

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089666.D
 Acq On : 24 Feb 2015 11:46
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Manual Integrations
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 2/25/2015 3:34:14 PM

Quant Time: Feb 24 15:09:12 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 24 14:51:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	45260	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	158728	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	69802	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	126209	5.00	ng	0.00
19) Chrysene-d12	23.65	240	90466	5.00	ng	0.00
25) Perylene-d12	25.34	264	68326	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	1063	0.12	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	2013	0.11	ng	0.00
21) Terphenyl-d14	22.30	244	1024	0.09	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.73	88	547	0.10	ng	93
3) n-Nitrosodimethylamine	3.52	42	490m	0.07	ng	
6) Naphthalene	12.29	128	3246	0.10	ng	96
7) 2-Methylnaphthalene	13.95	142	1697	0.10	ng	97
10) Acenaphthylene	16.06	152	9410	0.09	ng	99
11) Acenaphthene	16.49	154	1644	0.10	ng	87
12) Fluorene	17.74	166	1741	0.10	ng	98
14) Hexachlorobenzene	18.99	284	342	0.10	ng	# 81
16) Phenanthrene	19.81	178	2863	0.11	ng	98
17) Anthracene	19.91	178	2046	0.09	ng	100
18) Fluoranthene	21.72	202	1921	0.08	ng	99
20) Pyrene	22.04	202	2124	0.10	ng	99
22) Benzo(a)anthracene	23.65	228	5739	0.10	ng	94
23) Chrysene	23.68	228	9133	0.11	ng	96
24) Indeno(1,2,3-cd)pyrene	26.74	276	1059	0.03	ng	# 38
26) Benzo(b)fluoranthene	24.91	252	320	0.05	ng	# 71
27) Benzo(k)fluoranthene	24.94	252	802m	0.05	ng	
28) Benzo(a)pyrene	25.27	252	353	0.05	ng	# 64
29) Dibenzo(a,h)anthracene	26.77	278	166	0.03	ng	# 56
30) Benzo(g,h,i)perylene	27.15	276	1347	0.04	ng	# 61

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

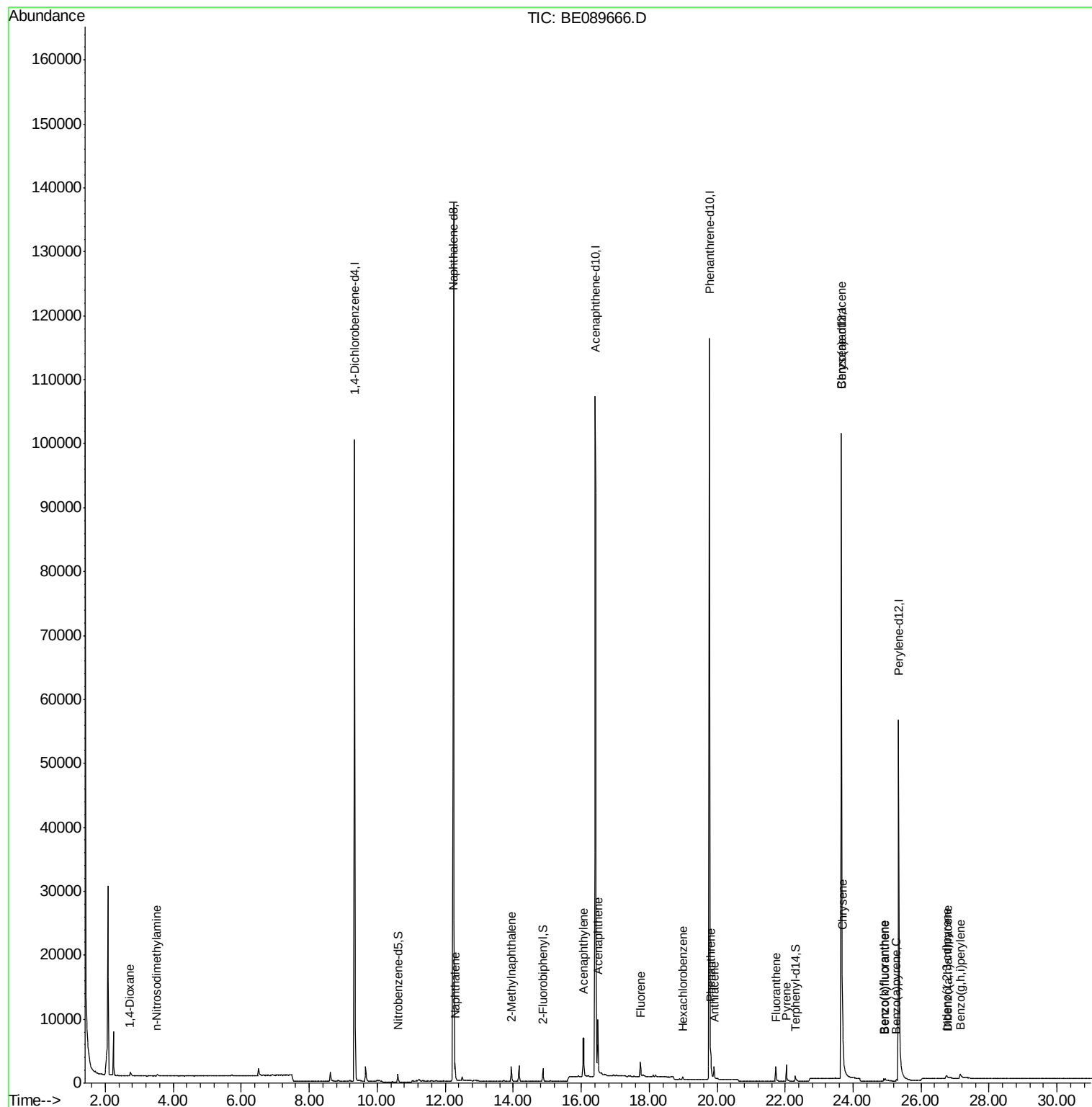
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
Data File : BE089666.D
Acq On : 24 Feb 2015 11:46
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Sample : SSTDICC0.1
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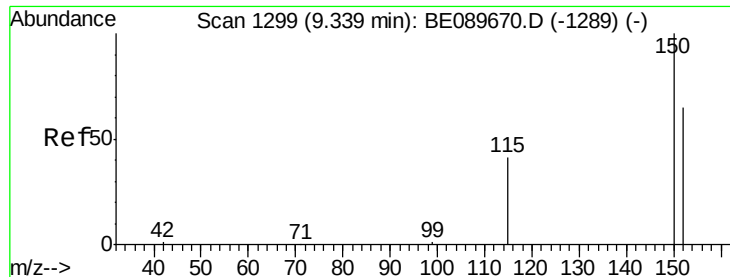
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089666.D

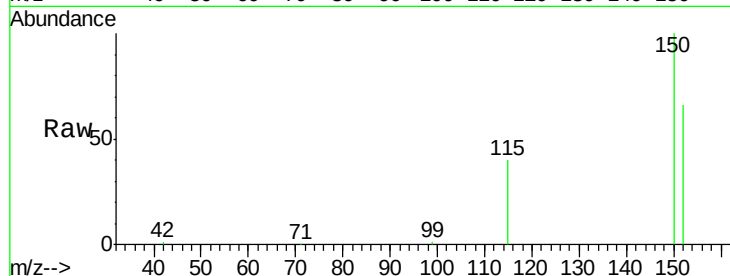
Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1



Tgt Ion: 152 Resp: 45260

Ion Ratio Lower Upper

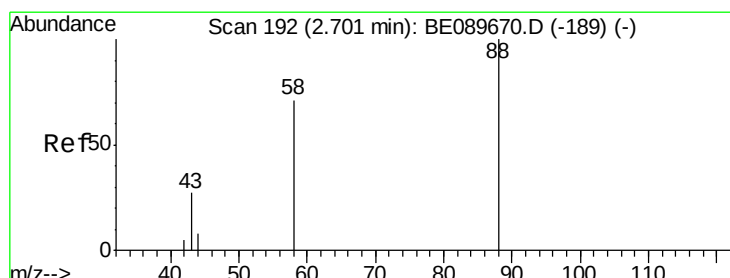
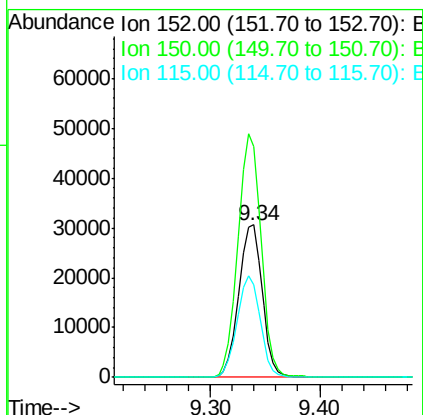
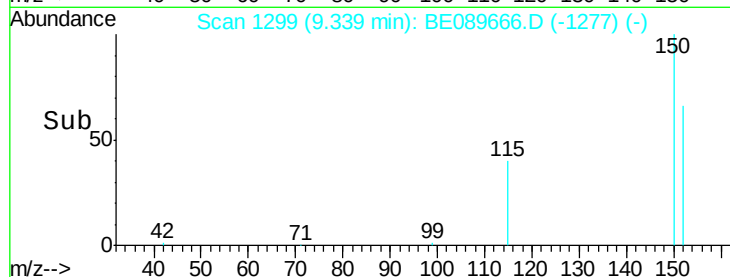
152 100

150 151.6 123.4 185.0

115 60.7 50.8 76.2

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#2

1,4-Dioxane

Concen: 0.10 ng

RT: 2.73 min Scan# 197

Delta R.T. 0.03 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

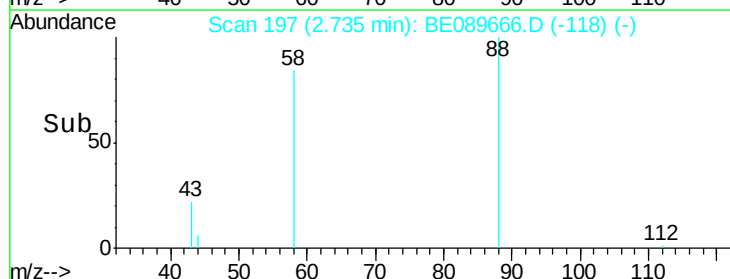
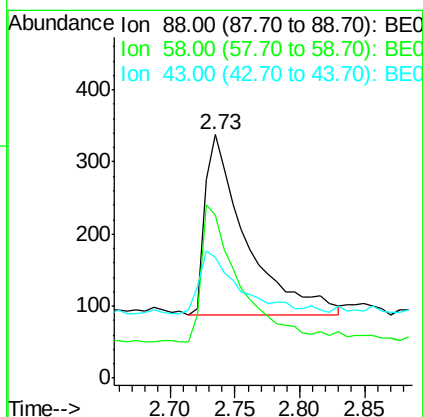
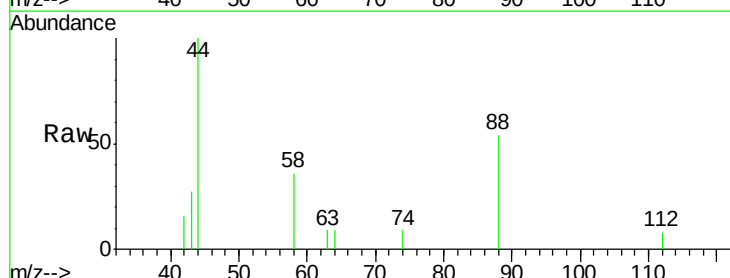
Tgt Ion: 88 Resp: 547

