

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089342.D
 Acq On : 7 Jan 2015 23:11
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Manual Integrations
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TEJASKUMAR
 1/9/2015 5:21:18 PM

Quant Time: Jan 08 05:48:39 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	17616	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	67455	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	31224	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	49294	5.00	ng	0.00
15) Chrysene-d12	18.07	240	36087	5.00	ng	0.00
21) Perylene-d12	21.12	264	31984	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	25033	5.89	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	41194	5.07	ng	0.00
17) Terphenyl-d14	15.84	244	31423	5.90	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	72353	5.35	ng	100
5) 2-Methylnaphthalene	9.39	142	45652	5.64	ng	98
8) Acenaphthylene	10.47	152	260636	5.89	ng	99
9) Acenaphthene	10.69	154	39016	5.68	ng	99
10) Fluorene	11.34	166	43978	5.86	ng	99
12) Phenanthrene	12.75	178	244433	5.36	ng	99
13) Anthracene	12.84	178	245069	5.87	ng	100
14) Fluoranthene	14.95	202	55274	5.63	ng	99
16) Pyrene	15.40	202	58358	6.61	ng	100
18) Benzo(a)anthracene	18.05	228	178870	6.01	ng	99
19) Chrysene	18.12	228	176539	5.72	ng	99
20) Indeno(1,2,3-cd)pyrene	23.21	276	179491m	6.05	ng	
22) Benzo(b)fluoranthene	20.36	252	36926	5.81	ng	98
23) Benzo(k)fluoranthene	20.42	252	44221	5.40	ng	98
24) Benzo(a)pyrene	21.00	252	36471	6.06	ng	97
25) Dibenzo(a,h)anthracene	23.29	278	33958	5.36	ng	97
26) Benzo(g,h,i)perylene	23.79	276	163200	5.70	ng	98

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

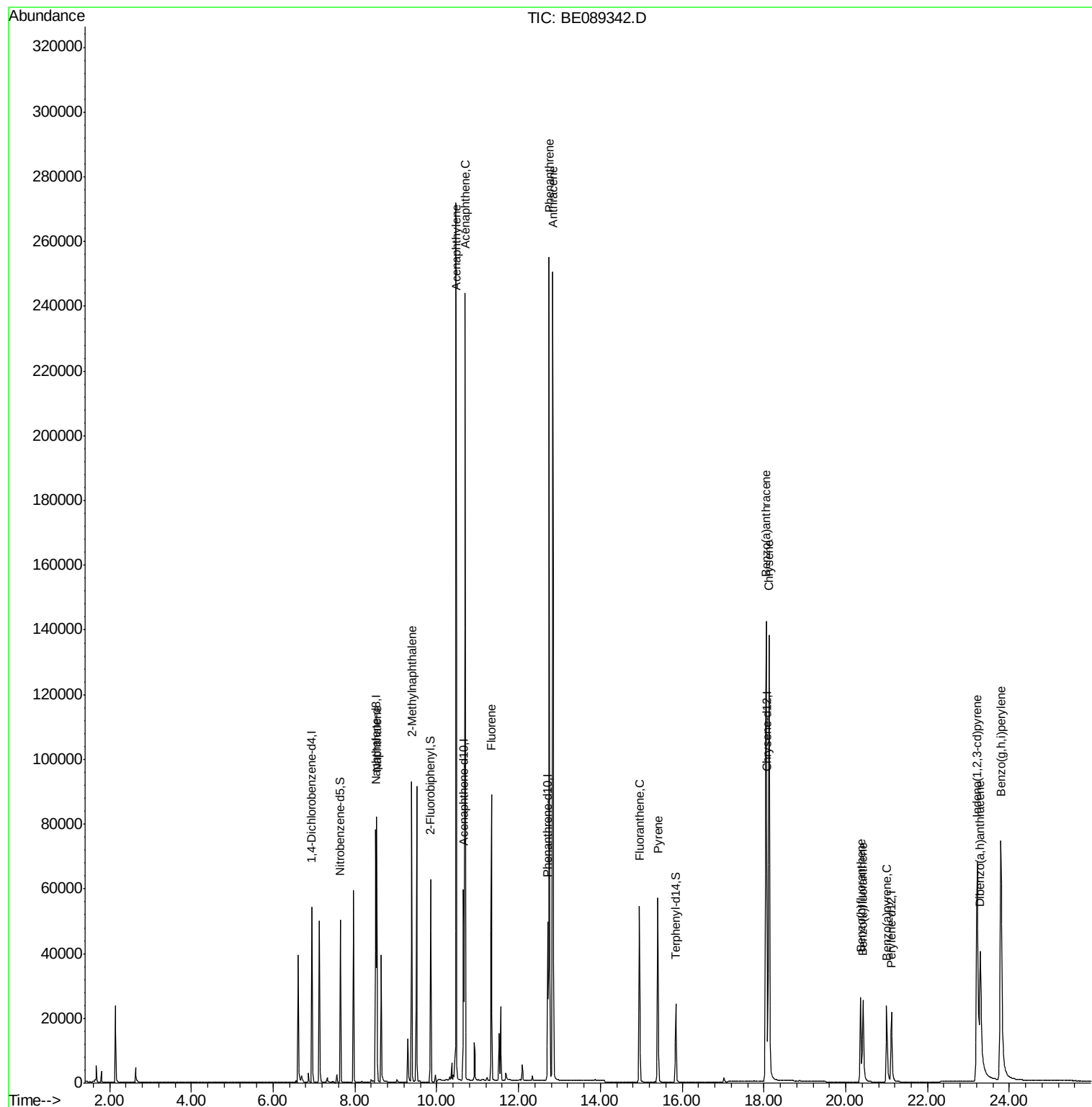
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089342.D
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ALS Vial : 18 Sample Multiplier: 1

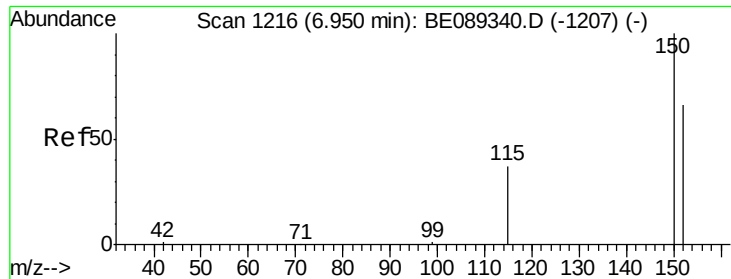
Instrument :
BNA_E
LabSampleId :
SSTDICC005

