

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089340.D
 Acq On : 7 Jan 2015 22:05
 Operator : TP/IZ
 Sample : SSTDICC001
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Manual Integrations
 APPROVED

TEJASKUMAR
 1/9/2015 5:21:23 PM

Quant Time: Jan 08 05:45:25 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	17060	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	65014	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	29882	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	45368	5.00	ng	0.00
15) Chrysene-d12	18.07	240	34829	5.00	ng	0.00
21) Perylene-d12	21.12	264	32358	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	4713	1.15	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	8419	1.08	ng	0.00
17) Terphenyl-d14	15.84	244	6081	1.18	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	15147	1.16	ng	100
5) 2-Methylnaphthalene	9.39	142	9409	1.21	ng	100
8) Acenaphthylene	10.48	152	53092	1.25	ng	100
9) Acenaphthene	10.69	154	8035	1.22	ng	100
10) Fluorene	11.34	166	8607	1.20	ng	100
12) Phenanthrene	12.75	178	48220	1.15	ng	100
13) Anthracene	12.84	178	47322	1.23	ng	100
14) Fluoranthene	14.95	202	10780	1.19	ng	100
16) Pyrene	15.40	202	11442	1.34	ng	100
18) Benzo(a)anthracene	18.05	228	35136	1.22	ng	100
19) Chrysene	18.12	228	36781	1.23	ng	100
20) Indeno(1,2,3-cd)pyrene	23.22	276	37470m	1.31	ng	
22) Benzo(b)fluoranthene	20.37	252	7252	1.13	ng	100
23) Benzo(k)fluoranthene	20.42	252	9270	1.12	ng	100
24) Benzo(a)pyrene	21.01	252	7066	1.16	ng	100
25) Dibenzo(a,h)anthracene	23.30	278	6644	1.04	ng	100
26) Benzo(g,h,i)perylene	23.80	276	33099	1.14	ng	100

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

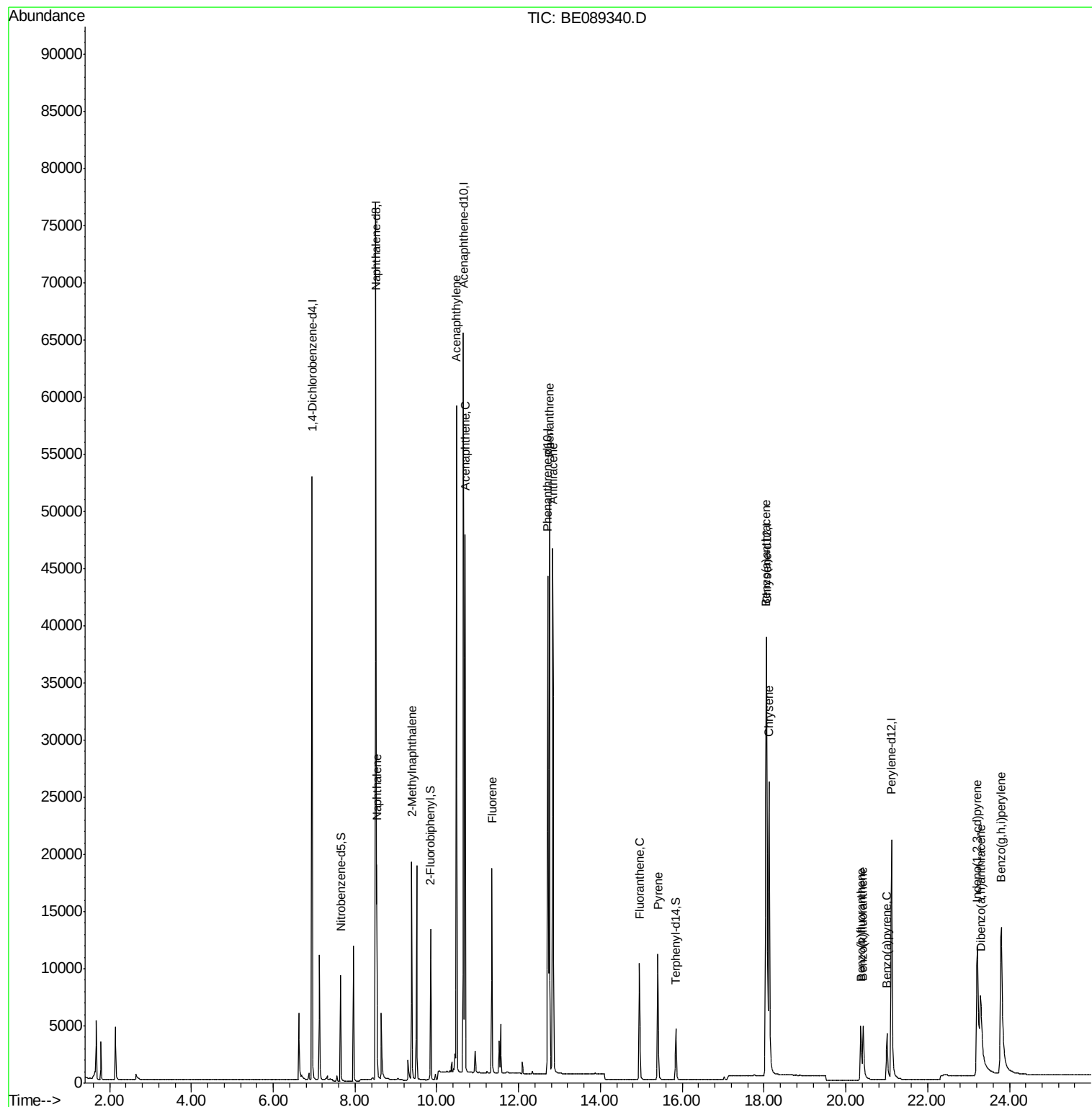
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089340.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

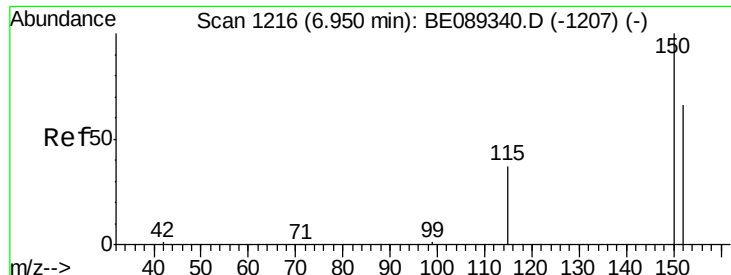
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

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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: BE089340.D

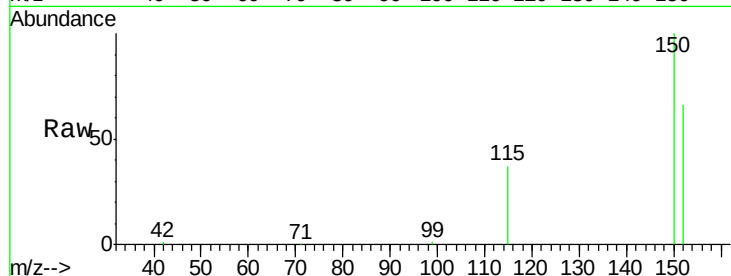
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion:152 Resp: 17060

Ion Ratio Lower Upper

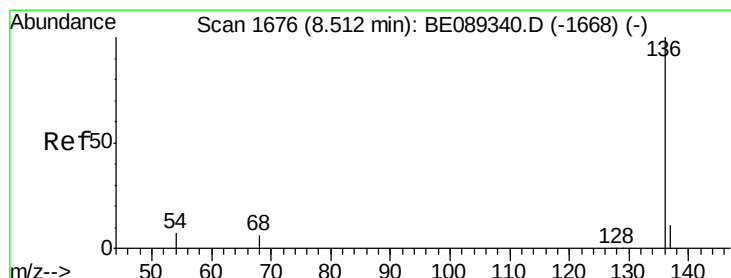
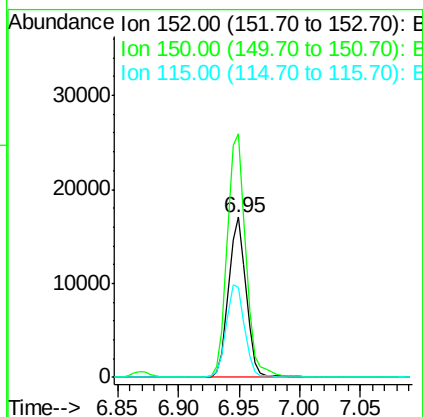
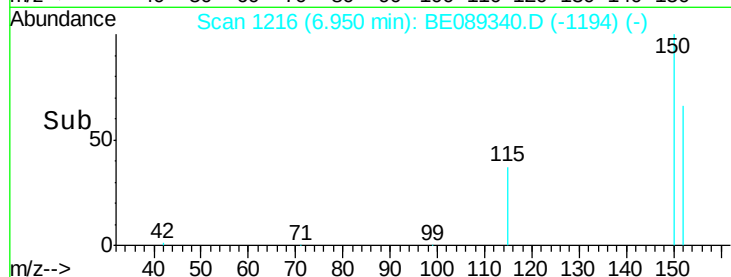
152 100

150 151.9 121.5 182.3

115 56.5 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: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:136 Resp: 65014

