

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010915\
 Data File : BE089387.D
 Acq On : 9 Jan 2015 18:28
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
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 1/12/2015 4:10:12 PM

Quant Time: Jan 10 00:37:29 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 10 00:23:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	22390	5.00	ng	0.00
2) Naphthalene-d8	8.49	136	84886	5.00	ng	0.00
6) Acenaphthene-d10	10.63	164	39067	5.00	ng	0.00
11) Phenanthrene-d10	12.68	188	56947	5.00	ng	0.00
15) Chrysene-d12	18.02	240	40590	5.00	ng	0.00
21) Perylene-d12	21.07	264	35598	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.63	82	6348	1.08	ng	0.00
7) 2-Fluorobiphenyl	9.83	172	11069	1.04	ng	0.00
17) Terphenyl-d14	15.81	244	6989	0.97	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.52	128	19876	1.04	ng	99
5) 2-Methylnaphthalene	9.37	142	12316	1.03	ng	99
8) Acenaphthylene	10.45	152	68630	1.03	ng	100
9) Acenaphthene	10.67	154	10375	1.00	ng	98
10) Fluorene	11.32	166	11375	1.02	ng	99
12) Phenanthrene	12.72	178	61218	1.03	ng	99
13) Anthracene	12.80	178	59832	1.04	ng	100
14) Fluoranthene	14.92	202	13055	0.99	ng	98
16) Pyrene	15.36	202	14051	1.05	ng	99
18) Benzo(a)anthracene	18.00	228	39872	0.97	ng	99
19) Chrysene	18.08	228	43370	1.05	ng	99
20) Indeno(1,2,3-cd)pyrene	23.15	276	33857m	0.86	ng	
22) Benzo(b)fluoranthene	20.31	252	7518	0.97	ng	100
23) Benzo(k)fluoranthene	20.37	252	10565	1.08	ng	99
24) Benzo(a)pyrene	20.95	252	7263	0.95	ng	99
25) Dibenzo(a,h)anthracene	23.23	278	5966	0.85	ng	99
26) Benzo(g,h,i)perylene	23.73	276	31159	0.88	ng	99

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

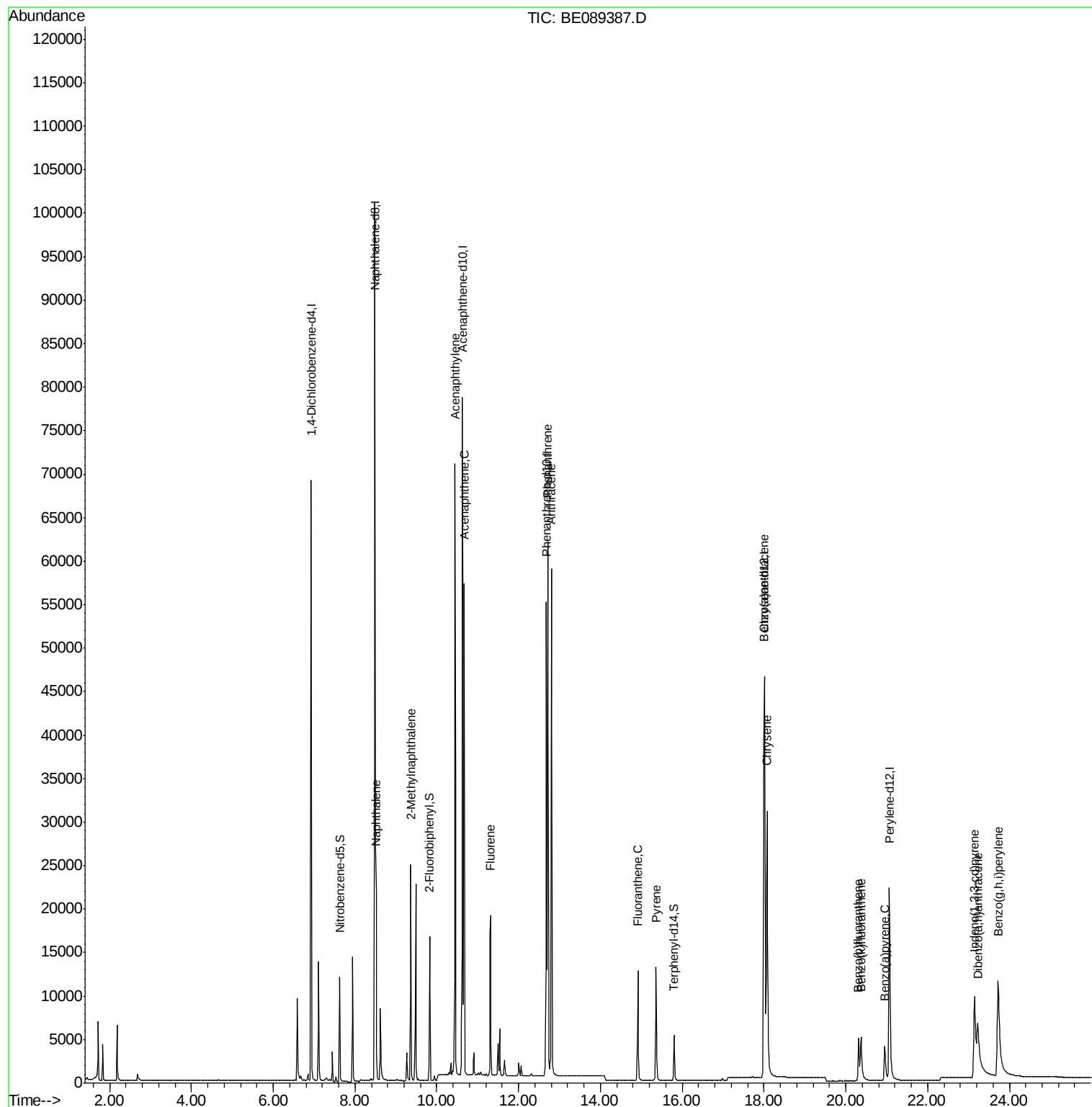
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010915\
Data File : BE089387.D
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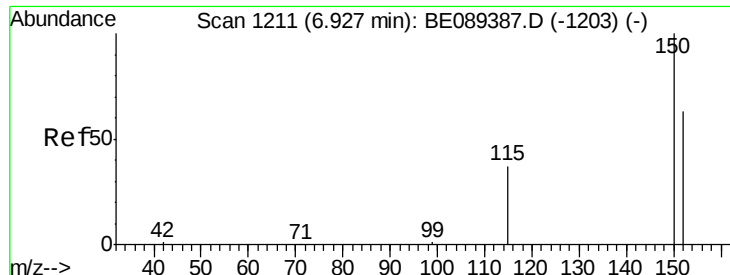
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.93 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BE089387.D

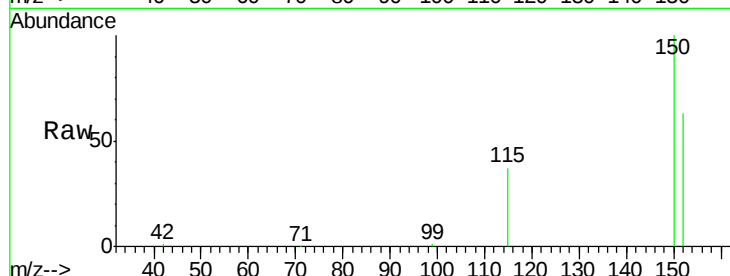
Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion:152 Resp: 22390

Ion Ratio Lower Upper

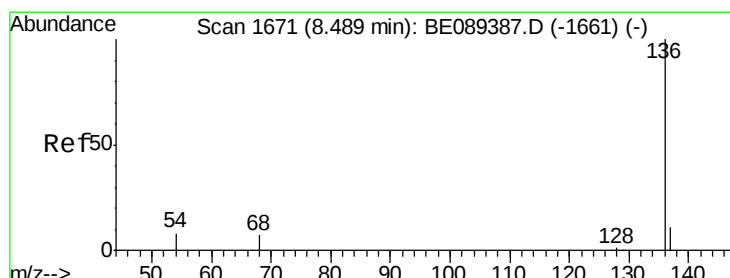
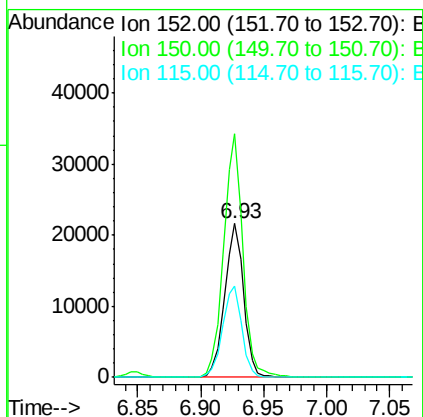
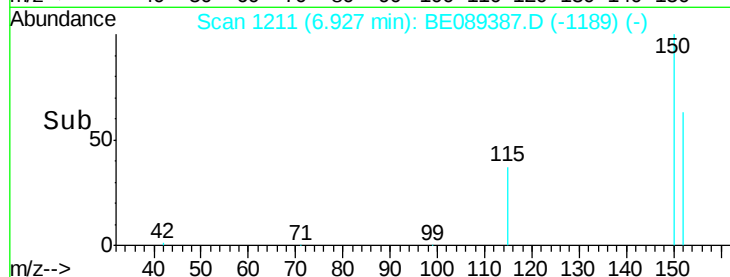
152 100

150 158.4 121.5 182.3

115 59.2 45.2 67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.49 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Tgt Ion:136 Resp: 84886

