

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089343.D
 Acq On : 7 Jan 2015 23:46
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

TEJASKUMAR
 1/9/2015 5:21:16 PM

Quant Time: Jan 08 05:49:23 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 05:21:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	16786	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	64004	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	28182	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	44256	5.00	ng	0.00
15) Chrysene-d12	18.07	240	34084	5.00	ng	0.00
21) Perylene-d12	21.12	264	31179	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	46523	11.53	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	71486	9.75	ng	0.00
17) Terphenyl-d14	15.85	244	56623	11.25	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	132206	10.30	ng	99
5) 2-Methylnaphthalene	9.39	142	82279	10.72	ng	97
8) Acenaphthylene	10.48	152	467431	11.71	ng	# 94
9) Acenaphthene	10.69	154	65765	10.61	ng	# 75
10) Fluorene	11.34	166	74678	11.03	ng	100
12) Phenanthrene	12.75	178	421079	10.28	ng	100
13) Anthracene	12.84	178	430395	11.49	ng	100
14) Fluoranthene	14.96	202	100834	11.44	ng	98
16) Pyrene	15.41	202	106590	12.78	ng	99
18) Benzo(a)anthracene	18.05	228	339598	12.08	ng	99
19) Chrysene	18.13	228	328203	11.25	ng	98
20) Indeno(1,2,3-cd)pyrene	23.22	276	349435m	12.47	ng	
22) Benzo(b)fluoranthene	20.37	252	73328	11.84	ng	98
23) Benzo(k)fluoranthene	20.42	252	83452	10.46	ng	98
24) Benzo(a)pyrene	21.01	252	74690	12.72	ng	97
25) Dibenzo(a,h)anthracene	23.30	278	68776	11.13	ng	95
26) Benzo(g,h,i)perylene	23.80	276	322505	11.56	ng	98

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

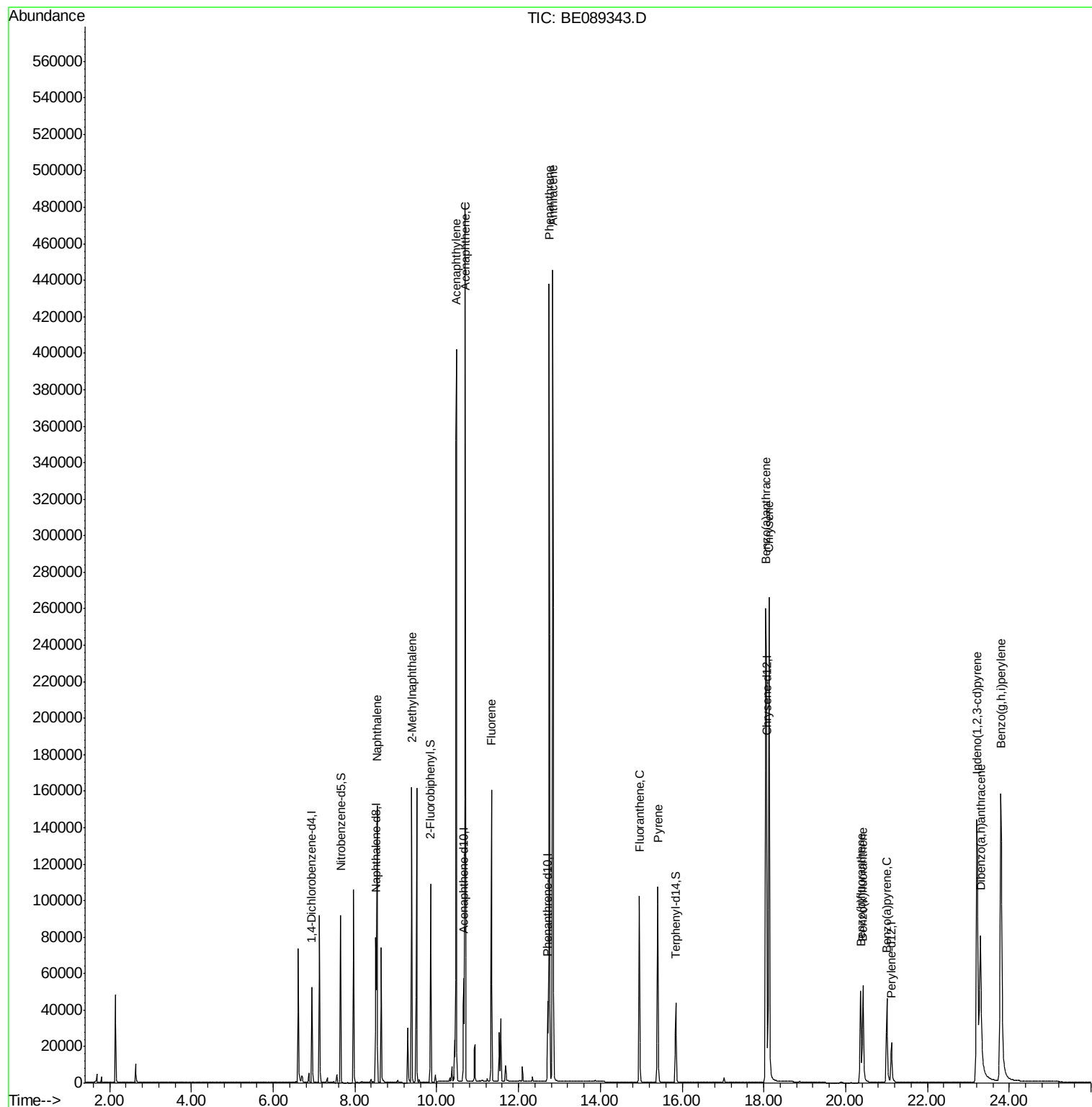
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
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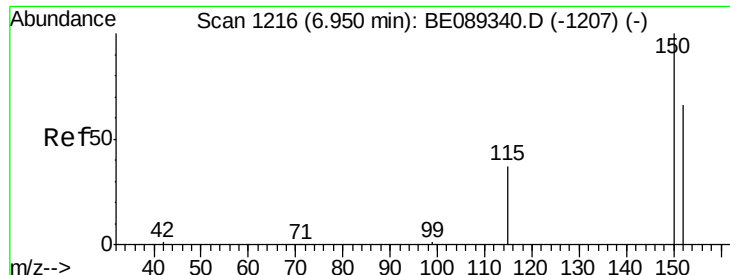
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BE089343.D

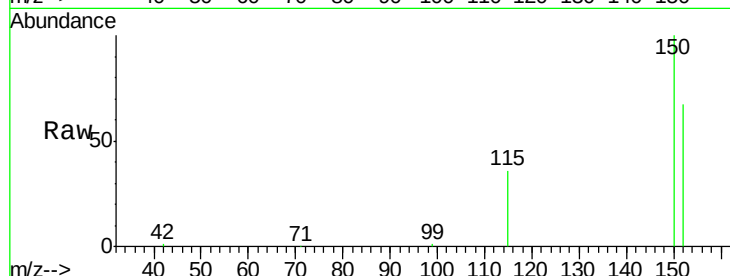
Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDICC010



Tgt Ion:152 Resp: 16786

Ion Ratio Lower Upper

152 100

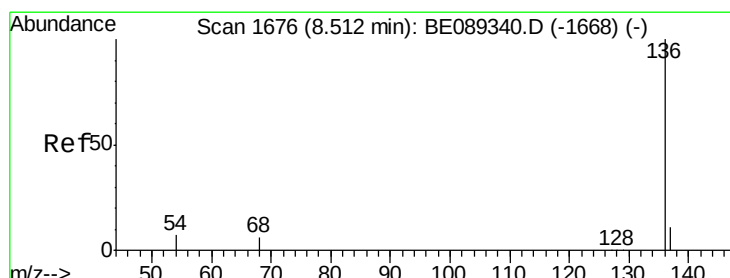
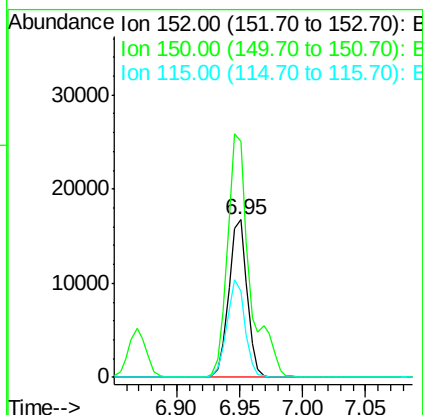
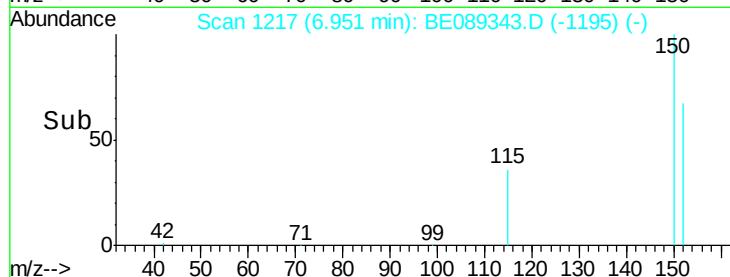
150 149.8 121.5 182.3

115 54.5 45.2 67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Tgt Ion:136 Resp: 64004

