

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089338.D
 Acq On : 7 Jan 2015 20:59
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Manual Integrations
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 1/9/2015 5:21:26 PM

Quant Time: Jan 08 15:25:33 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 15:14:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	17877	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	69384	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	32526	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	50832	5.00	ng	0.00
15) Chrysene-d12	18.07	240	36173	5.00	ng	0.00
21) Perylene-d12	21.12	264	32007	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	2556	0.53	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	4856	0.55	ng	0.00
17) Terphenyl-d14	15.85	244	3543	0.55	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	8598	0.55	ng	99
5) 2-Methylnaphthalene	9.39	142	5391	0.55	ng	100
8) Acenaphthylene	10.47	152	30997	0.56	ng	99
9) Acenaphthene	10.69	154	4812	0.55	ng	94
10) Fluorene	11.34	166	5196	0.56	ng	100
12) Phenanthrene	12.75	178	29189	0.55	ng	98
13) Anthracene	12.84	178	28097	0.55	ng	100
14) Fluoranthene	14.96	202	6307	0.54	ng	99
16) Pyrene	15.40	202	6566	0.55	ng	99
18) Benzo(a)anthracene	18.04	228	19601	0.53	ng	99
19) Chrysene	18.12	228	20131	0.55	ng	99
20) Indeno(1,2,3-cd)pyrene	23.22	276	17844m	0.53	ng	
22) Benzo(b)fluoranthene	20.37	252	3763	0.54	ng	97
23) Benzo(k)fluoranthene	20.43	252	4839	0.55	ng	98
24) Benzo(a)pyrene	21.01	252	3640	0.53	ng	97
25) Dibenzo(a,h)anthracene	23.30	278	3356	0.53	ng	95
26) Benzo(g,h,i)perylene	23.80	276	17001	0.53	ng	96

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

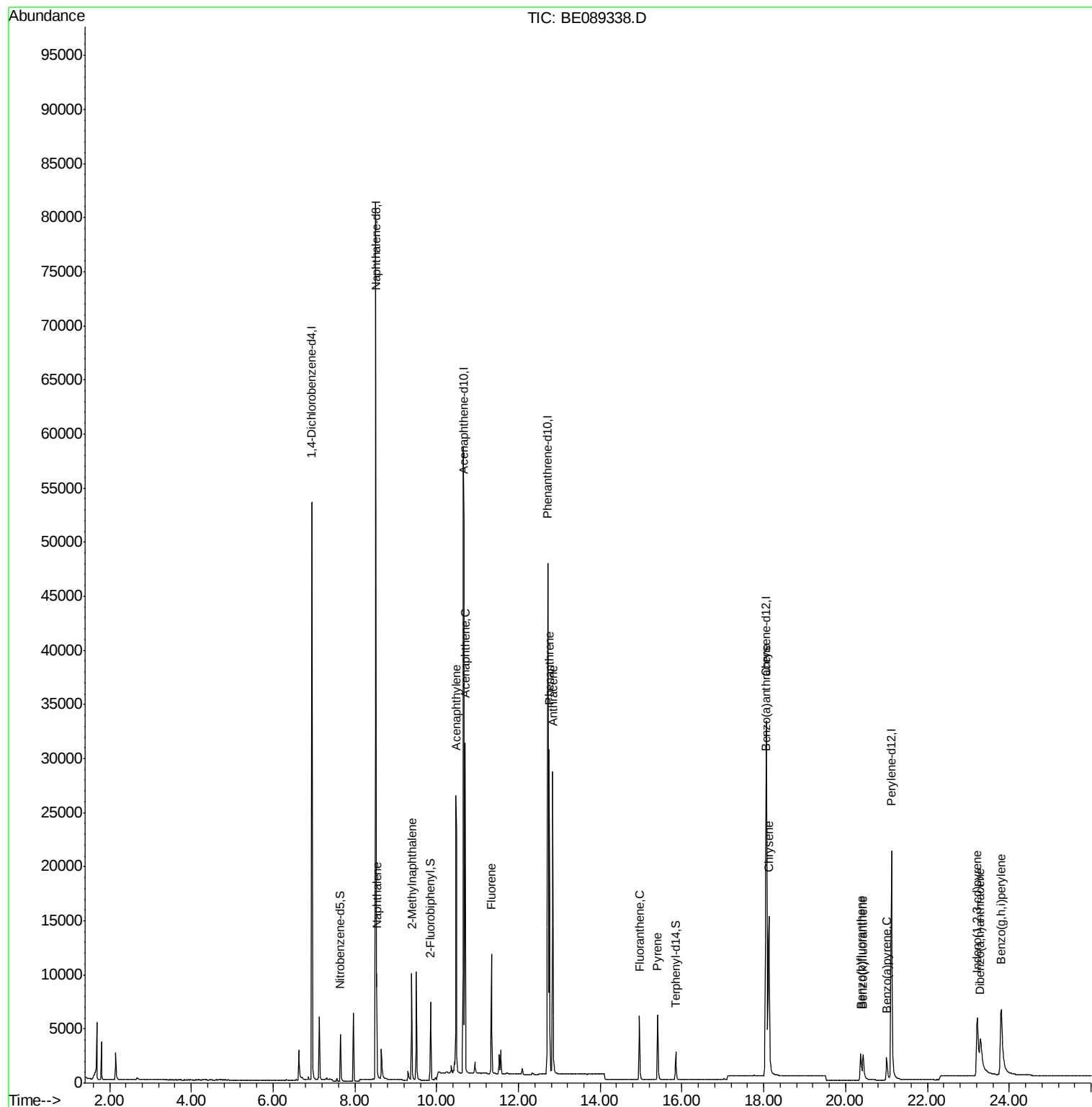
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

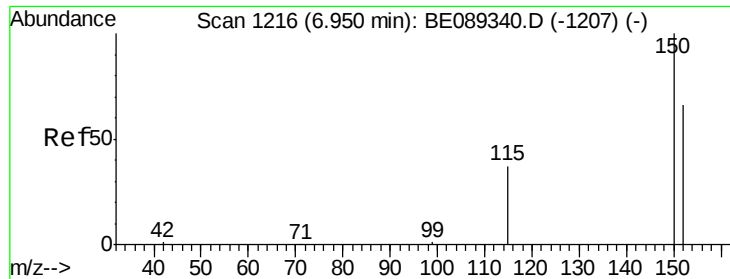
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Manual Integrations
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Quant Time: Jan 08 15:25:33 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BE089338.D

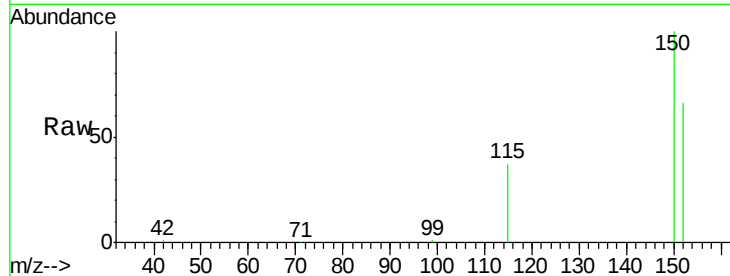
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5



Tgt Ion:152 Resp: 17877

Ion Ratio Lower Upper

152 100

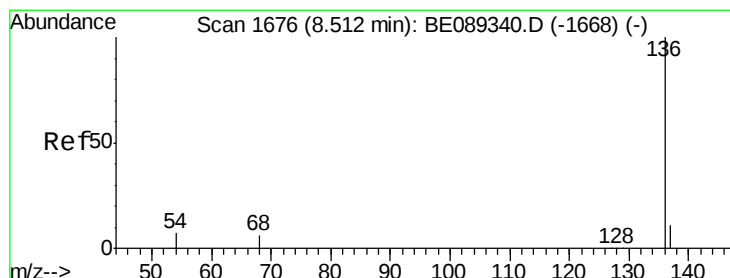
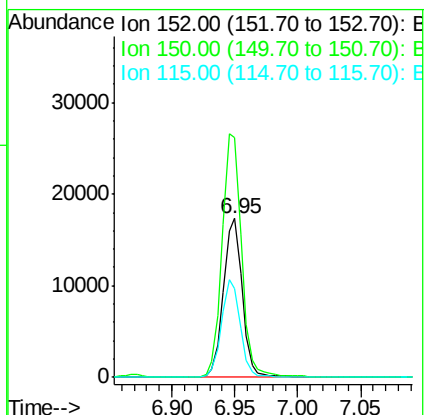
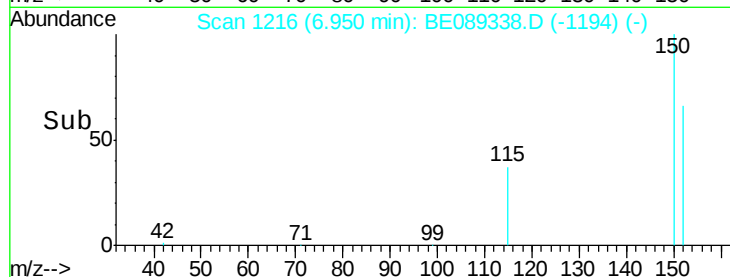
150 150.7 121.5 182.3

