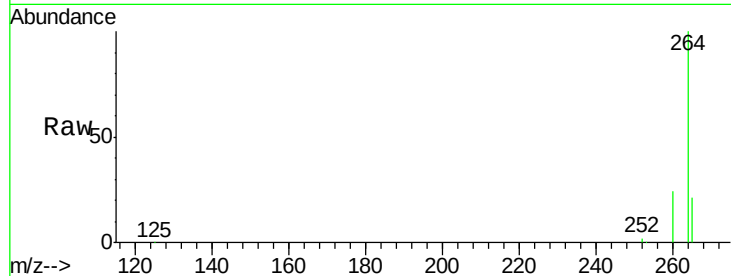
#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4171
 Delta R.T. -0.00 min
 Lab File: BE089480.D
 Acq: 4 Feb 2015 1:25

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	170287		
260	24.0	19.1	28.7	
265	21.3	17.0	25.6	

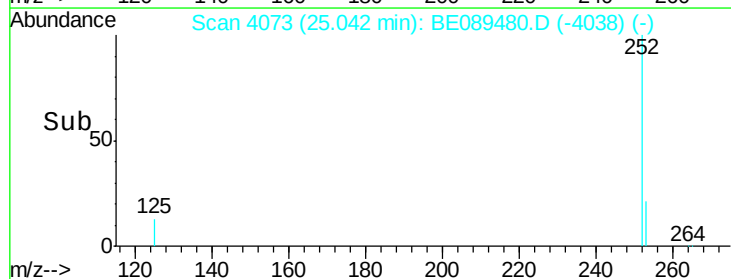
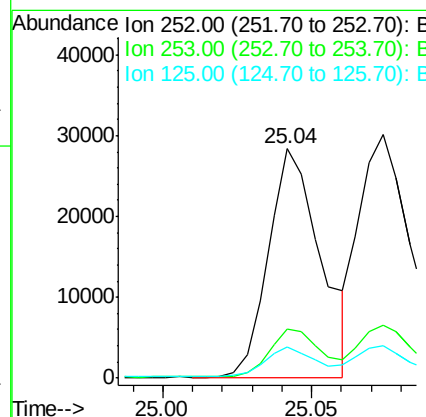
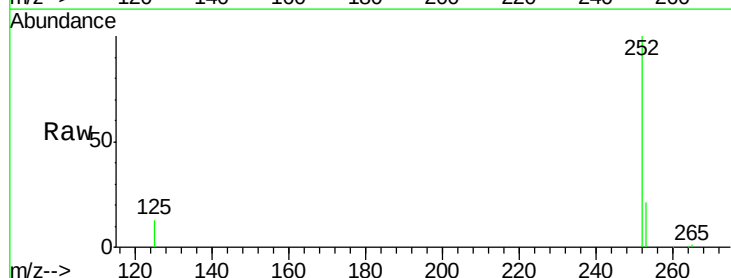
Manual Integrations
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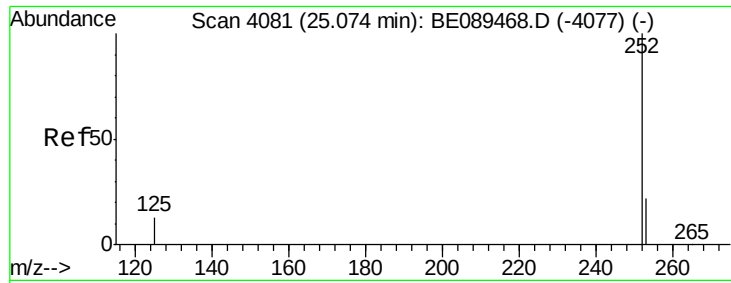
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#28
 Benzo(b)fluoranthene
 Concen: 1.04 ng
 RT: 25.04 min Scan# 4073
 Delta R.T. -0.00 min
 Lab File: BE089480.D
 Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	34248		
253	21.2	17.4	26.2	
125	13.4	11.3	16.9	





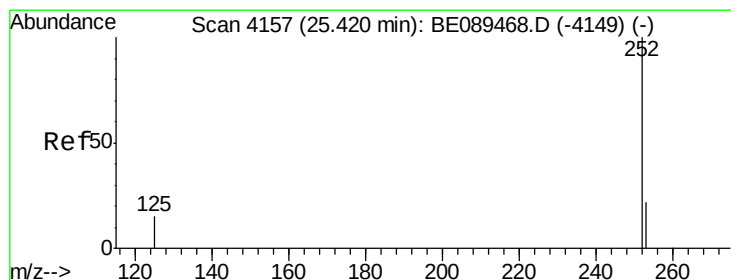
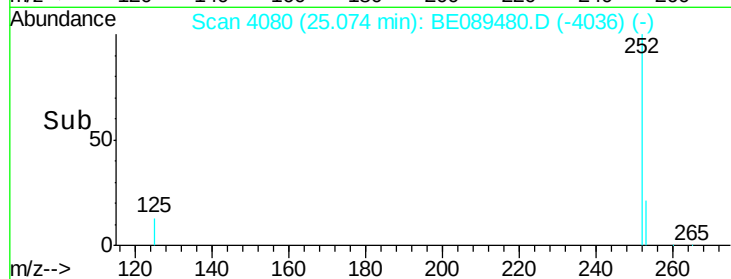
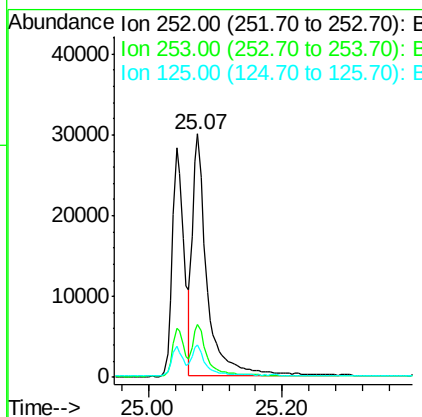
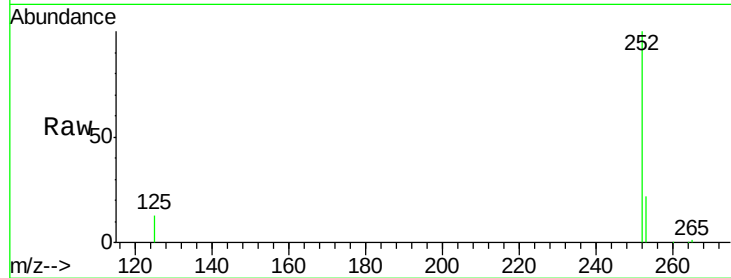
#29
Benzo(k)fluoranthene
Concen: 1.03 ng
RT: 25.07 min Scan# 4080
Delta R.T. -0.00 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	13.3	10.6	15.8