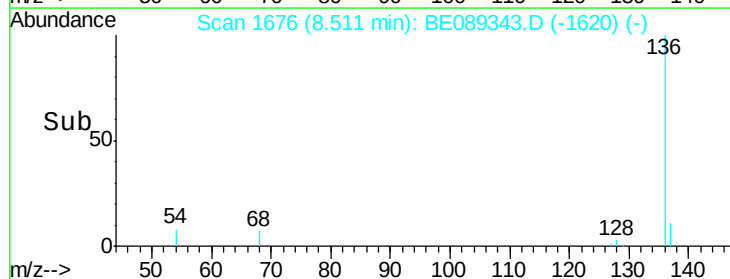
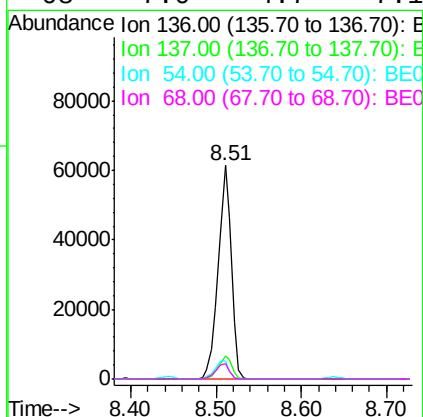
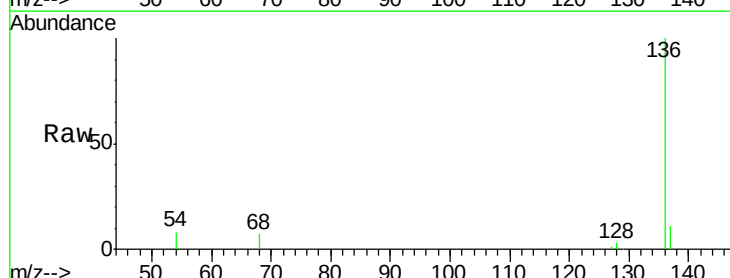
Ion Ratio Lower Upper

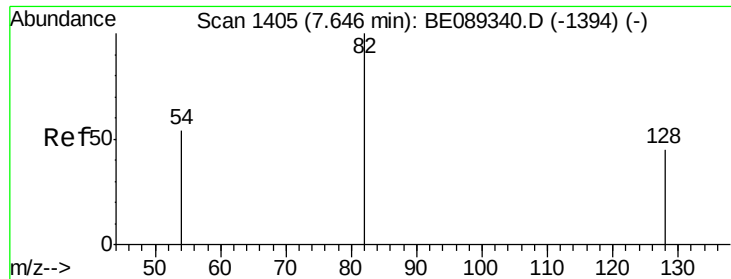
136 100

137 10.8 9.0 13.4

54 8.2 5.4 8.0#

68 7.0 4.7 7.1





#3

Nitrobenzene-d5

Concen: 11.53 ng

RT: 7.65 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

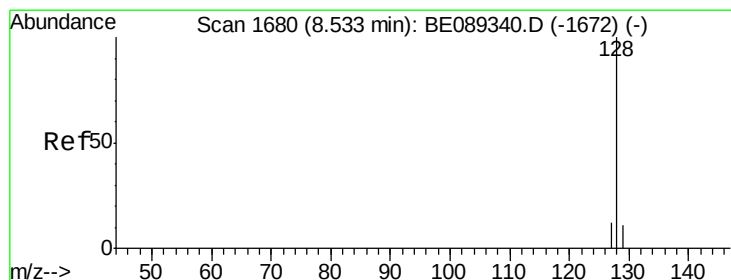
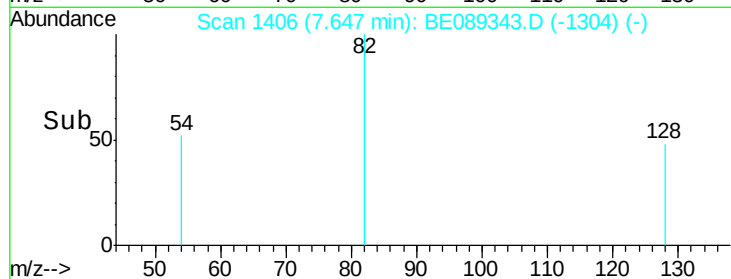
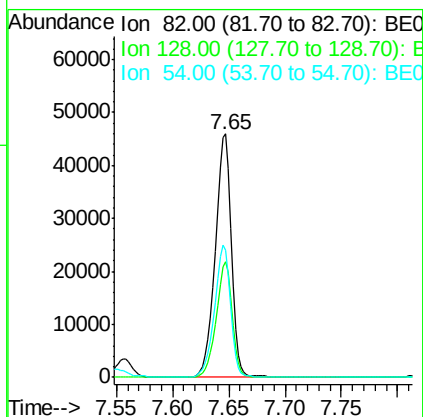
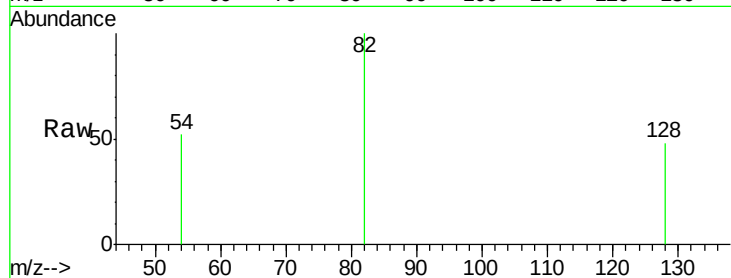
LabSampleId :

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Tgt Ion:	82	Resp:	46523
Ion Ratio	Lower	Upper	
82	100		
128	47.6	36.5	54.7
54	52.2	43.5	65.3



#4

Naphthalene

Concen: 10.30 ng

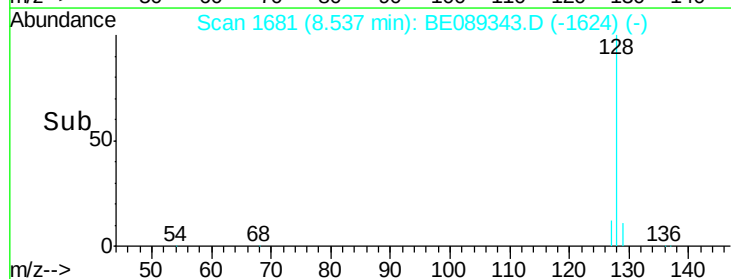
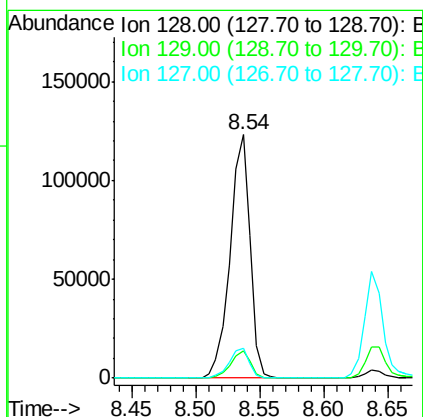
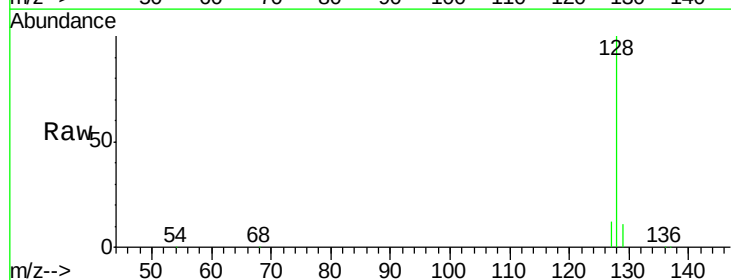
RT: 8.54 min Scan# 1681

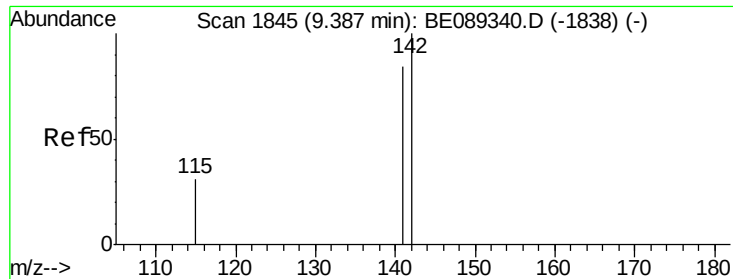
Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Tgt Ion:	128	Resp:	132206
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	12.1	10.0	15.0





#5

2-Methylnaphthalene

Concen: 10.72 ng

RT: 9.39 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BE089343.D

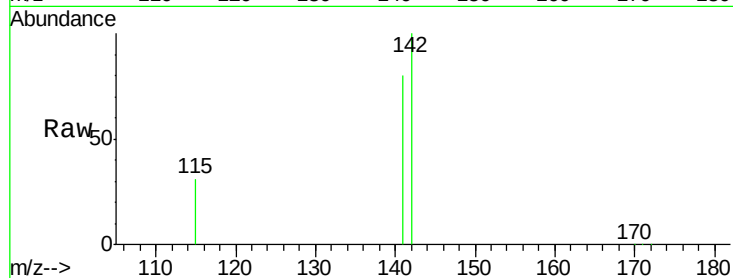
Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