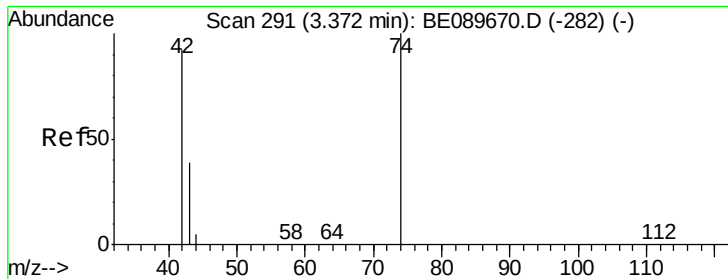
Ion Ratio Lower Upper

88 100

58 69.3 62.4 93.6

43 34.0 26.6 40.0





#3

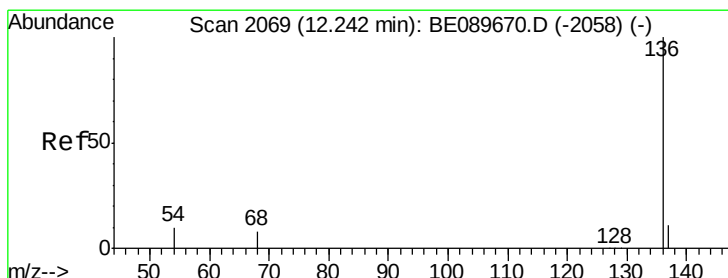
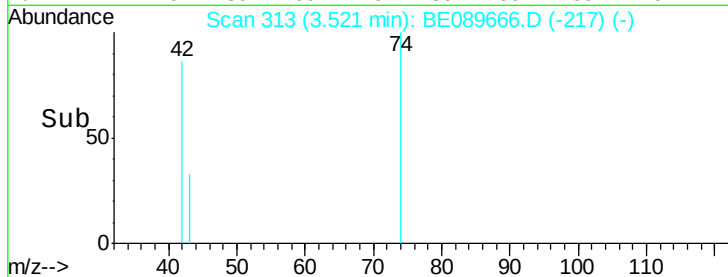
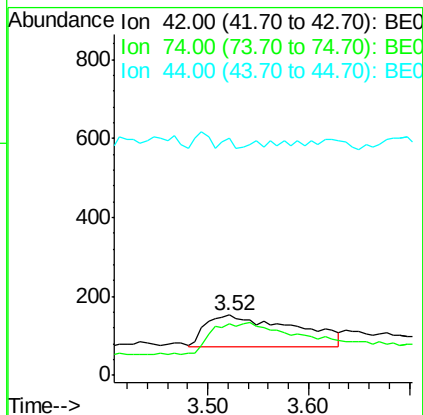
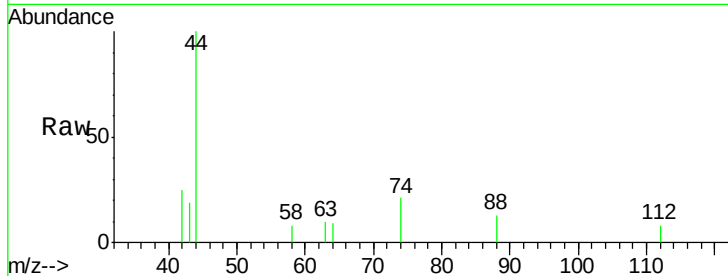
n-Nitrosodimethylamine
 Concen: 0.07 ng m
 RT: 3.52 min Scan# 313
 Delta R.T. 0.15 min
 Lab File: BE089666.D
 Acq: 24 Feb 2015 11:46

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	91.1	136.7#
44	0.0	4.7	7.1#

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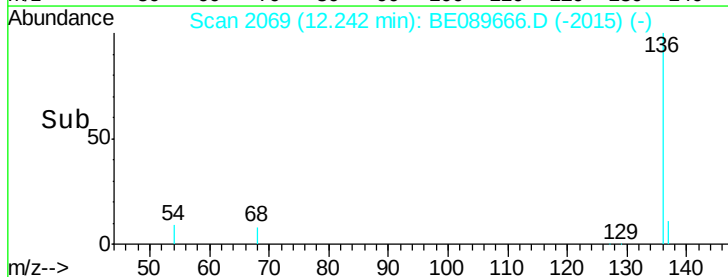
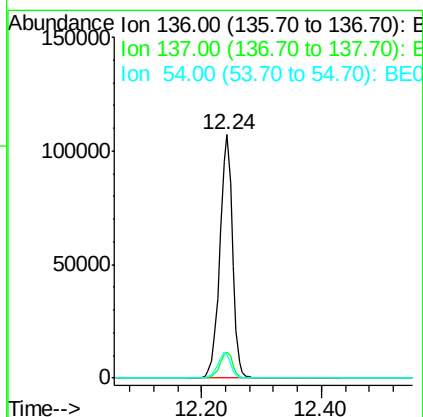
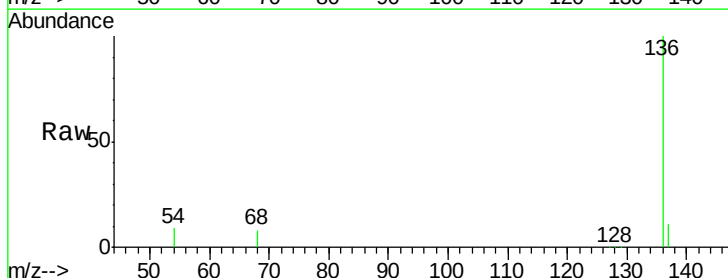
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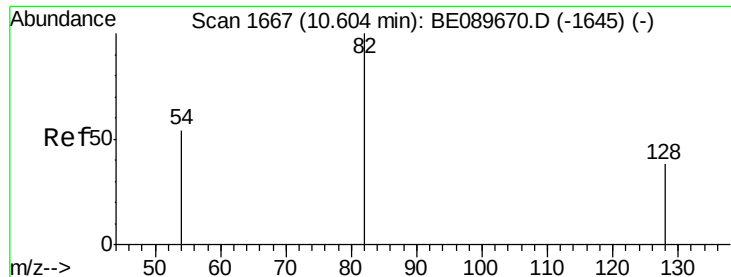


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089666.D
 Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.5	7.8	11.8





#5

Nitrobenzene-d5

Concen: 0.12 ng

RT: 10.60 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BE089666.D

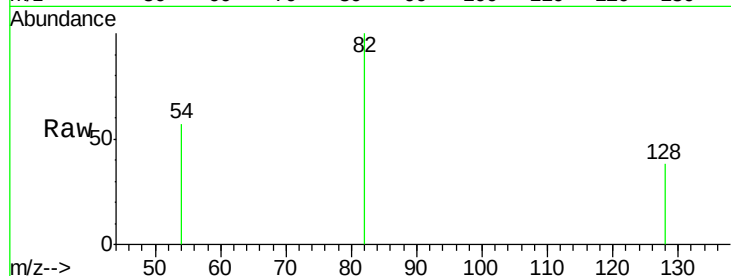
Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

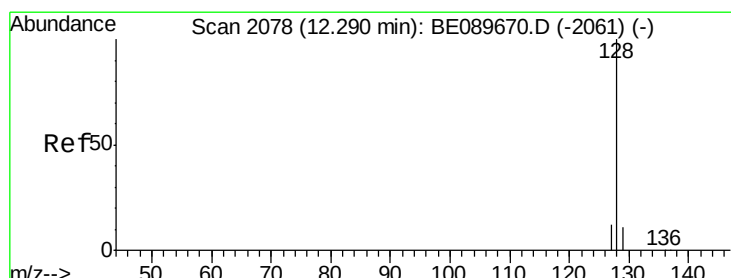
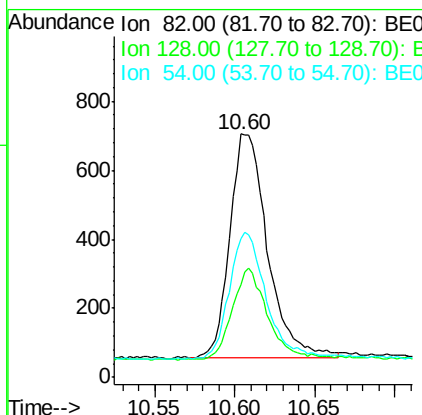
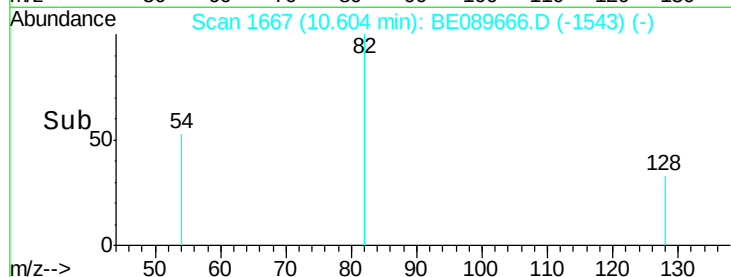
SSTDIC0.1



Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.0	30.6	46.0
54	56.9	43.6	65.4