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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: BE089342.D

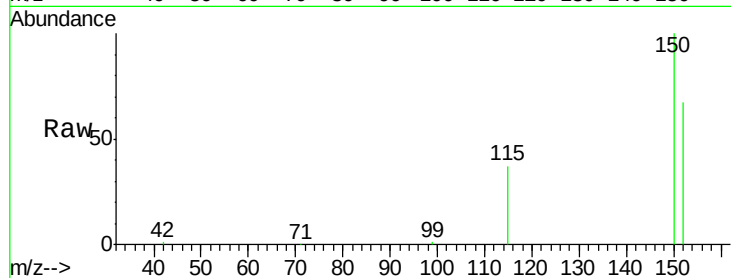
Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDICC005



Tgt Ion:152 Resp: 17616

Ion Ratio Lower Upper

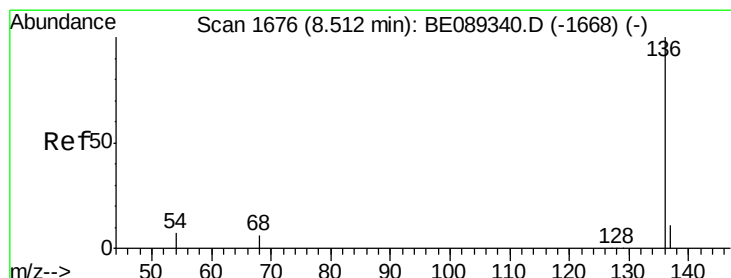
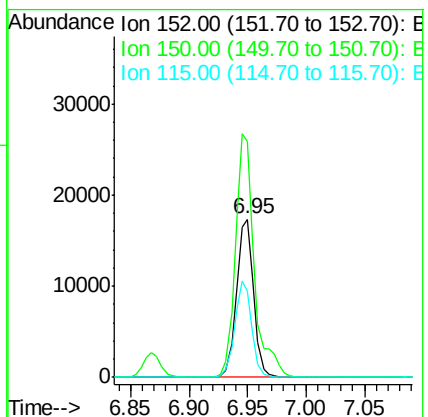
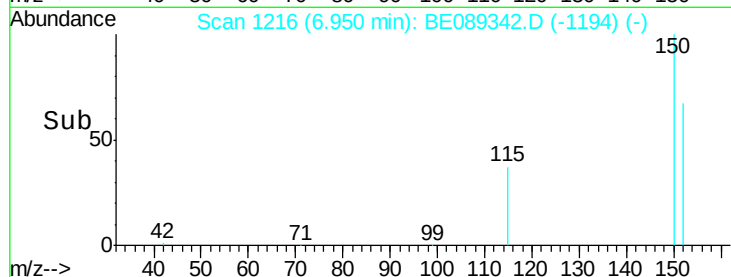
152 100

150 148.9 121.5 182.3

115 54.7 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: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:136 Resp: 67455

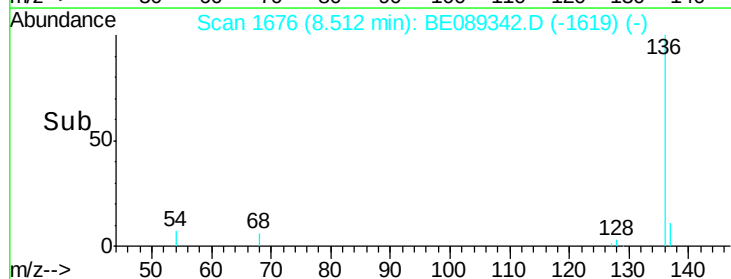
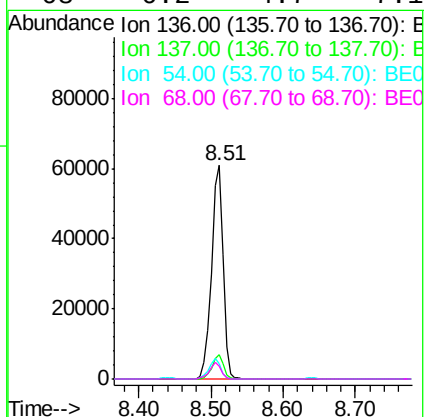
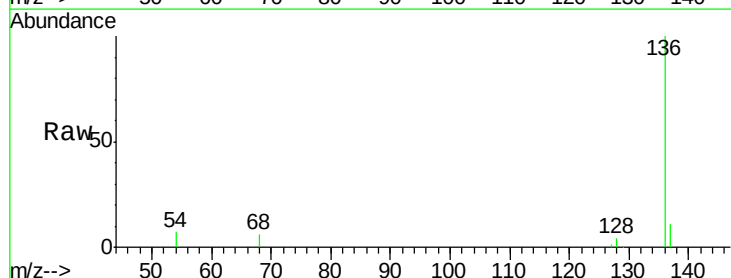
Ion Ratio Lower Upper