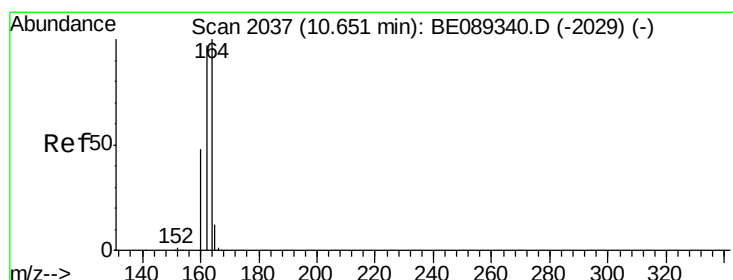
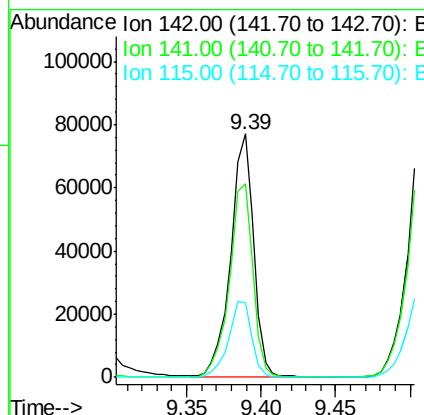
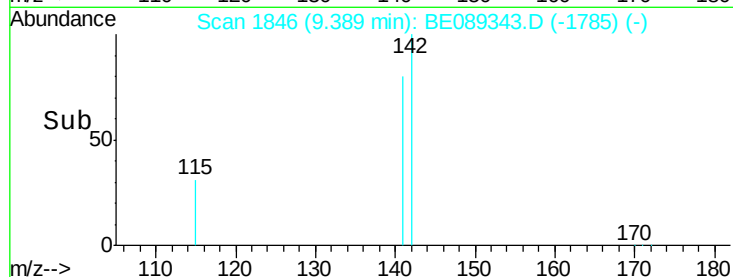
SSTDICC010



Tgt Ion:	142	Resp:	82279
Ion Ratio	Lower	Upper	
142	100		
141	79.7	66.3	99.5
115	30.5	25.2	37.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

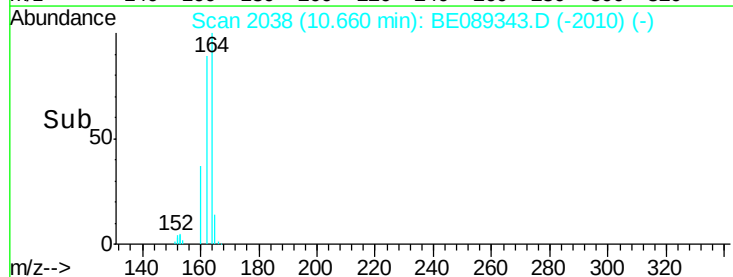
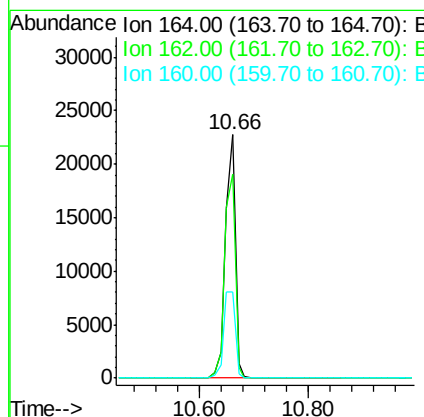
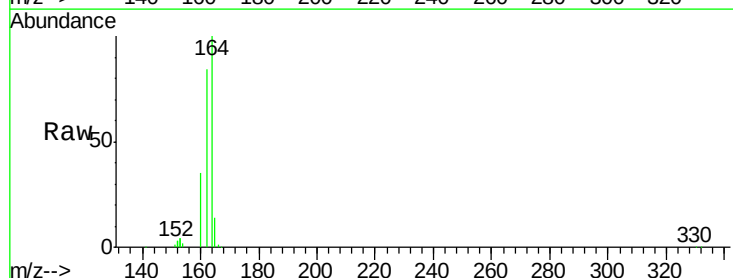
RT: 10.66 min Scan# 2038

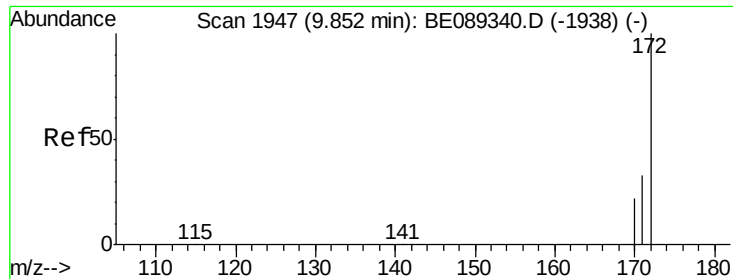
Delta R.T. 0.01 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Tgt Ion:	164	Resp:	28182
Ion Ratio	Lower	Upper	
164	100		
162	84.0	77.4	116.2
160	35.1	38.2	57.4#





#7

2-Fluorobiphenyl

Concen: 9.75 ng

RT: 9.85 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE089343.D

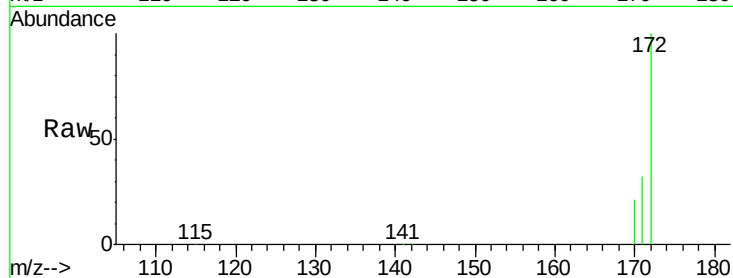
Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

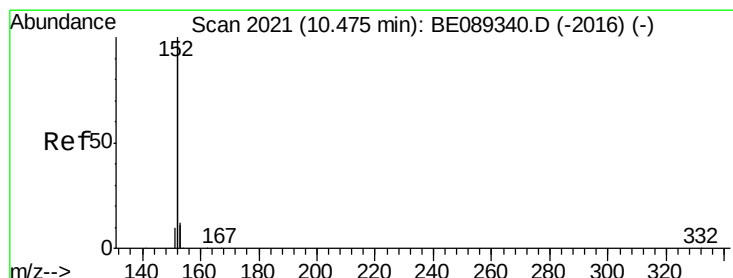
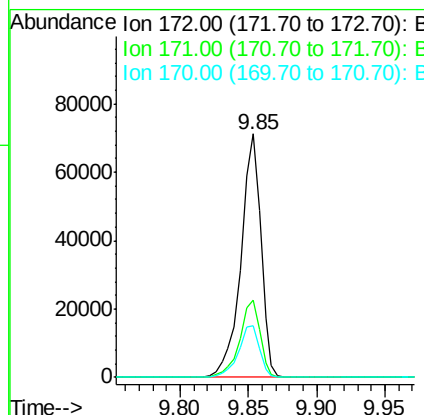
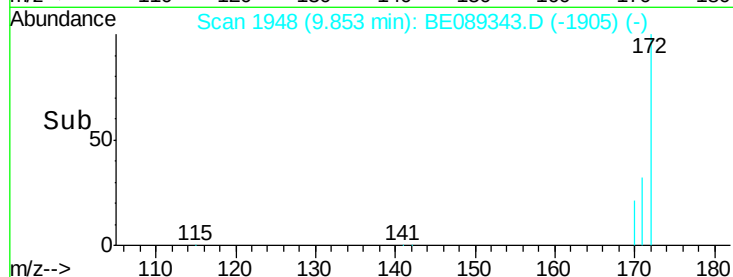
SSTDIC010



Tgt Ion:	172	Resp:	71486
Ion Ratio	Lower	Upper	
172	100		
171	31.8	26.4	39.6
170	21.0	18.0	27.0

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#8

Acenaphthylene

Concen: 11.71 ng

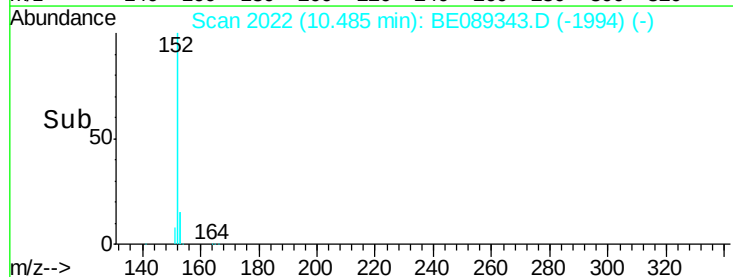
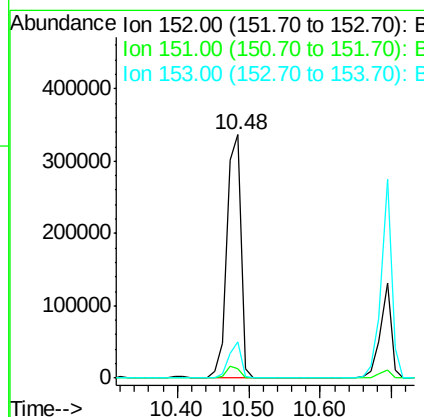
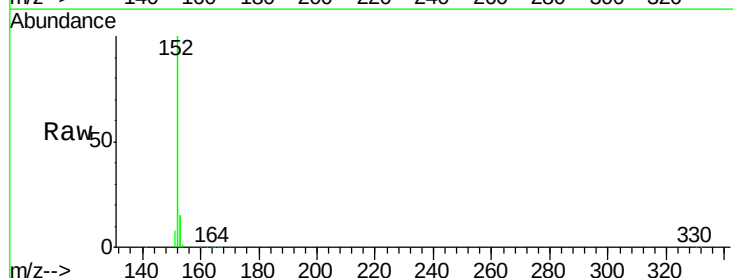
RT: 10.48 min Scan# 2022

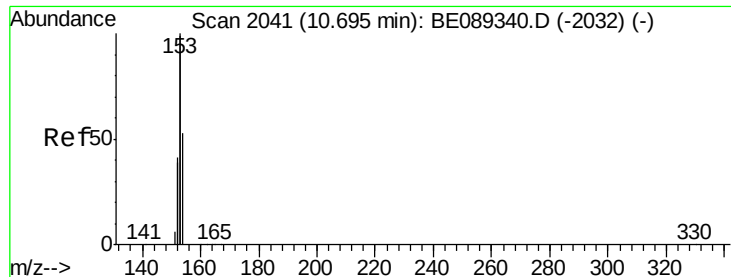
Delta R.T. 0.01 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Tgt Ion:	152	Resp:	467431
Ion Ratio	Lower	Upper	
152	100		
151	4.0	4.1	6.1#
153	15.0	9.8	14.6#