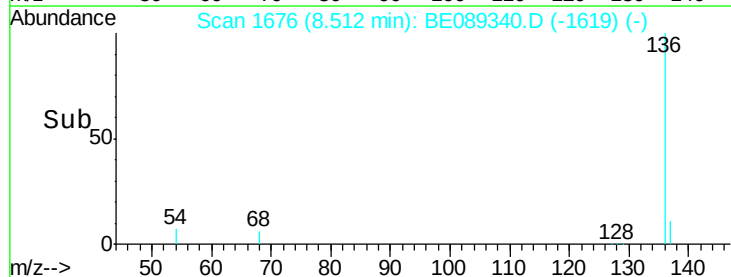
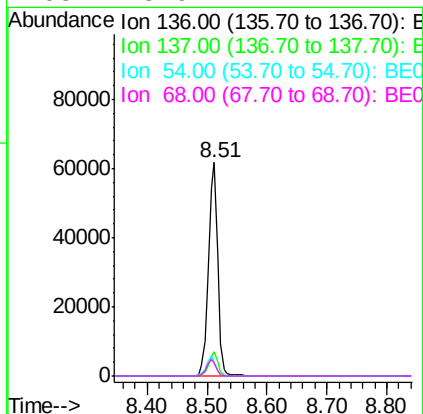
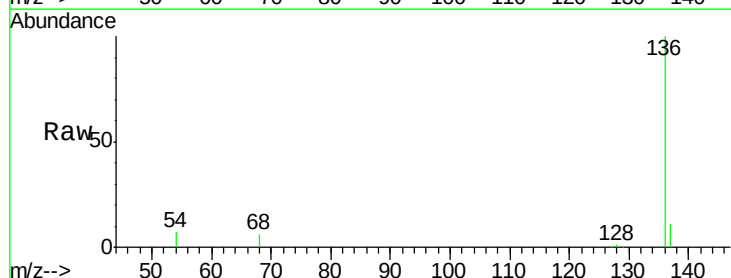
Ion Ratio Lower Upper

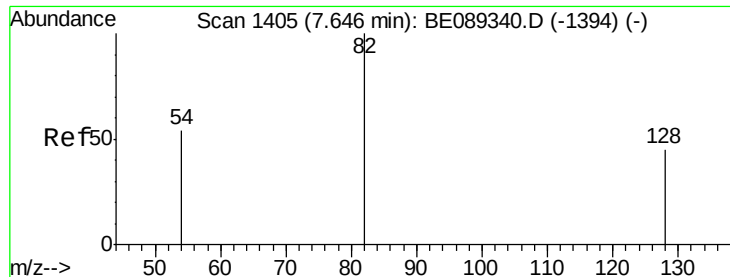
136 100

137 11.2 9.0 13.4

54 6.7 5.4 8.0

68 5.9 4.7 7.1





#3

Nitrobenzene-d5

Concen: 1.15 ng

RT: 7.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE089340.D

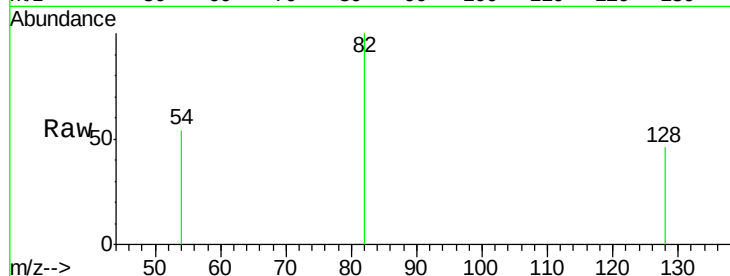
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion: 82 Resp: 4713

Ion Ratio Lower Upper

82 100

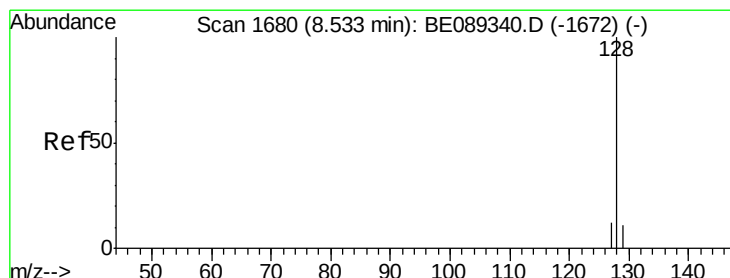
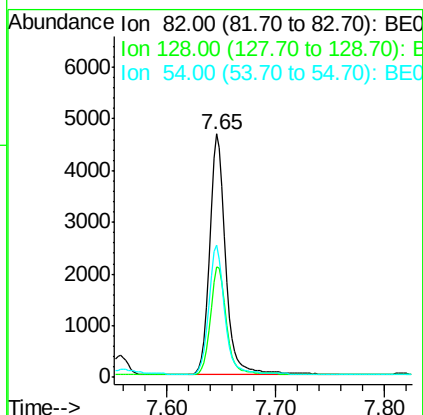
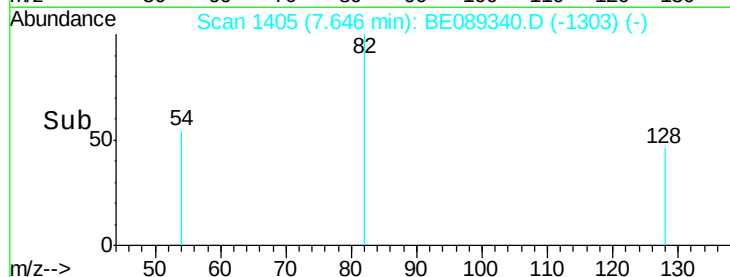
128 45.6 36.5 54.7

54 54.4 43.5 65.3

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#4

Naphthalene

Concen: 1.16 ng

RT: 8.53 min Scan# 1680

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

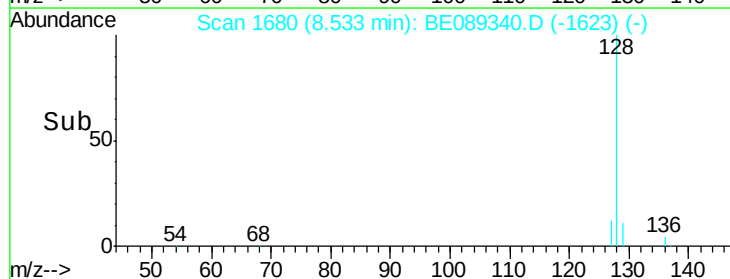
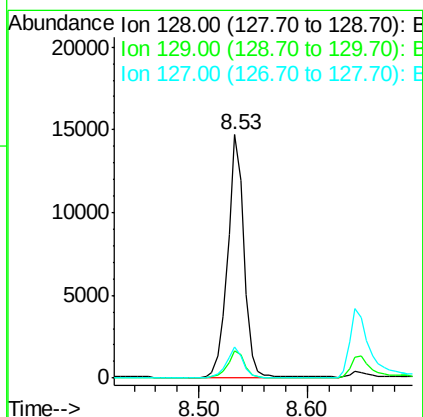
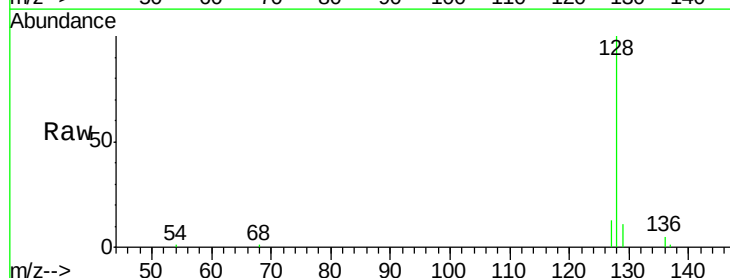
Tgt Ion: 128 Resp: 15147

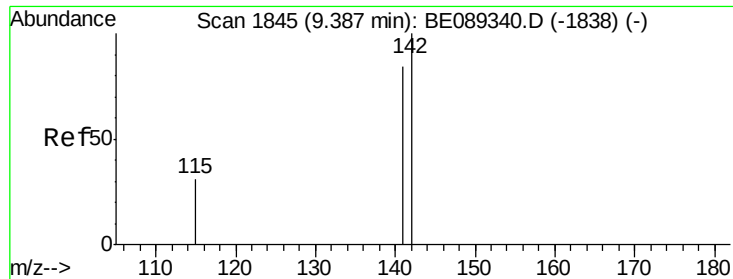
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.5 10.0 15.0





#5

2-Methylnaphthalene

Concen: 1.21 ng

RT: 9.39 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BE089340.D

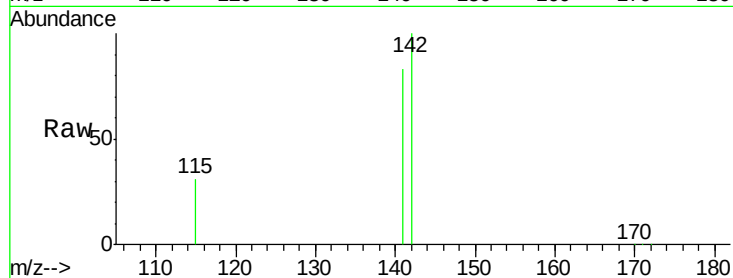
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