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#6

Naphthalene

Concen: 0.10 ng

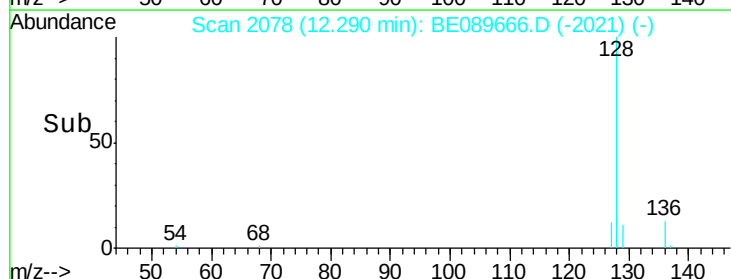
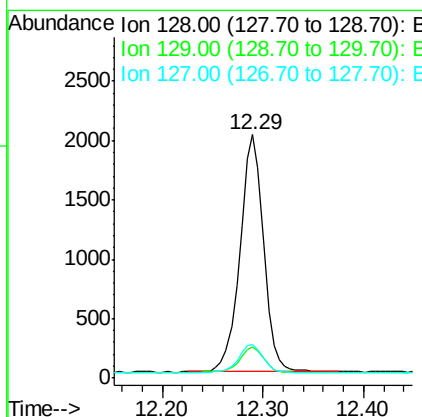
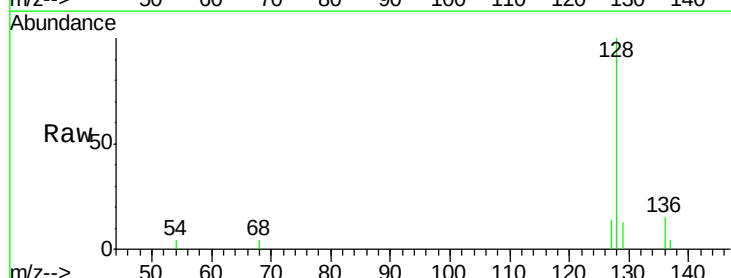
RT: 12.29 min Scan# 2078

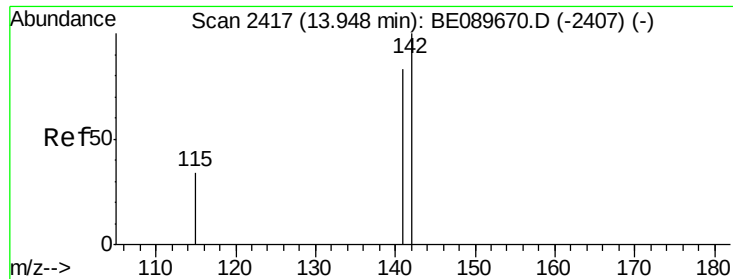
Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.9	13.3
127	13.7	9.7	14.5





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089666.D

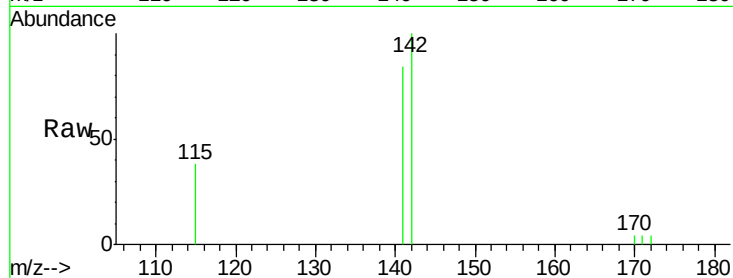
Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

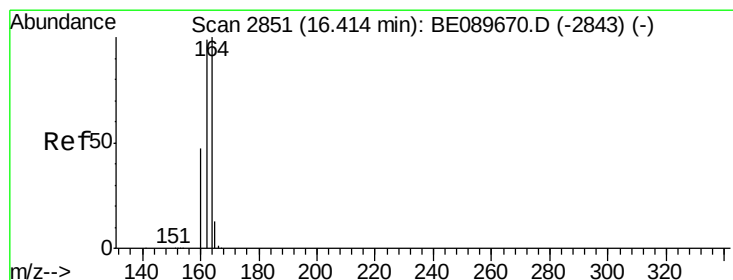
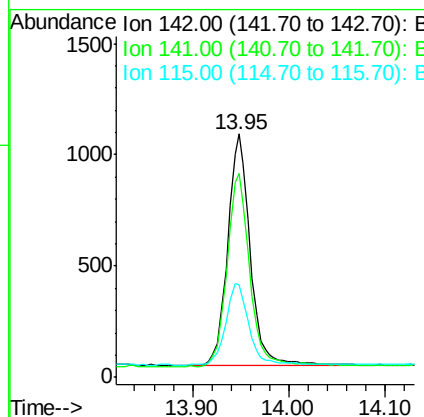
SSTDICC0.1



Tgt Ion:	142	Resp:	1697
Ion Ratio	Lower	Upper	
142	100		
141	83.7	66.0	99.0
115	38.2	27.4	41.0

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#8

Acenaphthene-d10

Concen: 5.00 ng

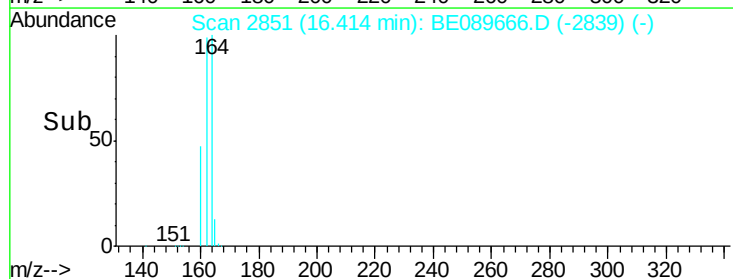
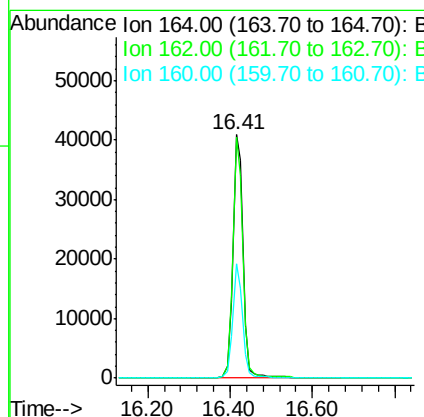
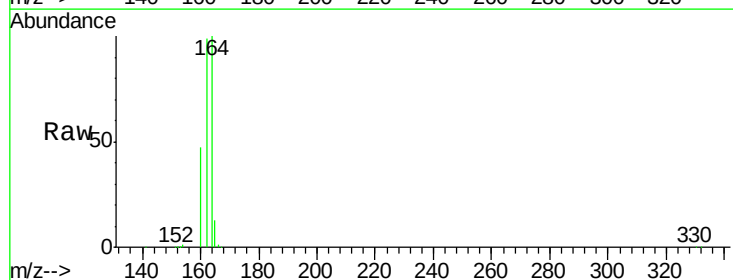
RT: 16.41 min Scan# 2851

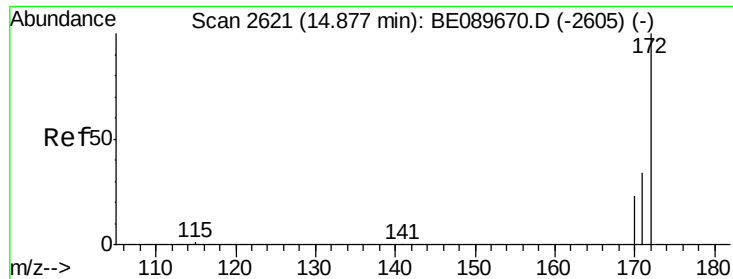
Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Tgt Ion:	164	Resp:	69802
Ion Ratio	Lower	Upper	
164	100		
162	99.2	79.4	119.2
160	47.0	37.6	56.4





#9

2-Fluorobiphenyl

Concen: 0.11 ng

RT: 14.88 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

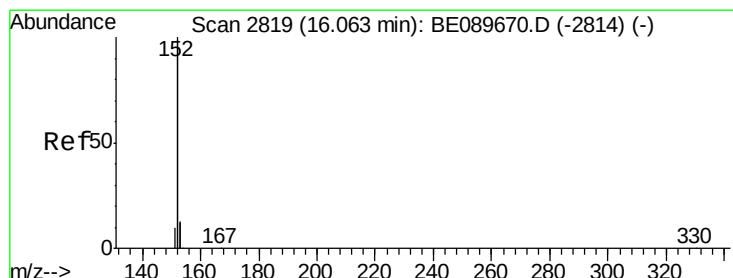
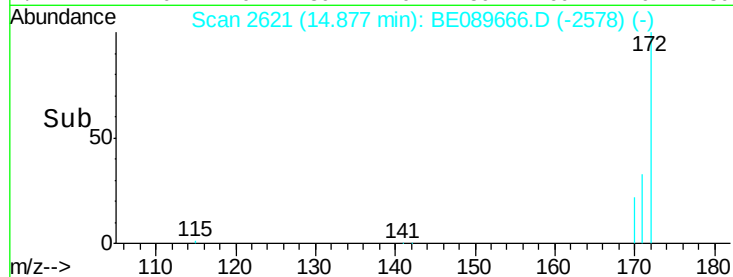
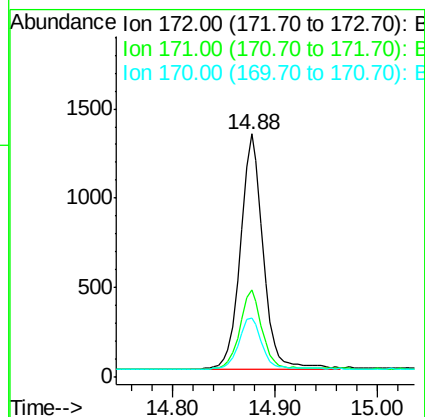
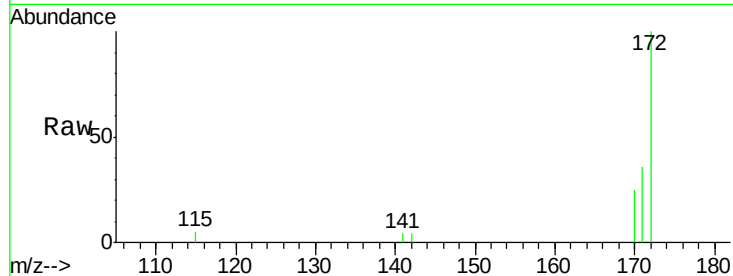
LabSampleId :

SSTDIC0.1

Tgt Ion:	172	Resp:	2013
Ion Ratio	Lower	Upper	
172	100		
171	35.7	27.3	40.9
170	24.6	18.5	27.7