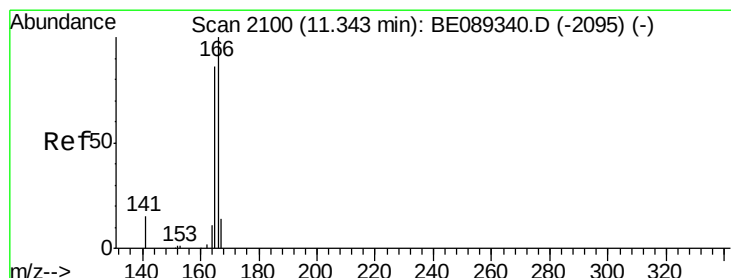
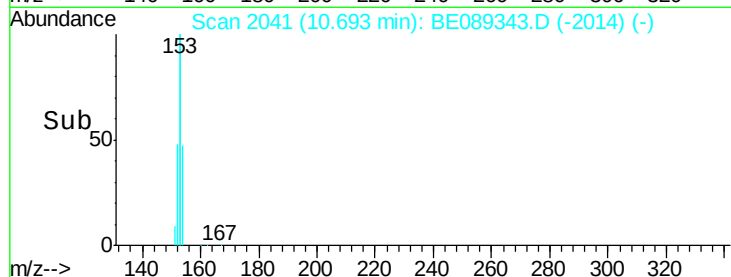
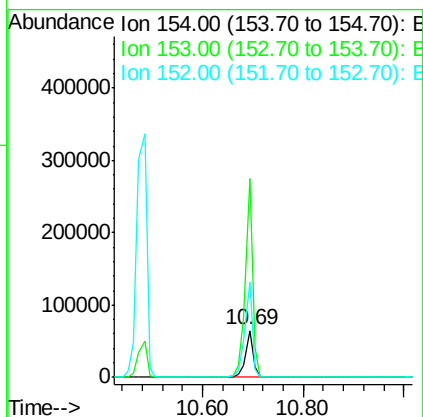
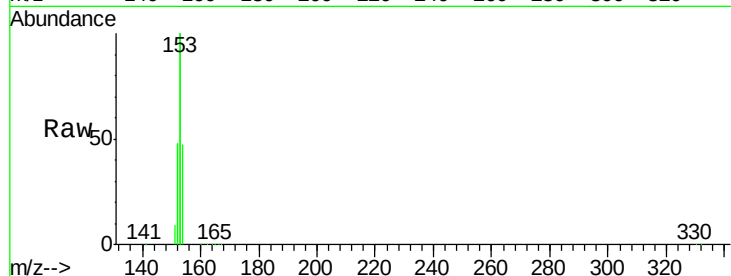
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Acenaphthene
Concen: 10.61 ng
RT: 10.69 min Scan# 2041
Delta R.T. -0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

Instrument :
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LabSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	421.7	300.6	450.8
152	200.9	123.3	184.9

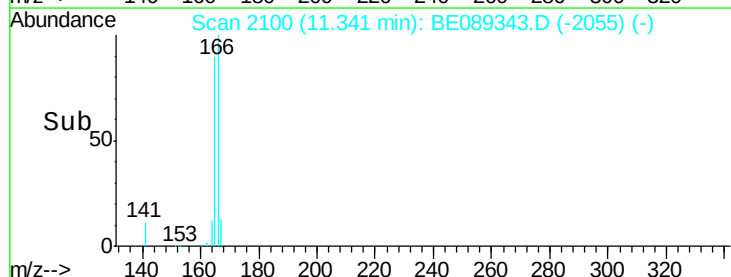
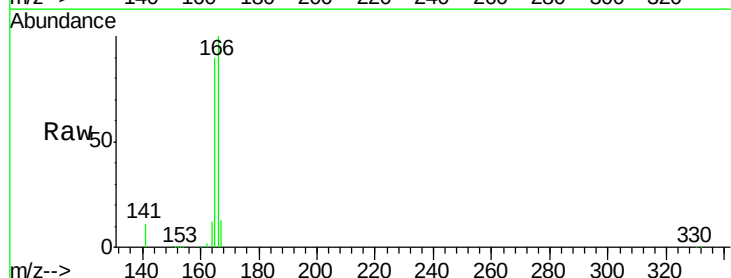
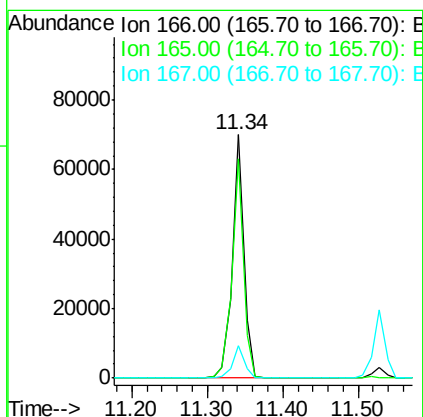
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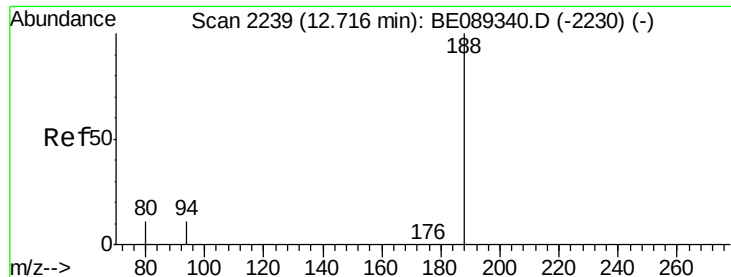
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#10
Fluorene
Concen: 11.03 ng
RT: 11.34 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.2	72.1	108.1
167	13.5	11.0	16.4





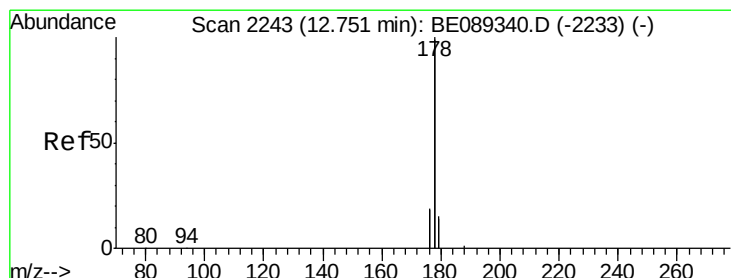
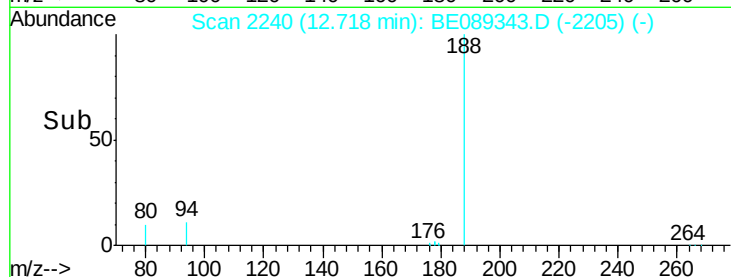
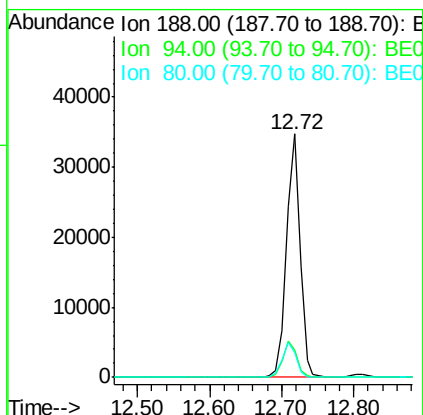
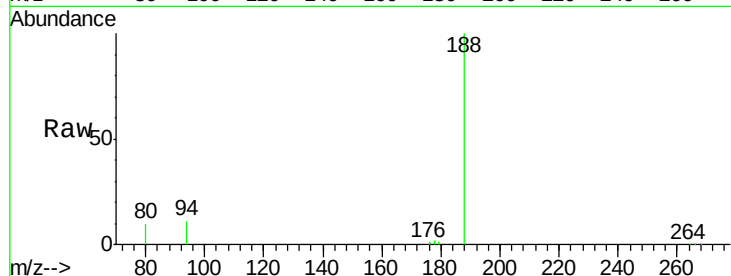
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

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Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	11.0	12.2
80	10.3	10.1	11.1