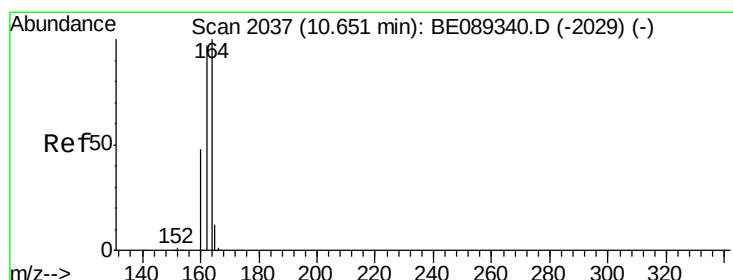
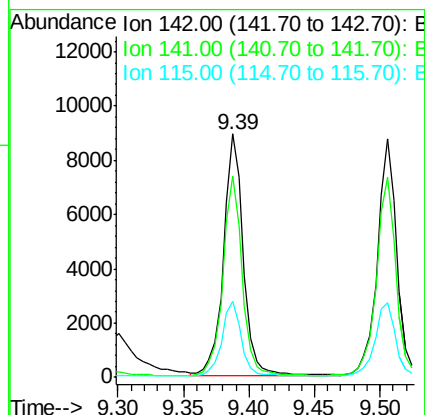
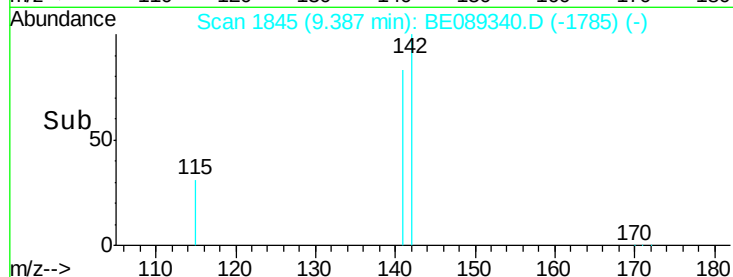
SSTDICCC001



Tgt Ion:	142	Resp:	9409
Ion Ratio	Lower	Upper	
142	100		
141	82.9	66.3	99.5
115	31.5	25.2	37.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

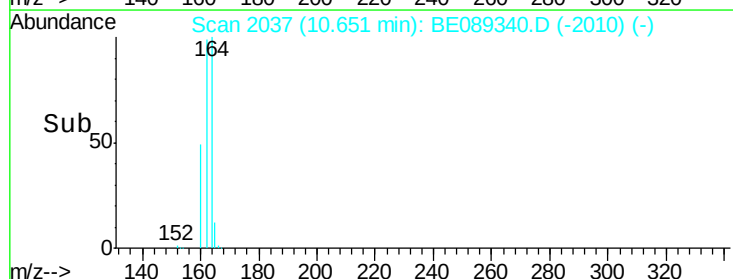
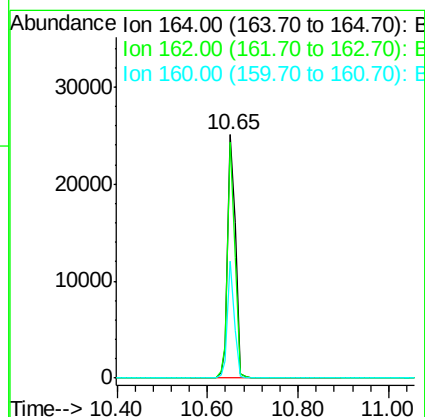
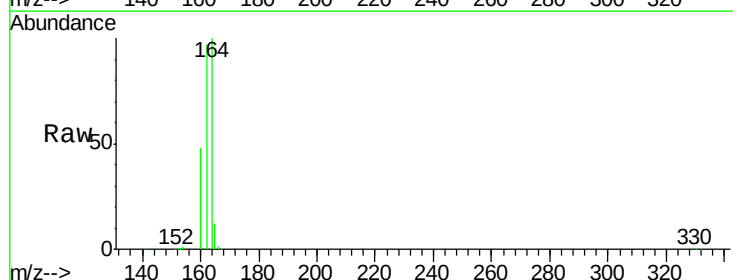
RT: 10.65 min Scan# 2037

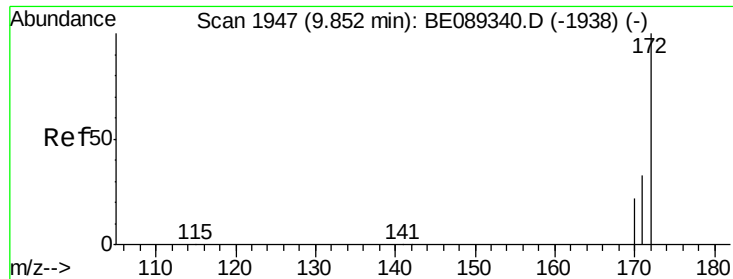
Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:	164	Resp:	29882
Ion Ratio	Lower	Upper	
164	100		
162	96.8	77.4	116.2
160	47.8	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 1.08 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089340.D

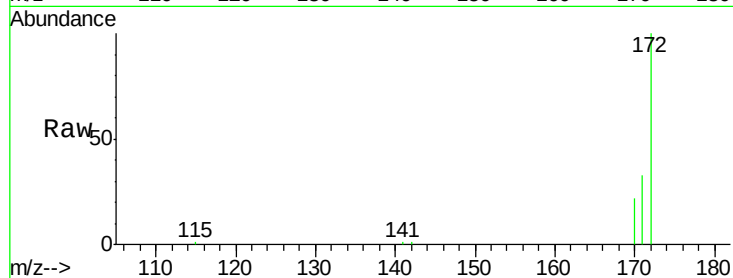
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

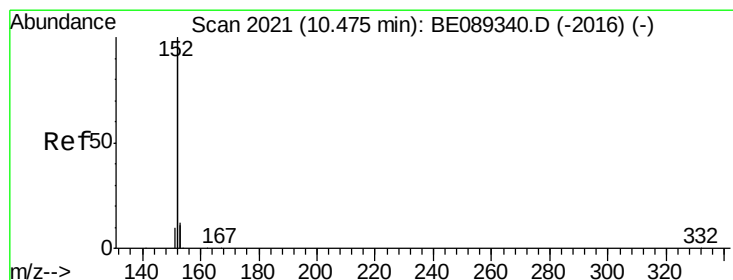
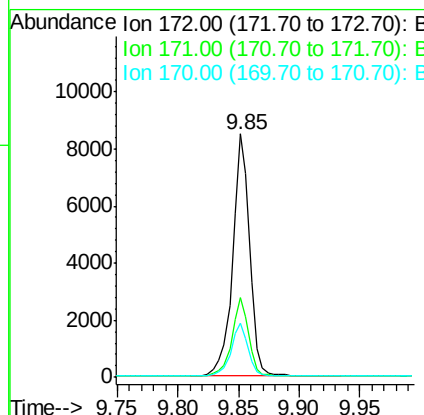
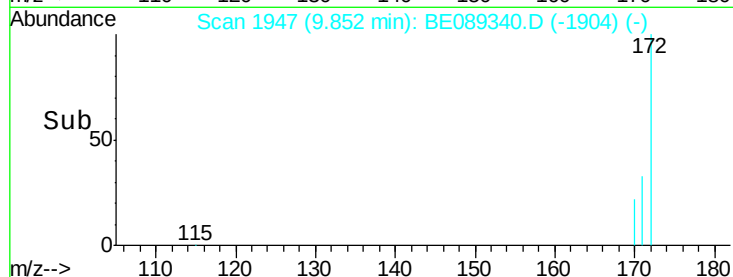
SSTDICCC001



Tgt Ion:	172	Resp:	8419
Ion Ratio	Lower	Upper	
172	100		
171	33.0	26.4	39.6
170	22.5	18.0	27.0

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#8

Acenaphthylene

Concen: 1.25 ng

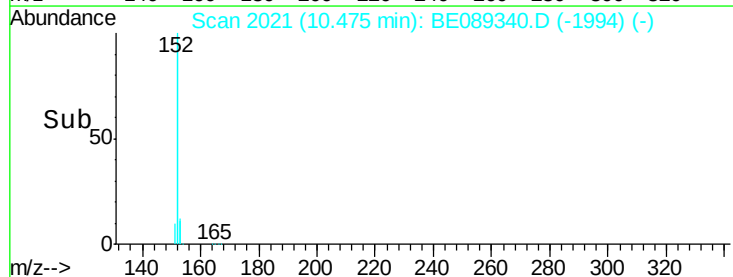
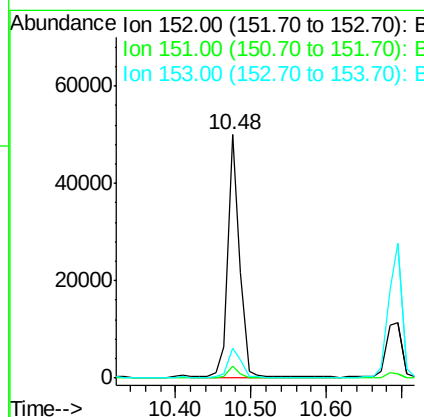
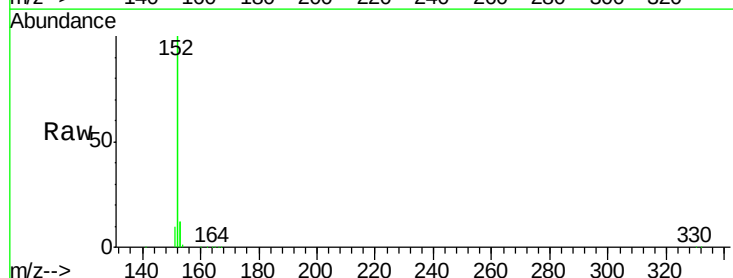
RT: 10.48 min Scan# 2021

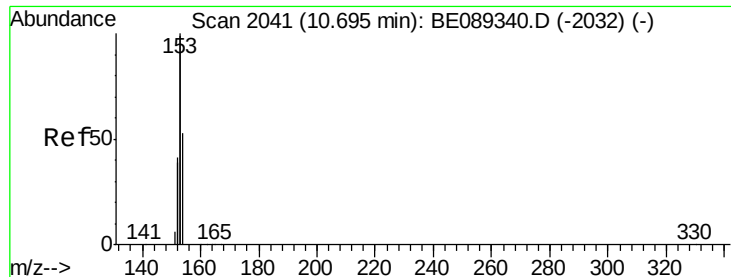
Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:	152	Resp:	53092
Ion Ratio	Lower	Upper	
152	100		
151	5.1	4.1	6.1
153	12.2	9.8	14.6