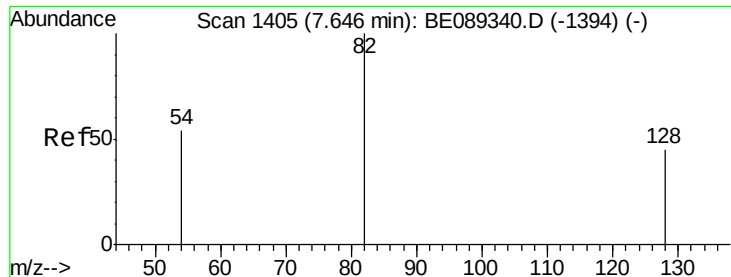
136 100

137 11.2 9.0 13.4

54 6.9 5.4 8.0

68 6.2 4.7 7.1





#3

Nitrobenzene-d5

Concen: 5.89 ng

RT: 7.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

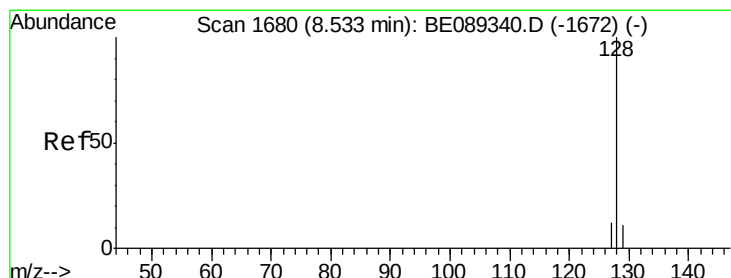
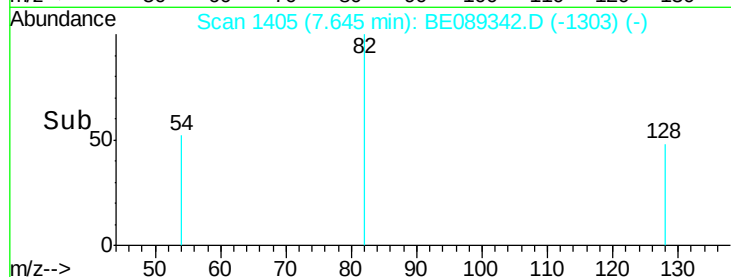
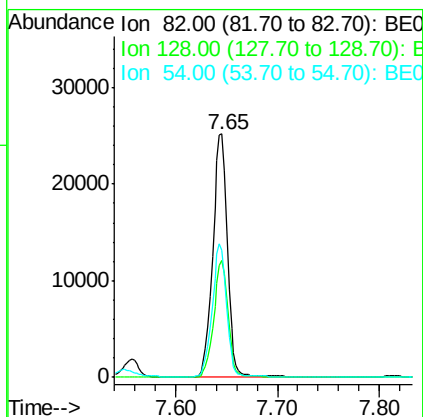
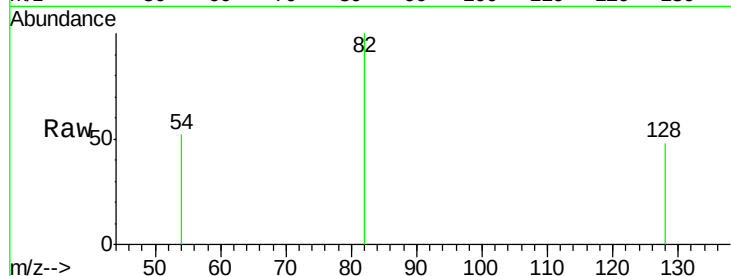
LabSampleId :

SSTDICC005

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Tgt Ion:	82	Resp:	25033
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.5	54.7
54	52.1	43.5	65.3



#4

Naphthalene

Concen: 5.35 ng

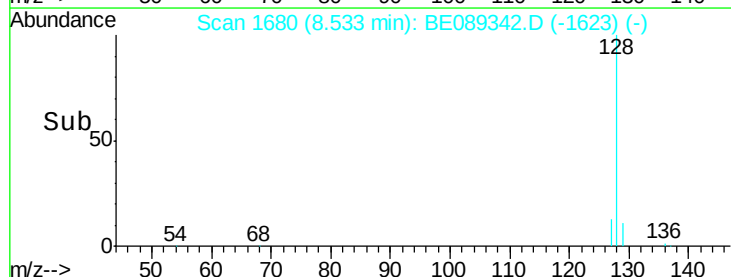
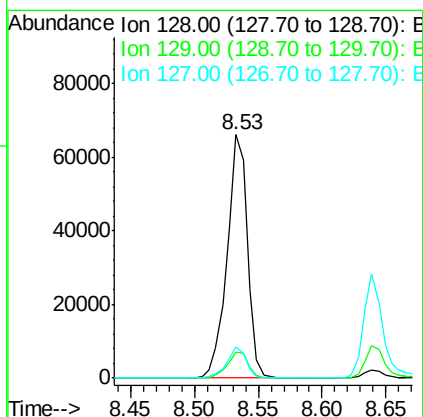
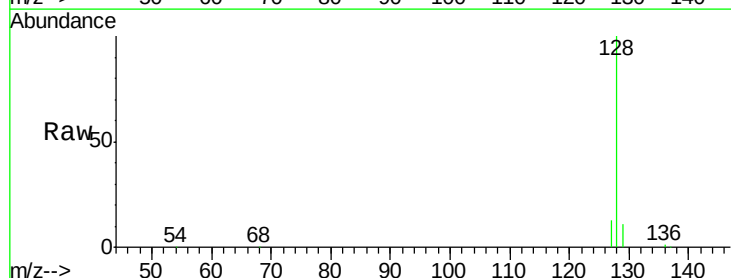
RT: 8.53 min Scan# 1680

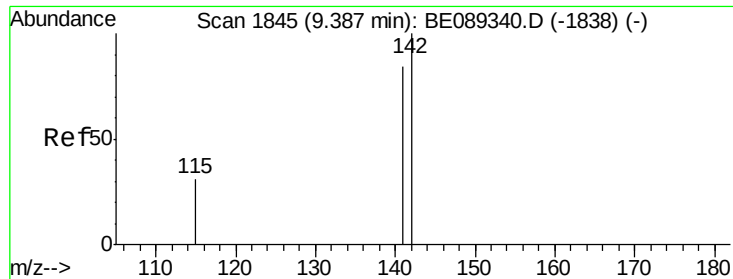
Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:	128	Resp:	72353
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.6	10.0	15.0