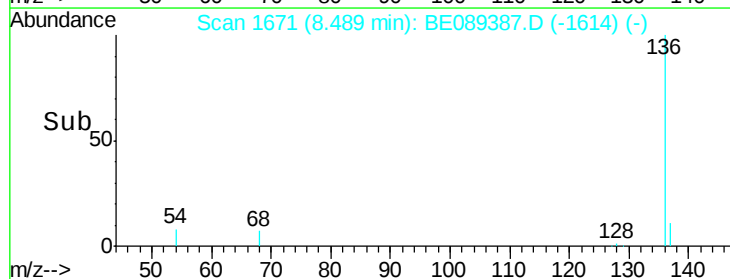
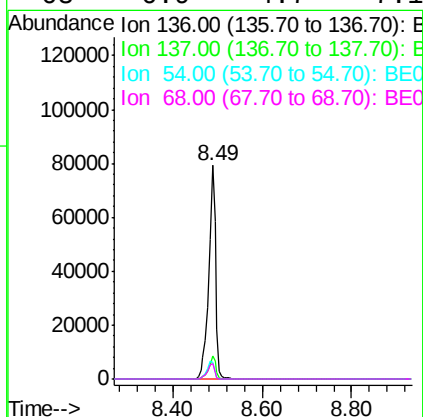
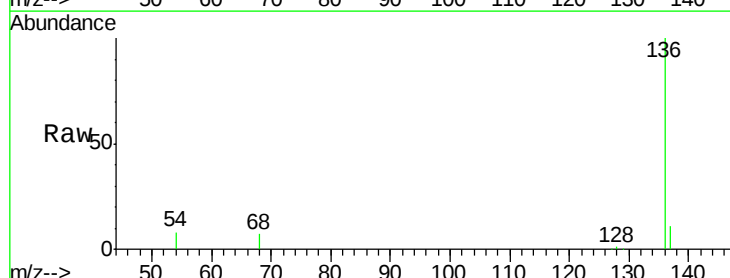
Ion Ratio Lower Upper

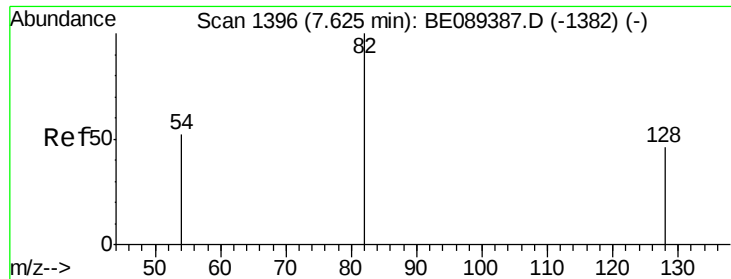
136 100

137 10.8 9.0 13.4

54 8.0 5.4 8.0

68 6.9 4.7 7.1





#3

Nitrobenzene-d5

Concen: 1.08 ng

RT: 7.63 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BE089387.D

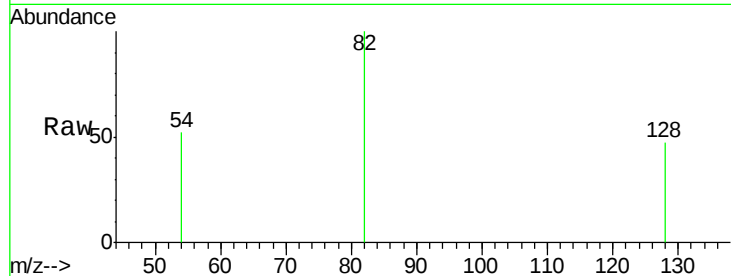
Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 82 Resp: 6348

Ion Ratio Lower Upper

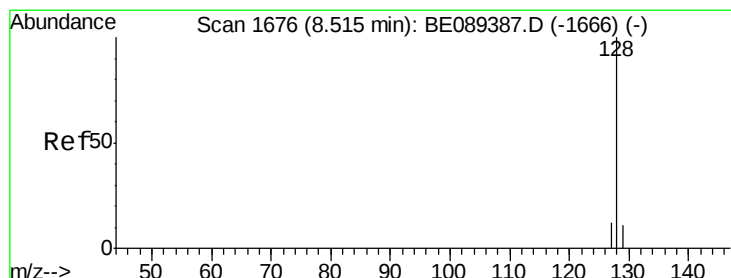
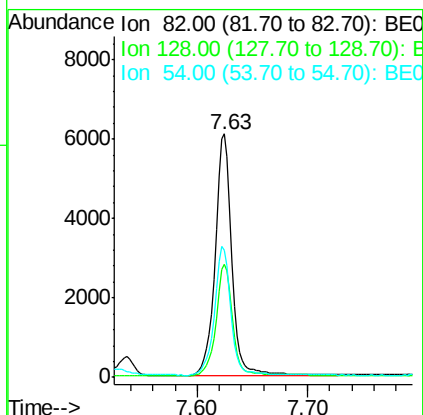
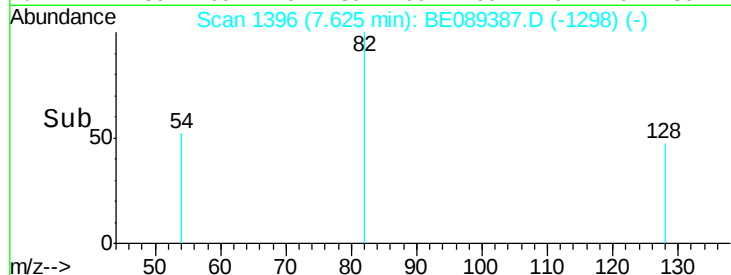
82 100

128 46.6 36.5 54.7

54 52.2 43.5 65.3

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#4

Naphthalene

Concen: 1.04 ng

RT: 8.52 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

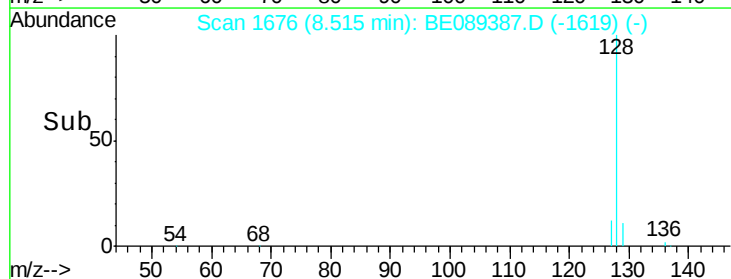
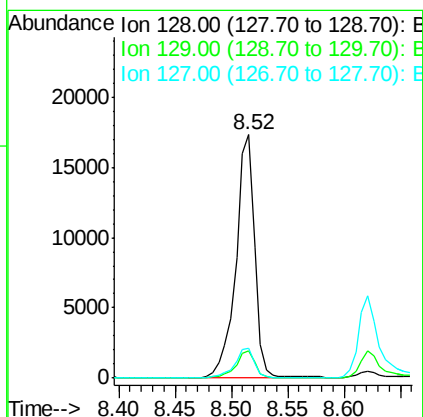
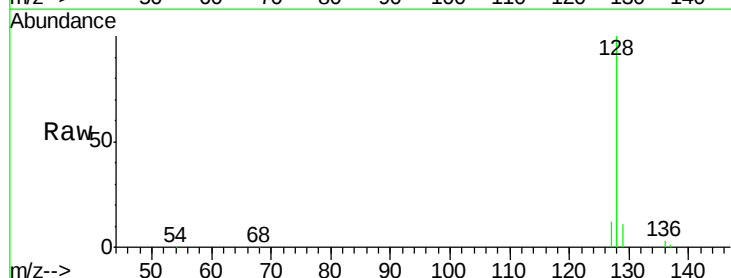
Tgt Ion: 128 Resp: 19876

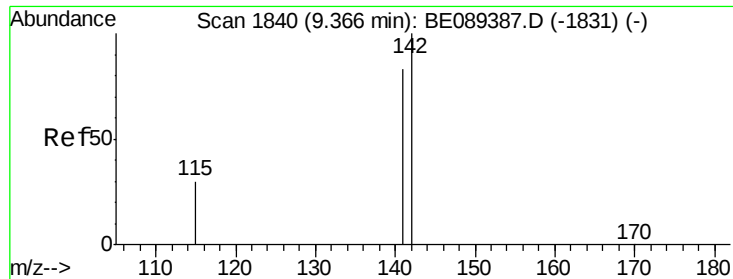
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 12.1 10.0 15.0





#5

2-Methylnaphthalene

Concen: 1.03 ng

RT: 9.37 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

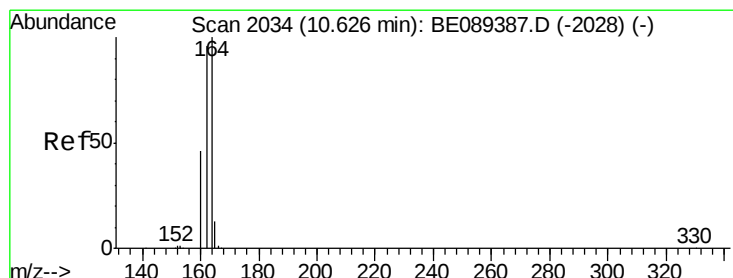
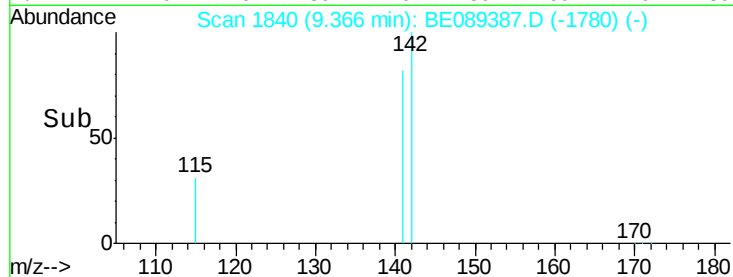
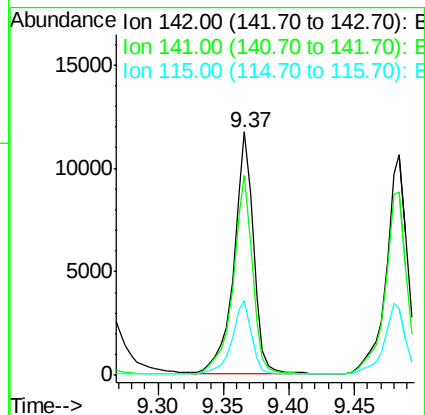
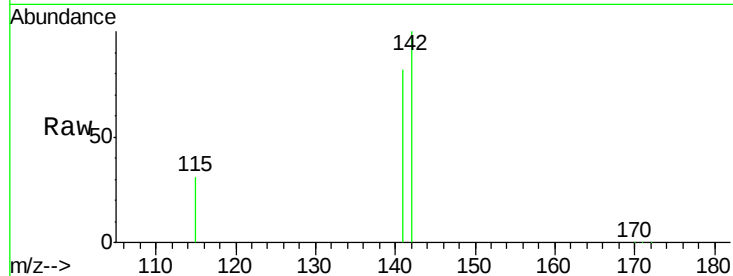
LabSampleId :