#9

Acenaphthene

Concen: 1.22 ng

RT: 10.69 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BE089340.D

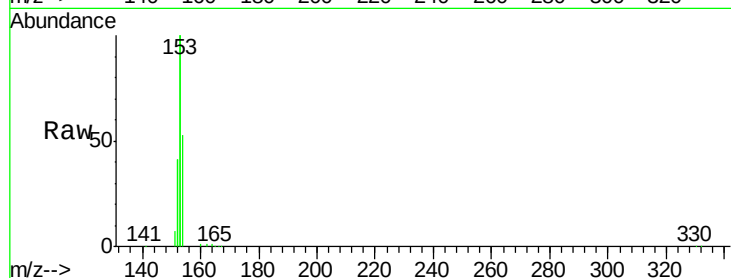
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion:154 Resp: 8035

Ion Ratio Lower Upper

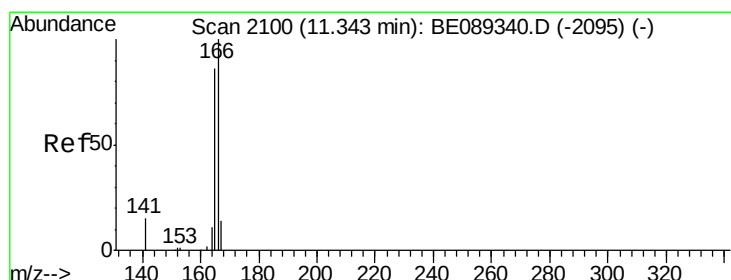
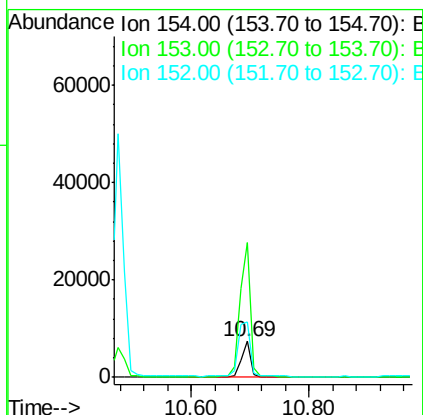
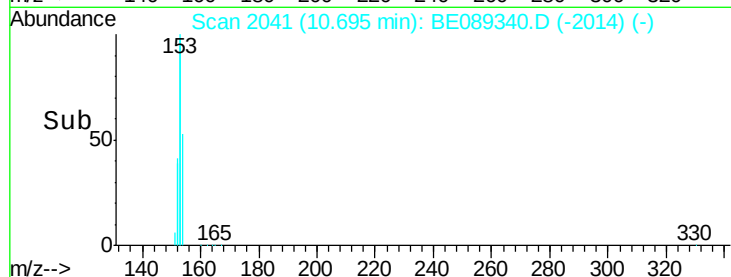
154 100

153 375.7 300.6 450.8

152 154.1 123.3 184.9

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#10

Fluorene

Concen: 1.20 ng

RT: 11.34 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

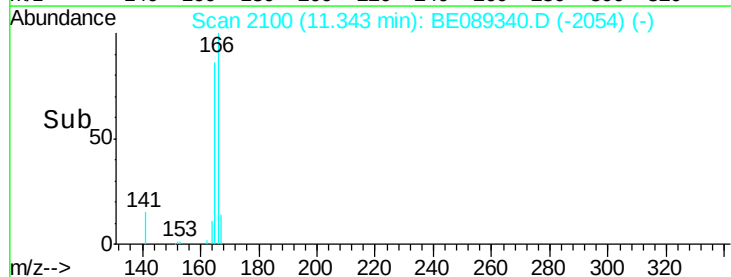
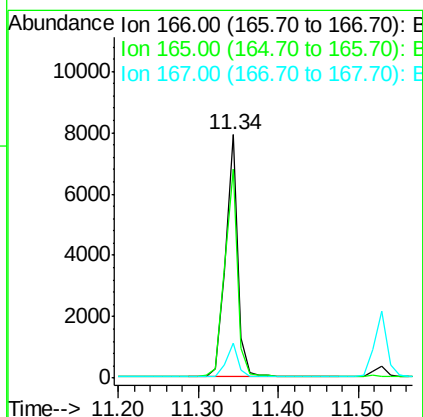
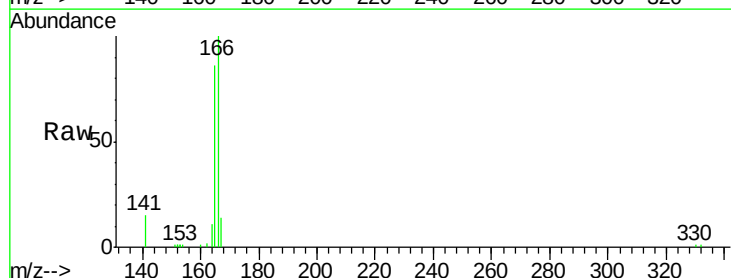
Tgt Ion:166 Resp: 8607

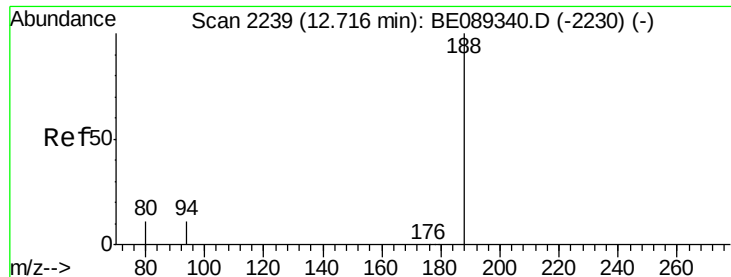
Ion Ratio Lower Upper

166 100

165 90.1 72.1 108.1

167 13.7 11.0 16.4





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2239

Delta R.T. 0.00 min

Lab File: BE089340.D

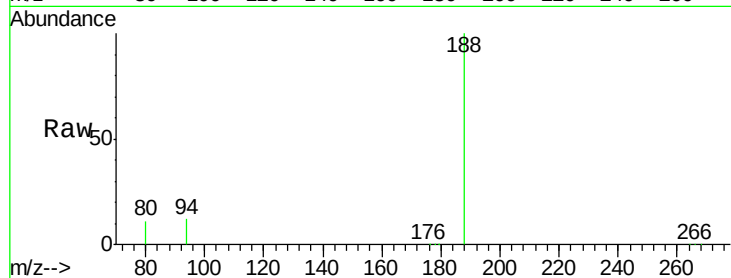
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

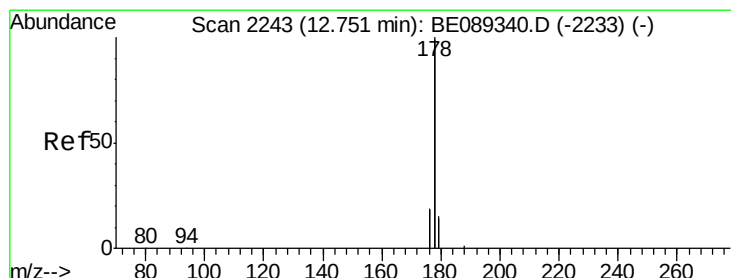
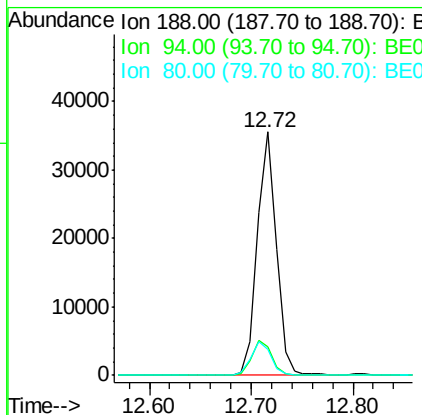
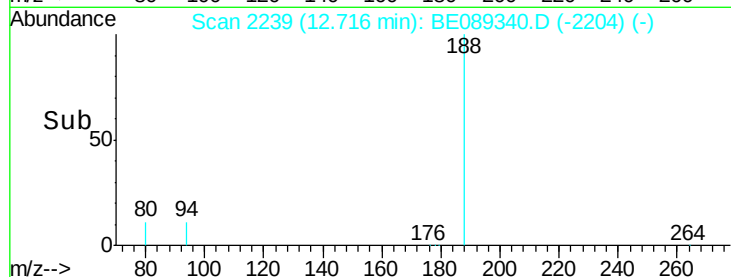
SSTDICCC001



Tgt Ion:	188	Resp:	45368
Ion Ratio	Lower	Upper	
188	100		
94	11.6	11.0	12.2
80	10.6	10.1	11.1