115 55.8 45.2 67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

Tgt Ion:136 Resp: 69384

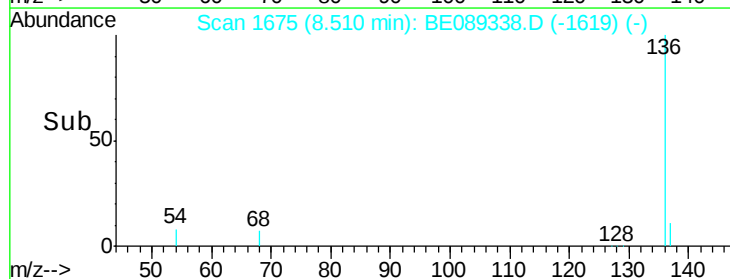
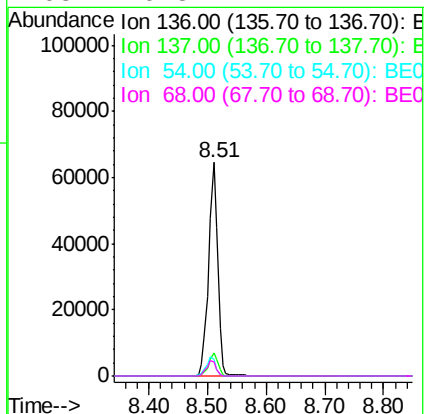
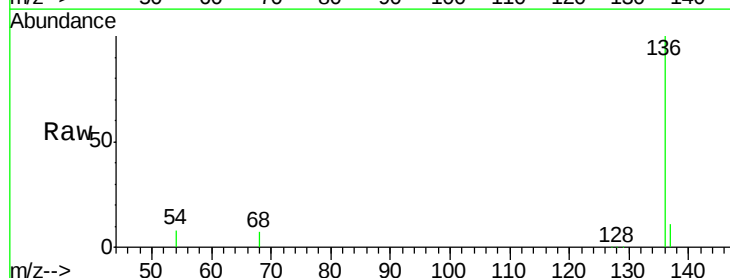
Ion Ratio Lower Upper

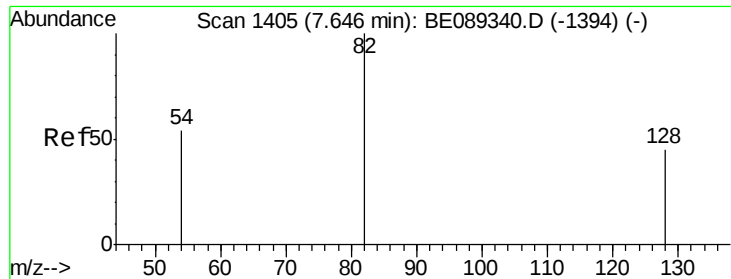
136 100

137 10.8 9.0 13.4

54 7.8 5.4 8.0

68 6.8 4.7 7.1





#3

Nitrobenzene-d5

Concen: 0.53 ng

RT: 7.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE089338.D

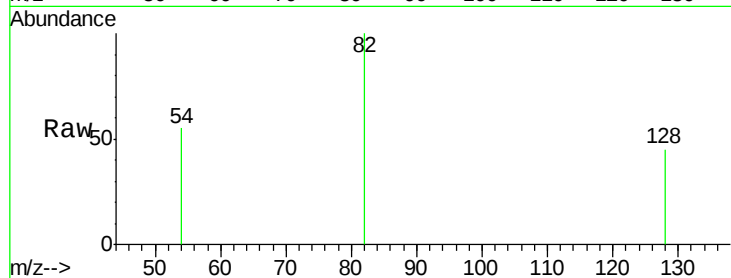
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5



Tgt Ion: 82 Resp: 2556

Ion Ratio Lower Upper

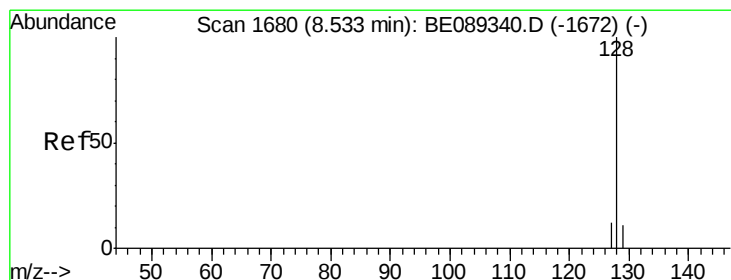
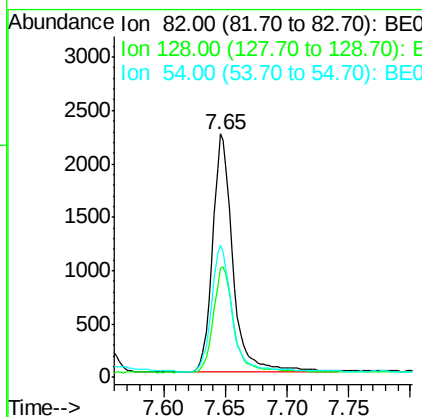
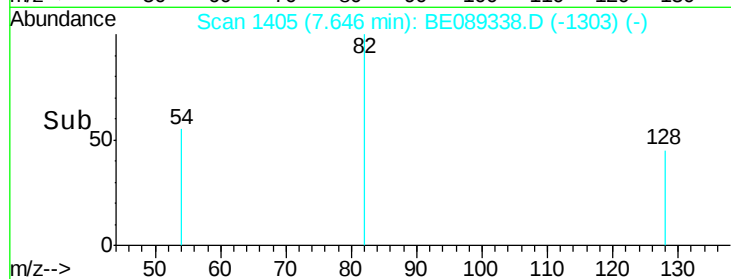
82 100

128 44.8 36.5 54.7

54 54.6 43.5 65.3

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#4

Naphthalene

Concen: 0.55 ng

RT: 8.54 min Scan# 1680

Delta R.T. 0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

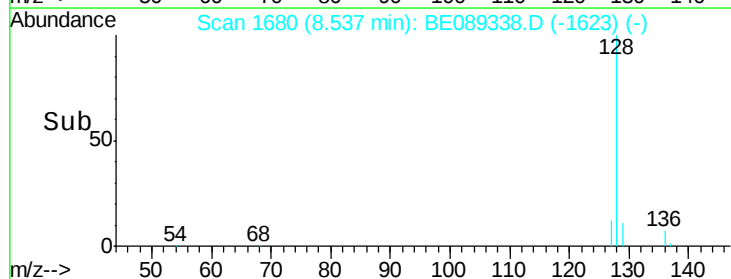
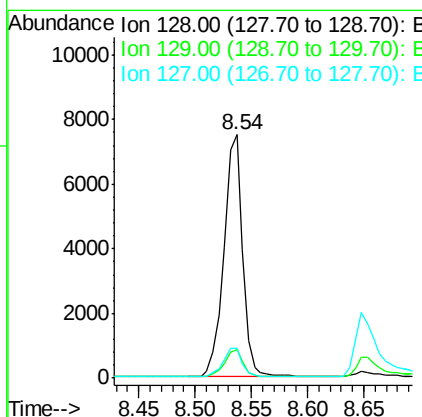
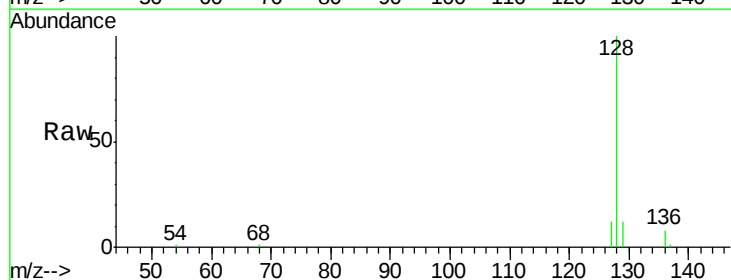
Tgt Ion: 128 Resp: 8598

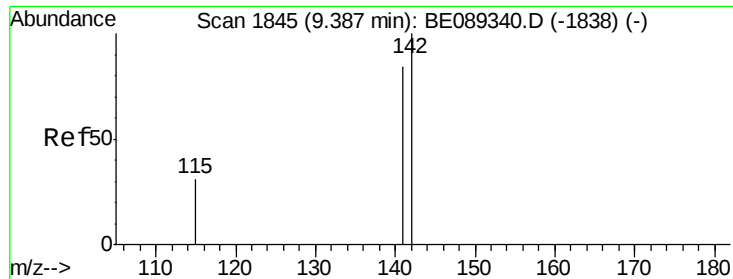
Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

127 12.2 10.0 15.0





#5

2-Methylnaphthalene

Concen: 0.55 ng

RT: 9.39 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BE089338.D

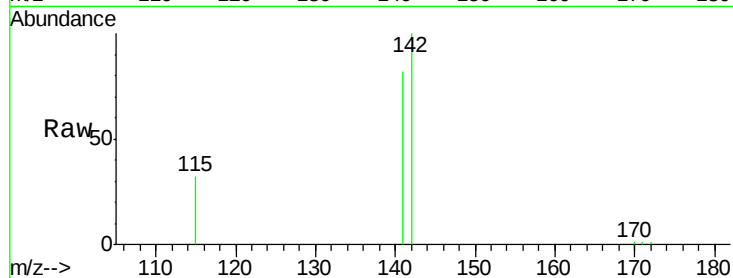
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