SSTDCCC001

Tgt Ion:	142	Resp:	12316
Ion Ratio	Lower	Upper	
142	100		
141	82.2	66.3	99.5
115	30.5	25.2	37.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

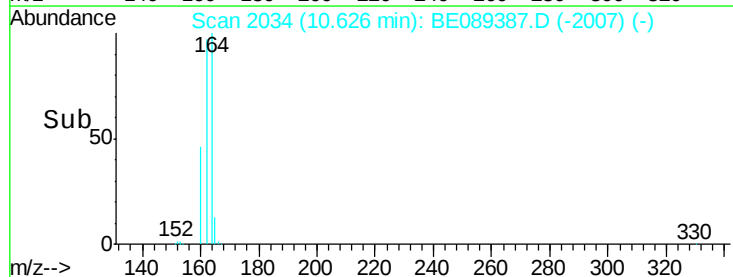
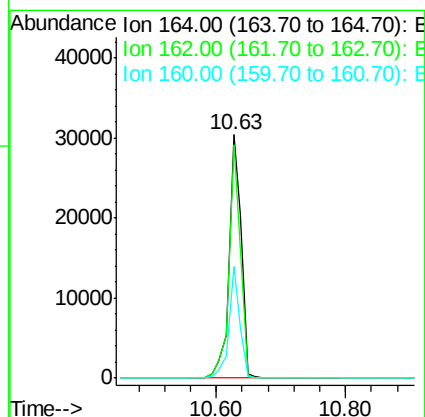
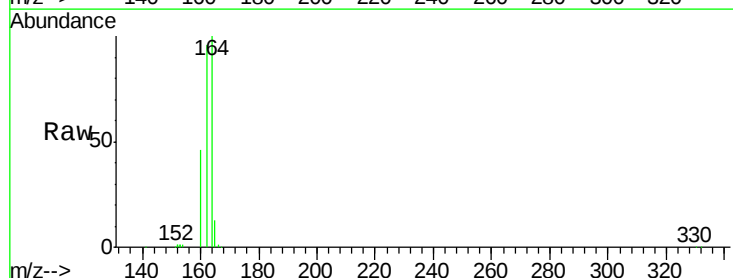
RT: 10.63 min Scan# 2034

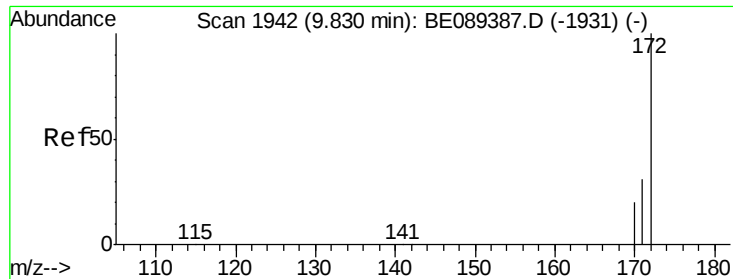
Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Tgt Ion:	164	Resp:	39067
Ion Ratio	Lower	Upper	
164	100		
162	96.0	77.4	116.2
160	45.7	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 1.04 ng

RT: 9.83 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BE089387.D

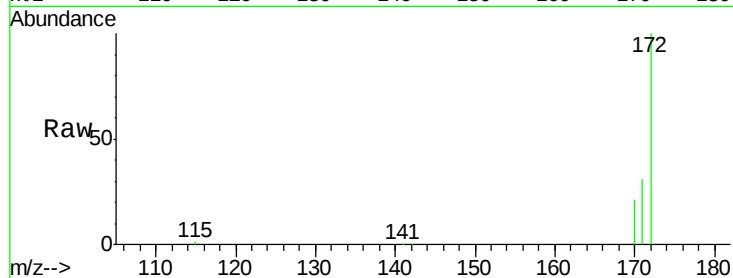
Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

LabSampleId :

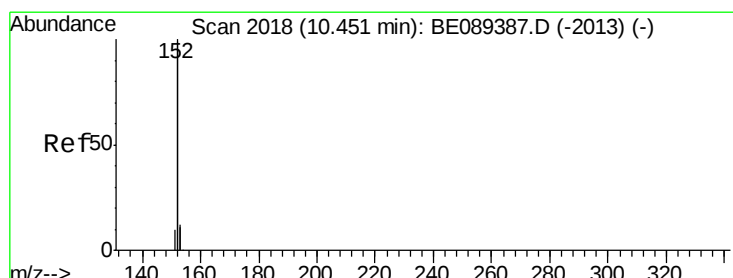
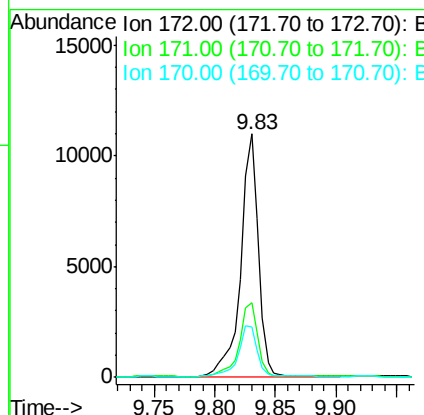
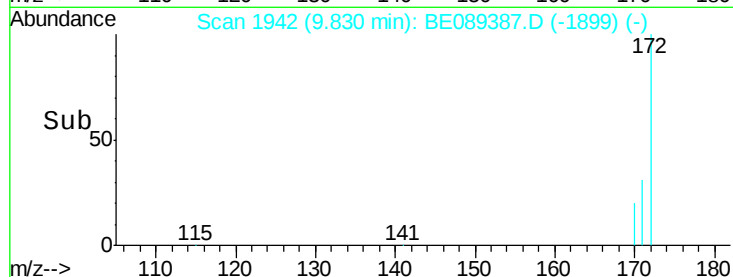
SSTDCCC001



Tgt Ion:	172	Resp:	11069
Ion	Ratio	Lower	Upper
172	100		
171	30.9	26.4	39.6
170	20.6	18.0	27.0

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#8

Acenaphthylene

Concen: 1.03 ng

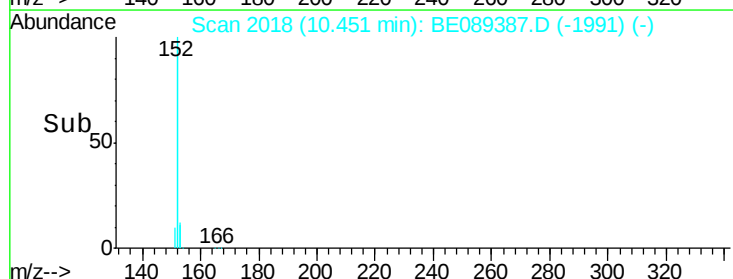
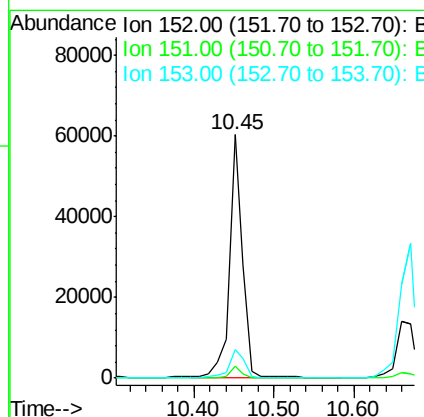
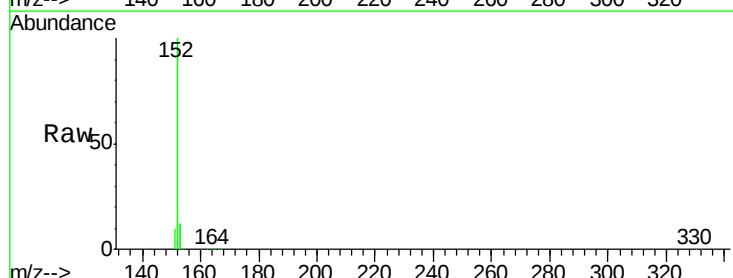
RT: 10.45 min Scan# 2018

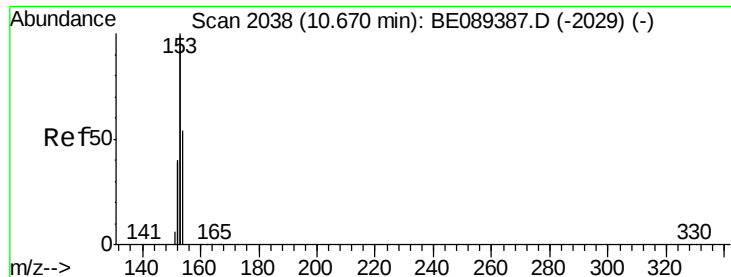
Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Tgt Ion:	152	Resp:	68630
Ion	Ratio	Lower	Upper
152	100		
151	5.1	4.1	6.1
153	12.0	9.8	14.6