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#10

Acenaphthylene

Concen: 0.09 ng

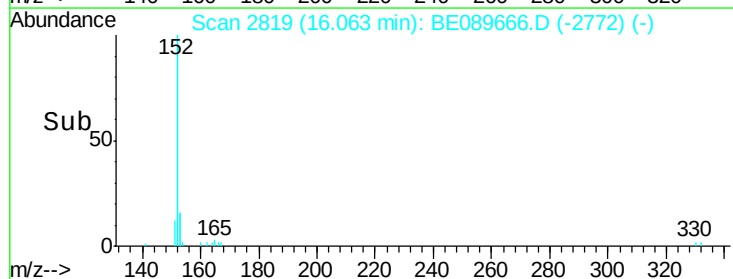
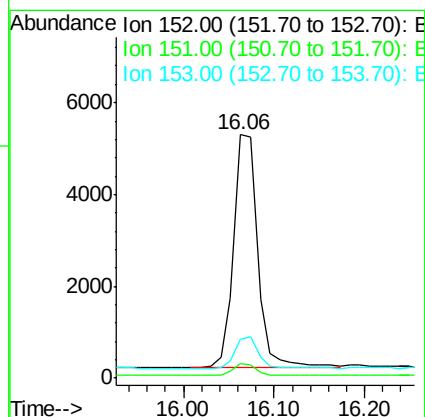
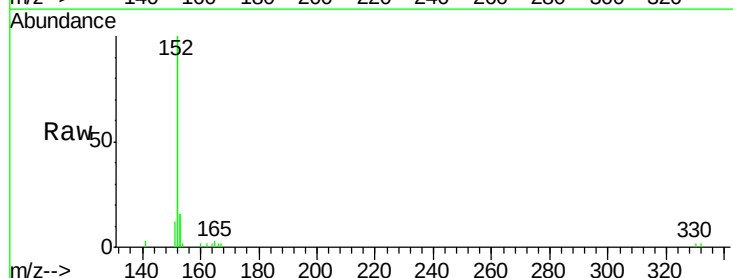
RT: 16.06 min Scan# 2819

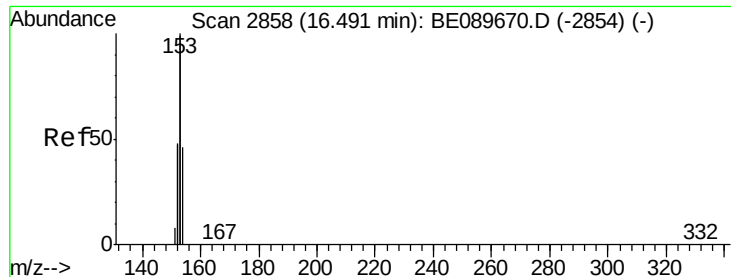
Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Tgt Ion:	152	Resp:	9410
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.8	5.6
153	13.6	10.4	15.6





#11

Acenaphthene

Concen: 0.10 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089666.D

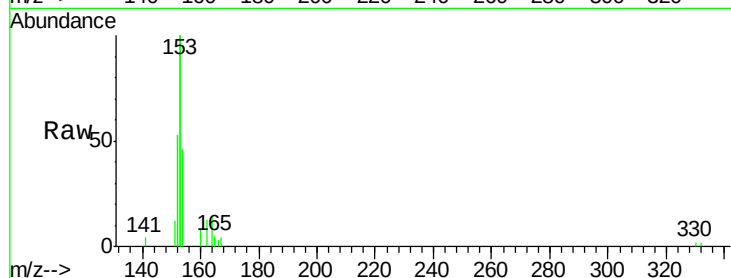
Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1



Tgt Ion:154 Resp: 1644

Ion Ratio Lower Upper

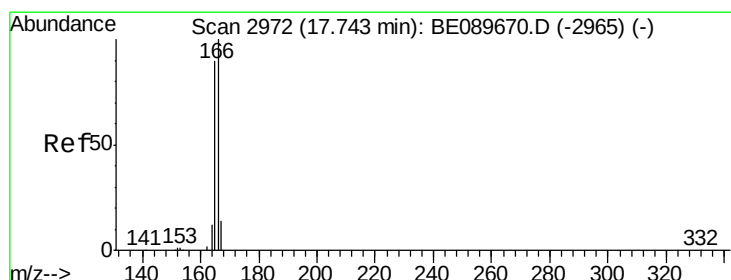
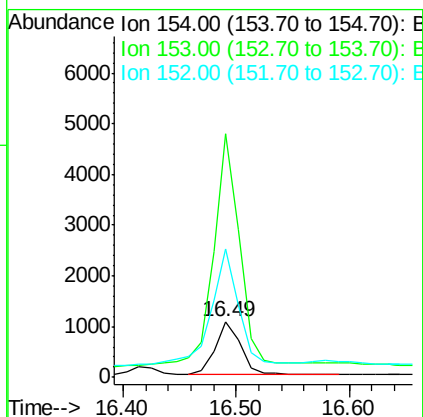
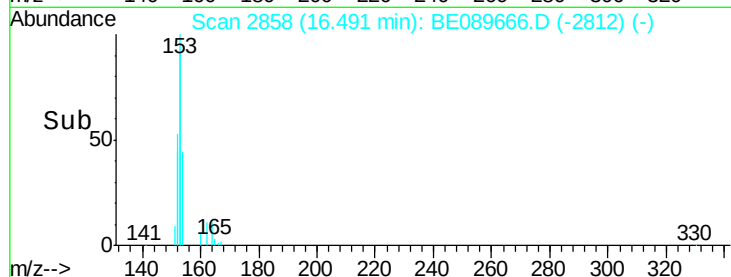
154 100

153 455.4 345.8 518.8

152 242.3 168.6 252.8

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#12

Fluorene

Concen: 0.10 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

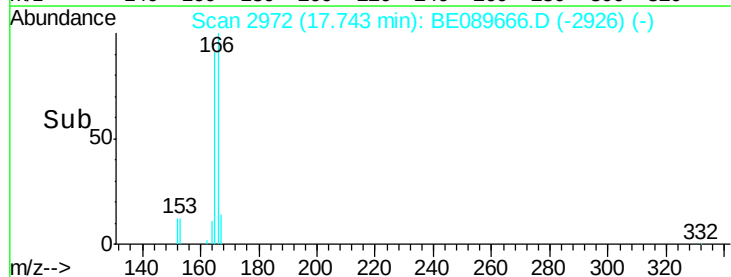
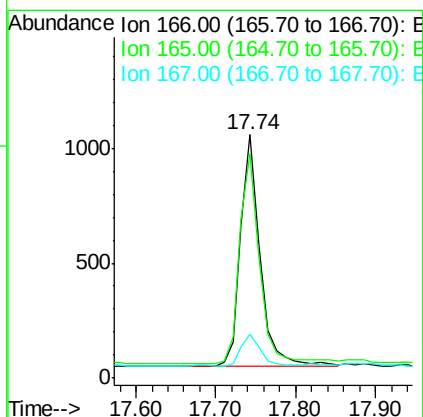
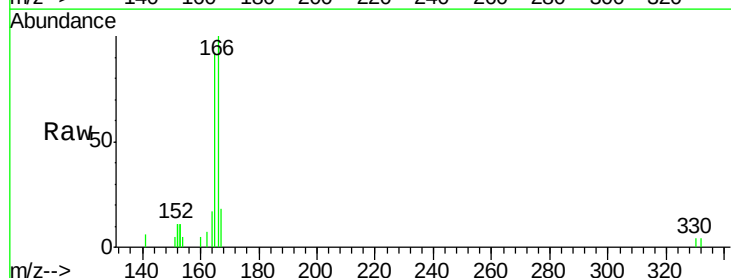
Tgt Ion:166 Resp: 1741

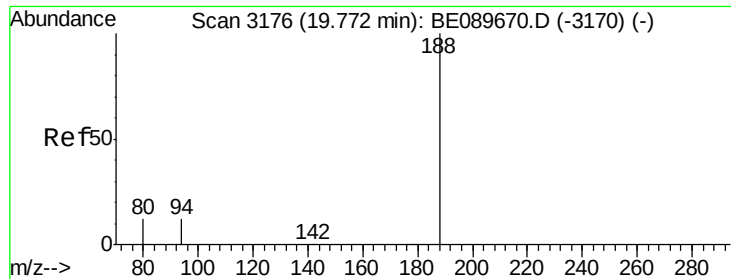
Ion Ratio Lower Upper

166 100

165 89.7 73.6 110.4

167 13.0 10.6 16.0





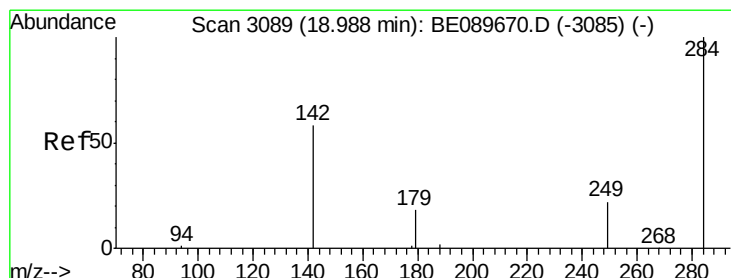
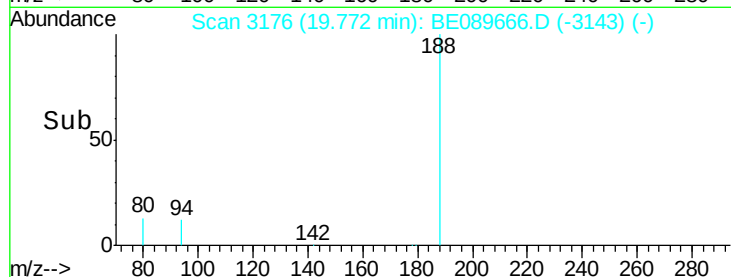
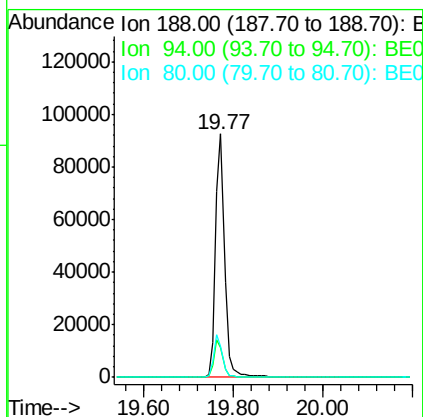
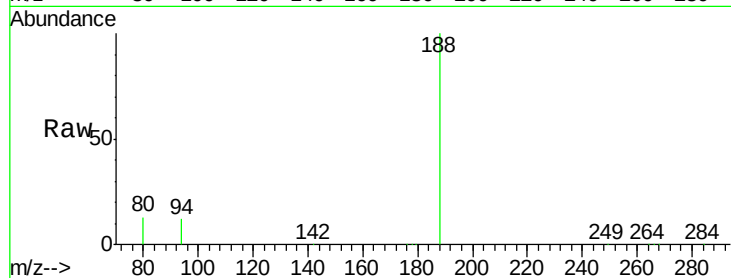
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.3	9.4	14.2
80	12.6	9.5	14.3