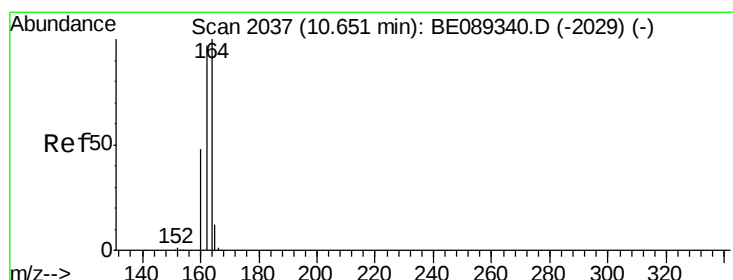
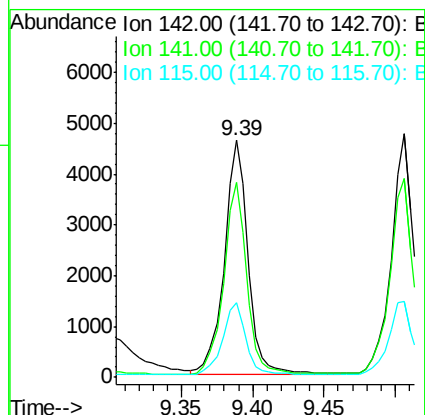
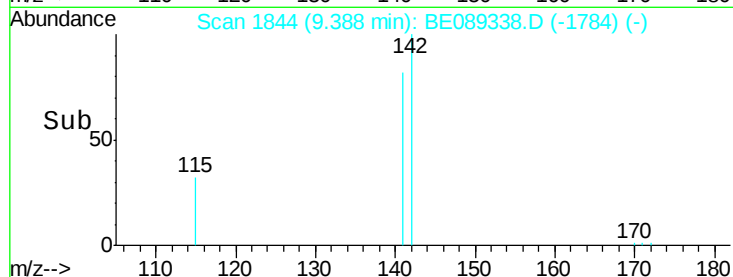
SSTDICC0.5



Tgt Ion:	142	Resp:	5391
Ion Ratio	Lower	Upper	
142	100		
141	82.4	66.3	99.5
115	31.5	25.2	37.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

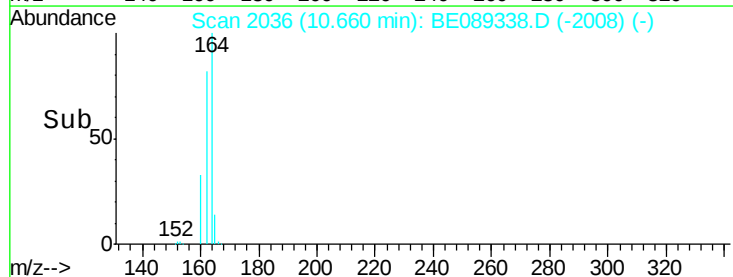
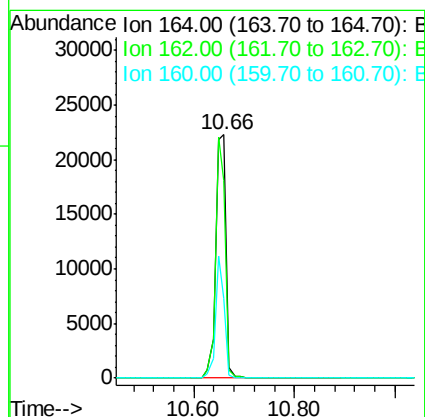
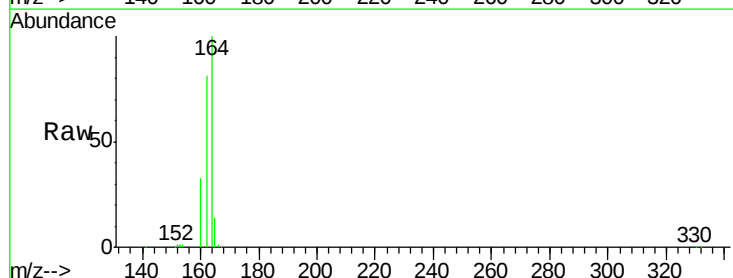
RT: 10.66 min Scan# 2036

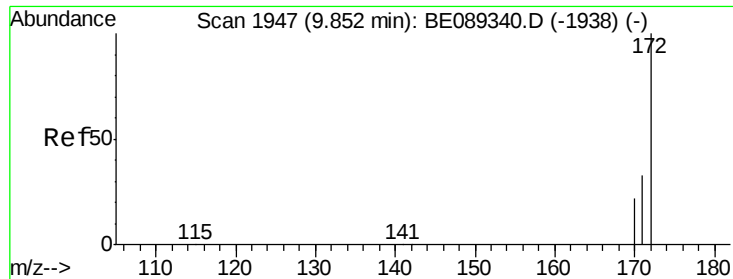
Delta R.T. 0.01 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

Tgt Ion:	164	Resp:	32526
Ion Ratio	Lower	Upper	
164	100		
162	81.2	77.4	116.2
160	32.7	38.2	57.4#





#7

2-Fluorobiphenyl

Concen: 0.55 ng

RT: 9.85 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BE089338.D

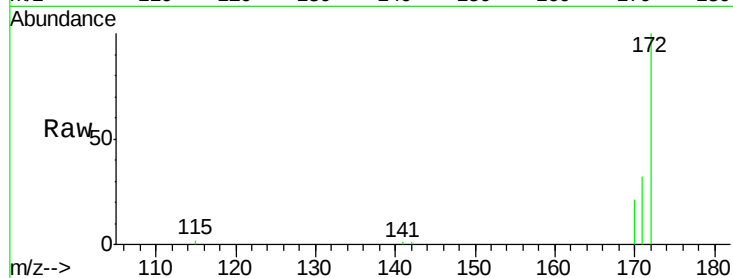
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

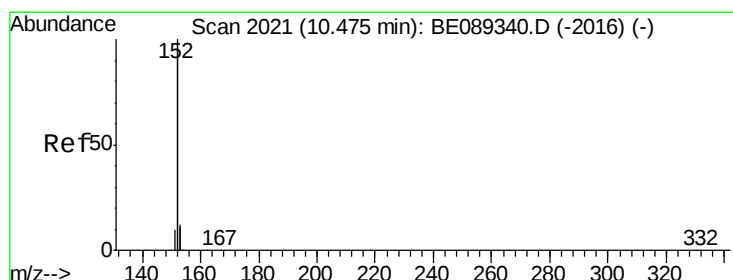
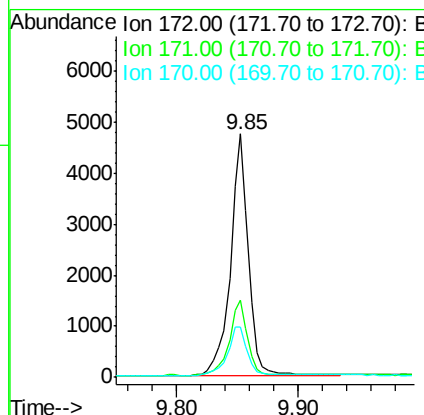
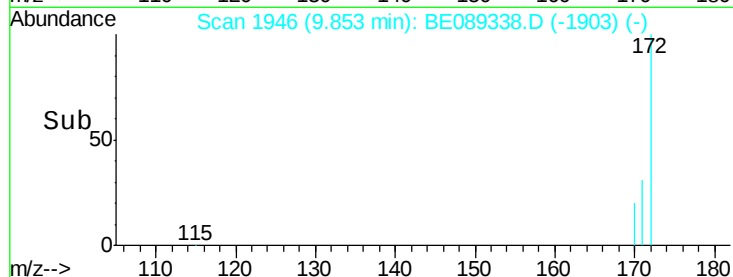
SSTDIC0.5



Tgt Ion:	172	Resp:	4856
Ion Ratio	Lower	Upper	
172	100		
171	32.0	26.4	39.6
170	20.9	18.0	27.0

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#8

Acenaphthylene

Concen: 0.56 ng

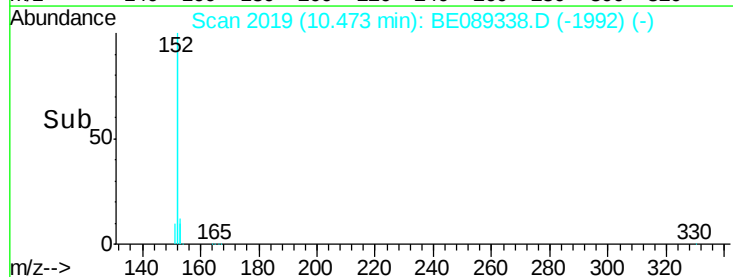
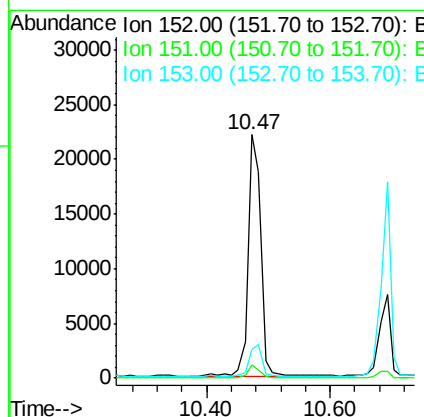
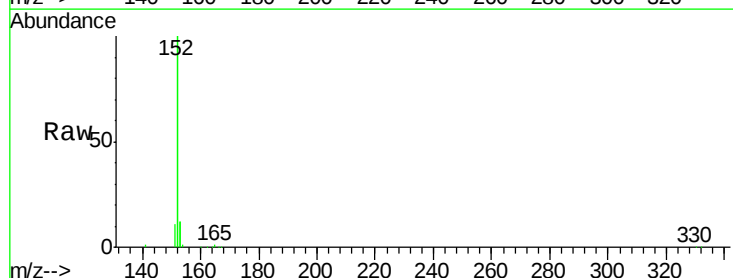
RT: 10.47 min Scan# 2019

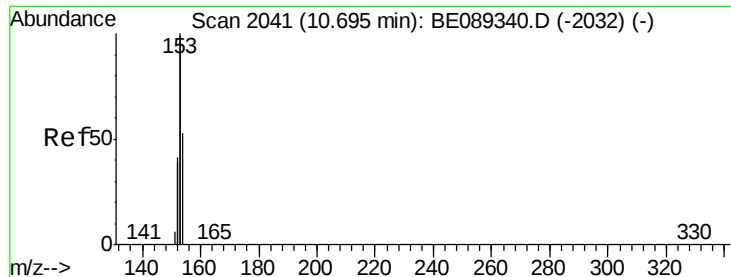
Delta R.T. -0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