#9

Acenaphthene

Concen: 1.00 ng

RT: 10.67 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BE089387.D

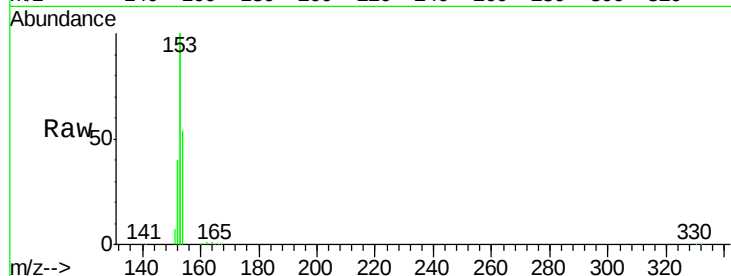
Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion:154 Resp: 10375

Ion Ratio Lower Upper

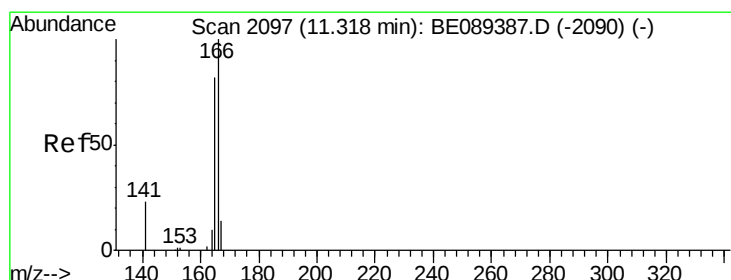
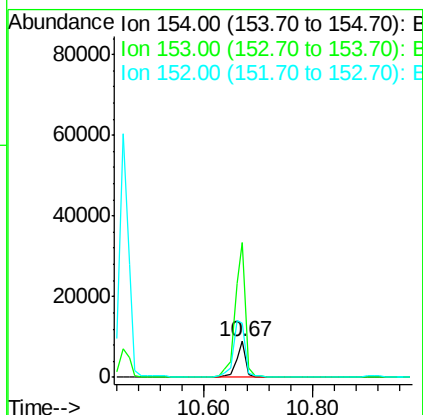
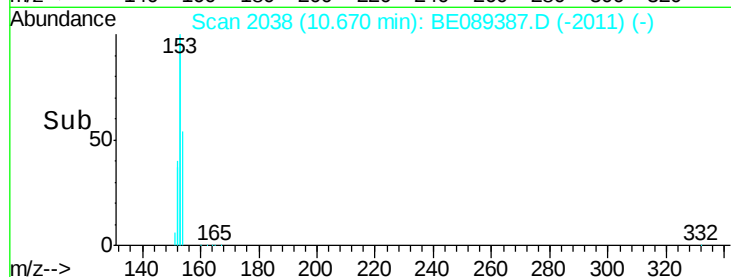
154 100

153 371.3 300.6 450.8

152 150.3 123.3 184.9

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#10

Fluorene

Concen: 1.02 ng

RT: 11.32 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

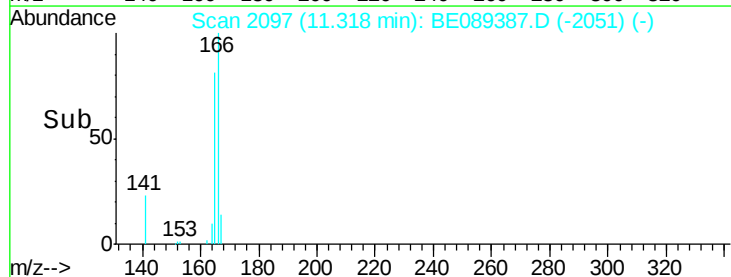
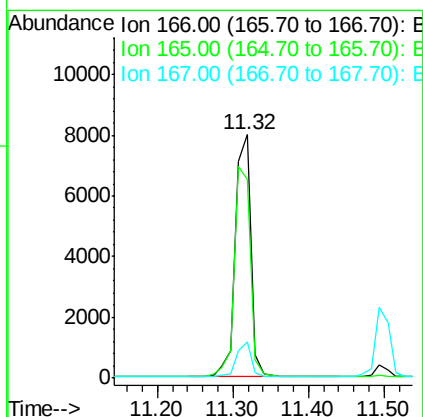
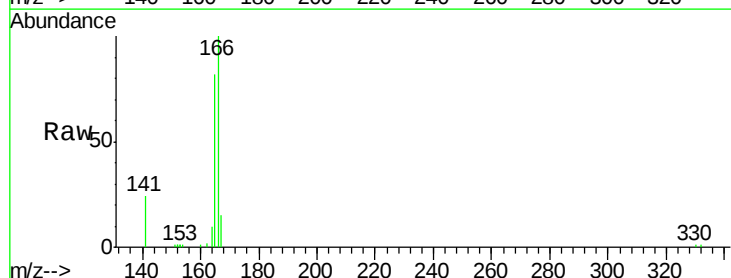
Tgt Ion:166 Resp: 11375

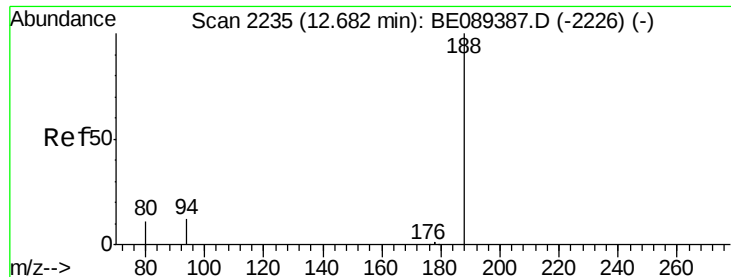
Ion Ratio Lower Upper

166 100

165 89.2 72.1 108.1

167 13.4 11.0 16.4





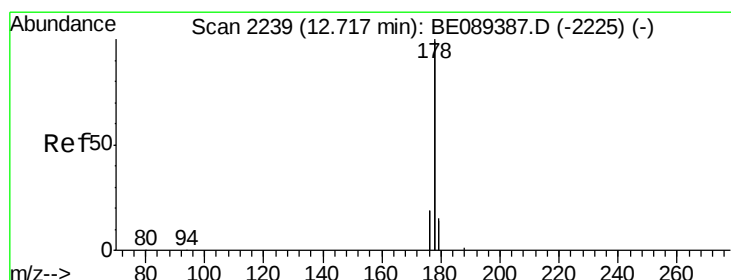
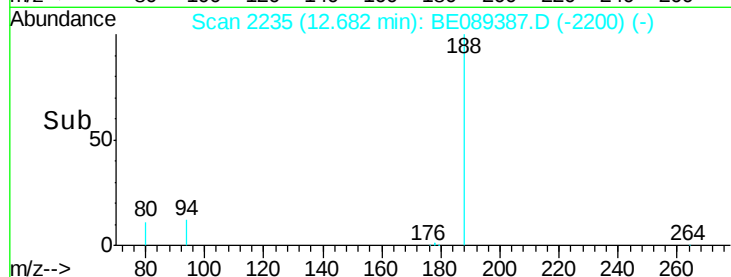
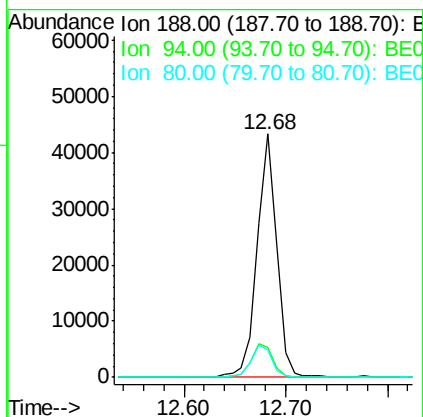
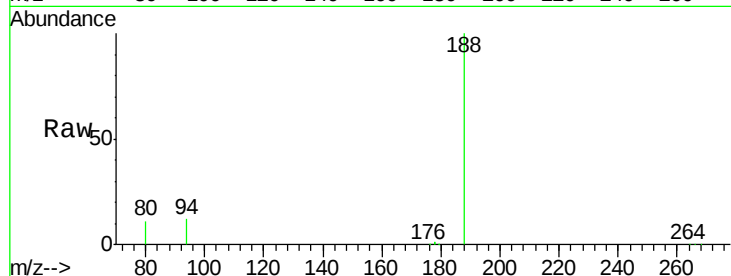
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.68 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BE089387.D
Acq: 9 Jan 2015 18:28

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	11.0	12.2#
80	11.2	10.1	11.1#