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#12

Phenanthrene

Concen: 1.15 ng

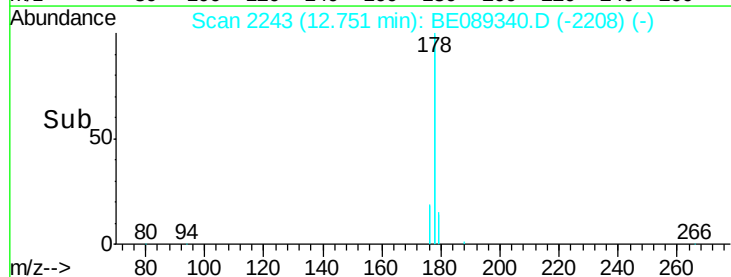
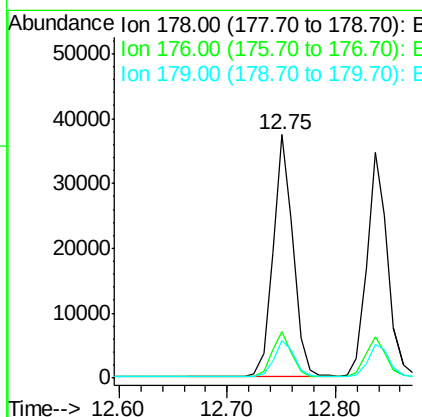
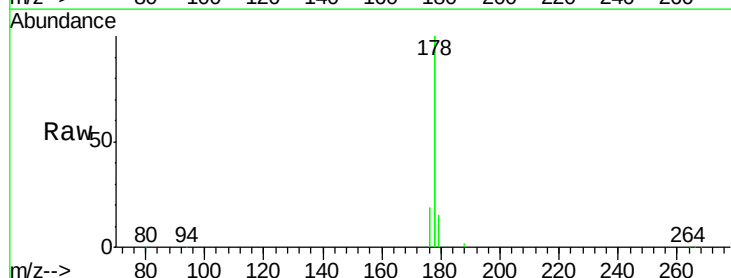
RT: 12.75 min Scan# 2243

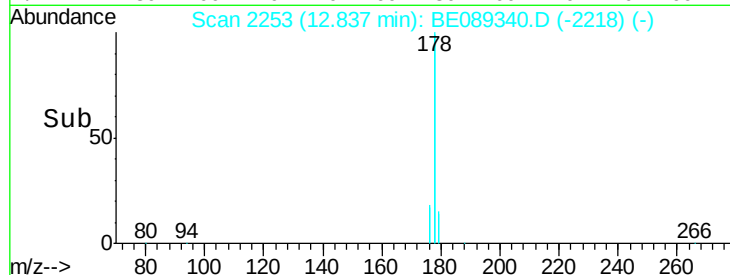
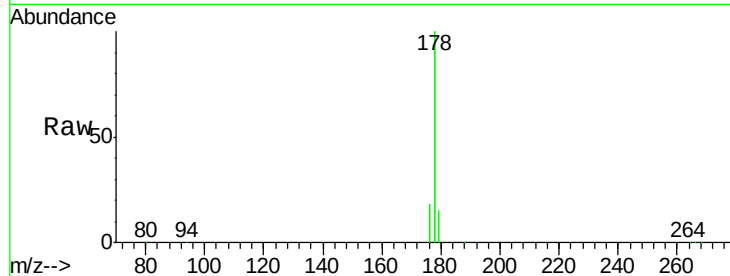
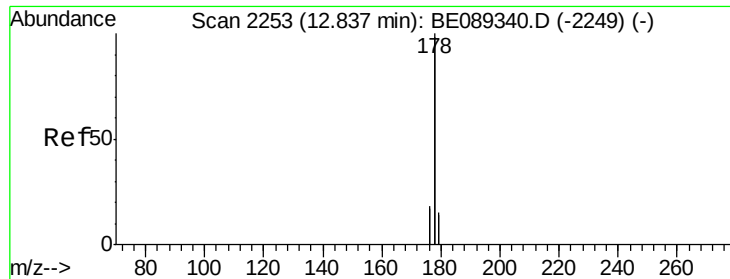
Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:	178	Resp:	48220
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.1	22.7
179	15.2	12.2	18.2





#13

Anthracene

Concen: 1.23 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

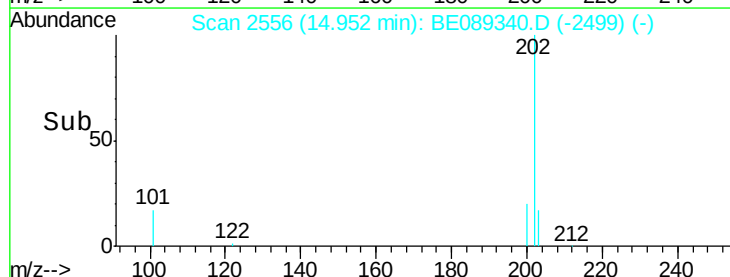
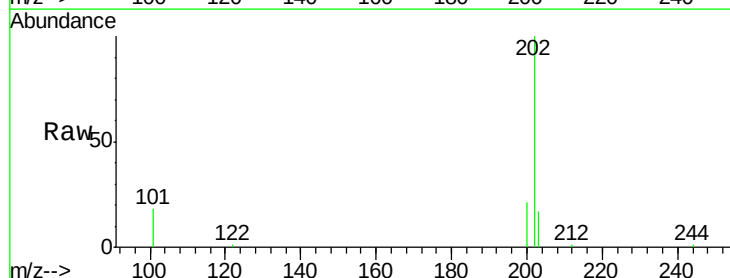
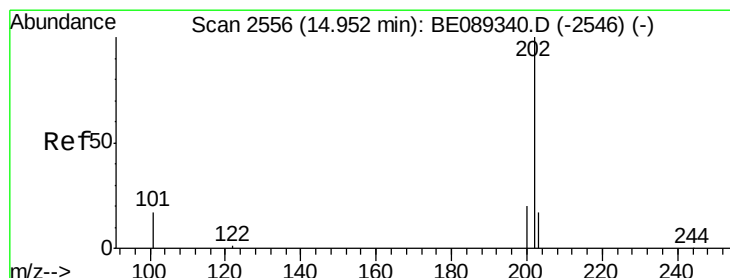
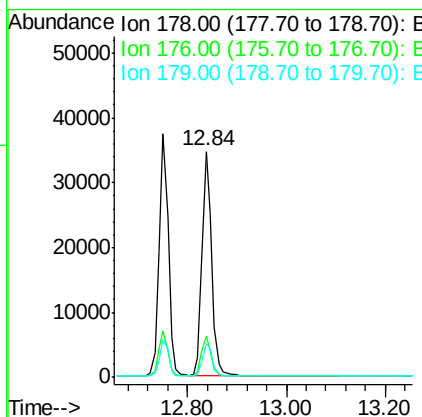
LabSampleId :

SSTDICCC001

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Tgt Ion:	178	Resp:	47322
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.7	22.1
179	15.0	12.0	18.0



#14

Fluoranthene

Concen: 1.19 ng

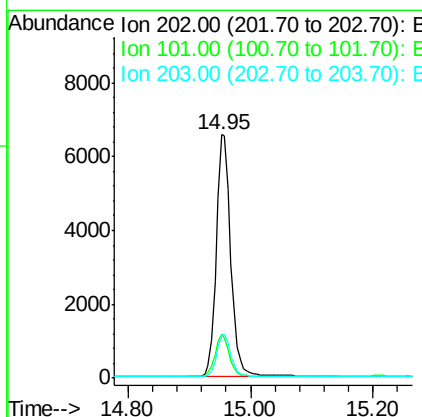
RT: 14.95 min Scan# 2556

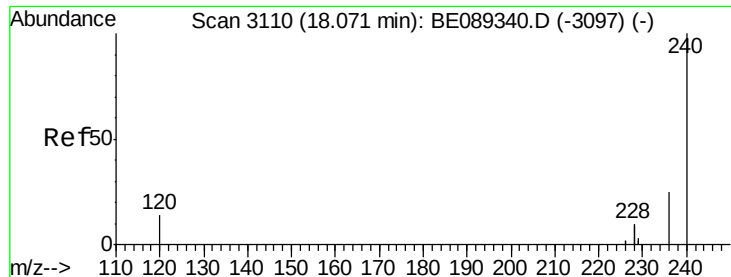
Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:	202	Resp:	10780
Ion Ratio	Lower	Upper	
202	100		
101	17.9	0.0	37.9
203	17.5	0.0	37.5





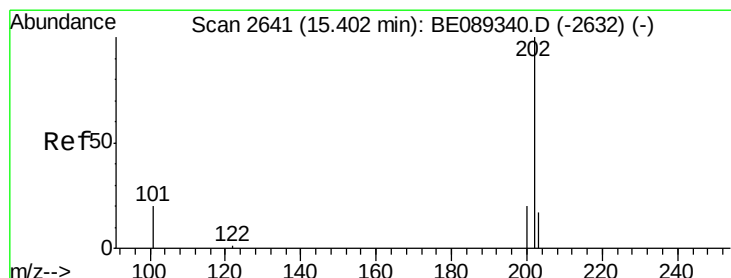
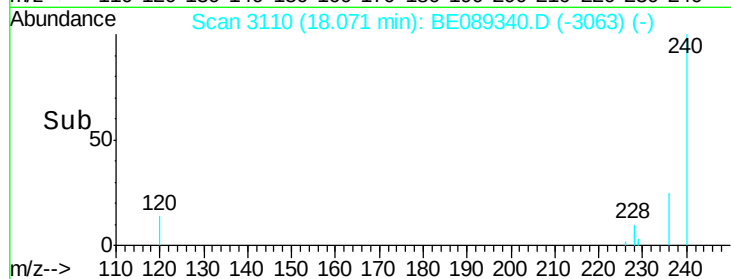
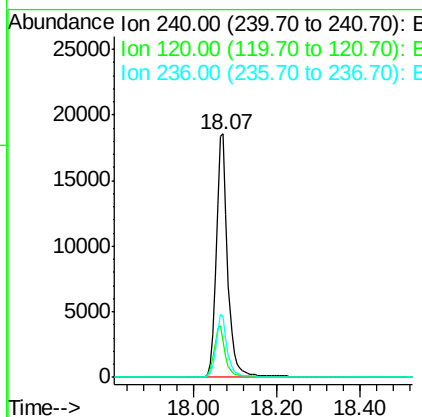
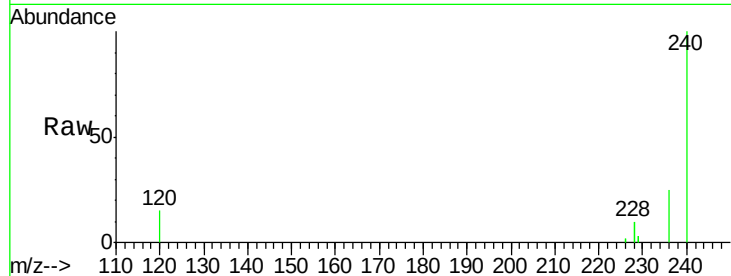
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	11.8	17.6
236	25.0	20.0	30.0