Tgt Ion:	152	Resp:	30997
Ion Ratio	Lower	Upper	
152	100		
151	5.3	4.1	6.1
153	11.9	9.8	14.6





#9

Acenaphthene

Concen: 0.55 ng

RT: 10.69 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

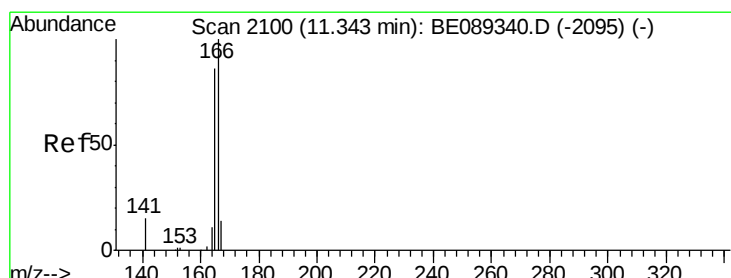
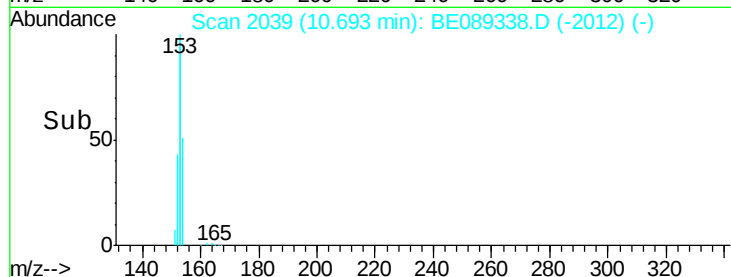
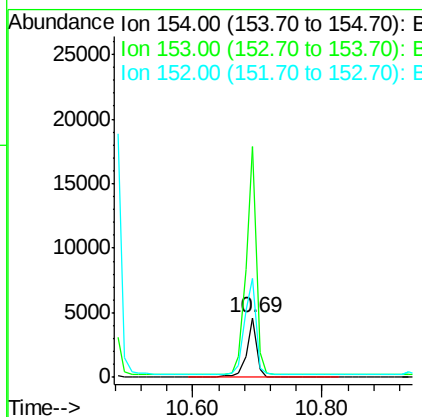
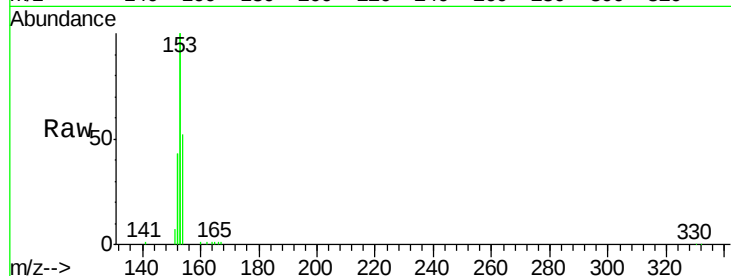
LabSampleId :

SSTDIC0.5

Tgt Ion:	154	Resp:	4812
Ion Ratio	Lower	Upper	
154	100		
153	386.7	300.6	450.8
152	165.9	123.3	184.9

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#10

Fluorene

Concen: 0.56 ng

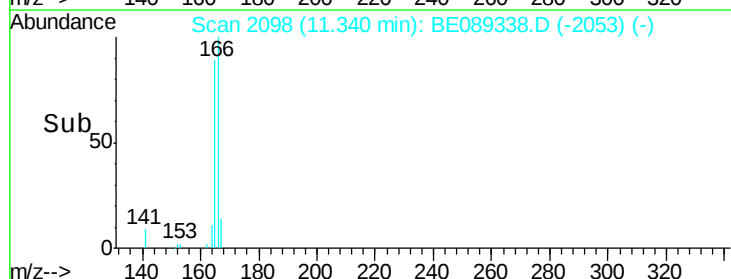
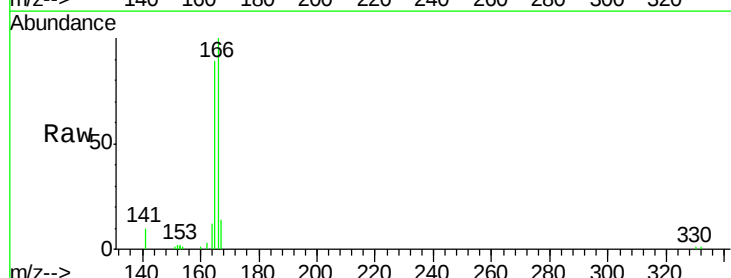
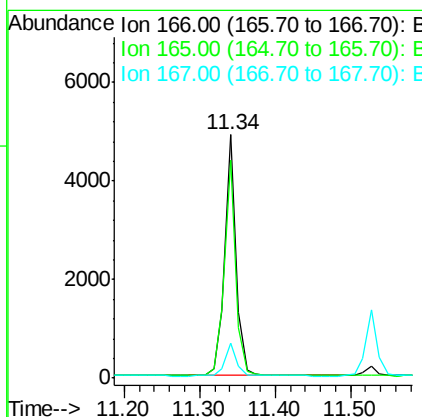
RT: 11.34 min Scan# 2098

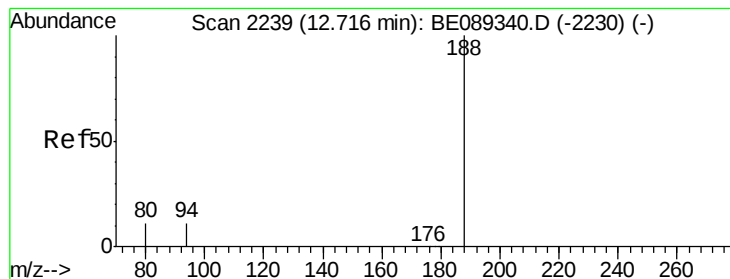
Delta R.T. -0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

Tgt Ion:	166	Resp:	5196
Ion Ratio	Lower	Upper	
166	100		
165	89.6	72.1	108.1
167	13.7	11.0	16.4





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BE089338.D

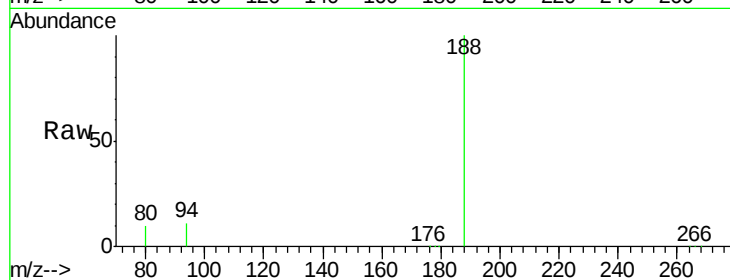
Acq: 7 Jan 2015 20:59

Instrument :

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LabSampleId :

SSTDICC0.5



Tgt Ion:188 Resp: 50832

Ion Ratio Lower Upper

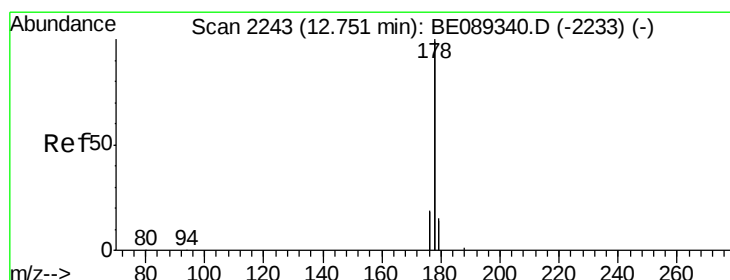
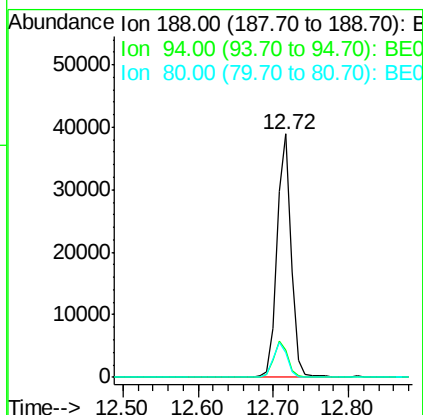
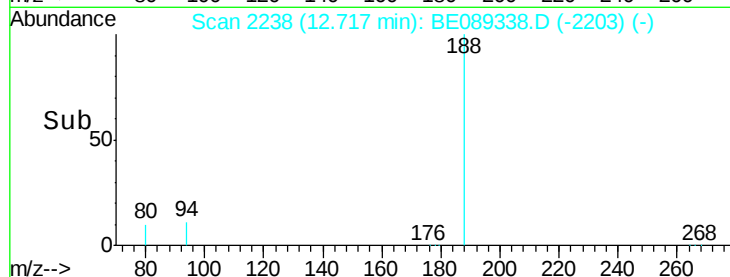
188 100