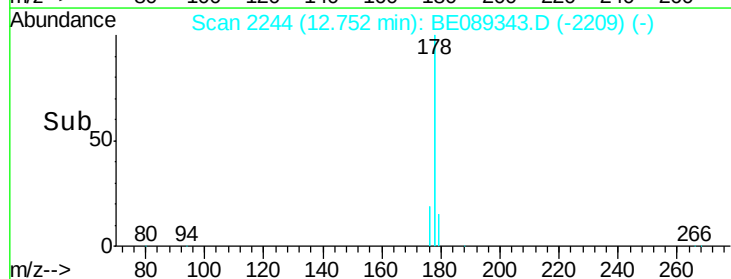
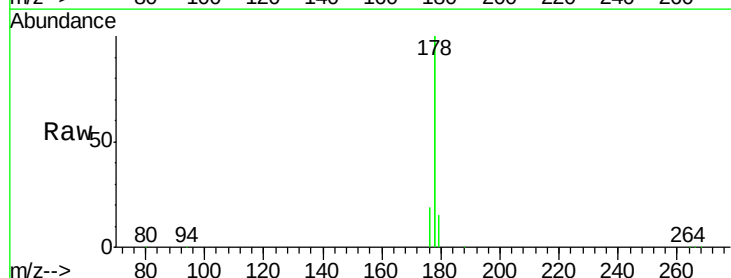
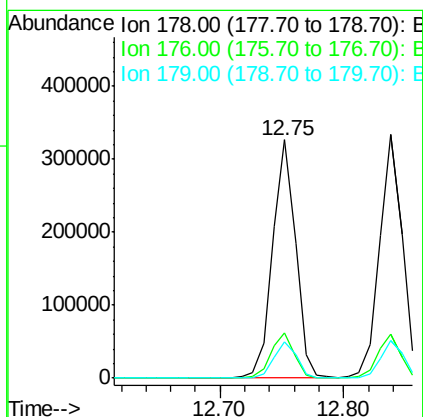
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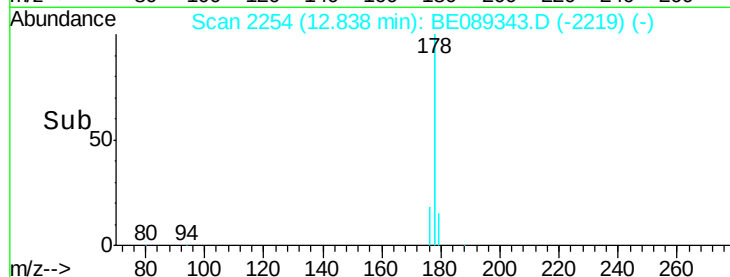
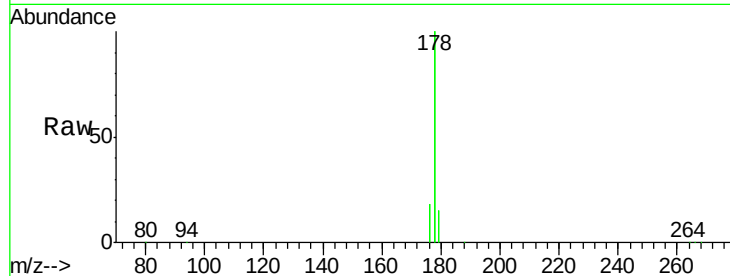
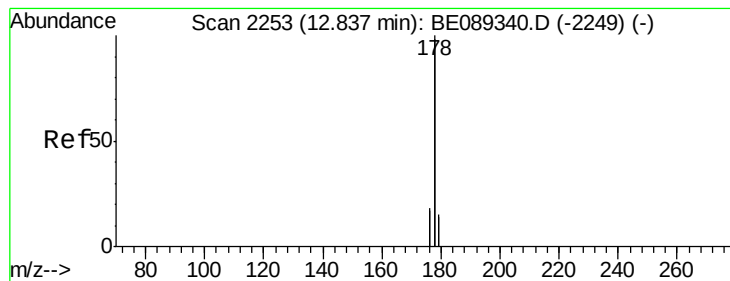
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#12
Phenanthrene
Concen: 10.28 ng
RT: 12.75 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BE089343.D
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.2	12.2	18.2





#13

Anthracene

Concen: 11.49 ng

RT: 12.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Tgt Ion:	178	Resp:	430395
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.7	22.1
179	15.2	12.0	18.0

Instrument :

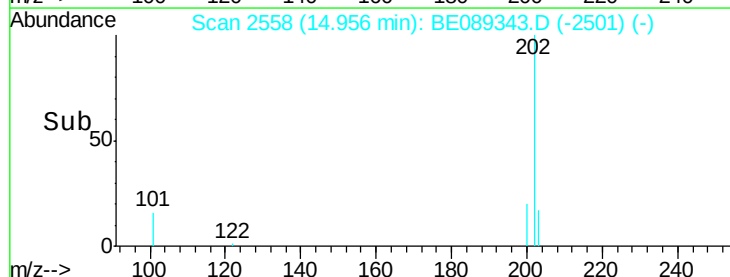
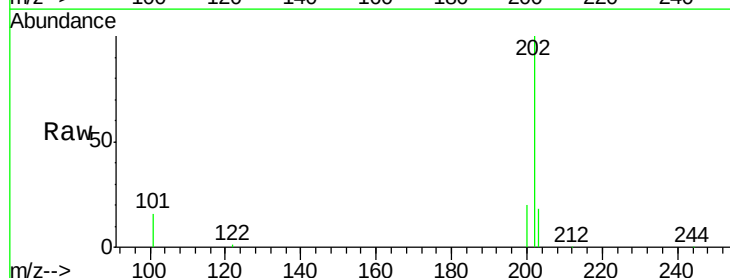
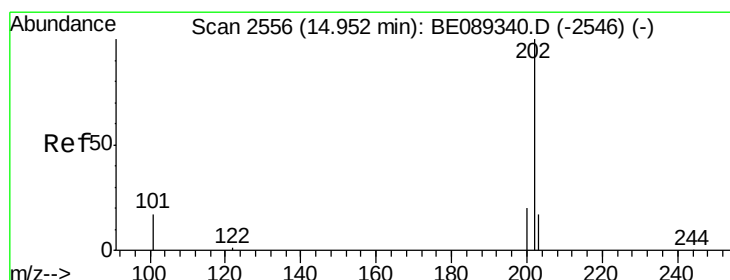
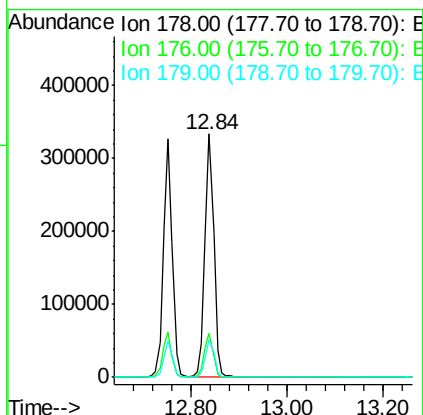
BNA_E

LabSampleId :

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#14

Fluoranthene

Concen: 11.44 ng

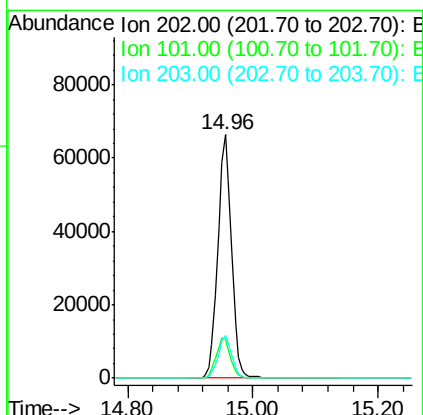
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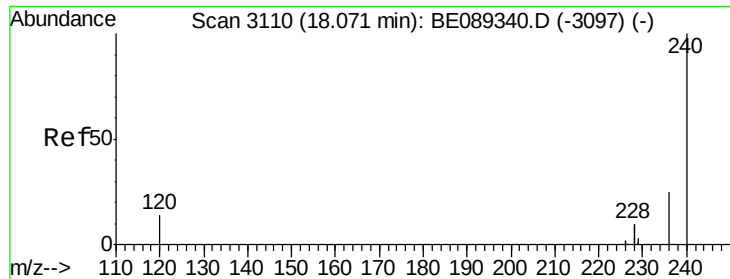
Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

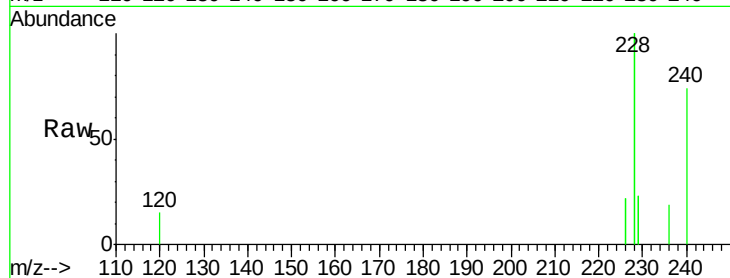
Tgt Ion:	202	Resp:	100834
Ion Ratio	Lower	Upper	
202	100		
101	16.2	0.0	37.9
203	17.5	0.0	37.5





#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

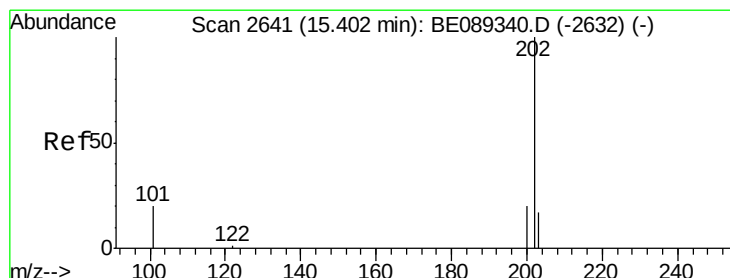
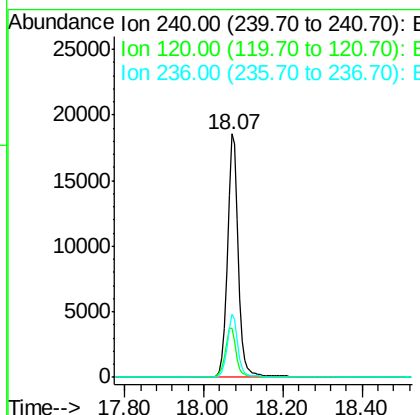
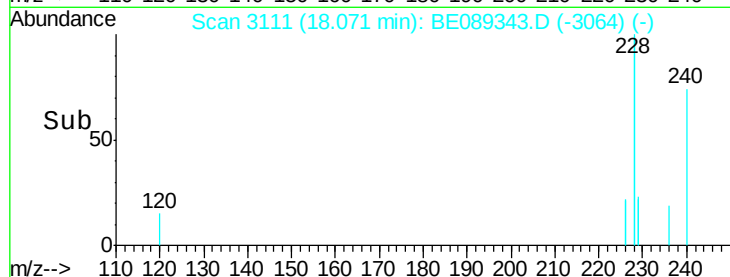
Instrument :
BNA_E
LabSampleId :
SSTDIC010