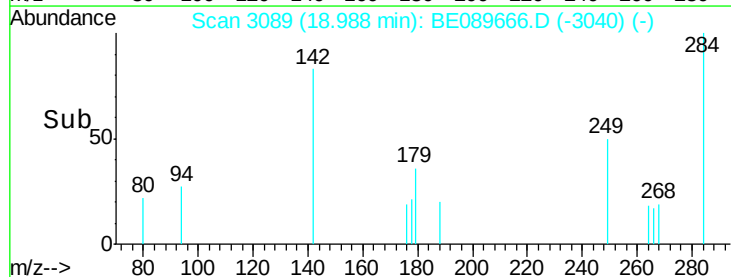
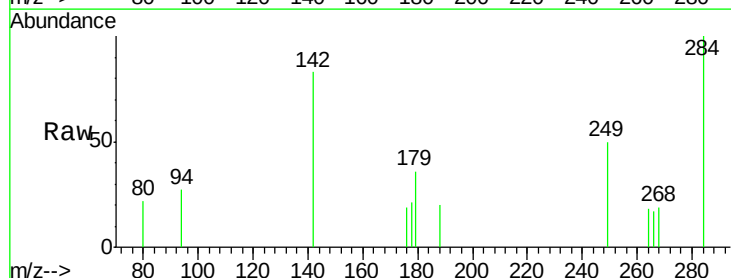
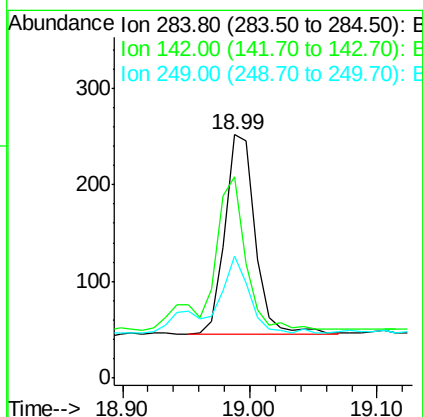
Manual Integrations
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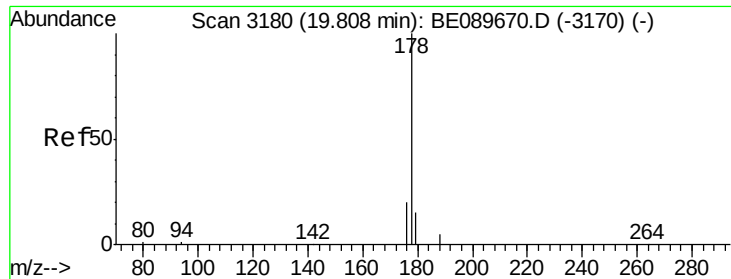
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#14
Hexachlorobenzene
Concen: 0.10 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	85.7	55.4	83.2#
249	43.9	27.2	40.8#





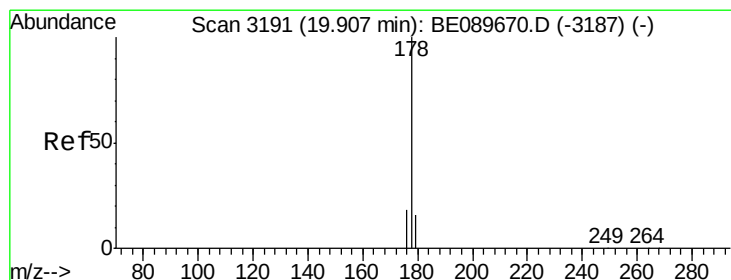
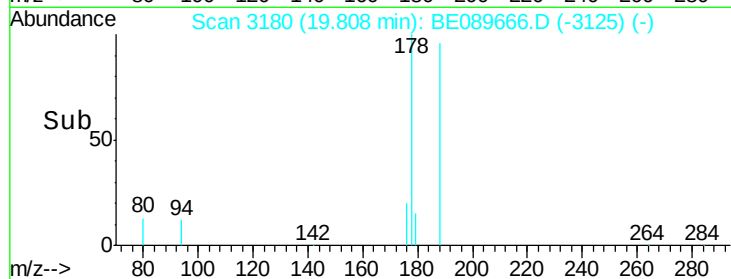
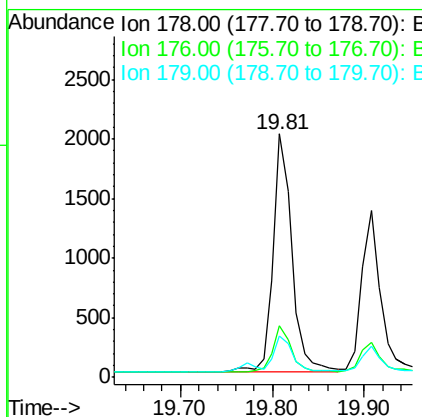
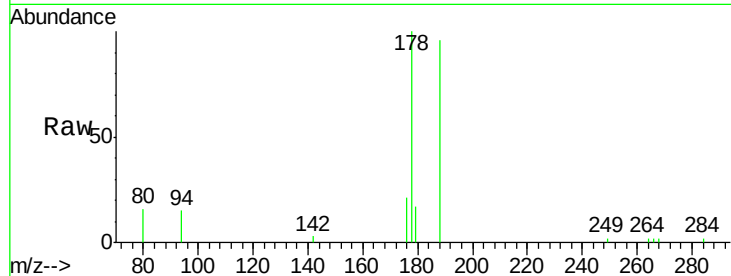
#16
Phenanthrene
Concen: 0.11 ng
RT: 19.81 min Scan# 3180
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	14.5	12.5	18.7

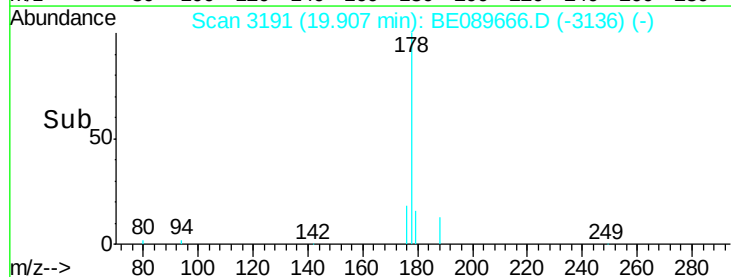
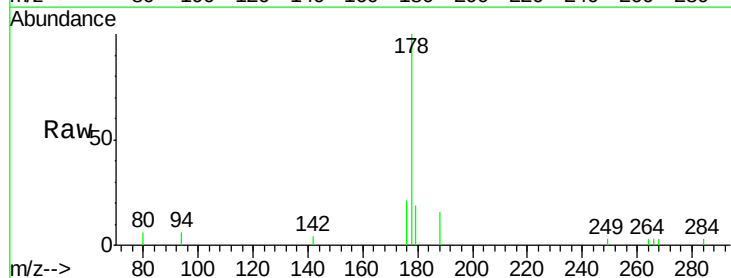
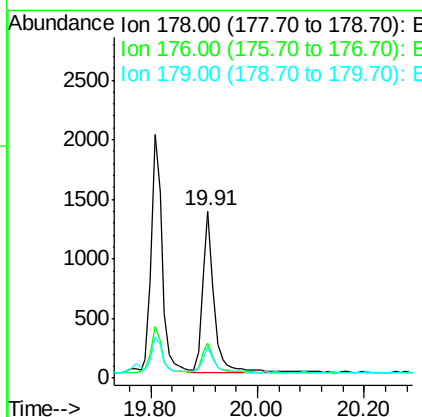
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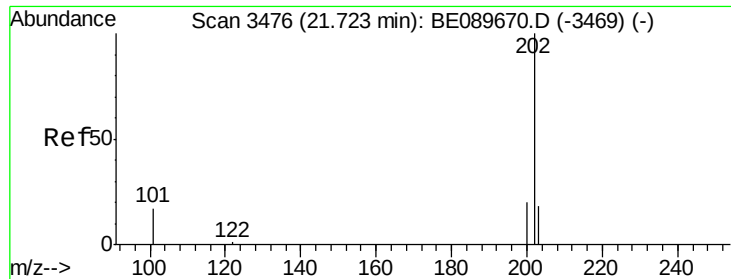
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#17
Anthracene
Concen: 0.09 ng
RT: 19.91 min Scan# 3191
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.0	12.2	18.2





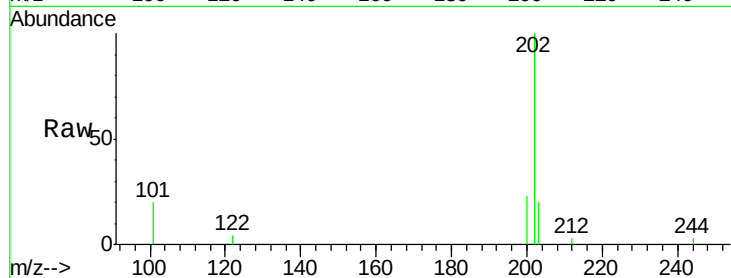
#18
Fluoranthene
Concen: 0.08 ng
RT: 21.72 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

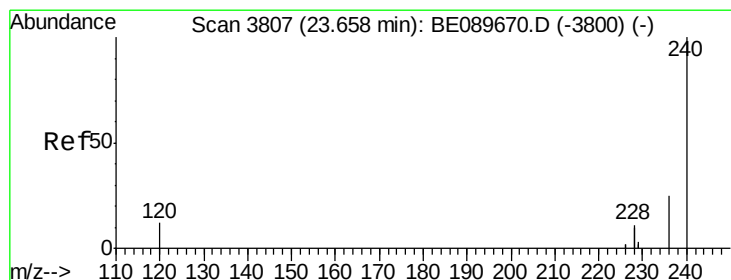
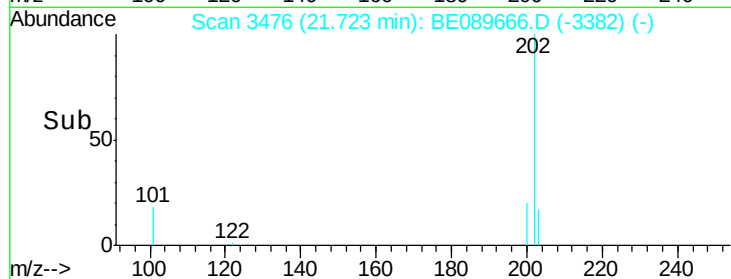
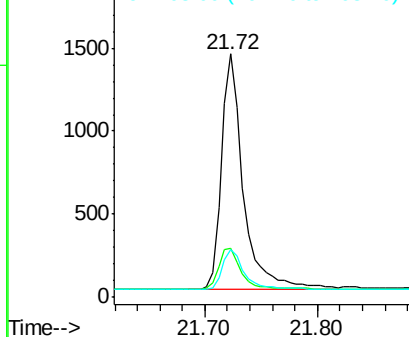
Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.1	14.9	22.3
203	17.5	13.8	20.6