94 11.2 11.0 12.2

80 9.9 10.1 11.1#

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#12

Phenanthrene

Concen: 0.55 ng

RT: 12.75 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

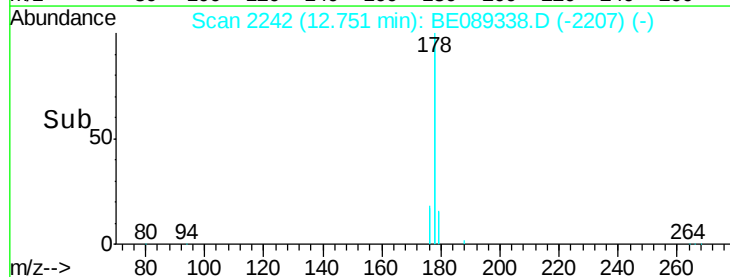
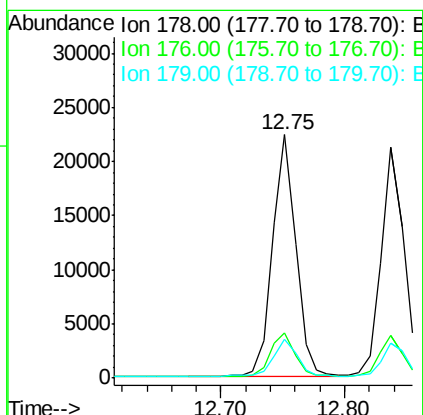
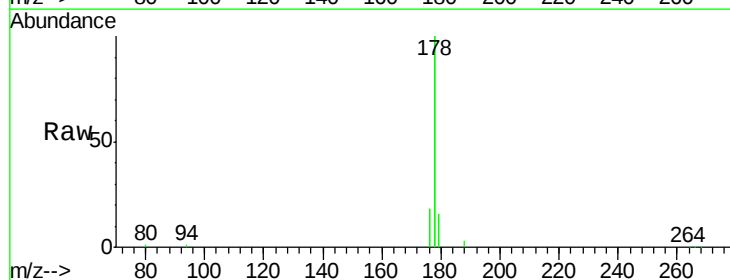
Tgt Ion:178 Resp: 29189

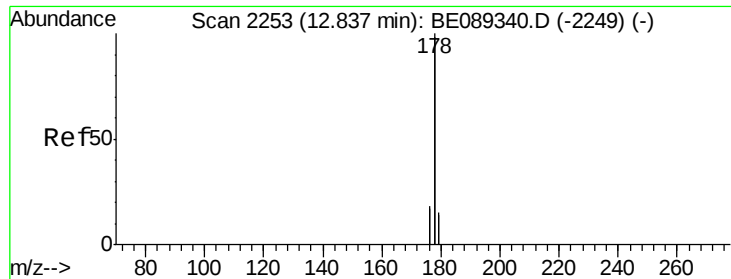
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 16.2 12.2 18.2





#13

Anthracene

Concen: 0.55 ng

RT: 12.84 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BE089338.D

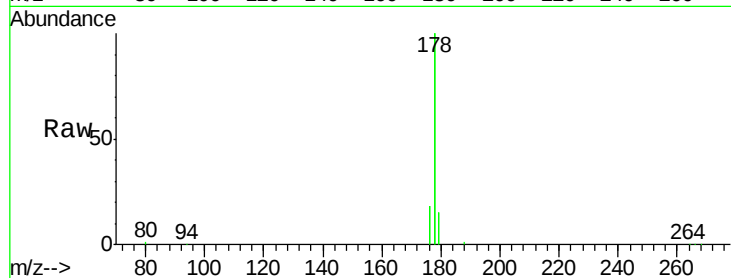
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5



Tgt Ion:178 Resp: 28097

Ion Ratio Lower Upper

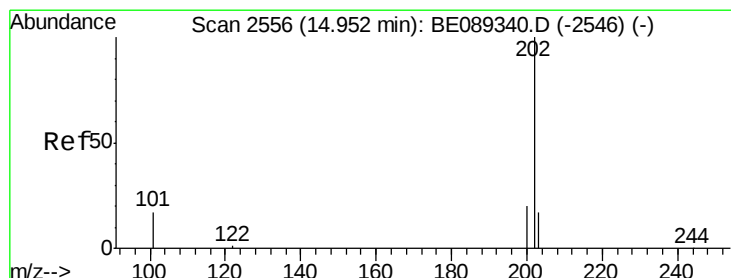
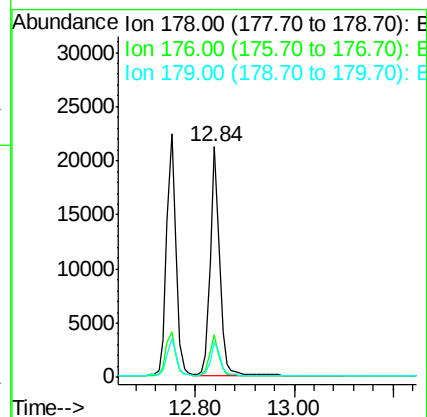
178 100

176 18.4 14.7 22.1

179 15.4 12.0 18.0

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#14

Fluoranthene

Concen: 0.54 ng

RT: 14.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

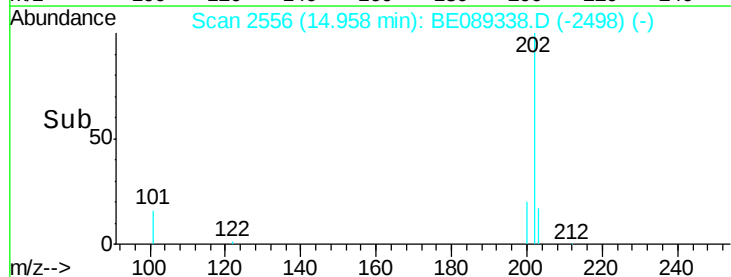
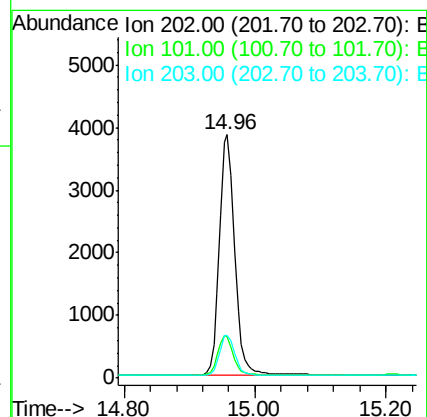
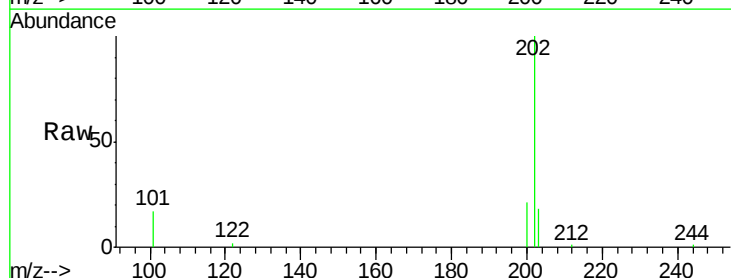
Tgt Ion:202 Resp: 6307

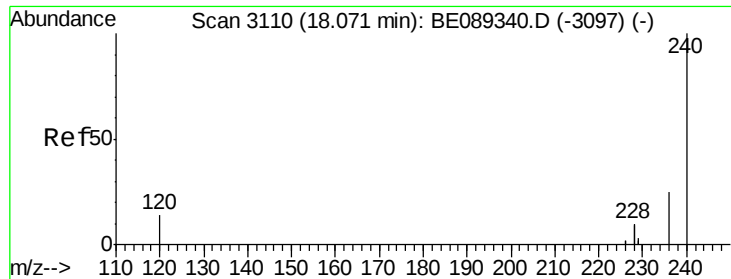
Ion Ratio Lower Upper

202 100

101 17.1 0.0 37.9

203 17.8 0.0 37.5





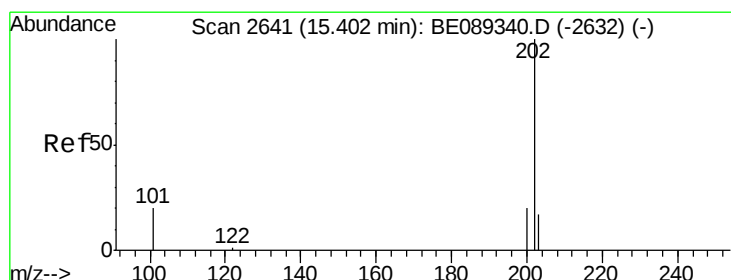
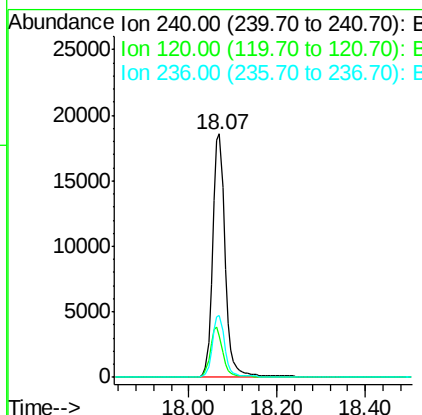
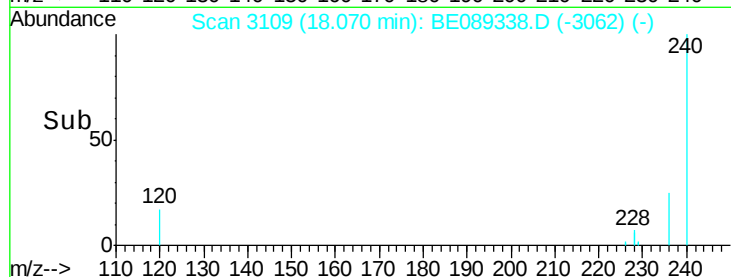
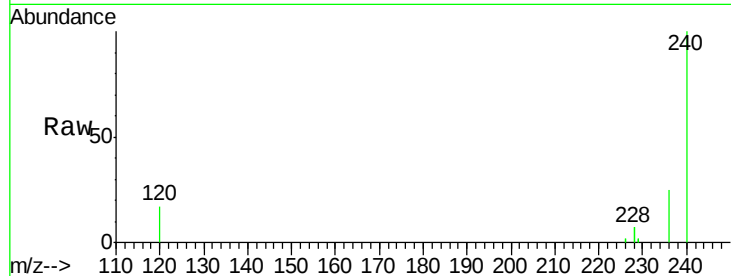
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BE089338.D
Acq: 7 Jan 2015 20:59