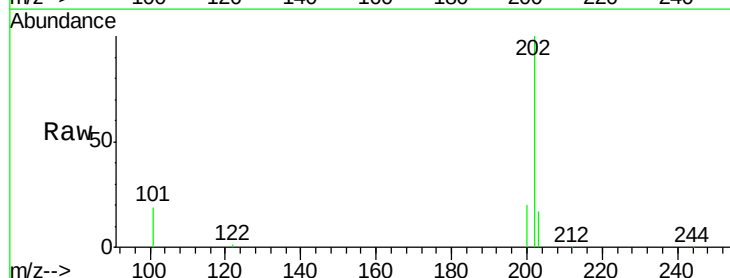
Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.1	11.8	17.6#
236	26.1	20.0	30.0

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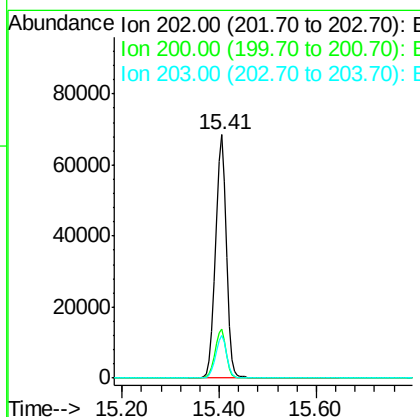
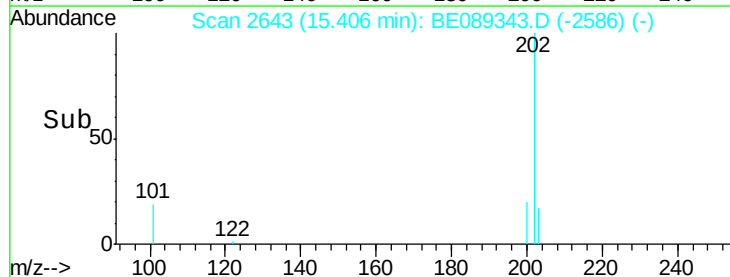
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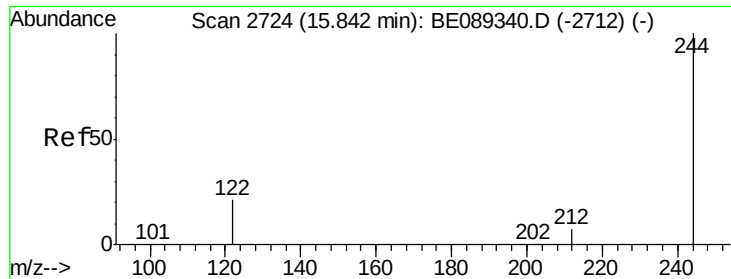


#16
Pyrene
Concen: 12.78 ng
RT: 15.41 min Scan# 2643
Delta R.T. 0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46



Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	17.4	14.0	21.0





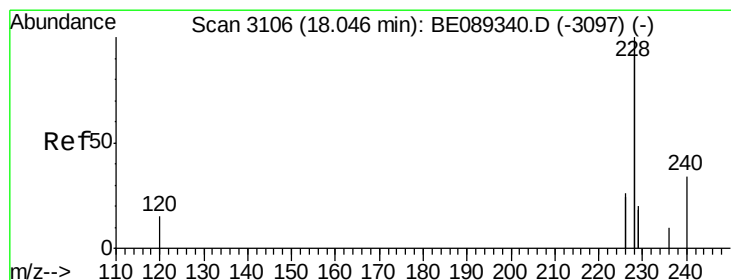
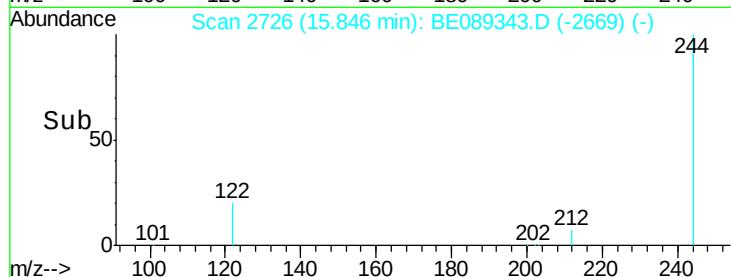
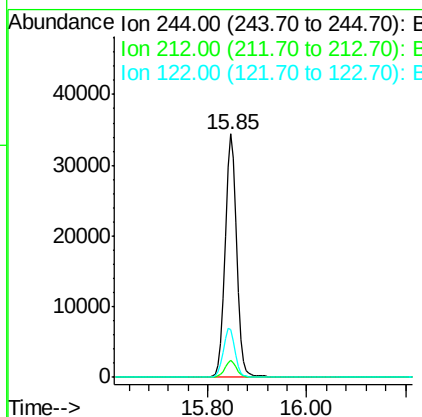
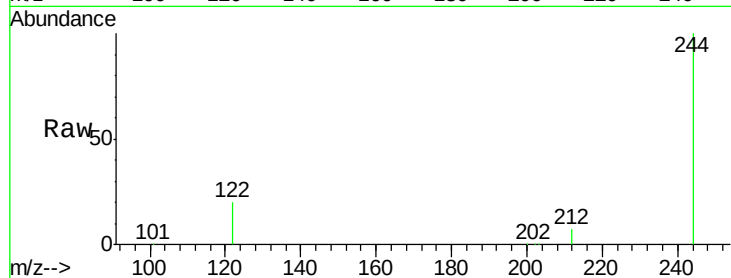
#17
 Terphenyl-d14
 Concen: 11.25 ng
 RT: 15.85 min Scan# 2726
 Delta R.T. 0.00 min
 Lab File: BE089343.D
 Acq: 7 Jan 2015 23:46

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	19.8	17.7	26.5

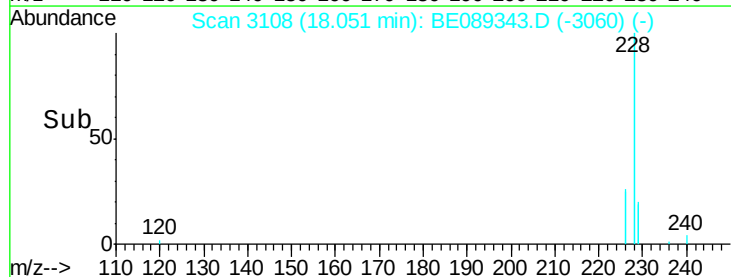
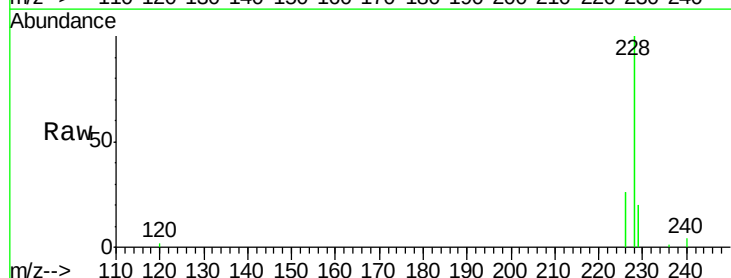
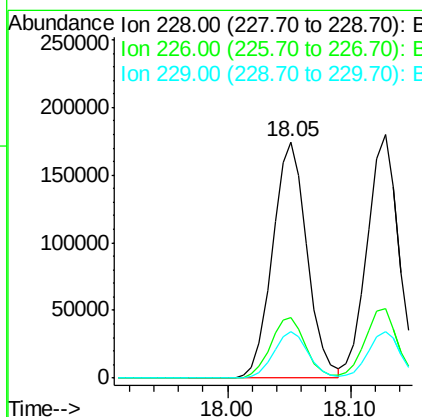
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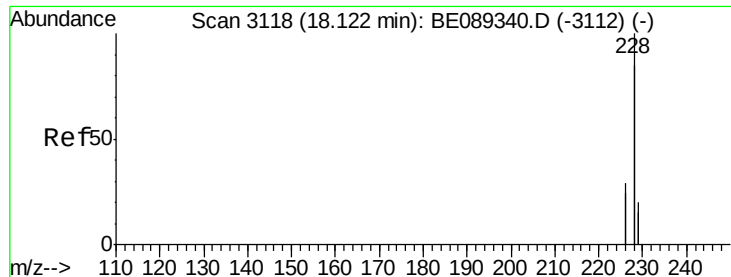
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#18
 Benzo(a)anthracene
 Concen: 12.08 ng
 RT: 18.05 min Scan# 3108
 Delta R.T. 0.01 min
 Lab File: BE089343.D
 Acq: 7 Jan 2015 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.0	31.6
229	19.7	16.0	24.0