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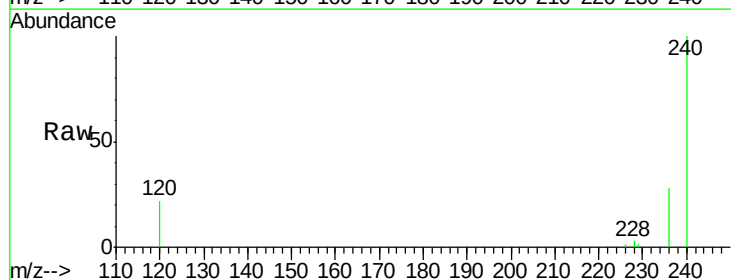


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

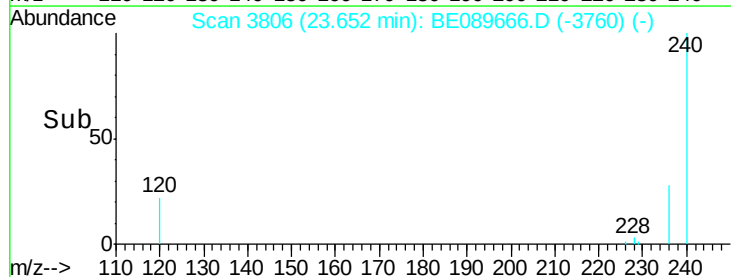
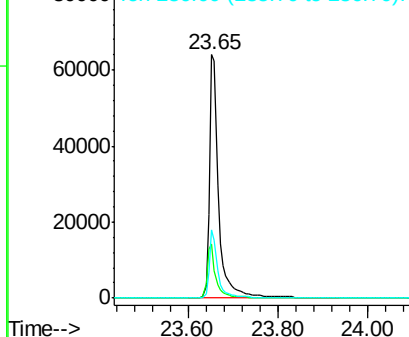


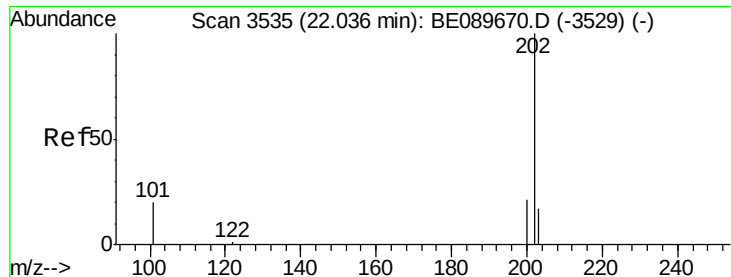
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.65 min Scan# 3806
Delta R.T. -0.01 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	22.4	9.4	14.0#
236	27.8	19.9	29.9



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





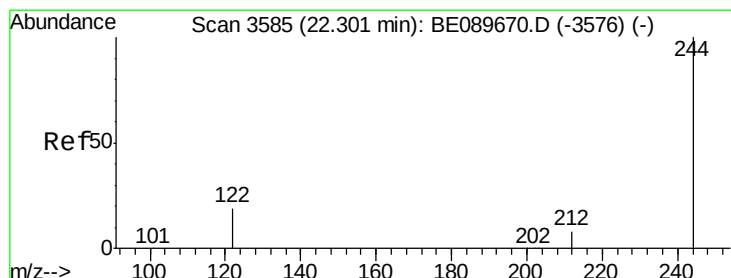
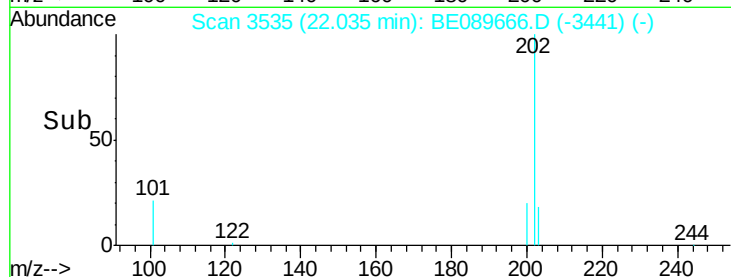
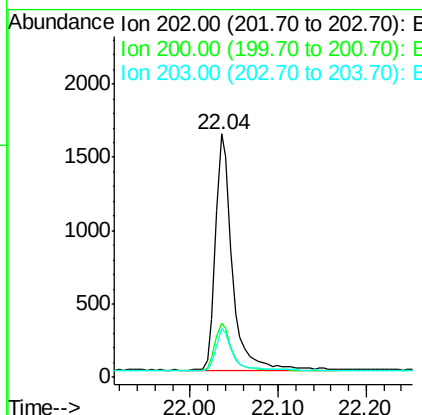
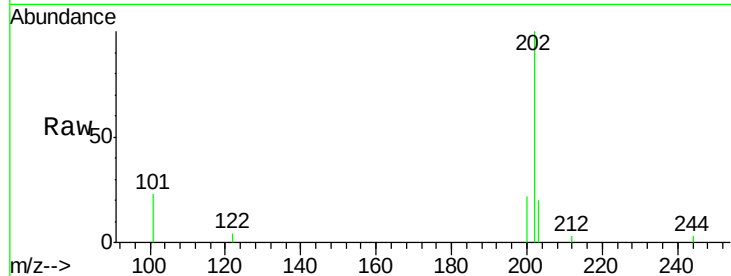
#20
Pyrene
Concen: 0.10 ng
RT: 22.04 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.4	24.6
203	16.9	13.9	20.9

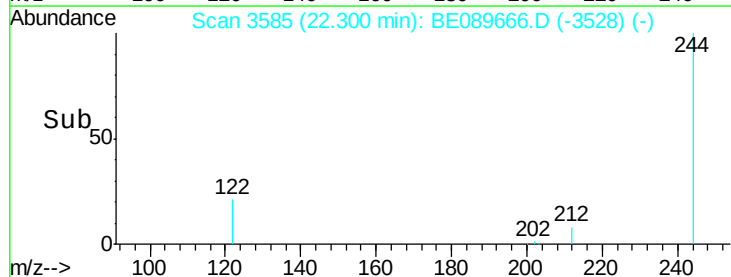
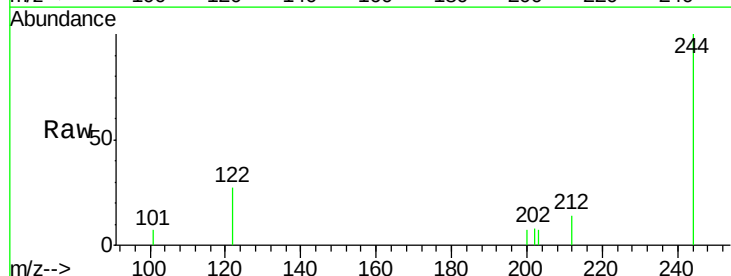
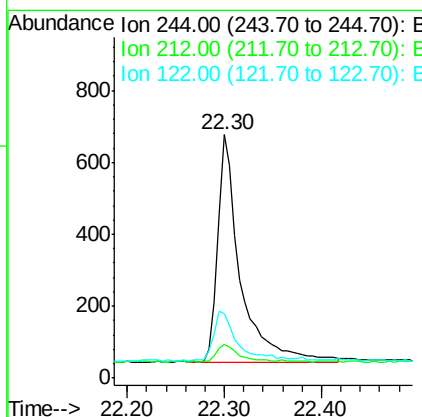
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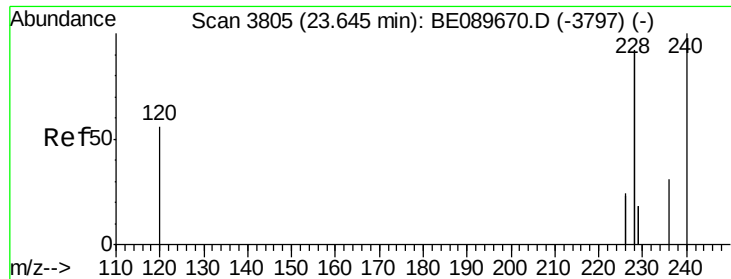
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2/25/2015 3:34:14 PM



#21
Terphenyl-d14
Concen: 0.09 ng
RT: 22.30 min Scan# 3585
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	14.0	7.0	10.6#
122	26.7	15.4	23.0#





#22

Benzo(a)anthracene

Concen: 0.10 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089666.D

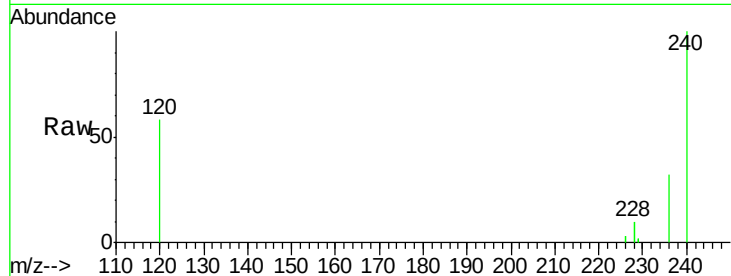
Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

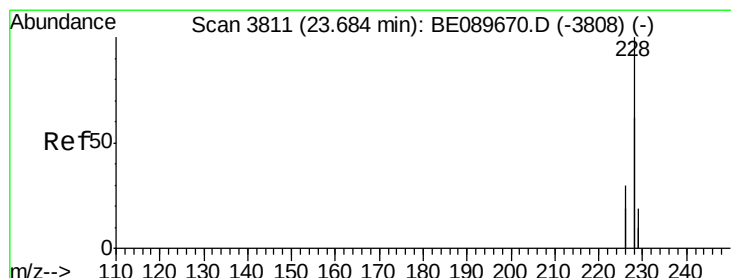
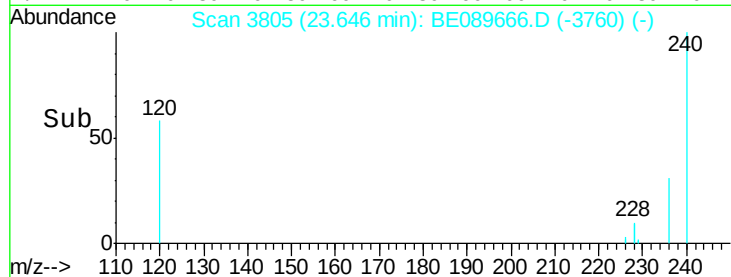
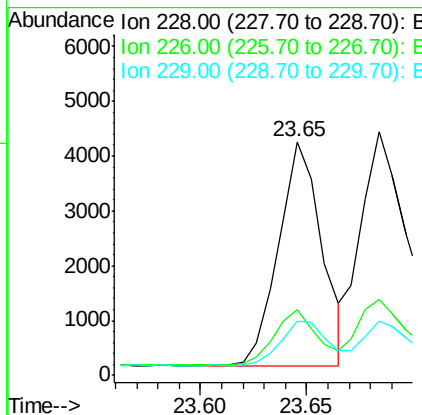
SSTDICC0.1