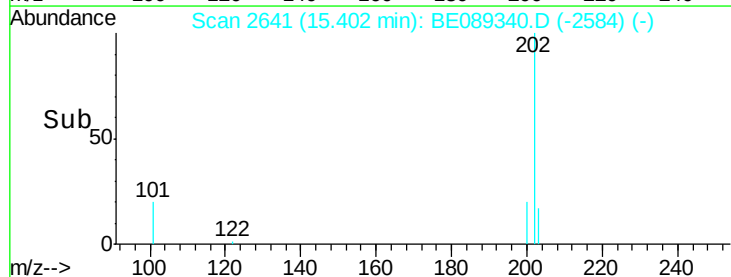
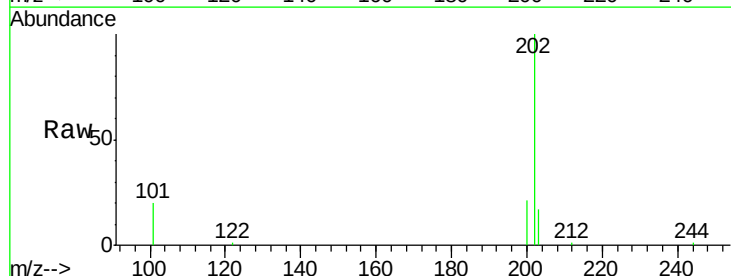
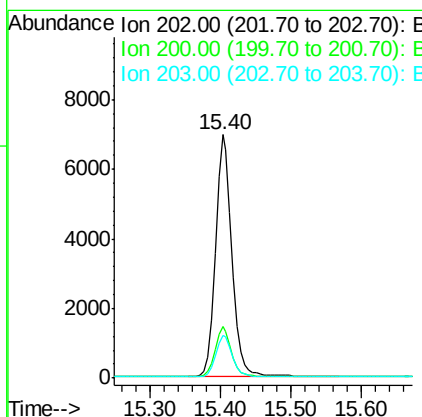
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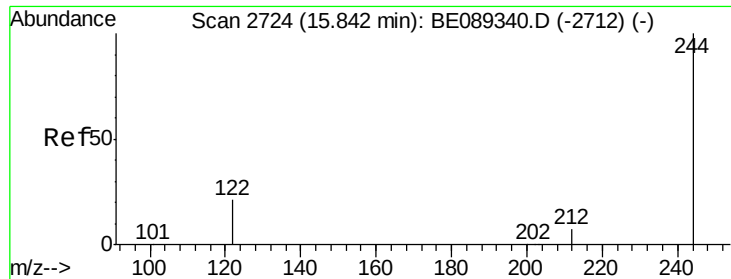
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#16
Pyrene
Concen: 1.34 ng
RT: 15.40 min Scan# 2641
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.5	14.0	21.0





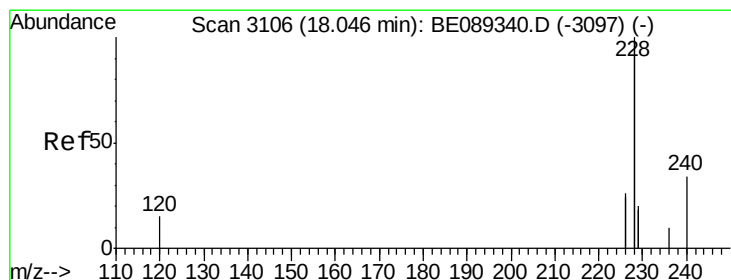
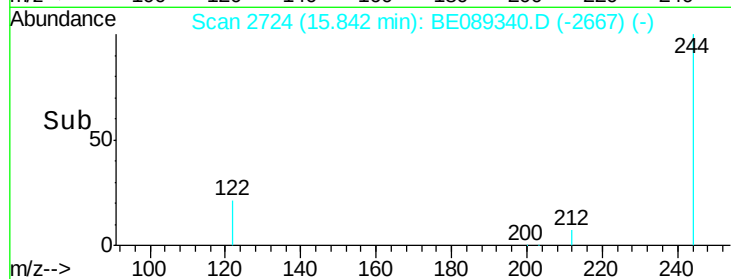
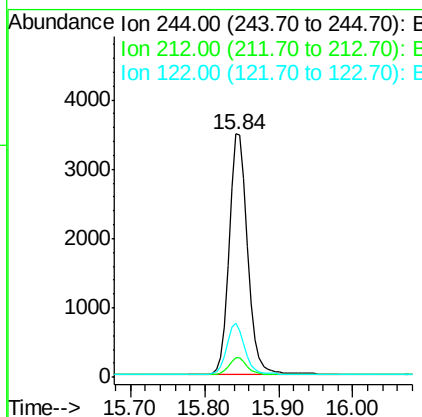
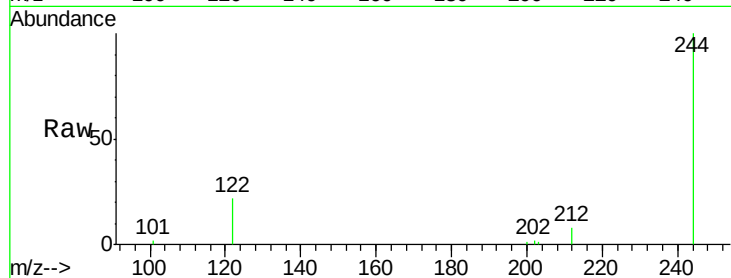
#17
 Terphenyl-d14
 Concen: 1.18 ng
 RT: 15.84 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: BE089340.D
 Acq: 7 Jan 2015 22:05

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	22.1	17.7	26.5

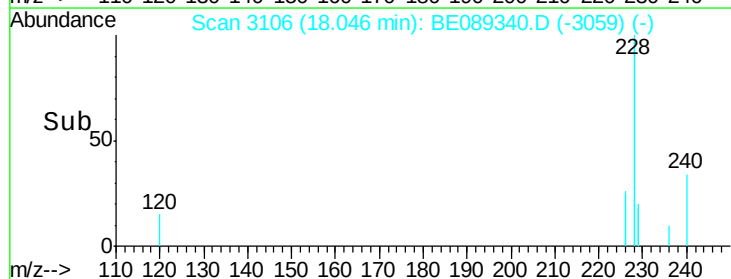
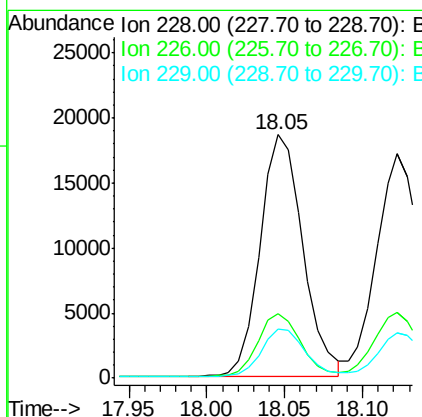
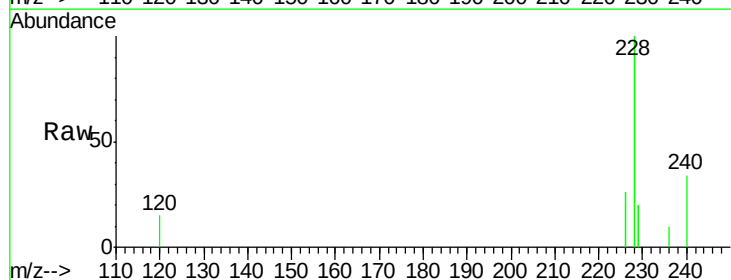
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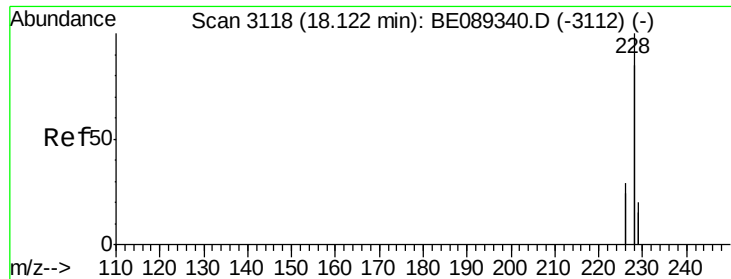
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#18
 Benzo(a)anthracene
 Concen: 1.22 ng
 RT: 18.05 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: BE089340.D
 Acq: 7 Jan 2015 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.6
229	20.0	16.0	24.0





#19

Chrysene

Concen: 1.23 ng

RT: 18.12 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BE089340.D

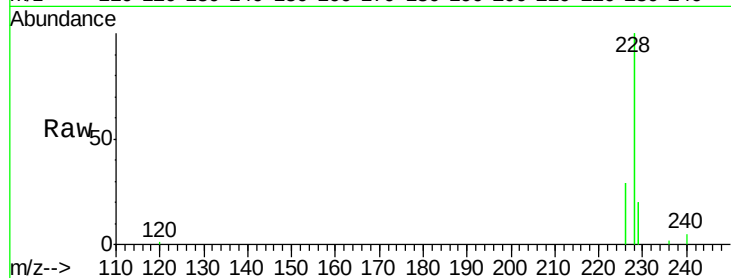
Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