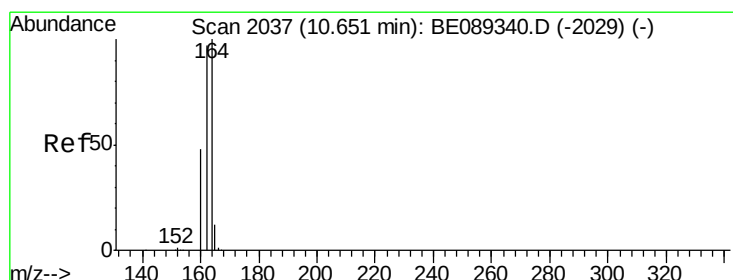
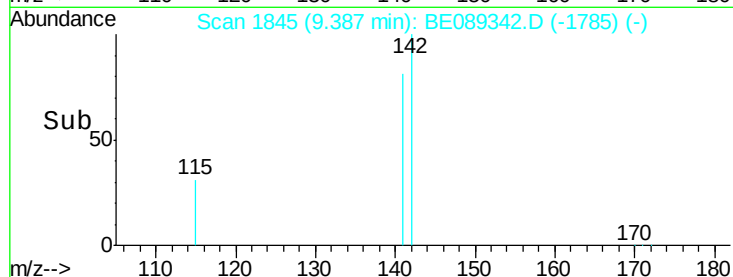
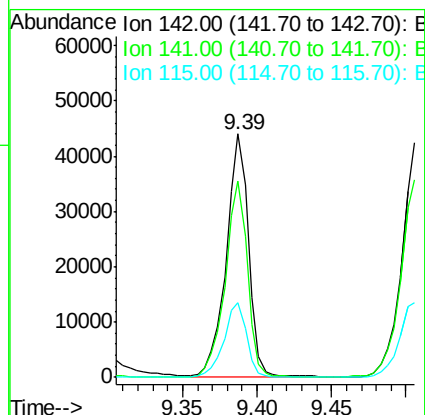
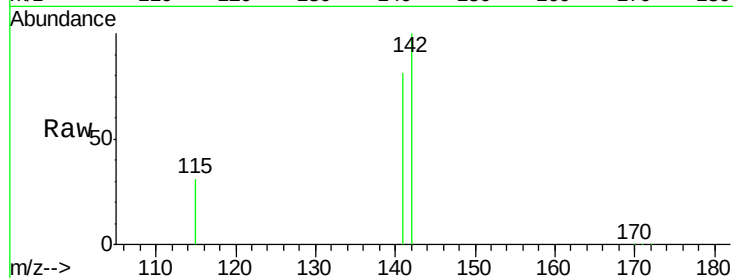
#5
2-Methylnaphthalene
Concen: 5.64 ng
RT: 9.39 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Instrument :
BNA_E
LabSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.7	66.3	99.5
115	30.7	25.2	37.8

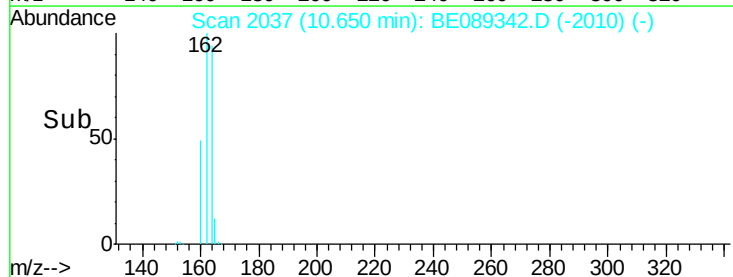
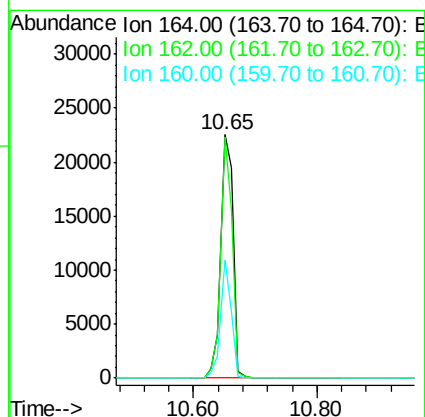
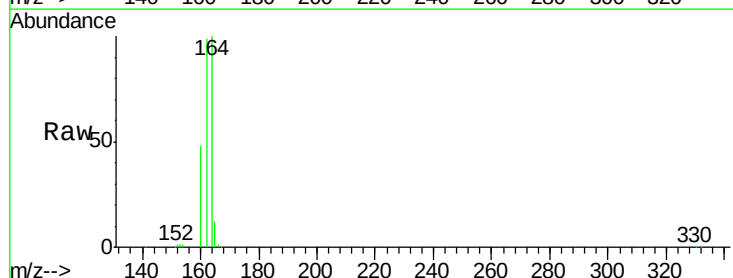
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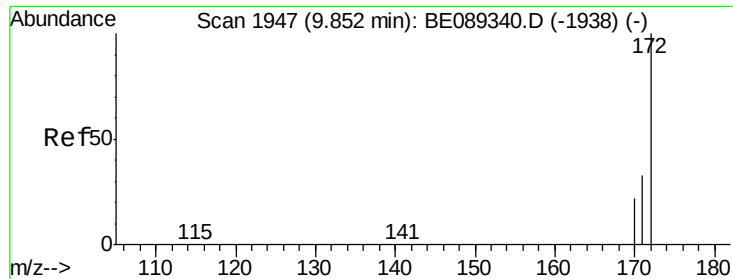
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#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	77.4	116.2
160	48.5	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 5.07 ng

RT: 9.85 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BE089342.D

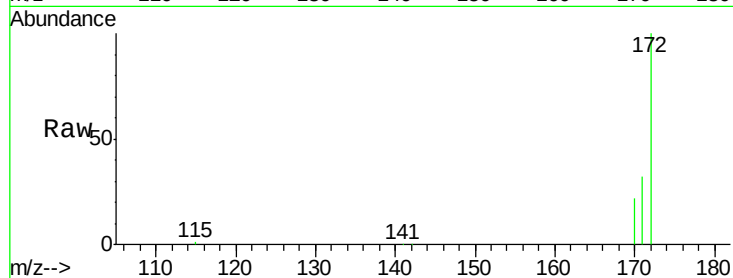
Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