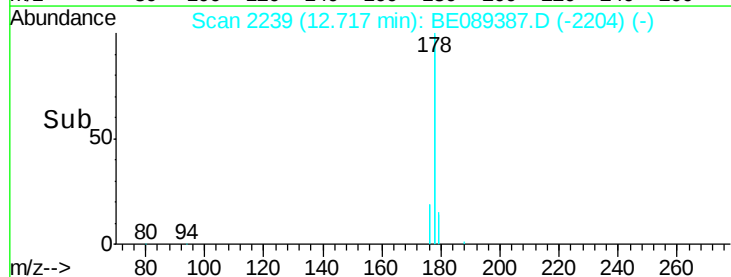
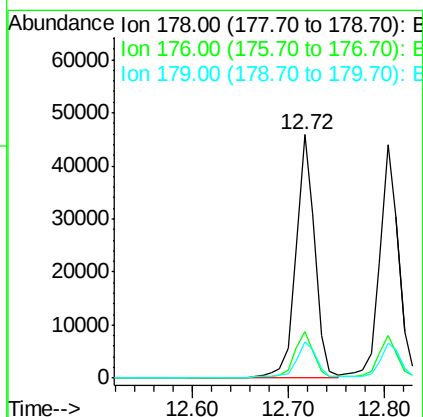
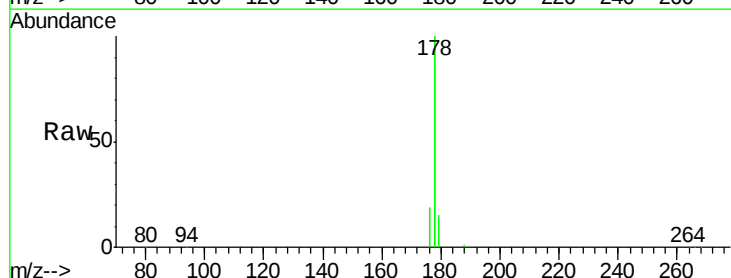
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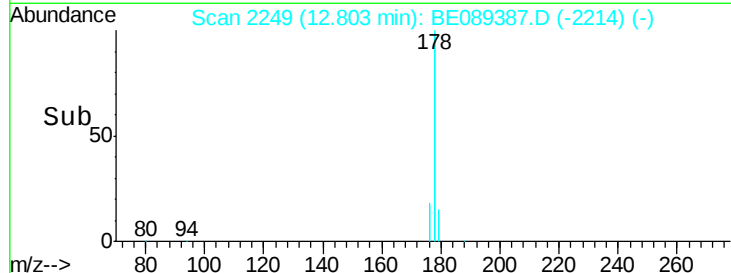
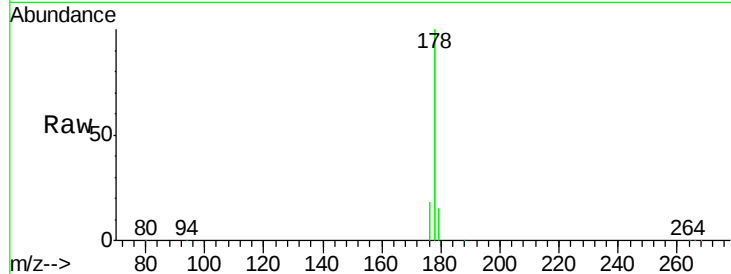
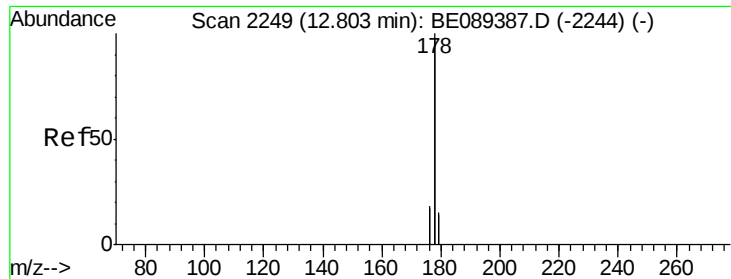
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#12
Phenanthrene
Concen: 1.03 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089387.D
Acq: 9 Jan 2015 18:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.0	12.2	18.2





#13

Anthracene

Concen: 1.04 ng

RT: 12.80 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Tgt Ion:	178	Resp:	59832
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.7	22.1
179	15.2	12.0	18.0

Instrument :

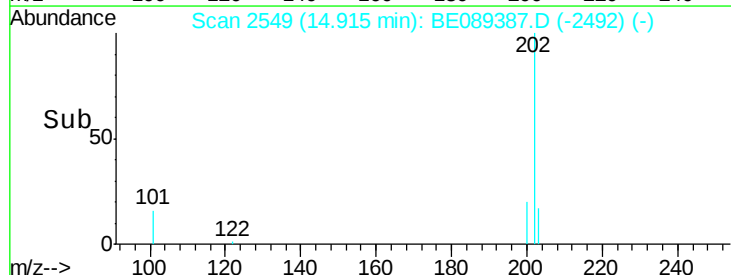
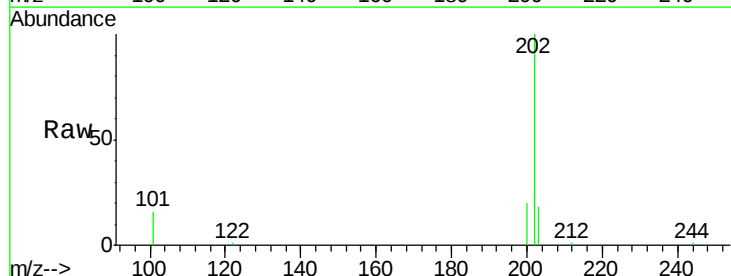
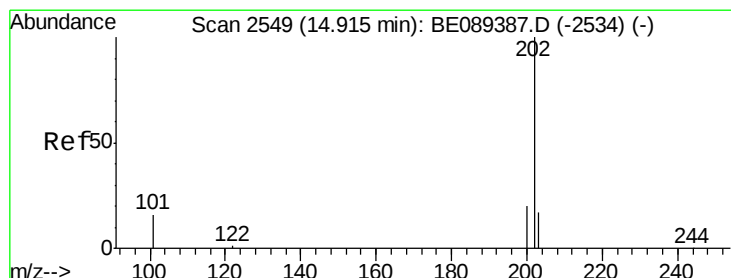
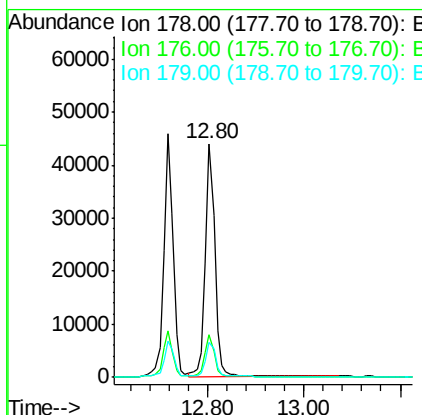
BNA_E

LabSampleId :

SSTDCCC001

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#14

Fluoranthene

Concen: 0.99 ng

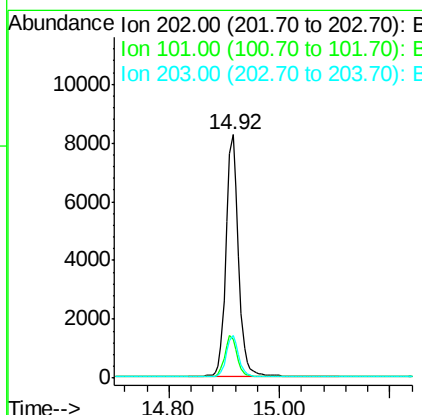
RT: 14.92 min Scan# 2549

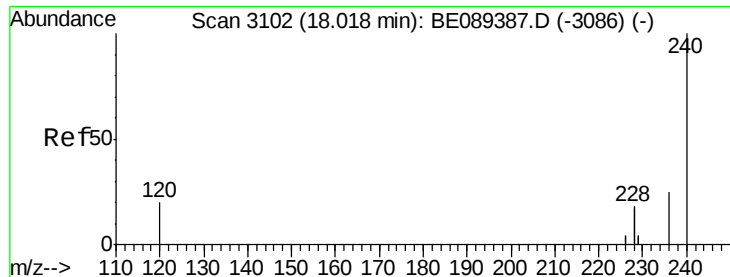
Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Tgt Ion:	202	Resp:	13055
Ion Ratio	Lower	Upper	
202	100		
101	16.1	0.0	37.9
203	17.7	0.0	37.5





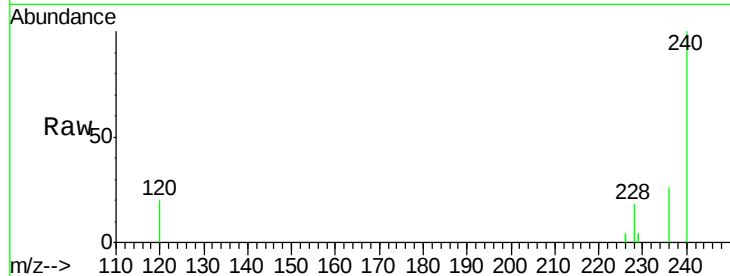
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.02 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BE089387.D
Acq: 9 Jan 2015 18:28

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

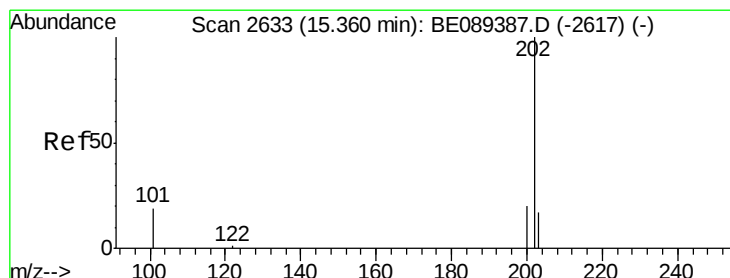
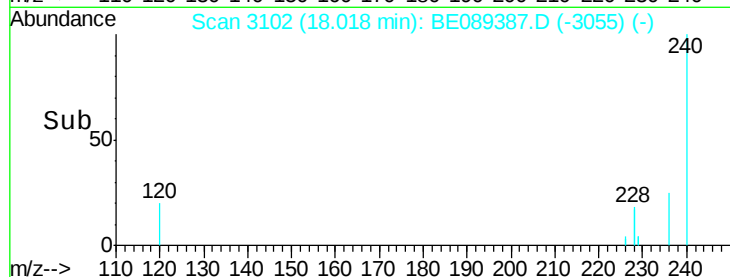
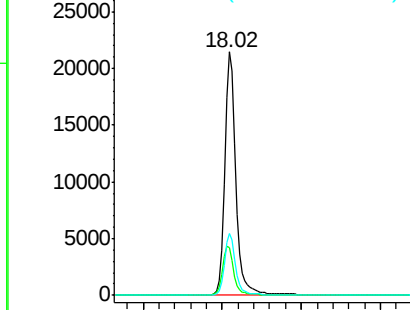
Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.8	11.8	17.6#
236	25.6	20.0	30.0