#19

Chrysene

Concen: 11.25 ng

RT: 18.13 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

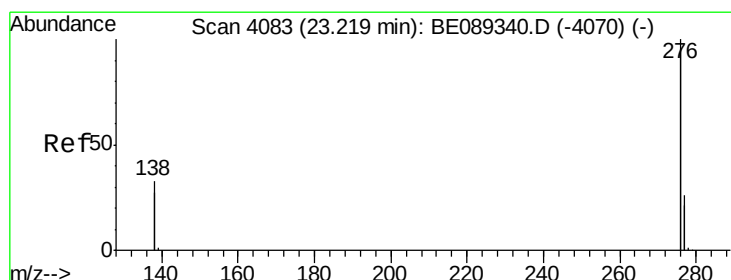
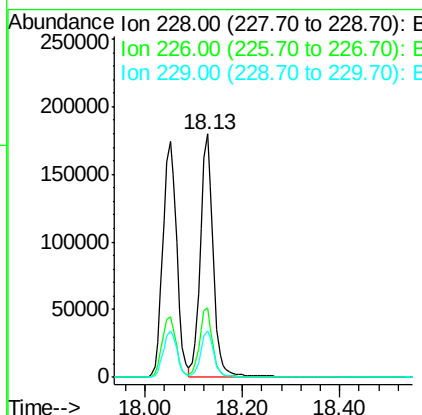
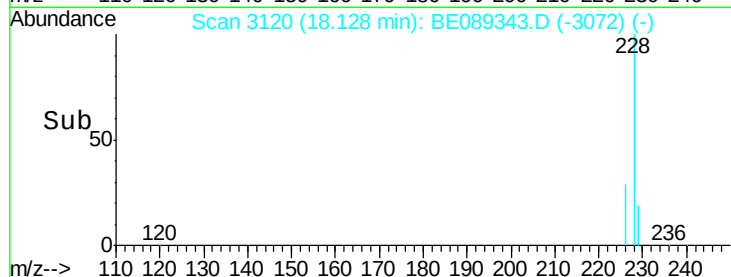
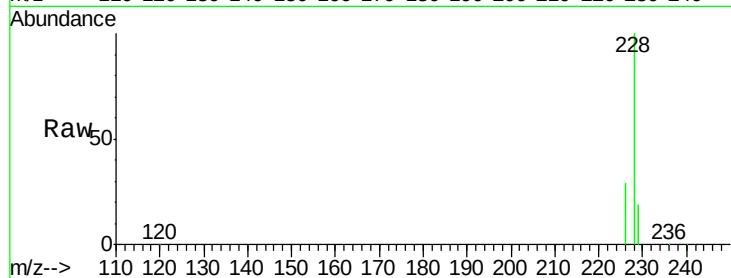
LabSampleId :

SSTDIC010

Tgt Ion:	228	Resp:	328203
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.5	35.3
229	19.3	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 12.47 ng m

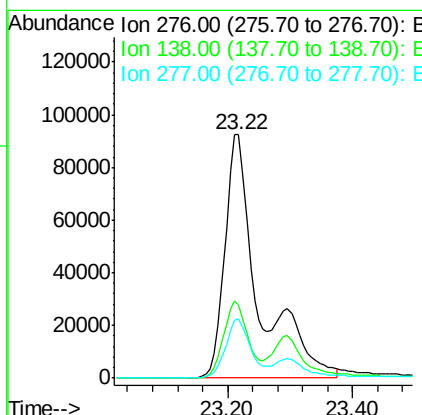
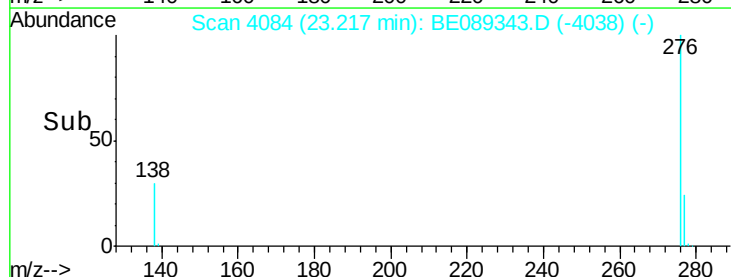
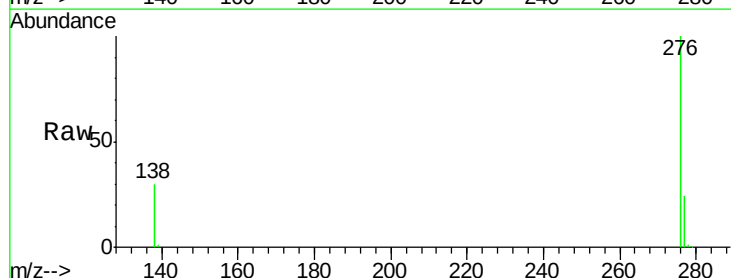
RT: 23.22 min Scan# 4084

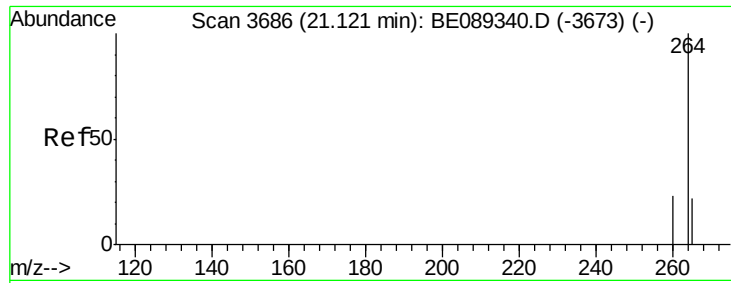
Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

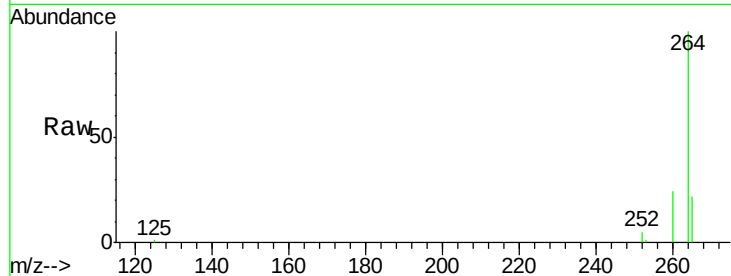
Tgt Ion:	276	Resp:	349435
Ion Ratio	Lower	Upper	
276	100		
138	22.7	23.8	35.8#
277	17.5	18.2	27.4#





#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: BE089343.D
 Acq: 7 Jan 2015 23:46

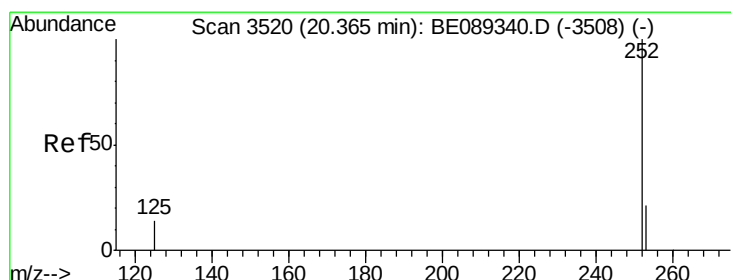
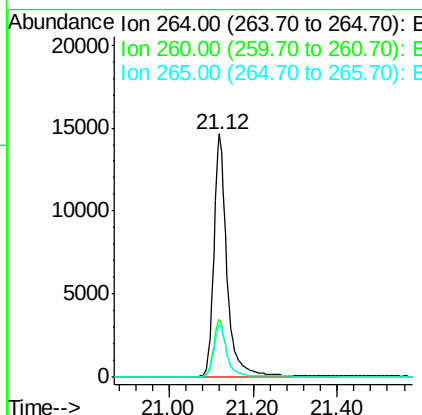
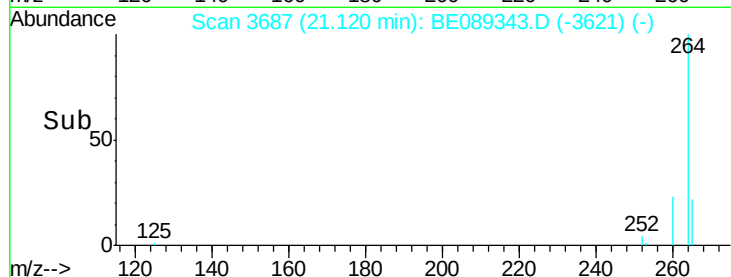
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010



Tgt Ion: 264 Resp: 31179
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.9 17.4 26.2

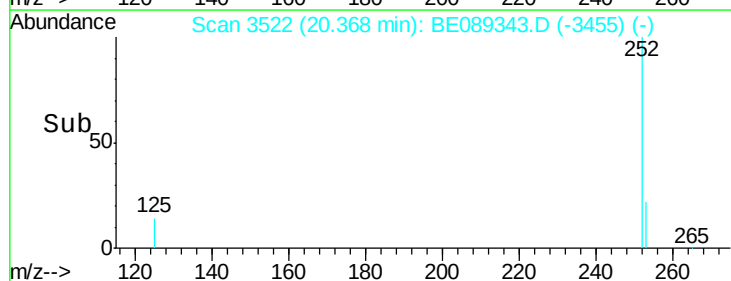
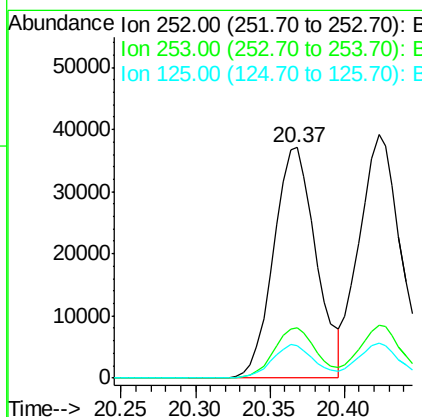
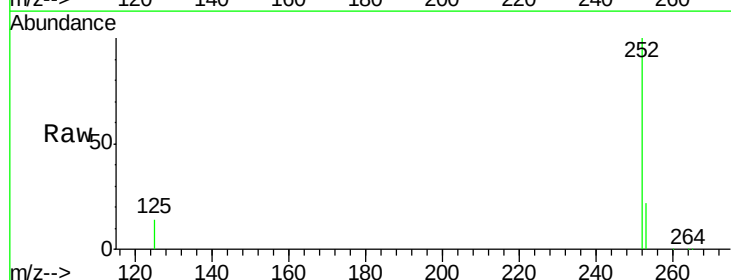
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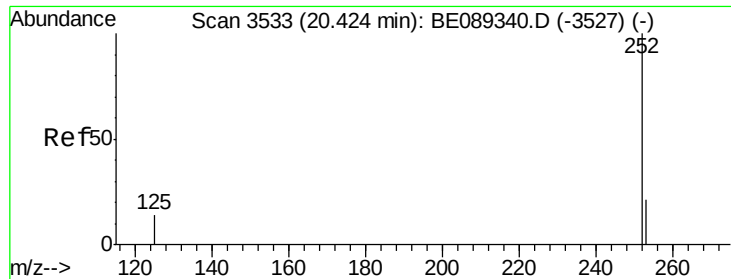
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#22
Benzo(b)fluoranthene
 Concen: 11.84 ng
 RT: 20.37 min Scan# 3522
 Delta R.T. 0.00 min
 Lab File: BE089343.D
 Acq: 7 Jan 2015 23:46