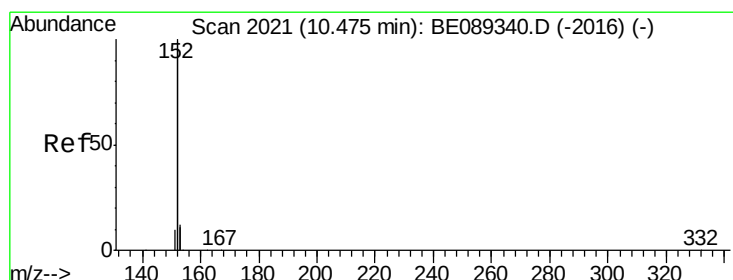
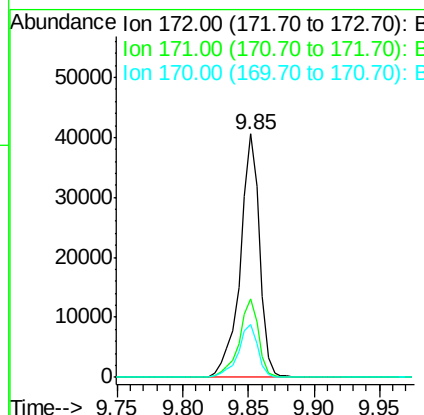
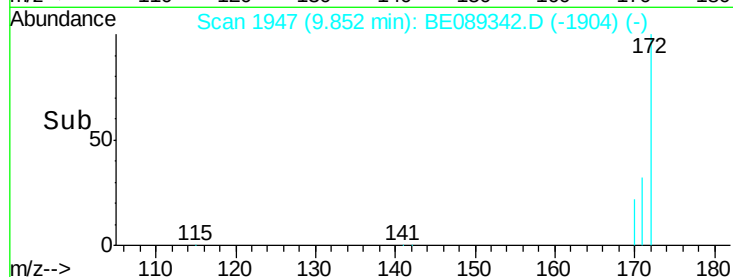
SSTDIC005



Tgt Ion:	172	Resp:	41194
Ion Ratio	Lower	Upper	
172	100		
171	32.3	26.4	39.6
170	21.7	18.0	27.0

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#8

Acenaphthylene

Concen: 5.89 ng

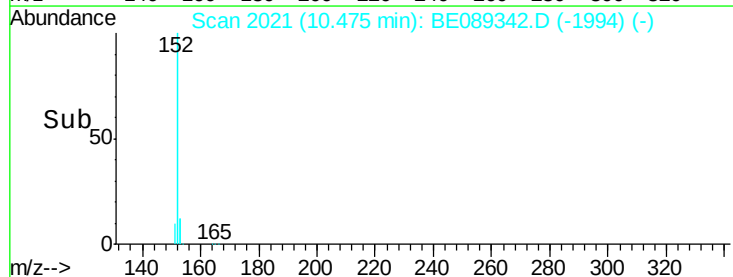
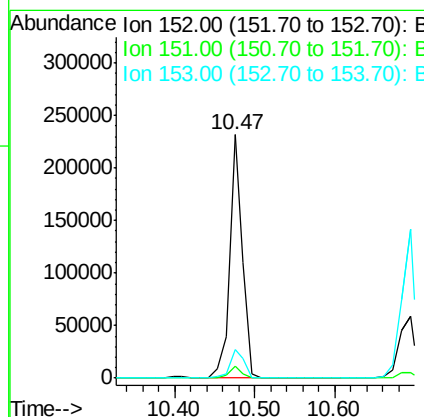
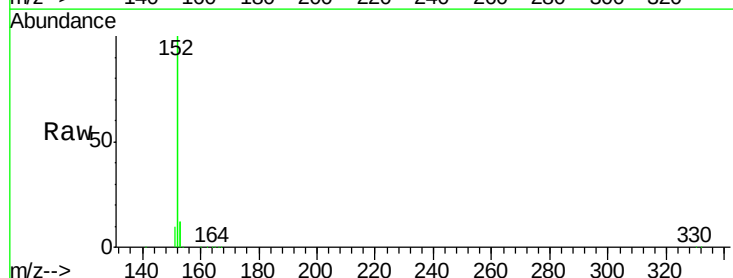
RT: 10.47 min Scan# 2021

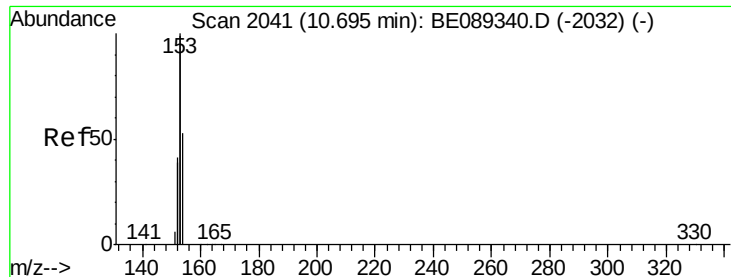
Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:	152	Resp:	260636
Ion Ratio	Lower	Upper	
152	100		
151	5.0	4.1	6.1
153	11.9	9.8	14.6





#9

Acenaphthene

Concen: 5.68 ng

RT: 10.69 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BE089342.D

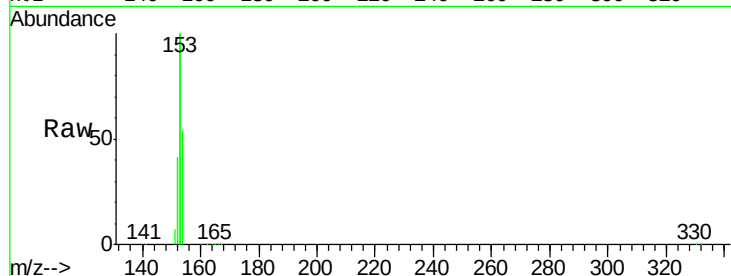
Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

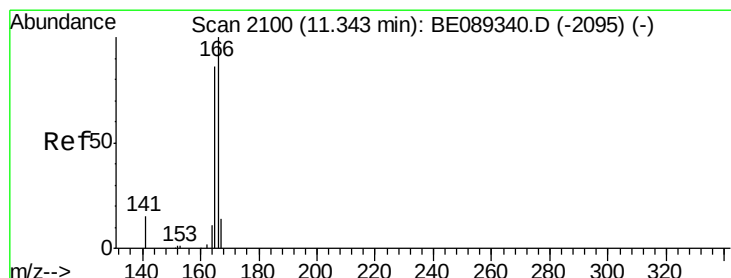
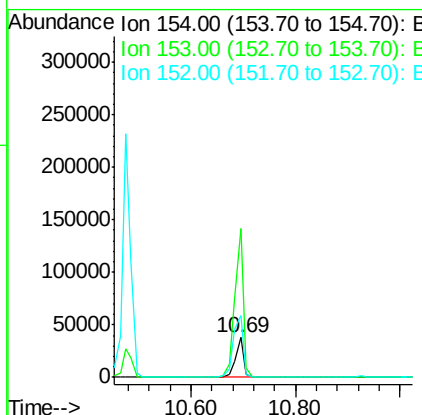
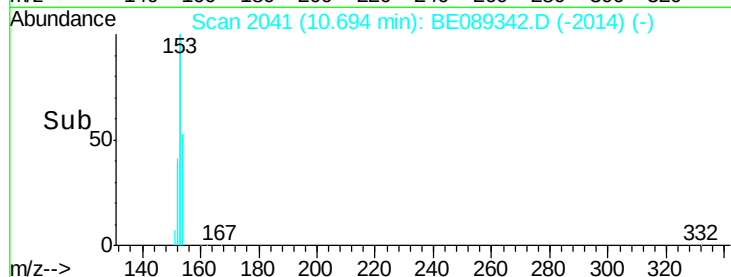
SSTDIC005