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.1	11.8	17.6
236	25.3	20.0	30.0

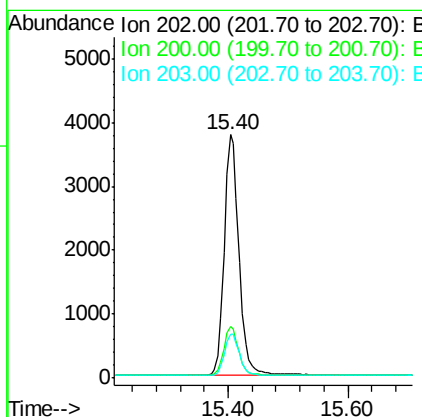
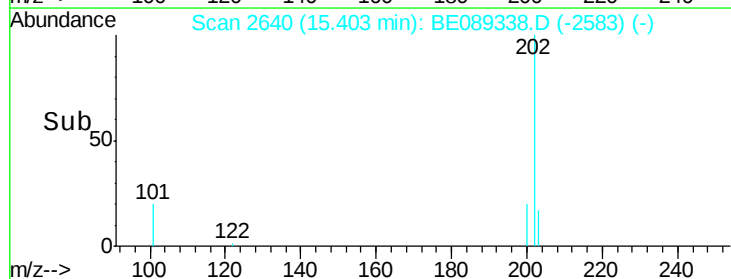
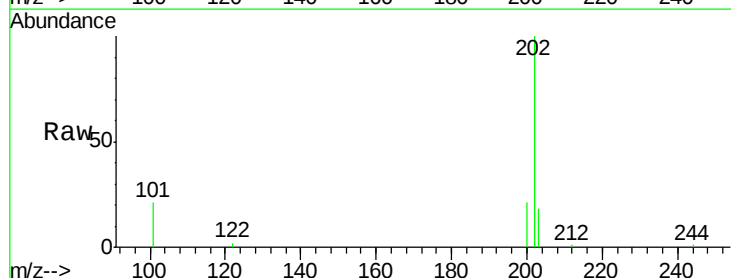
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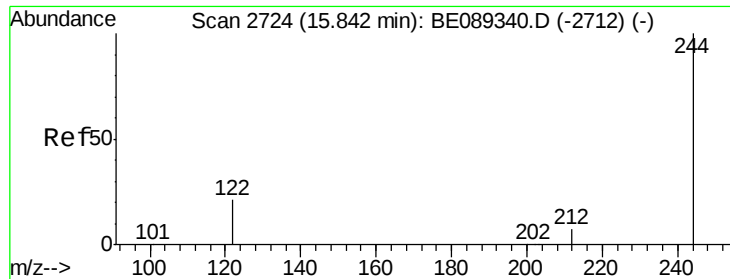
TEJASKUMAR
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#16
Pyrene
Concen: 0.55 ng
RT: 15.40 min Scan# 2640
Delta R.T. 0.00 min
Lab File: BE089338.D
Acq: 7 Jan 2015 20:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.2	14.0	21.0





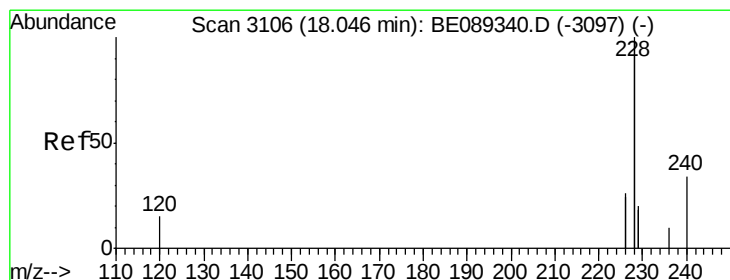
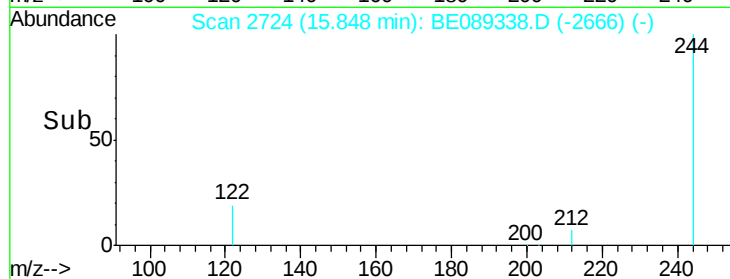
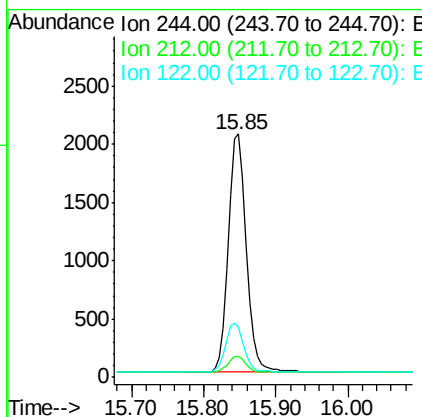
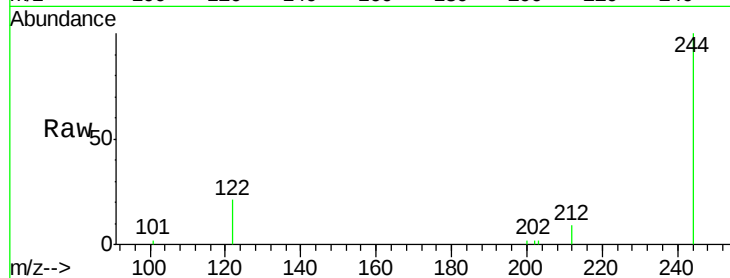
#17
 Terphenyl-d14
 Concen: 0.55 ng
 RT: 15.85 min Scan# 2724
 Delta R.T. 0.01 min
 Lab File: BE089338.D
 Acq: 7 Jan 2015 20:59

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.3	9.5
122	20.5	17.7	26.5

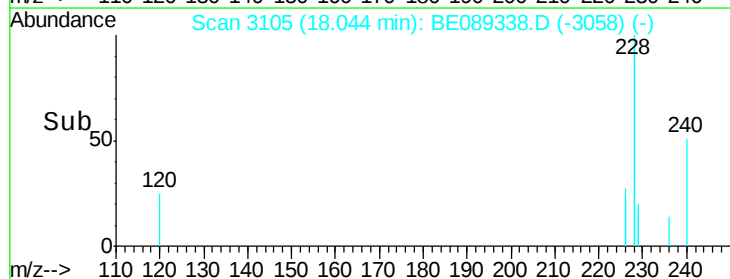
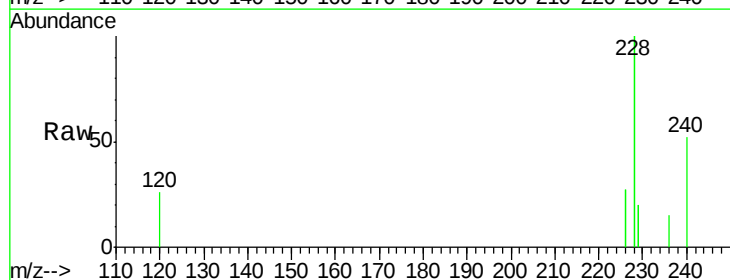
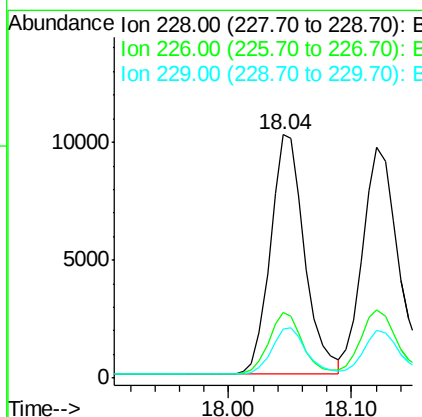
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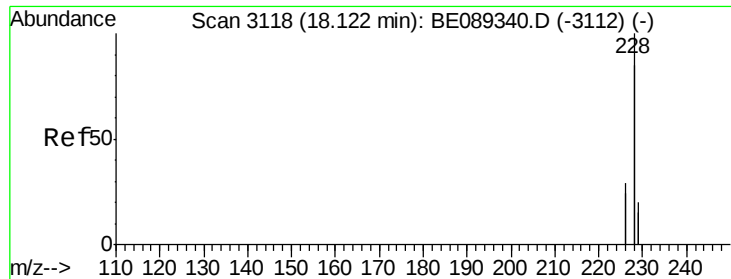
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#18
 Benzo(a)anthracene
 Concen: 0.53 ng
 RT: 18.04 min Scan# 3105
 Delta R.T. -0.00 min
 Lab File: BE089338.D
 Acq: 7 Jan 2015 20:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.0	31.6
229	20.3	16.0	24.0