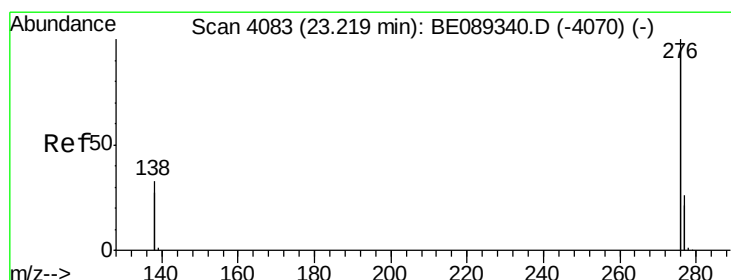
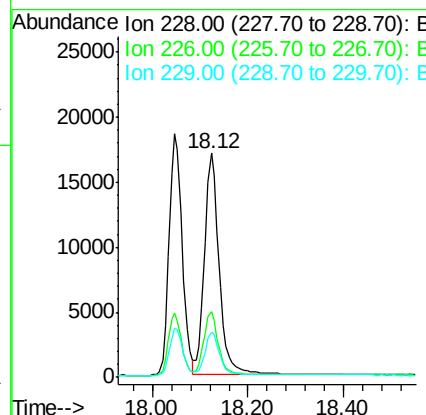
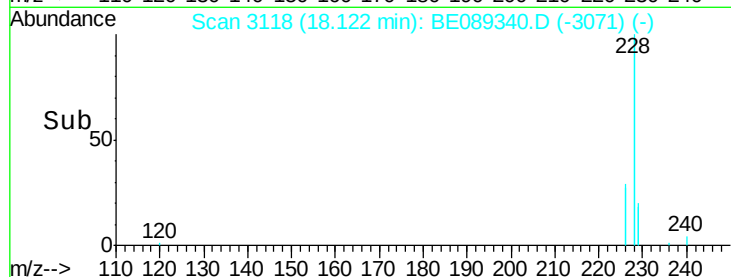
SSTDICCC001



Tgt Ion:	228	Resp:	36781
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.5	35.3
229	20.1	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 1.31 ng m

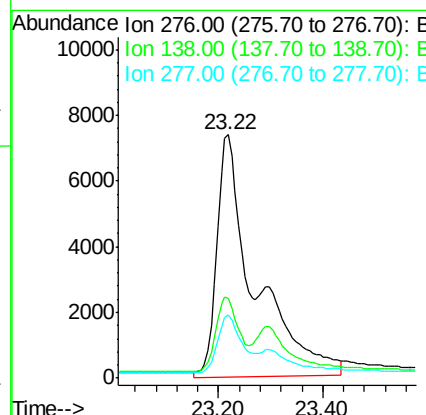
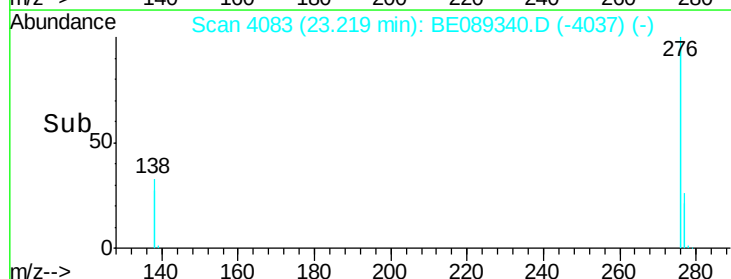
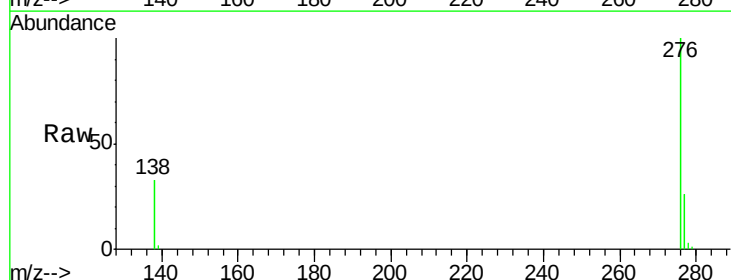
RT: 23.22 min Scan# 4083

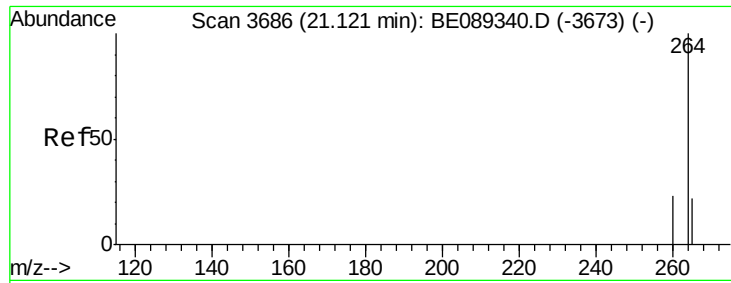
Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:	276	Resp:	37470
Ion Ratio	Lower	Upper	
276	100		
138	18.7	23.8	35.8#
277	14.3	18.2	27.4#





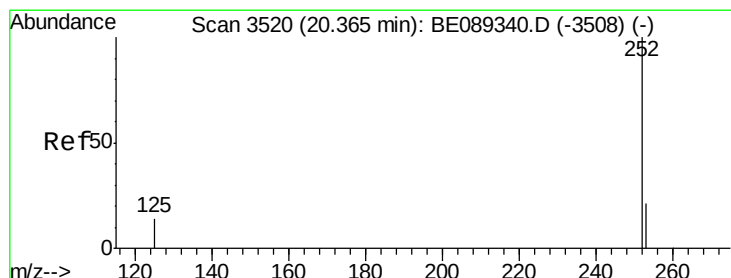
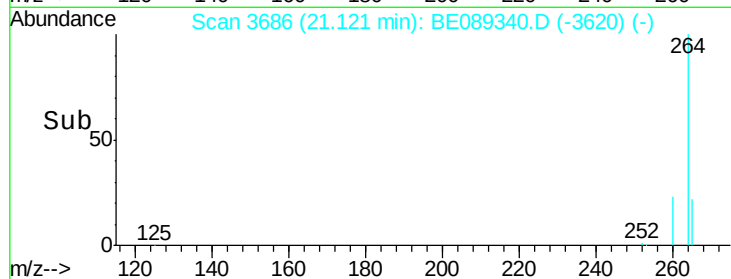
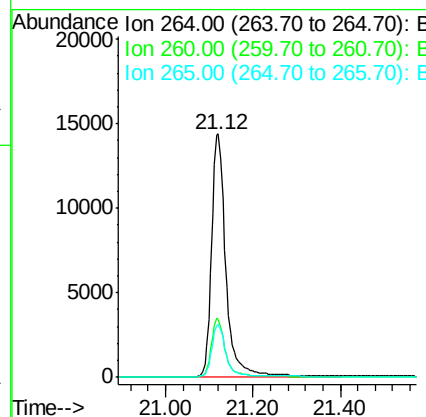
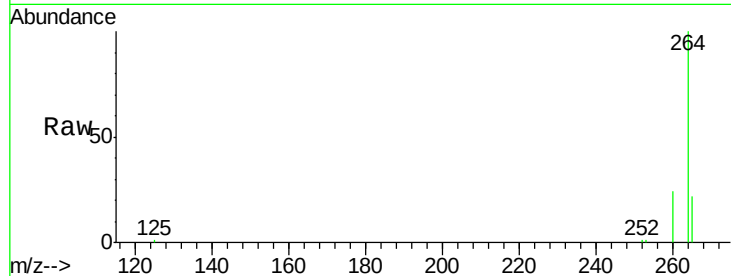
#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: BE089340.D
 Acq: 7 Jan 2015 22:05

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.8	17.4	26.2

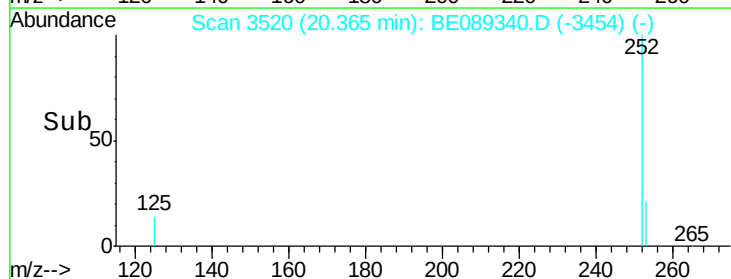
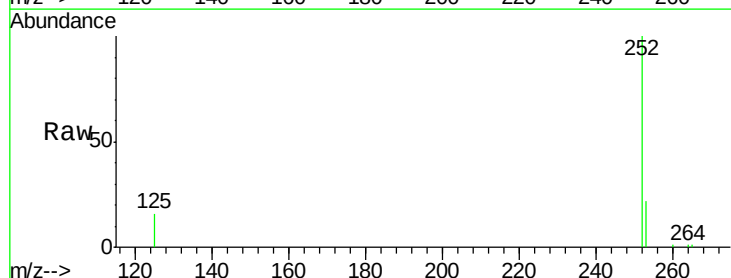
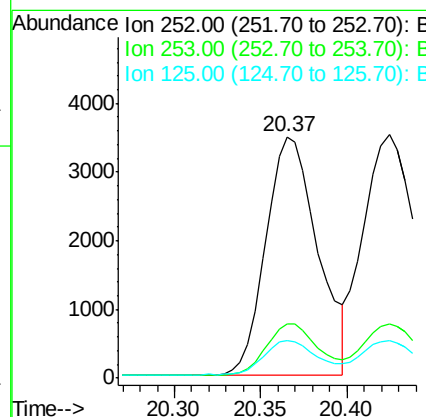
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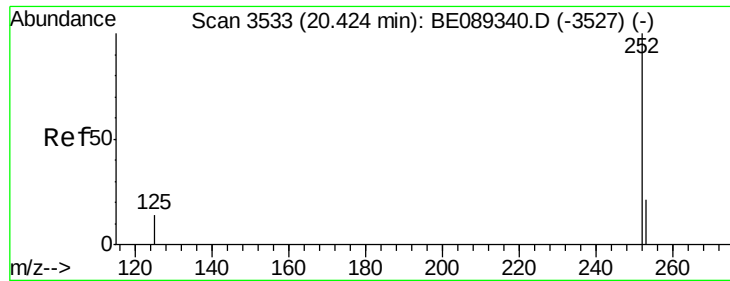
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#22
 Benzo(b)fluoranthene
 Concen: 1.13 ng
 RT: 20.37 min Scan# 3520
 Delta R.T. 0.00 min
 Lab File: BE089340.D
 Acq: 7 Jan 2015 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	15.7	12.6	18.8