Tgt Ion:	154	Resp:	39016
Ion Ratio	Lower	Upper	
154	100		
153	373.8	300.6	450.8
152	154.7	123.3	184.9

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#10

Fluorene

Concen: 5.86 ng

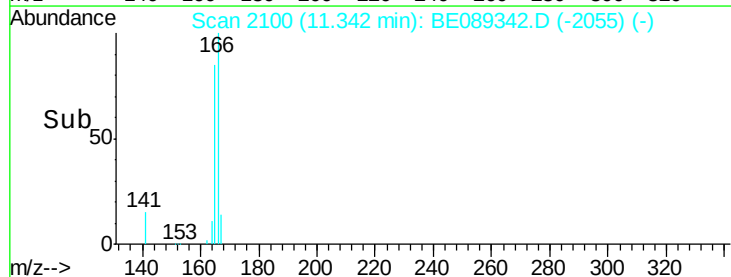
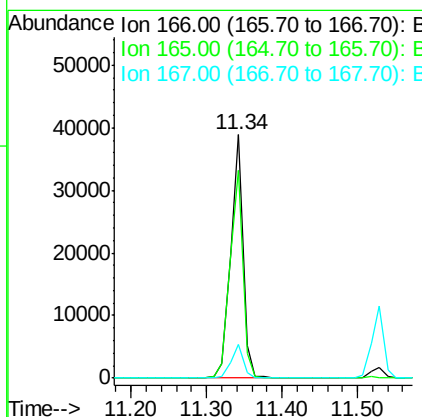
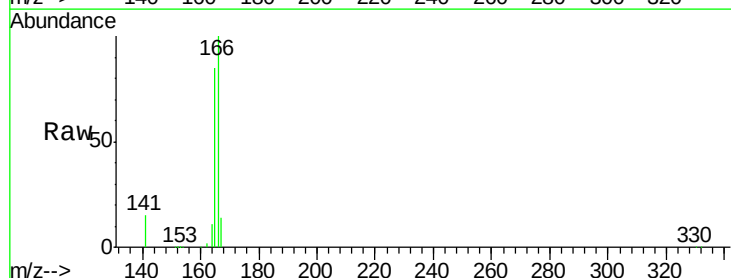
RT: 11.34 min Scan# 2100

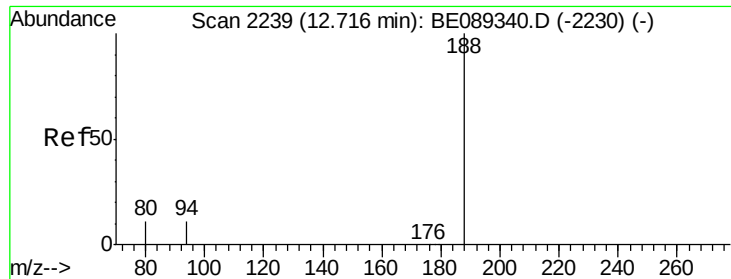
Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:	166	Resp:	43978
Ion Ratio	Lower	Upper	
166	100		
165	89.2	72.1	108.1
167	13.5	11.0	16.4





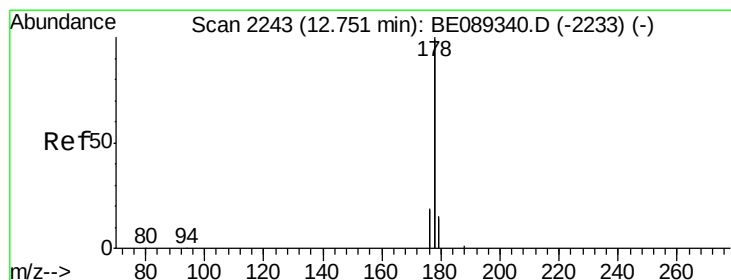
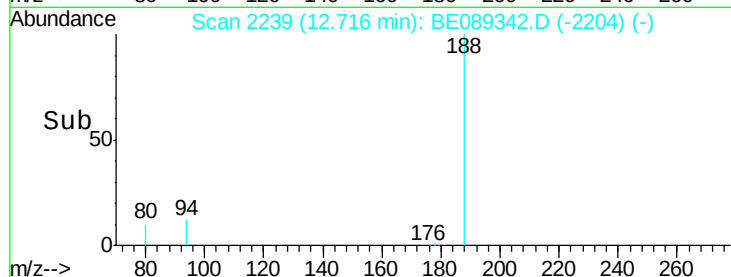
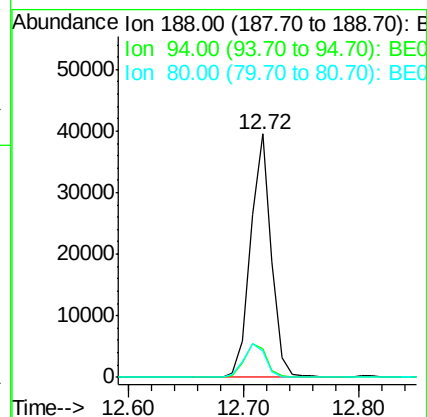
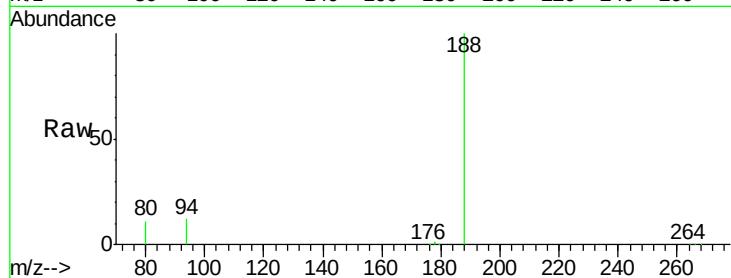
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	11.0	12.2
80	10.5	10.1	11.1