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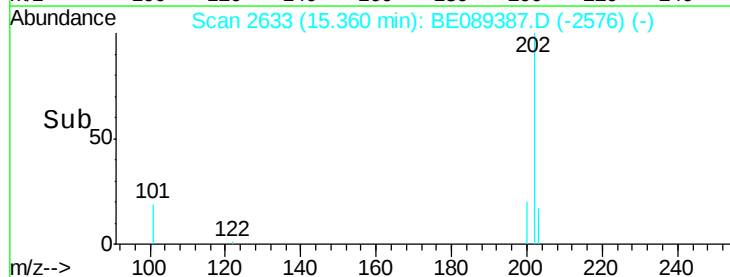
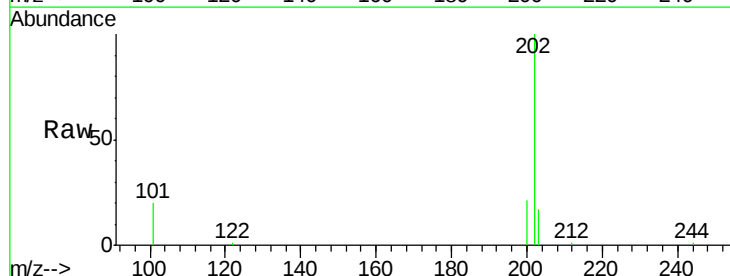
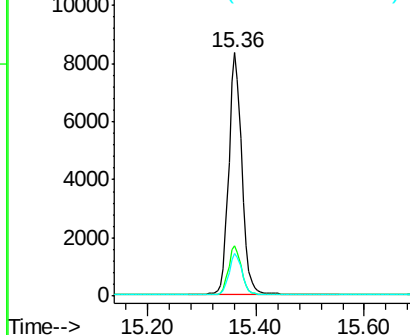
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

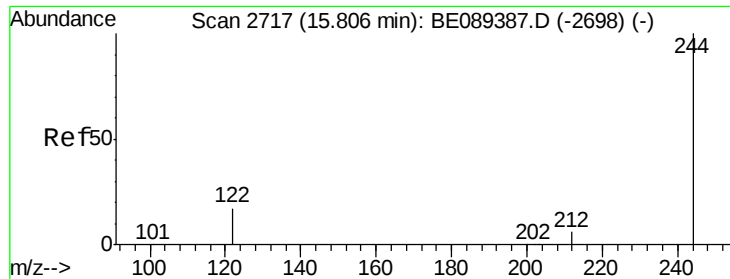


#16
Pyrene
Concen: 1.05 ng
RT: 15.36 min Scan# 2633
Delta R.T. 0.00 min
Lab File: BE089387.D
Acq: 9 Jan 2015 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	17.4	14.0	21.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





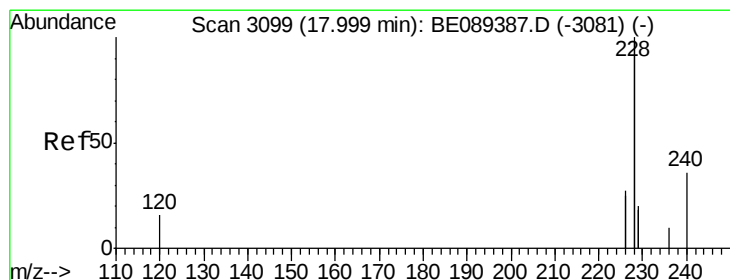
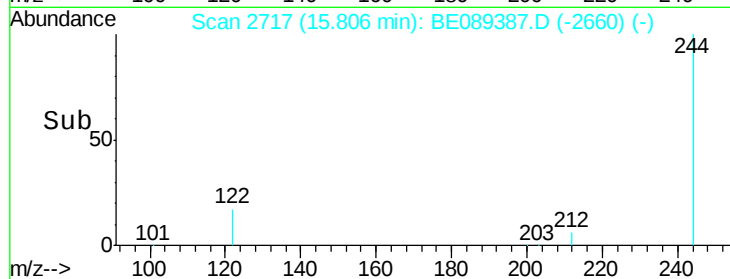
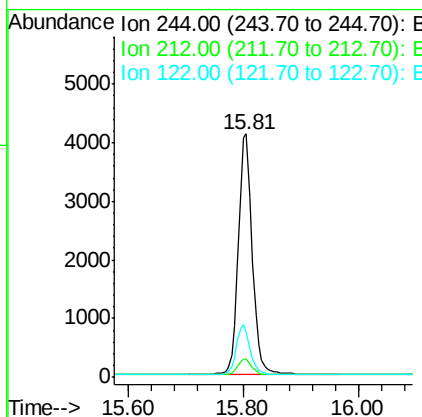
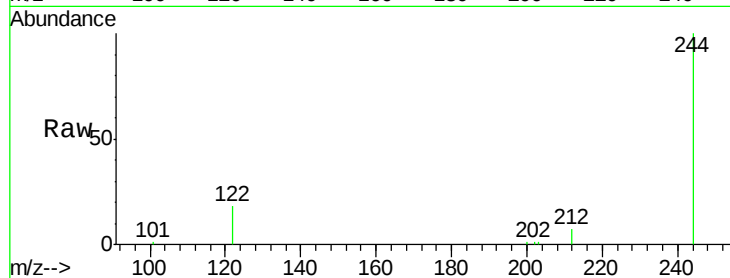
#17
 Terphenyl-d14
 Concen: 0.97 ng
 RT: 15.81 min Scan# 2717
 Delta R.T. 0.00 min
 Lab File: BE089387.D
 Acq: 9 Jan 2015 18:28

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	18.4	17.7	26.5

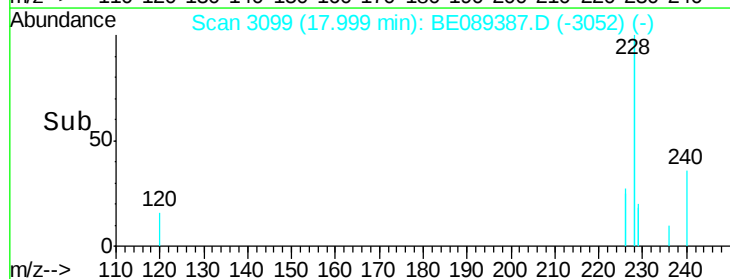
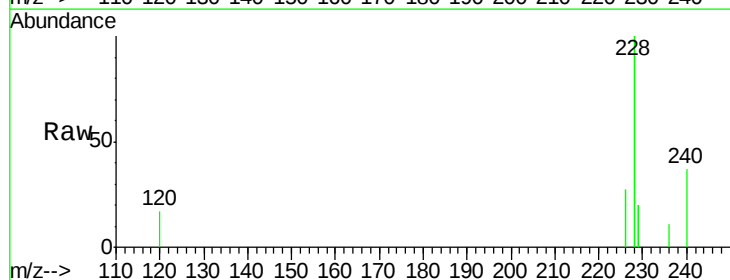
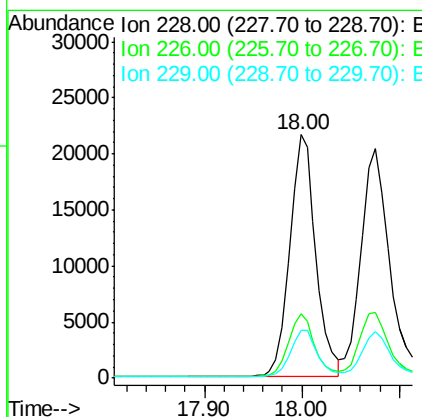
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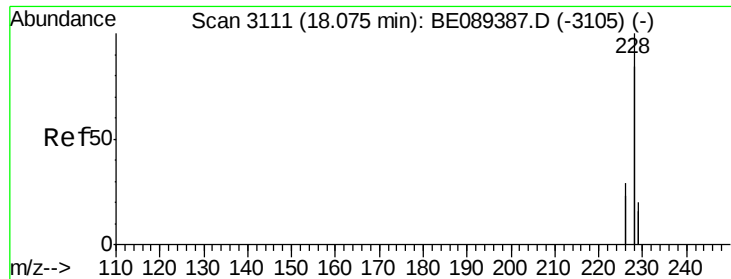
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#18
 Benzo(a)anthracene
 Concen: 0.97 ng
 RT: 18.00 min Scan# 3099
 Delta R.T. 0.00 min
 Lab File: BE089387.D
 Acq: 9 Jan 2015 18:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.0	31.6
229	19.8	16.0	24.0