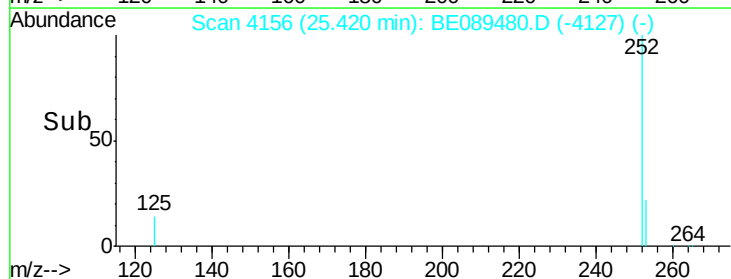
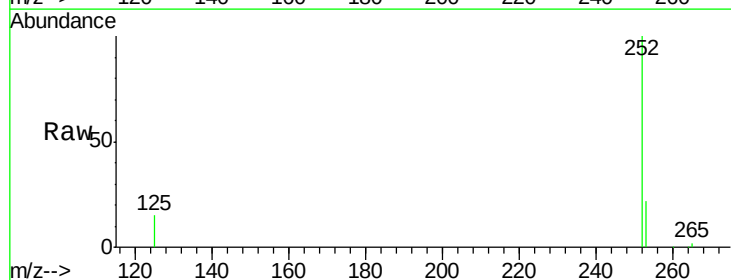
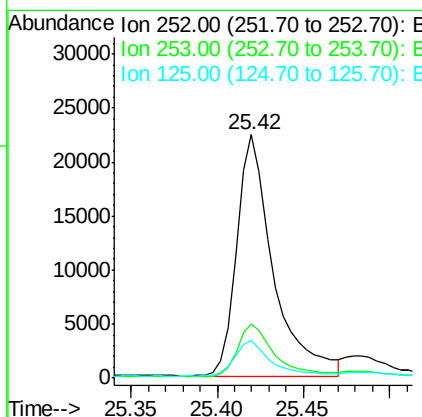
Manual Integrations
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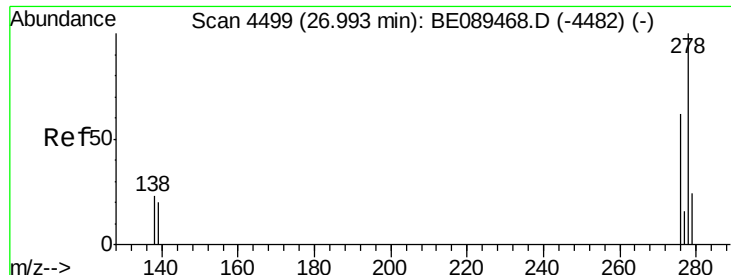
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#30
Benzo(a)pyrene
Concen: 1.01 ng
RT: 25.42 min Scan# 4156
Delta R.T. -0.00 min
Lab File: BE089480.D
Acq: 4 Feb 2015 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	15.2	12.2	18.4





#31

Dibenzo(a,h)anthracene

Concen: 1.05 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.00 min

Lab File: BE089480.D

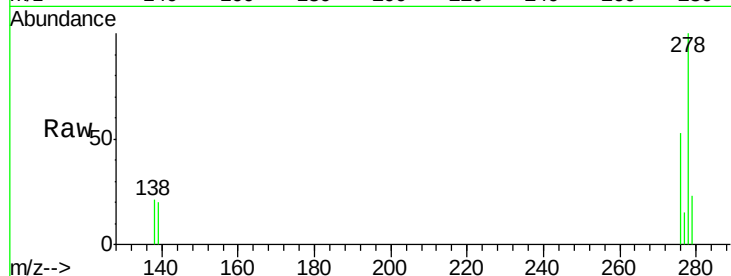
Acq: 4 Feb 2015 1:25

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 278 Resp: 36854

Ion Ratio Lower Upper

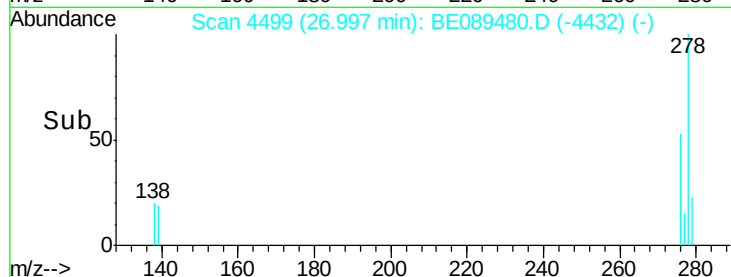
278 100

139 19.7 16.8 25.2

279 23.5 19.4 29.0

Manual Integrations
APPROVED

apatel
2/4/2015 2:55:30 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