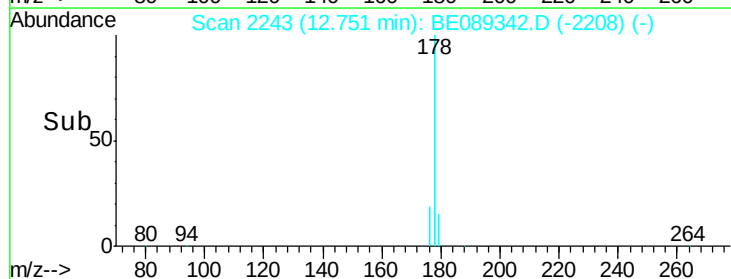
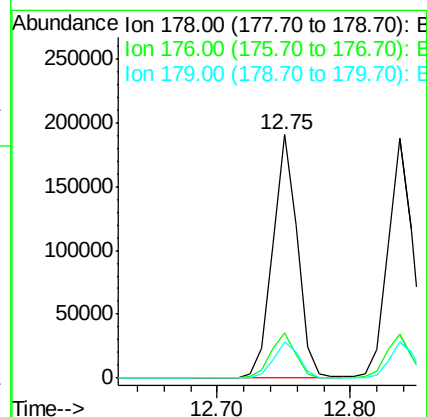
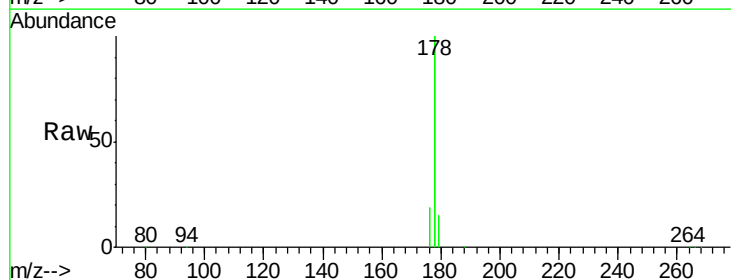
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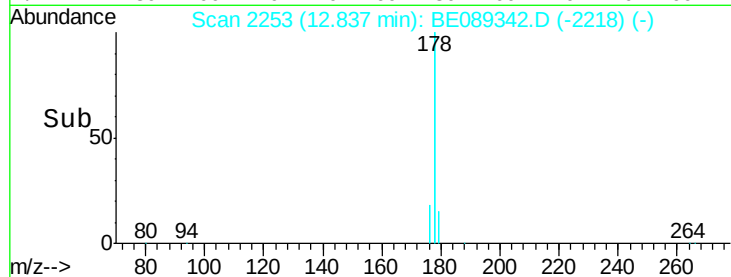
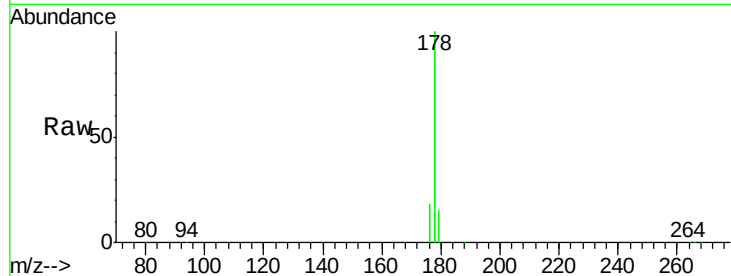
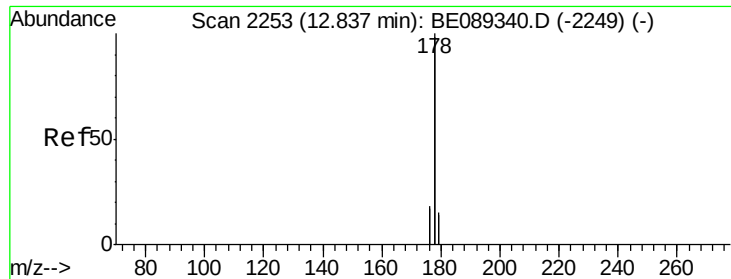
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#12
Phenanthrene
Concen: 5.36 ng
RT: 12.75 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	14.9	12.2	18.2





#13

Anthracene

Concen: 5.87 ng

RT: 12.84 min Scan# 2253

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:	178	Resp:	245069
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.7	22.1
179	15.1	12.0	18.0

Instrument :

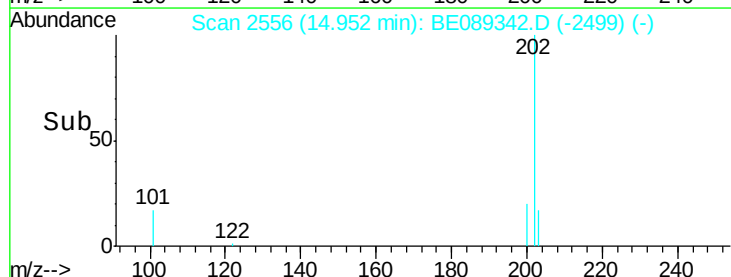
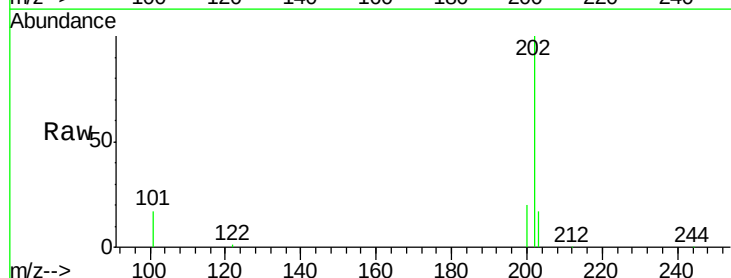
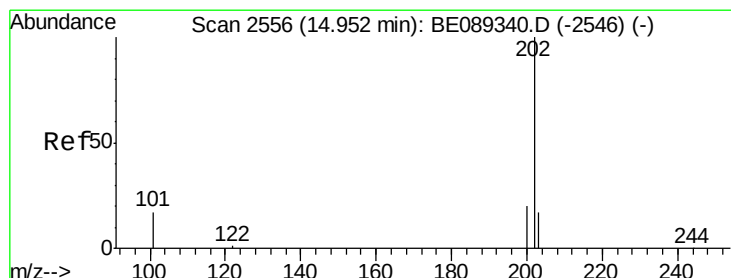
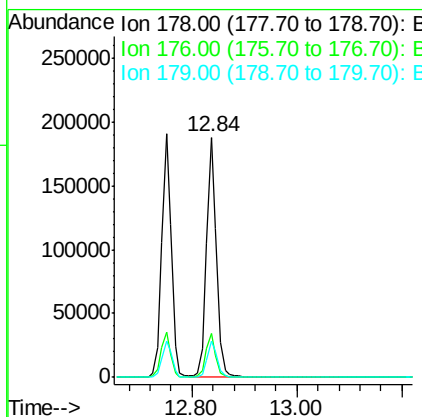
BNA_E