Tgt Ion:	228	Resp:	5739
Ion Ratio	Lower	Upper	
228	100		
226	28.0	20.6	31.0
229	23.3	15.8	23.6

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#23

Chrysene

Concen: 0.11 ng

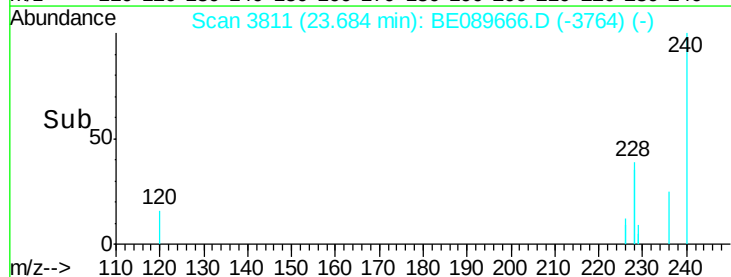
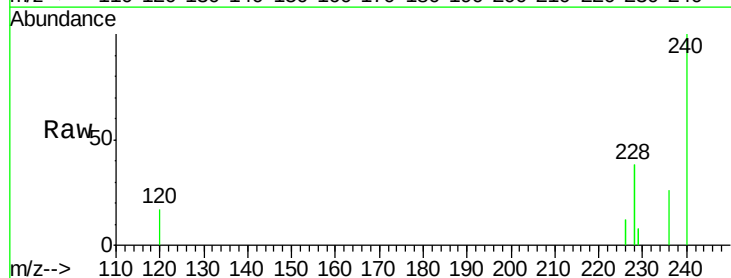
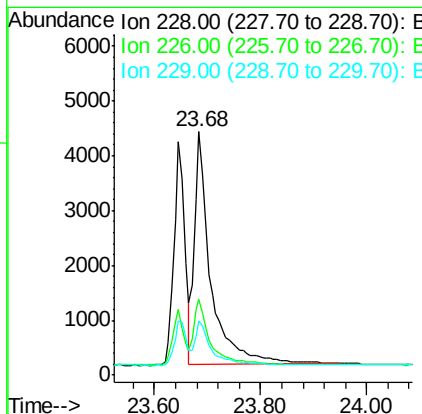
RT: 23.68 min Scan# 3811

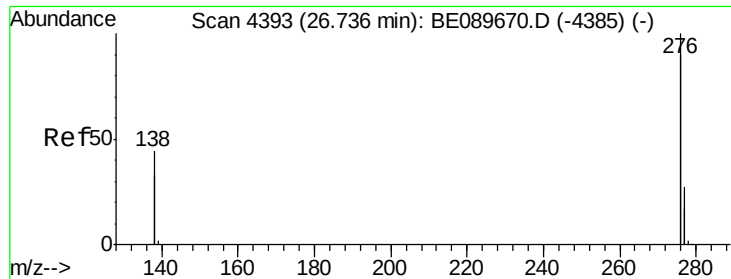
Delta R.T. 0.00 min

Lab File: BE089666.D

Acq: 24 Feb 2015 11:46

Tgt Ion:	228	Resp:	9133
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.6	35.4
229	22.2	15.3	22.9





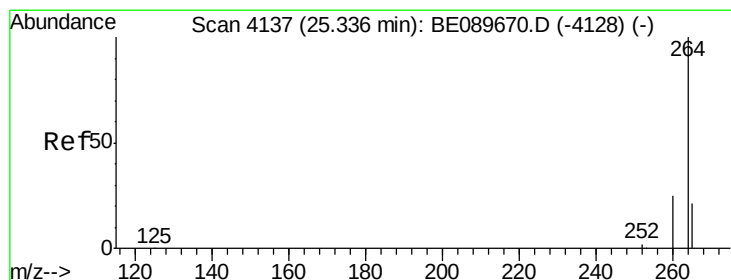
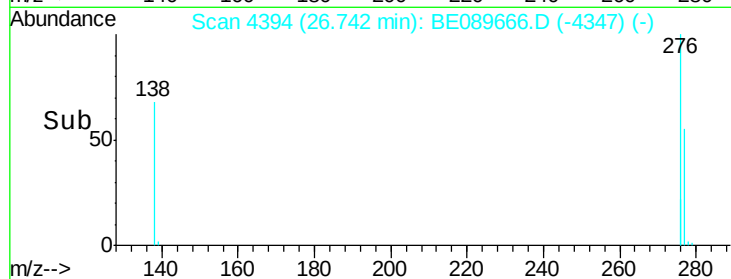
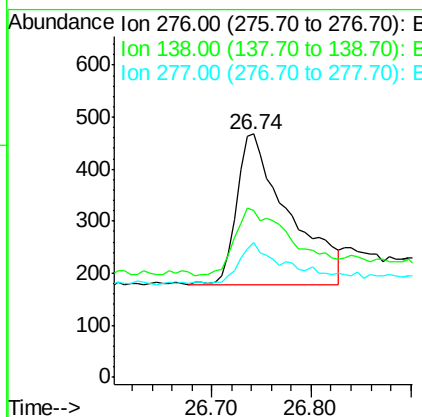
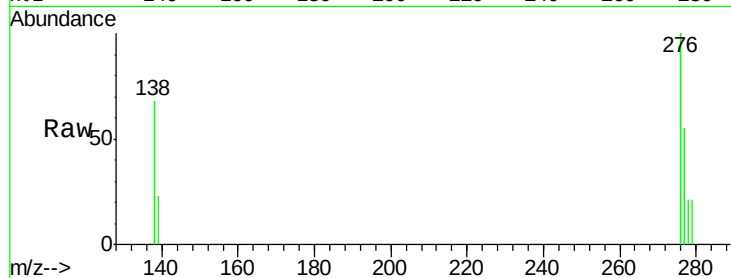
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 26.74 min Scan# 4394
Delta R.T. 0.01 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	50.1	0.0	0.0#
277	27.7	5.2	7.8#

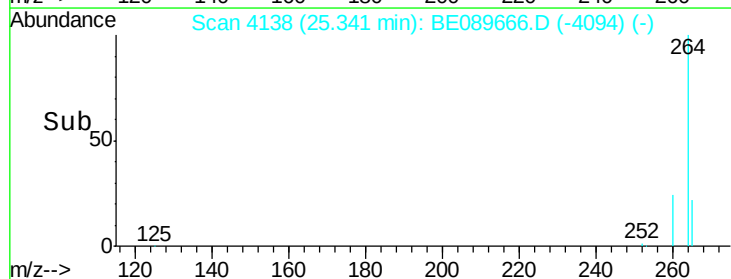
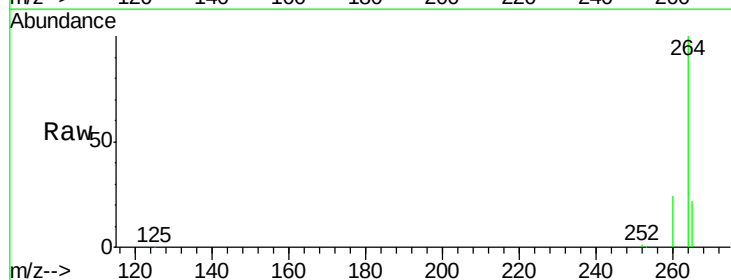
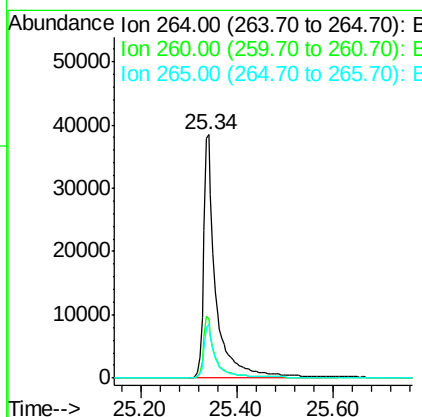
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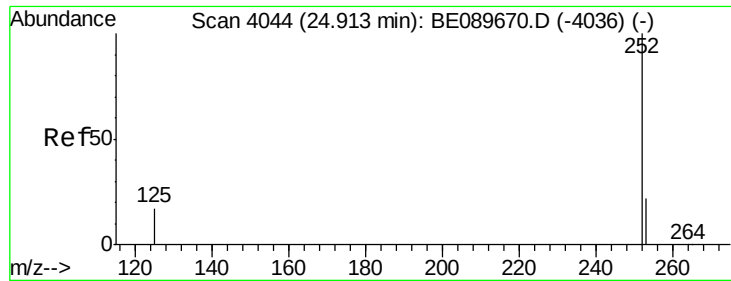
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2/25/2015 3:34:14 PM



#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.2	30.4
265	22.0	17.0	25.4





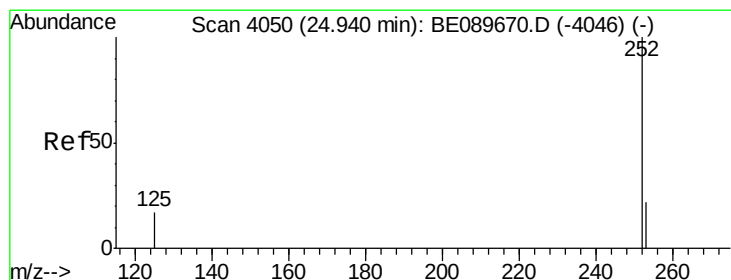
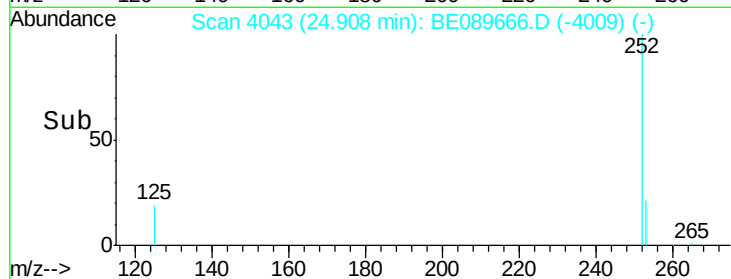
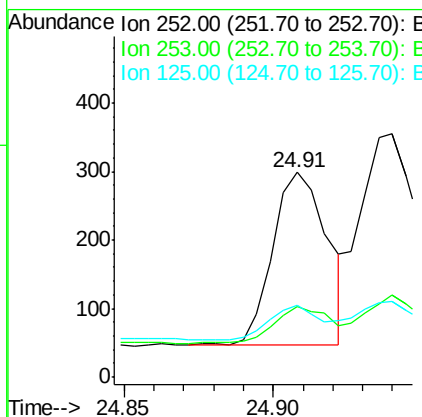
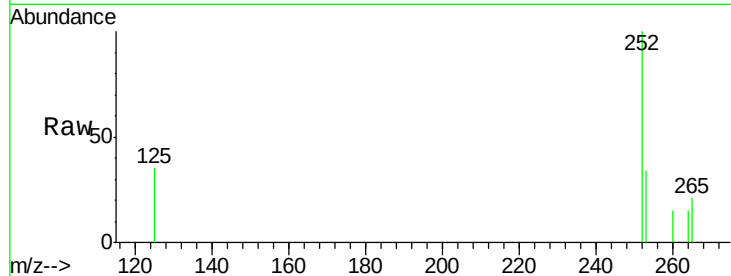
#26
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 24.91 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.4	18.6	27.8#
125	34.8	15.0	22.6#