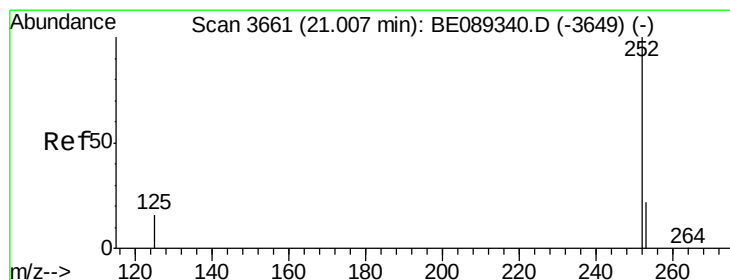
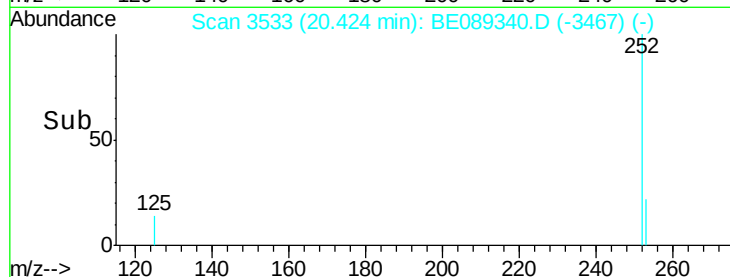
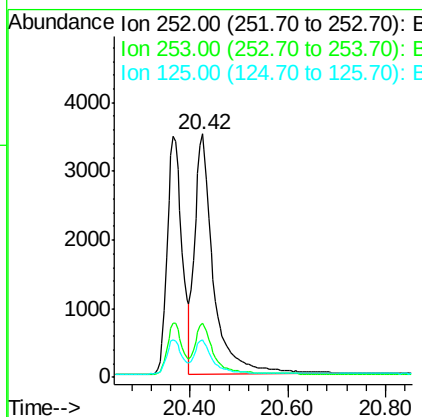
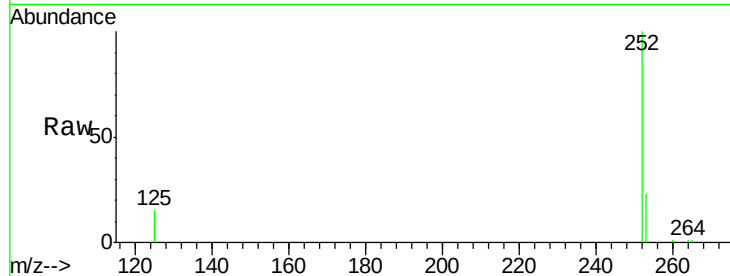
#23
Benzo(k)fluoranthene
Concen: 1.12 ng
RT: 20.42 min Scan# 3533
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	15.5	12.4	18.6

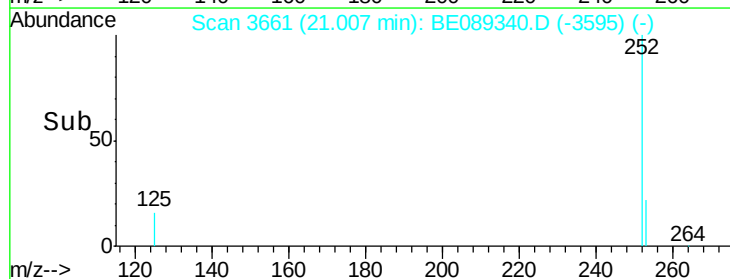
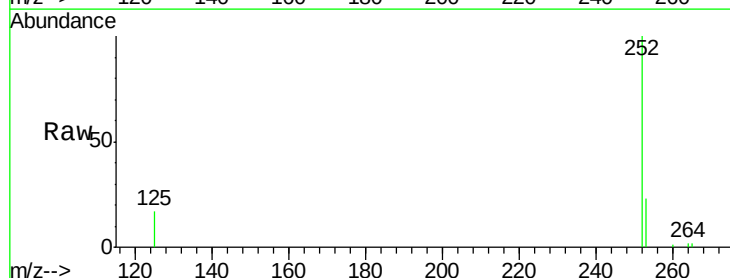
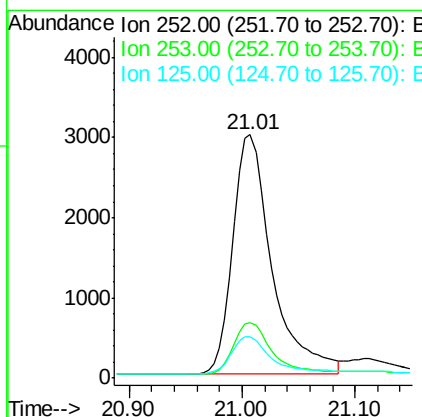
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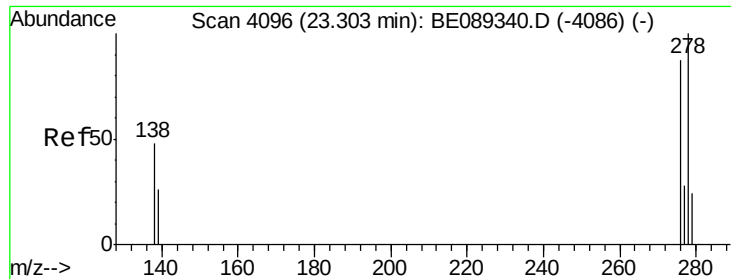
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#24
Benzo(a)pyrene
Concen: 1.16 ng
RT: 21.01 min Scan# 3661
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

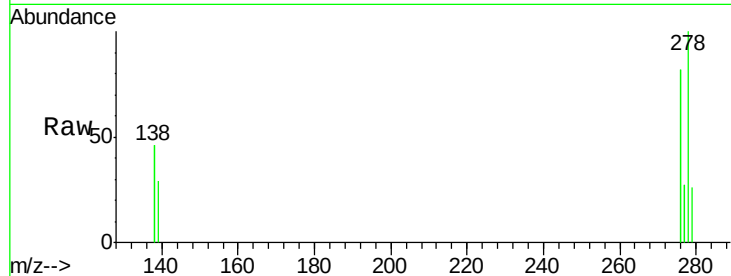
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	17.3	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 1.04 ng
RT: 23.30 min Scan# 4096
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

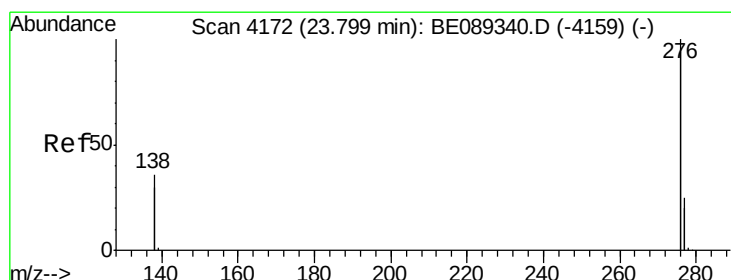
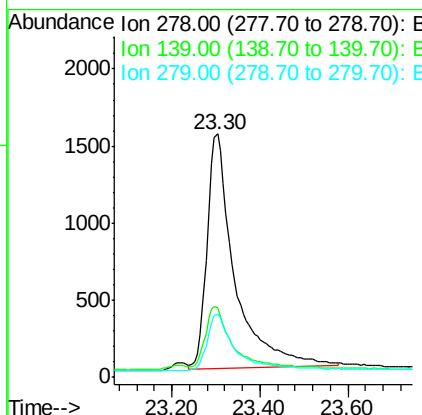
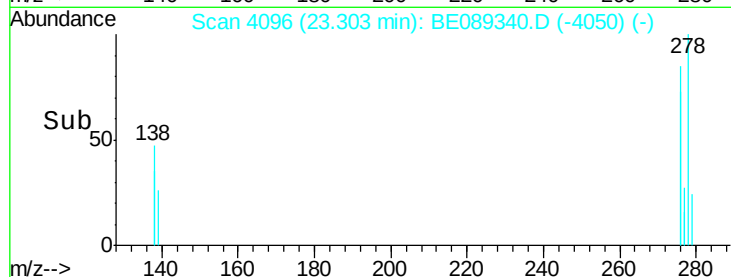


Tgt Ion: 278 Resp: 6644

Ion	Ratio	Lower	Upper
278	100		
139	28.6	22.9	34.3
279	26.0	20.8	31.2

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#26
Benzo(g,h,i)perylene
Concen: 1.14 ng
RT: 23.80 min Scan# 4172
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Tgt Ion: 276 Resp: 33099

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.0	30.0
138	35.6	28.5	42.7