#19

Chrysene

Concen: 0.55 ng

RT: 18.12 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BE089338.D

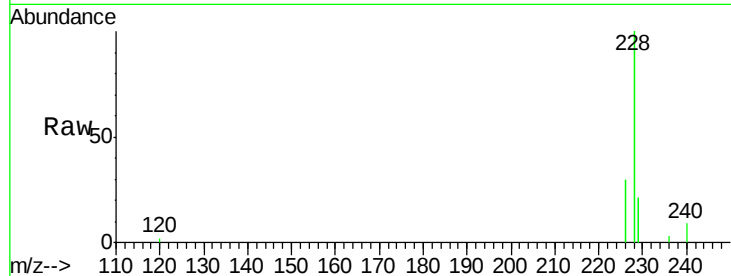
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

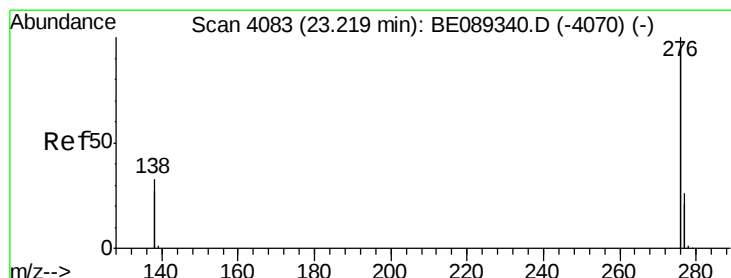
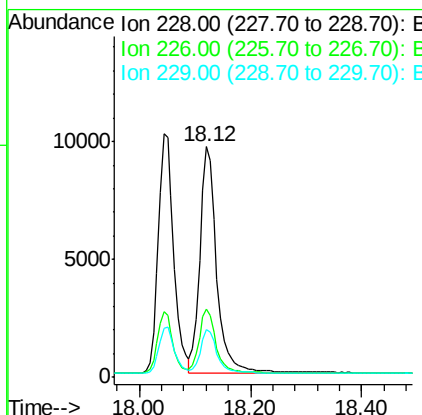
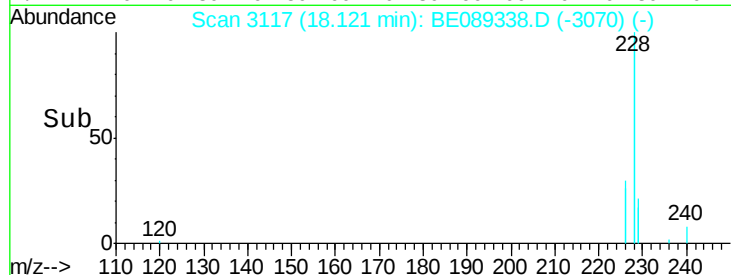
SSTDICC0.5



Tgt Ion:	228	Resp:	20131
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.5	35.3
229	20.7	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 0.53 ng m

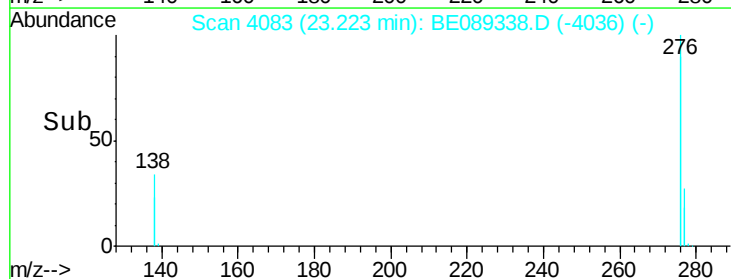
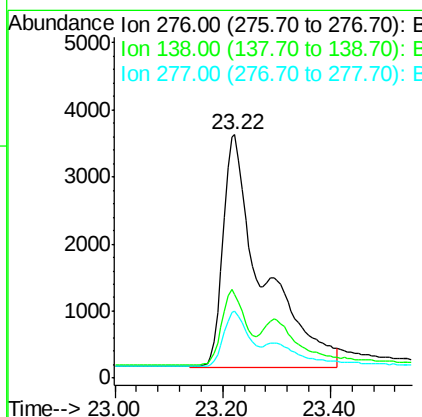
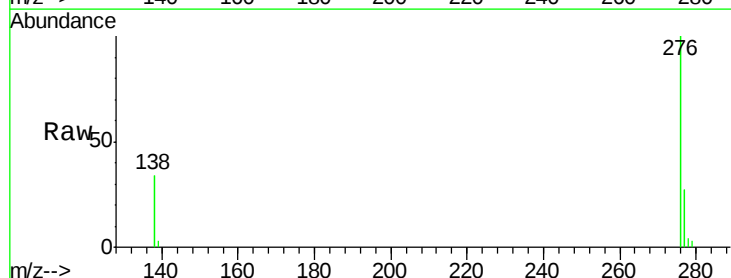
RT: 23.22 min Scan# 4083

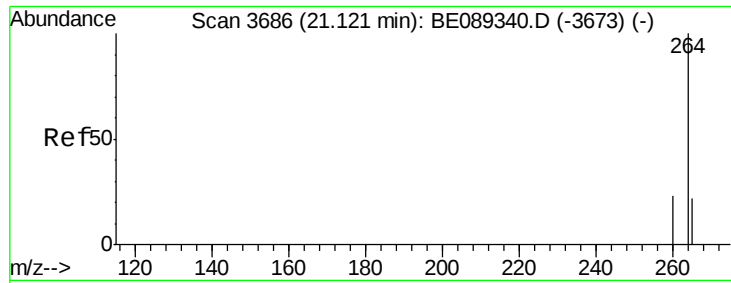
Delta R.T. 0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

Tgt Ion:	276	Resp:	17844
Ion Ratio	Lower	Upper	
276	100		
138	19.8	23.8	35.8#
277	14.8	18.2	27.4#





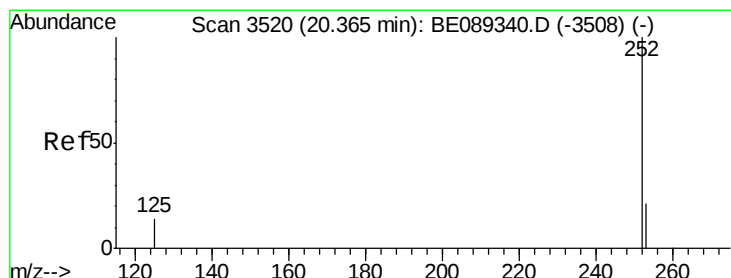
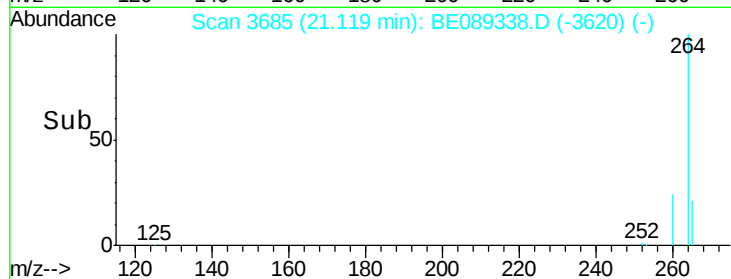
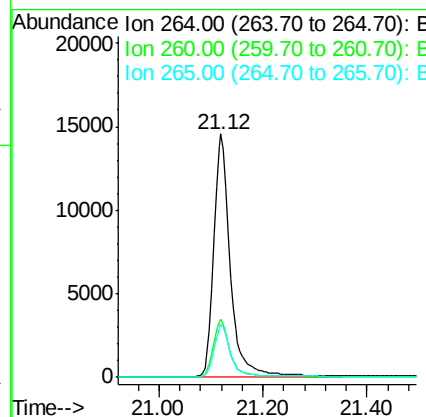
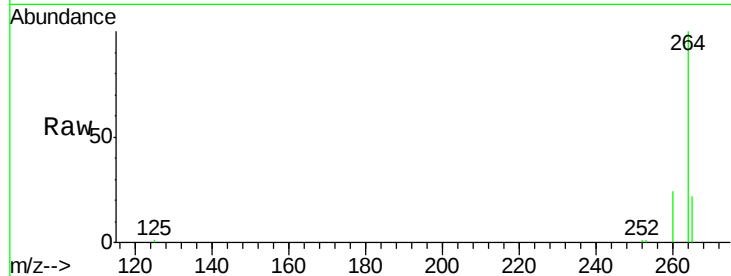
#21
Perylene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 3685
Delta R.T. -0.00 min
Lab File: BE089338.D
Acq: 7 Jan 2015 20:59