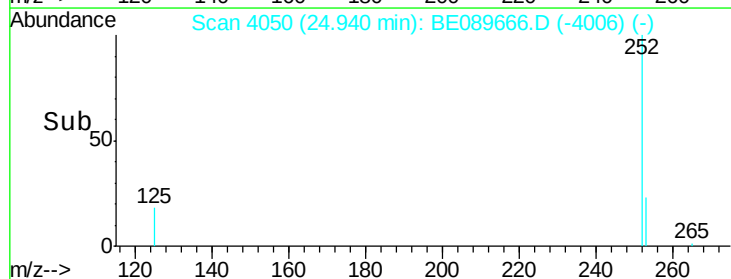
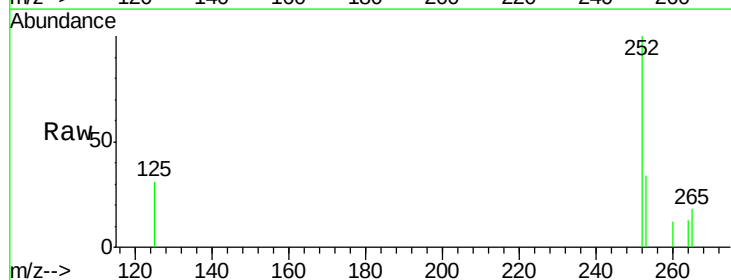
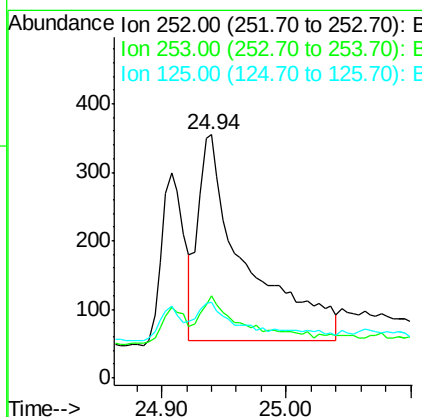
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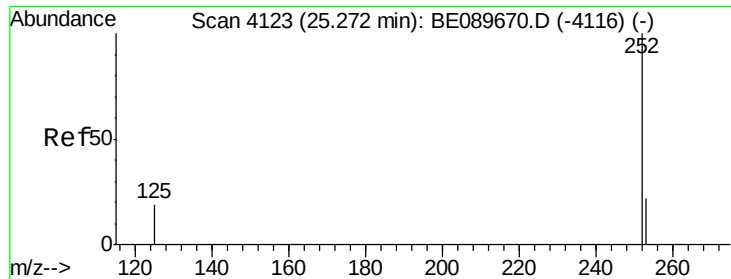
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2/25/2015 3:34:14 PM



#27
Benzo(k)fluoranthene
Concen: 0.05 ng m
RT: 24.94 min Scan# 4050
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	18.0	27.0#
125	31.0	14.3	21.5#





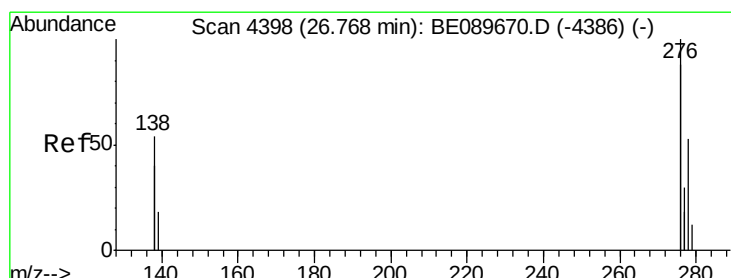
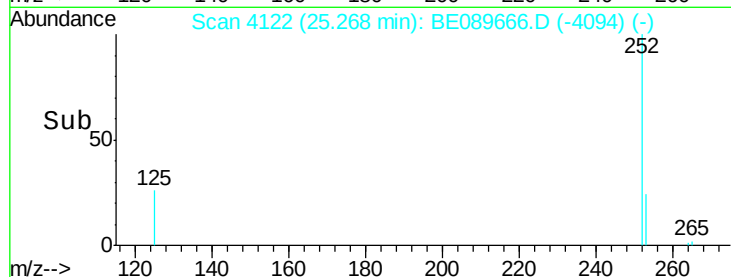
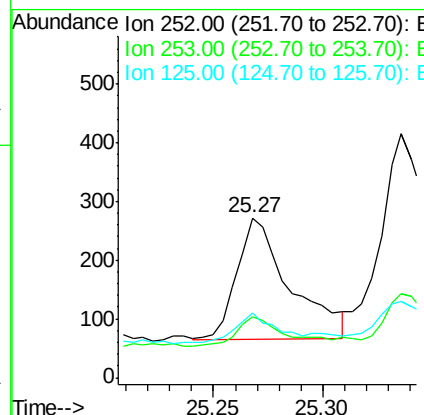
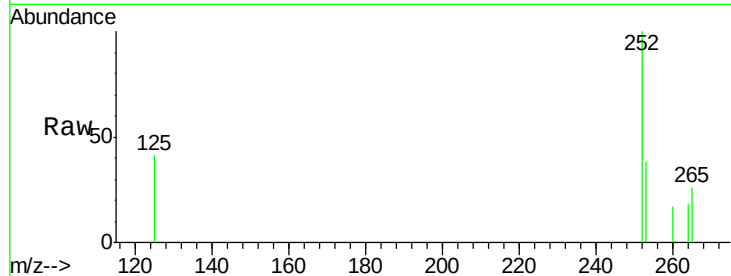
#28
Benzo(a)pyrene
Concen: 0.05 ng
RT: 25.27 min Scan# 4122
Delta R.T. -0.00 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.2	18.8	28.2#
125	40.8	16.6	24.8#

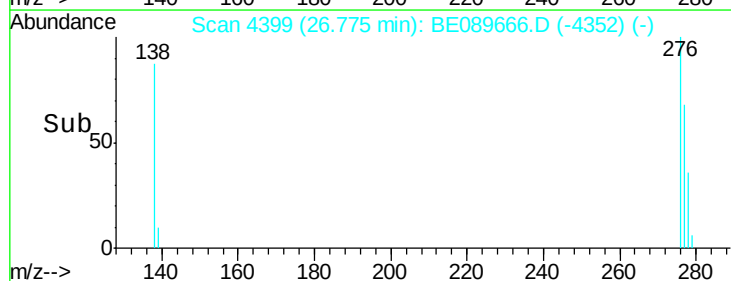
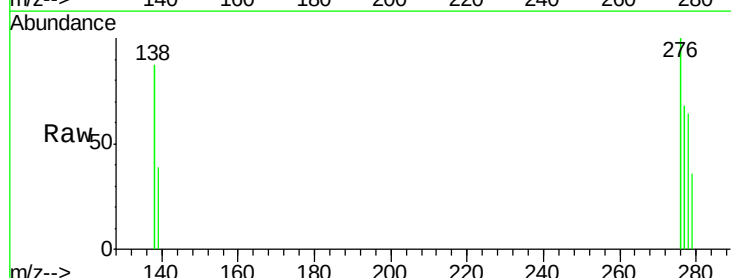
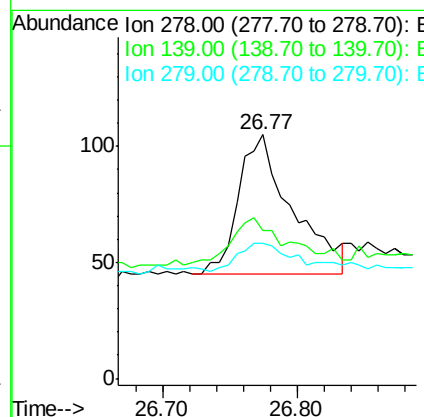
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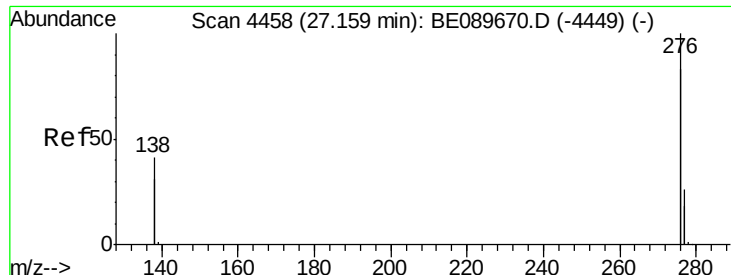
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2/25/2015 3:34:14 PM



#29
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 26.77 min Scan# 4399
Delta R.T. 0.01 min
Lab File: BE089666.D
Acq: 24 Feb 2015 11:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	61.0	30.4	45.6#
279	55.2	22.0	33.0#





#30

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089666.D

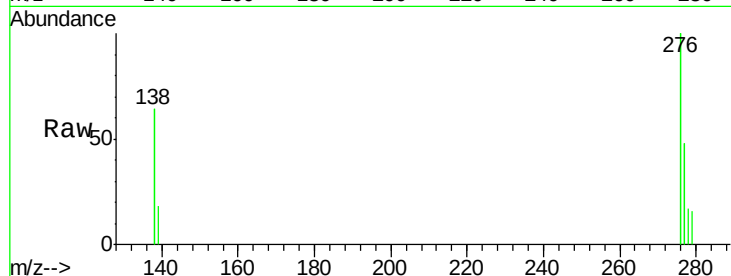
Acq: 24 Feb 2015 11:46

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1



Tgt Ion: 276 Resp: 1347

Ion Ratio Lower Upper

276 100

277 48.3 21.0 31.6#

138 63.7 33.0 49.4#

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