#19

Chrysene

Concen: 1.05 ng

RT: 18.08 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

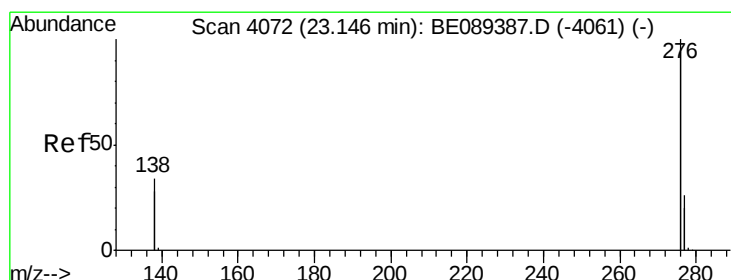
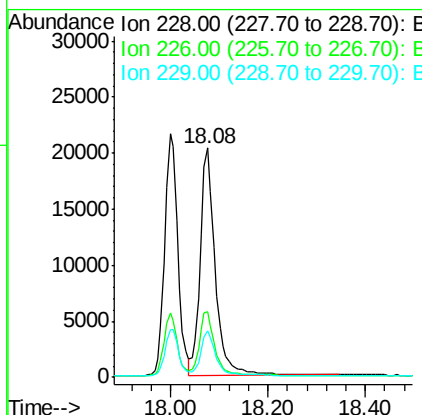
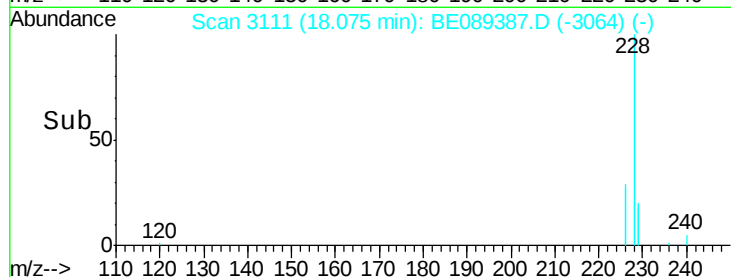
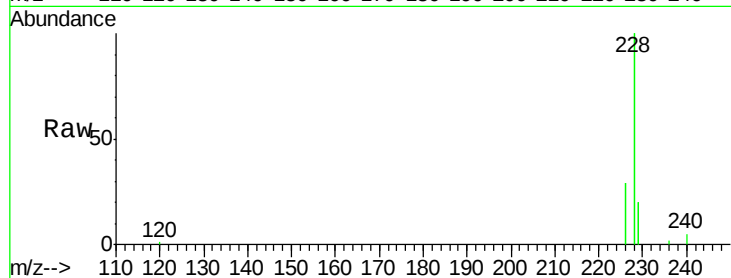
LabSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	43370
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.5	35.3
229	20.4	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 0.86 ng m

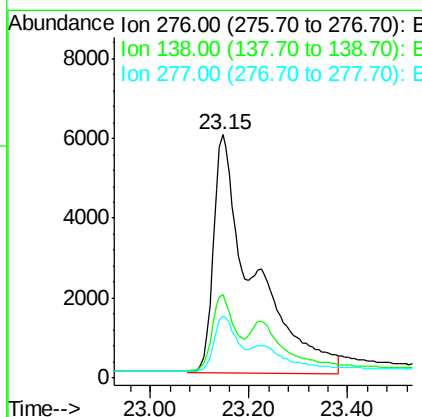
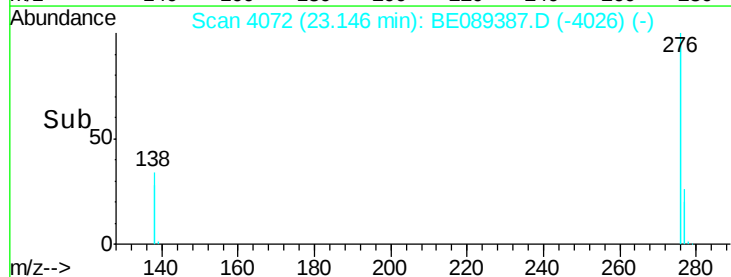
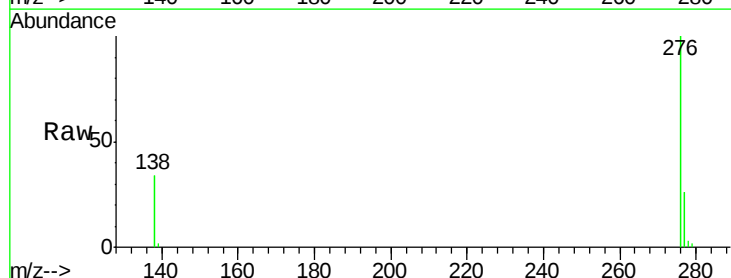
RT: 23.15 min Scan# 4072

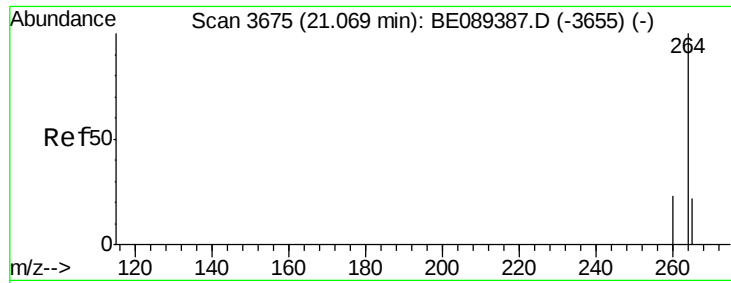
Delta R.T. 0.00 min

Lab File: BE089387.D

Acq: 9 Jan 2015 18:28

Tgt Ion:	276	Resp:	33857
Ion Ratio	Lower	Upper	
276	100		
138	18.2	23.8	35.8#
277	13.6	18.2	27.4#





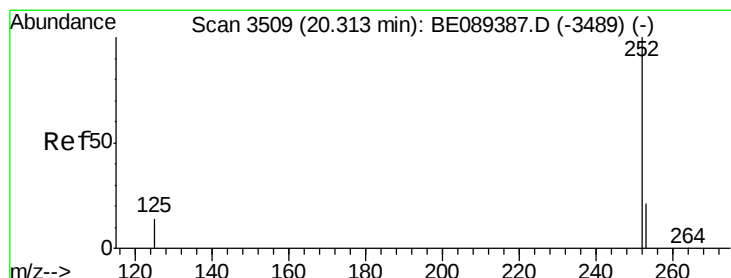
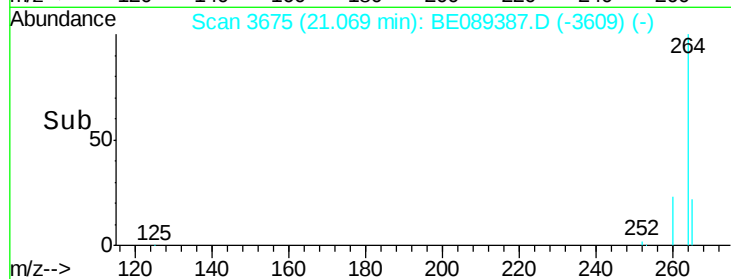
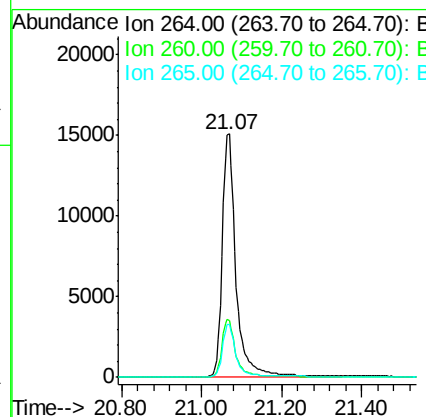
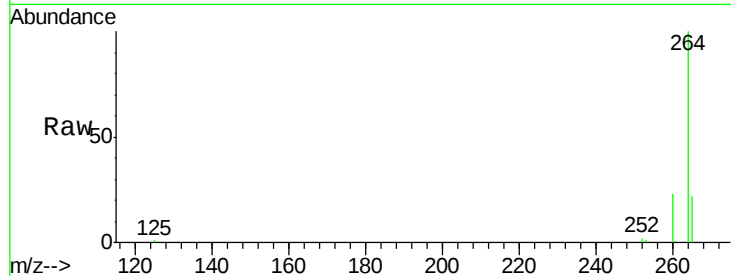
#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: BE089387.D
 Acq: 9 Jan 2015 18:28

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	35598		
260	23.5	18.9	28.3	
265	21.8	17.4	26.2	

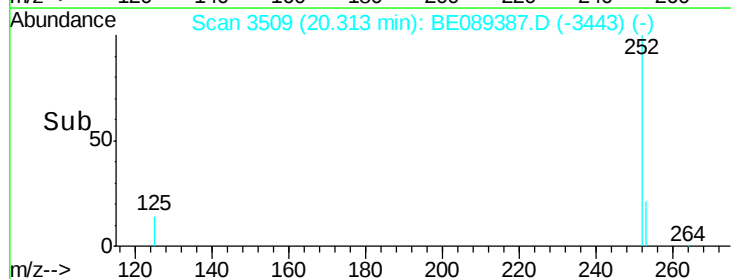
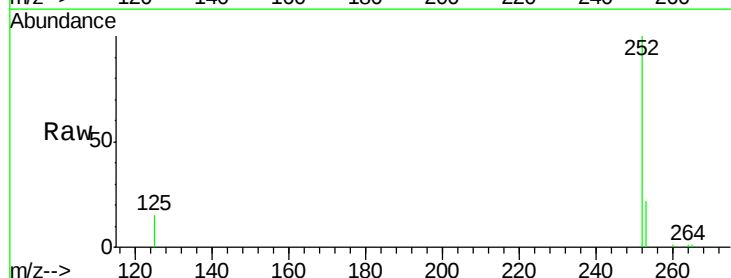
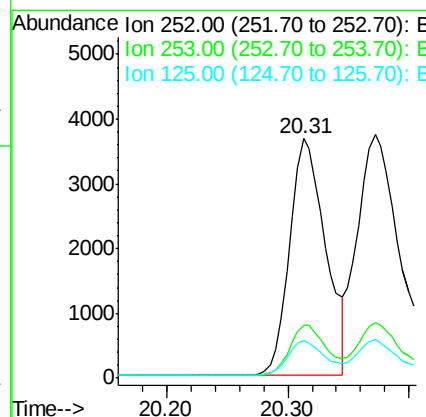
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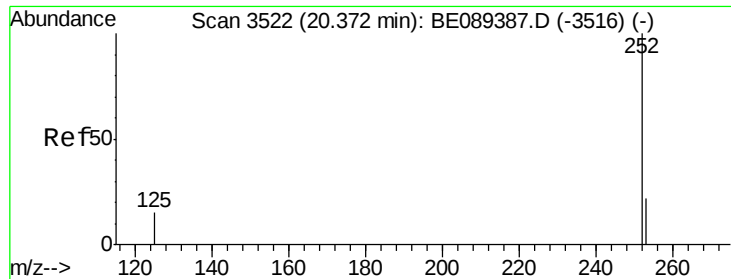
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#22
 Benzo(b)fluoranthene
 Concen: 0.97 ng
 RT: 20.31 min Scan# 3509
 Delta R.T. 0.00 min
 Lab File: BE089387.D
 Acq: 9 Jan 2015 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	7518		
253	22.2	17.8	26.6	
125	15.5	12.6	18.8	