Tgt Ion: 252 Resp: 73328
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.8 26.6
 125 14.0 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 10.46 ng

RT: 20.42 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BE089343.D

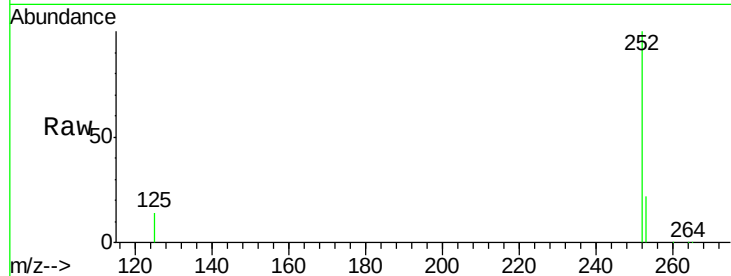
Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

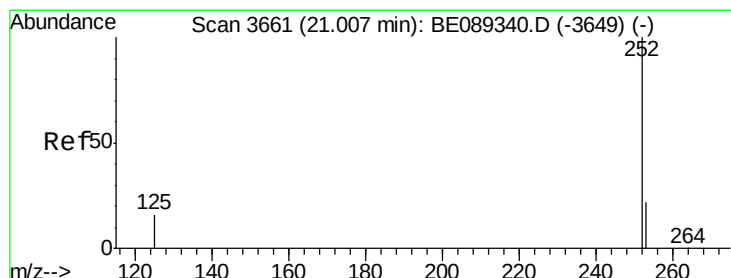
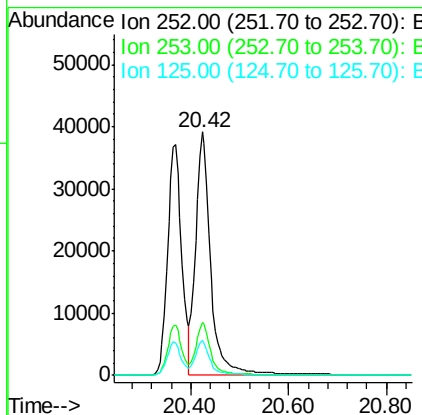
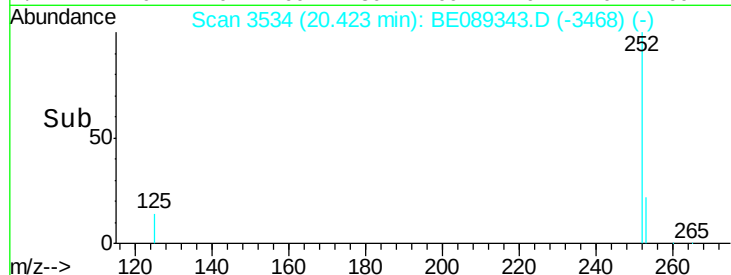
SSTDICC010



Tgt Ion:	252	Resp:	83452
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.0	27.0
125	14.2	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 12.72 ng

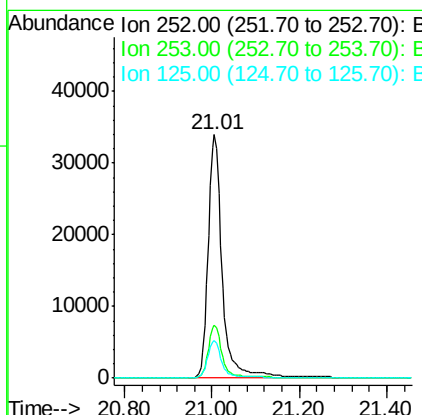
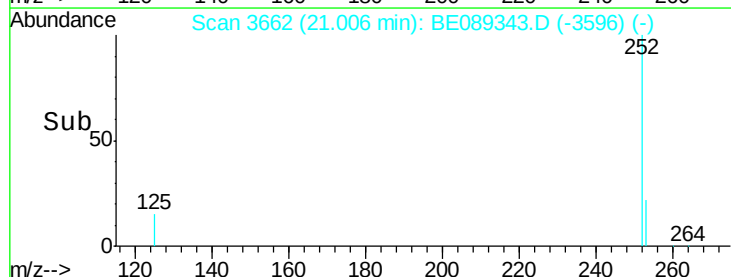
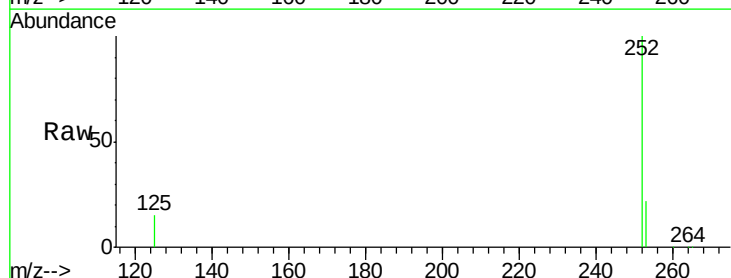
RT: 21.01 min Scan# 3662

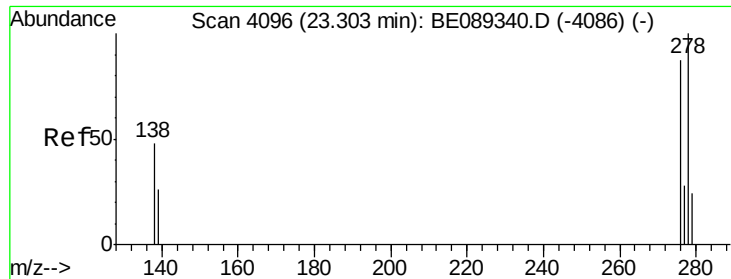
Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

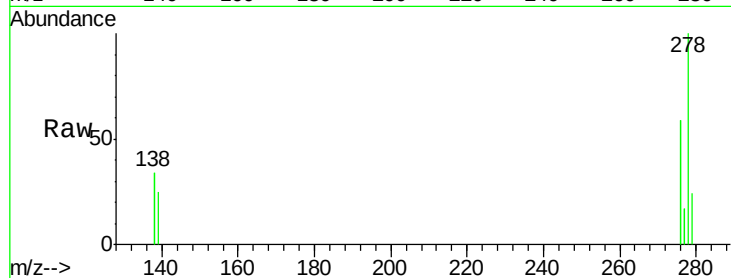
Tgt Ion:	252	Resp:	74690
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.3	27.5
125	15.5	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 11.13 ng
RT: 23.30 min Scan# 4097
Delta R.T. -0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

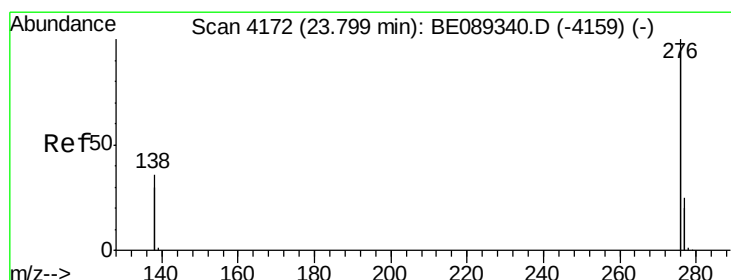
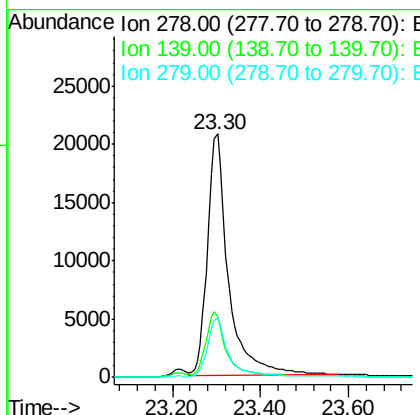
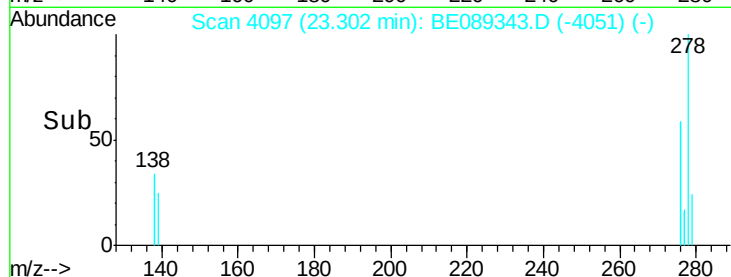
Instrument :
BNA_E
LabSampleId :
SSTDICC010



Tgt Ion: 278 Resp: 68776
Ion Ratio Lower Upper
278 100
139 24.8 22.9 34.3
279 24.2 20.8 31.2

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#26
Benzo(g,h,i)perylene
Concen: 11.56 ng
RT: 23.80 min Scan# 4173
Delta R.T. -0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

Tgt Ion: 276 Resp: 322505
Ion Ratio Lower Upper
276 100
277 23.2 20.0 30.0
138 34.7 28.5 42.7