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.6	17.4	26.2

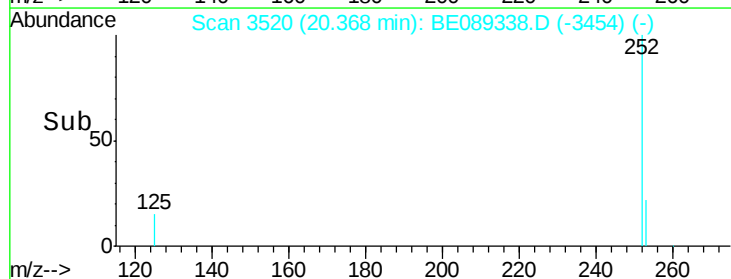
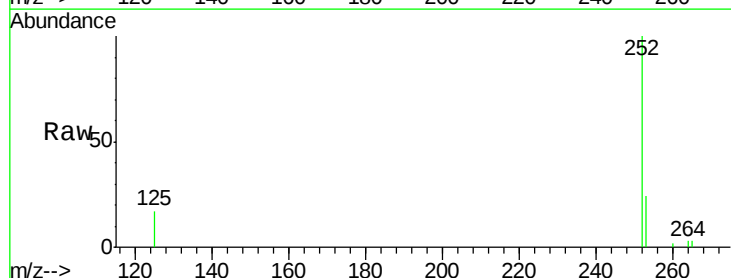
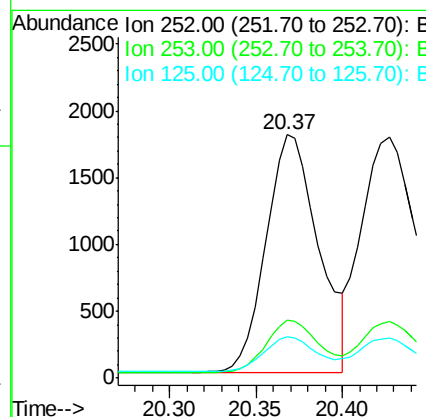
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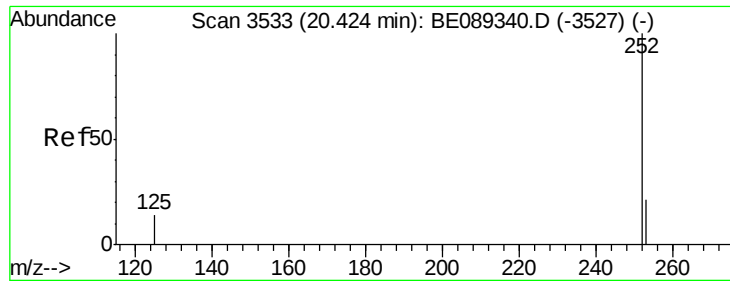
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#22
Benzo(b)fluoranthene
Concen: 0.54 ng
RT: 20.37 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BE089338.D
Acq: 7 Jan 2015 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	17.1	12.6	18.8





#23

Benzo(k)fluoranthene

Concen: 0.55 ng

RT: 20.43 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BE089338.D

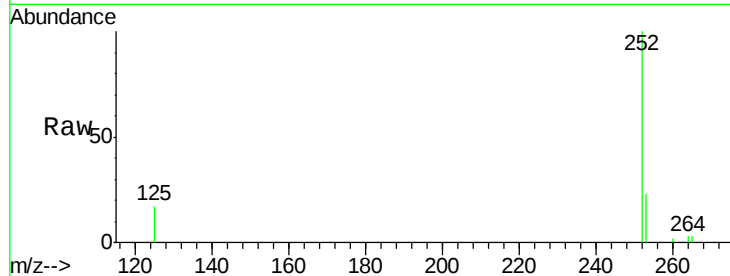
Acq: 7 Jan 2015 20:59

Instrument :

BNA_E

LabSampleId :

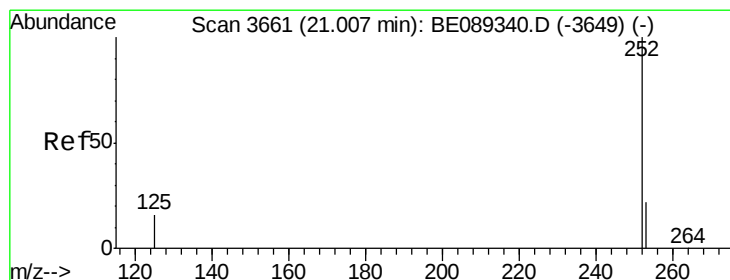
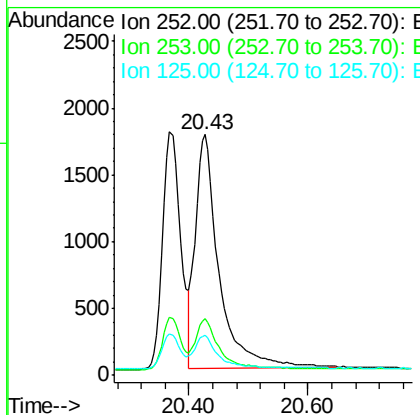
SSTDICC0.5



Tgt Ion:	252	Resp:	4839
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	16.8	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 0.53 ng

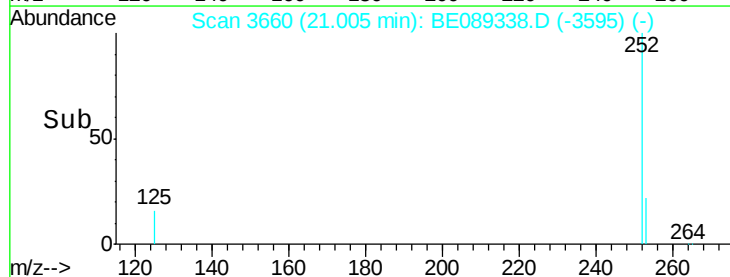
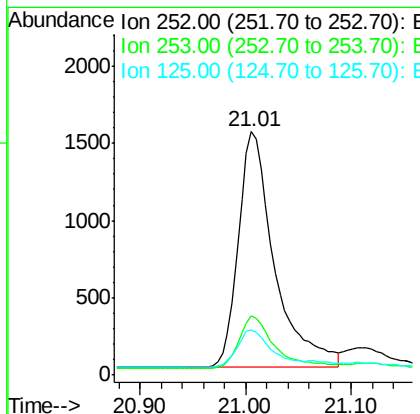
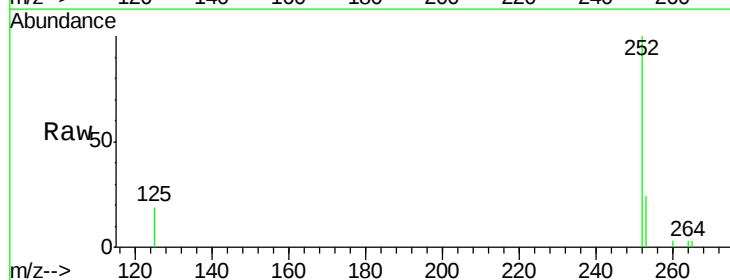
RT: 21.01 min Scan# 3660

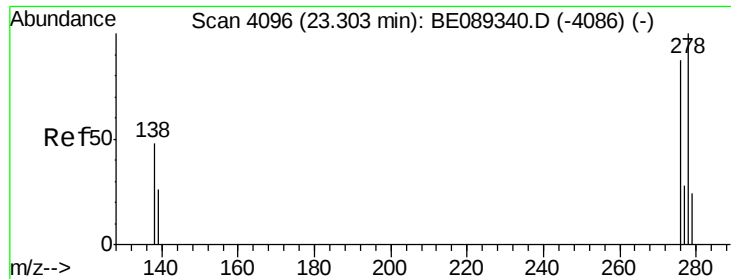
Delta R.T. -0.00 min

Lab File: BE089338.D

Acq: 7 Jan 2015 20:59

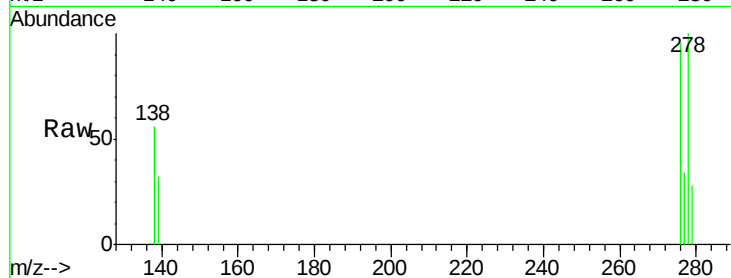
Tgt Ion:	252	Resp:	3640
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.3	27.5
125	18.7	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 0.53 ng
RT: 23.30 min Scan# 4095
Delta R.T. -0.00 min
Lab File: BE089338.D
Acq: 7 Jan 2015 20:59

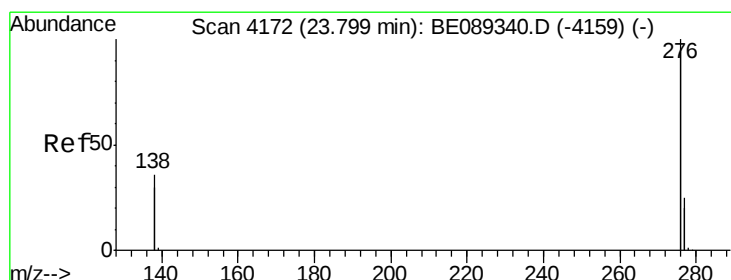
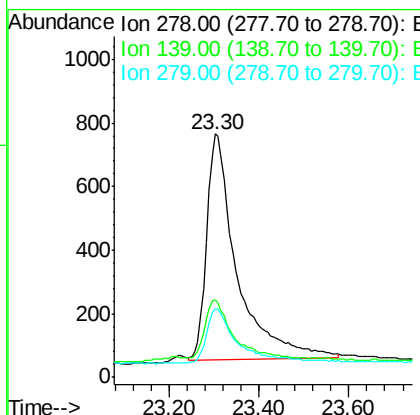
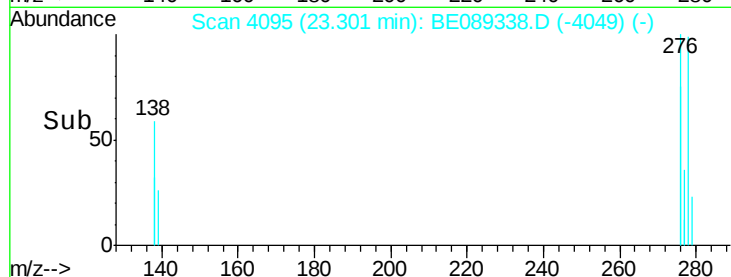
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.6	22.9	34.3
279	28.1	20.8	31.2

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#26
Benzo(g,h,i)perylene
Concen: 0.53 ng
RT: 23.80 min Scan# 4172
Delta R.T. 0.00 min
Lab File: BE089338.D
Acq: 7 Jan 2015 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	20.0	30.0
138	37.8	28.5	42.7