#23

Benzo(k)fluoranthene

Concen: 1.08 ng

RT: 20.37 min Scan# 3522

Delta R.T. 0.00 min

Lab File: BE089387.D

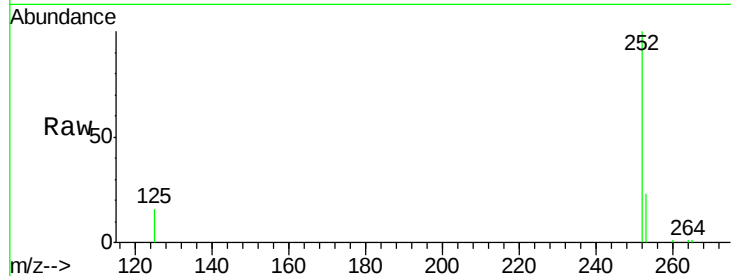
Acq: 9 Jan 2015 18:28

Instrument :

BNA_E

LabSampleId :

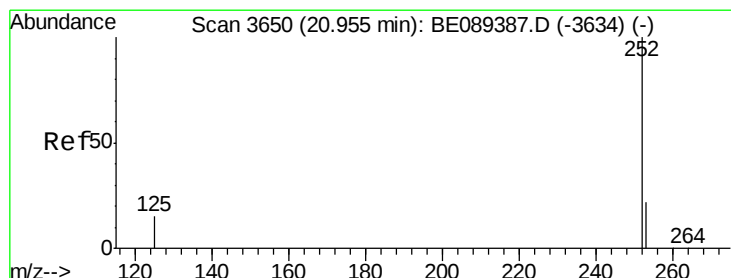
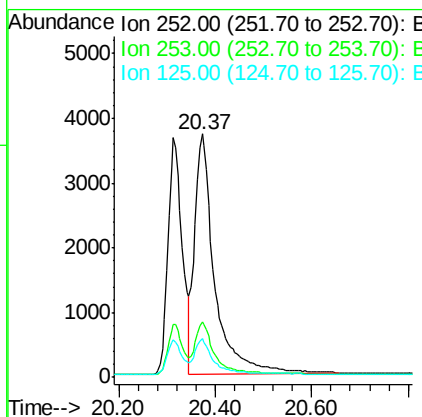
SSTDCCC001



Tgt Ion:	252	Resp:	10565
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	15.8	12.4	18.6

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1/12/2015 4:10:12 PM



#24

Benzo(a)pyrene

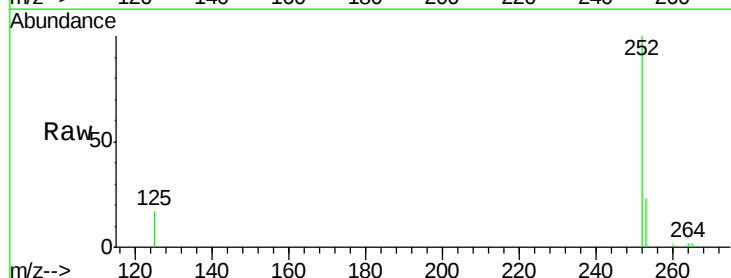
Concen: 0.95 ng

RT: 20.95 min Scan# 3650

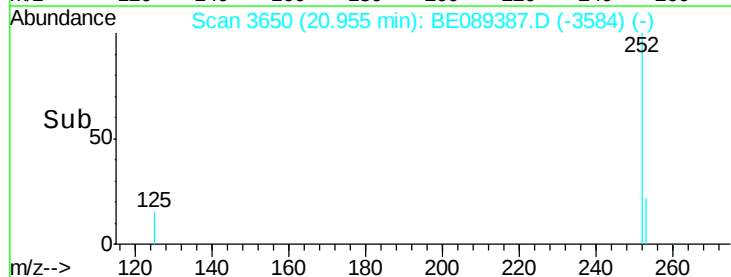
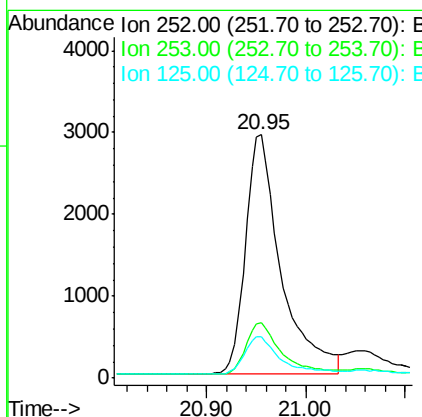
Delta R.T. 0.00 min

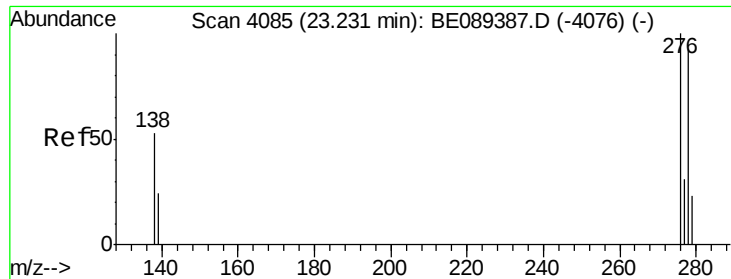
Lab File: BE089387.D

Acq: 9 Jan 2015 18:28



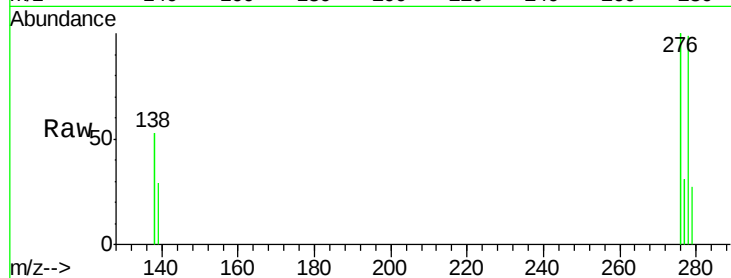
Tgt Ion:	252	Resp:	7263
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.3	27.5
125	16.8	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 0.85 ng
RT: 23.23 min Scan# 4085
Delta R.T. 0.00 min
Lab File: BE089387.D
Acq: 9 Jan 2015 18:28

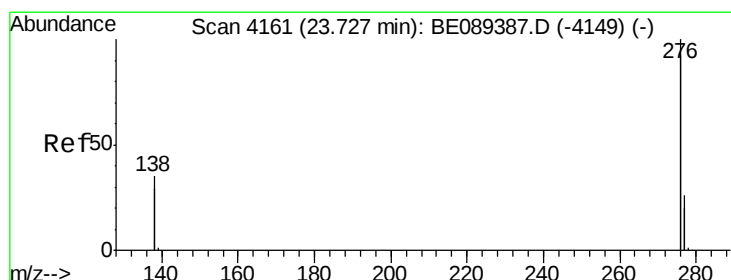
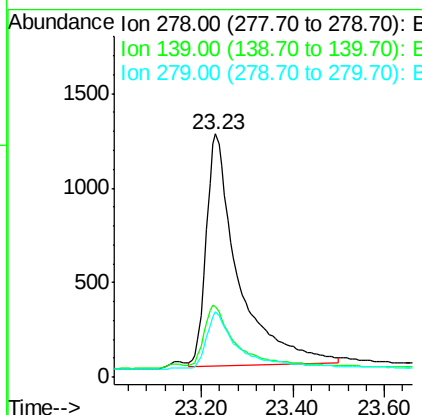
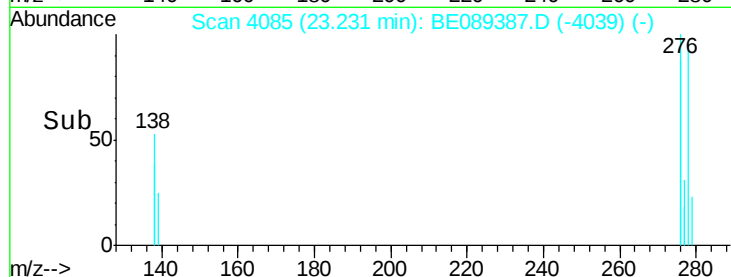
Instrument :
BNA_E
LabSampleId :
SSTDCCC001



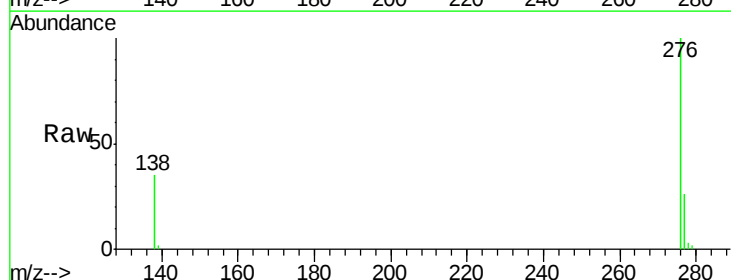
Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.1	22.9	34.3
279	26.8	20.8	31.2

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#26
Benzo(g,h,i)perylene
Concen: 0.88 ng
RT: 23.73 min Scan# 4161
Delta R.T. 0.00 min
Lab File: BE089387.D
Acq: 9 Jan 2015 18:28



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.0	30.0
138	35.1	28.5	42.7