LabSampleId :

SSTDIC005

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#14

Fluoranthene

Concen: 5.63 ng

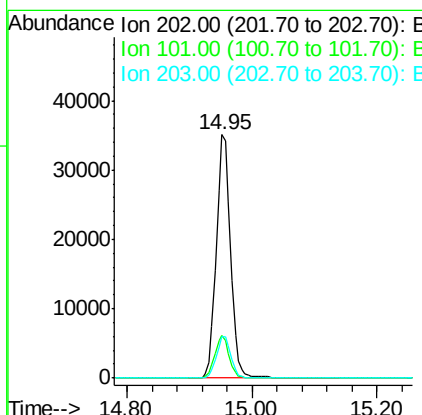
RT: 14.95 min Scan# 2556

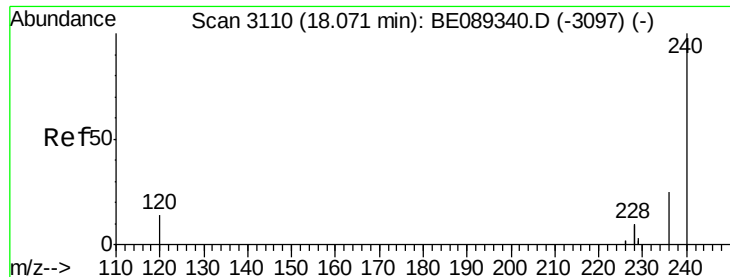
Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:	202	Resp:	55274
Ion Ratio	Lower	Upper	
202	100		
101	17.4	0.0	37.9
203	17.2	0.0	37.5





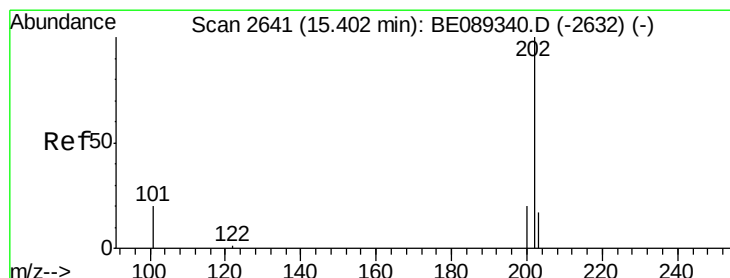
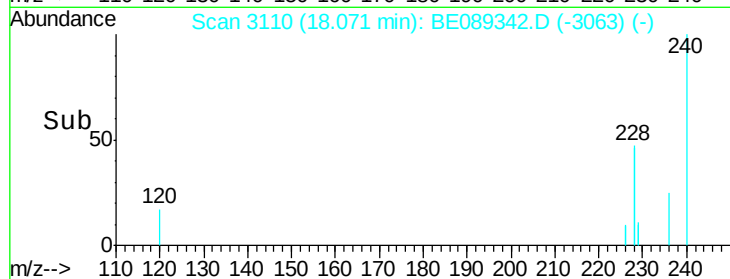
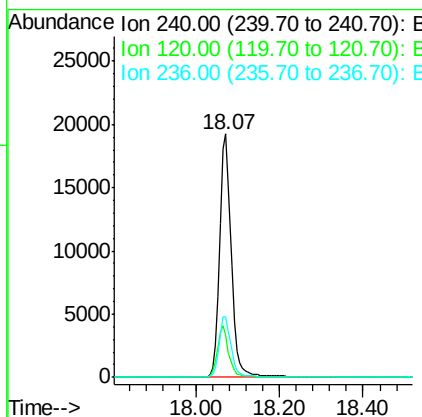
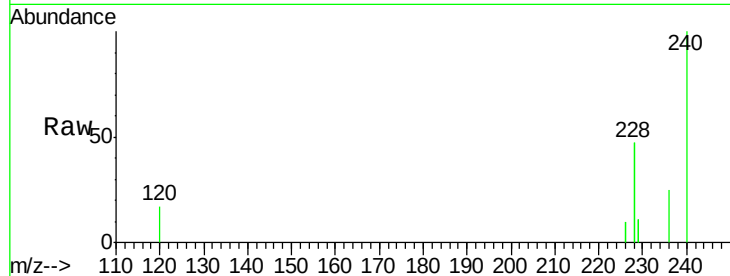
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.4	11.8	17.6
236	25.1	20.0	30.0

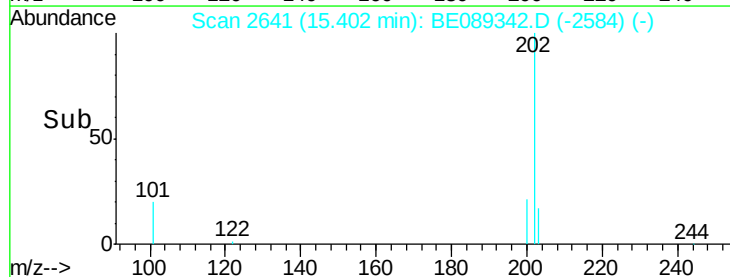
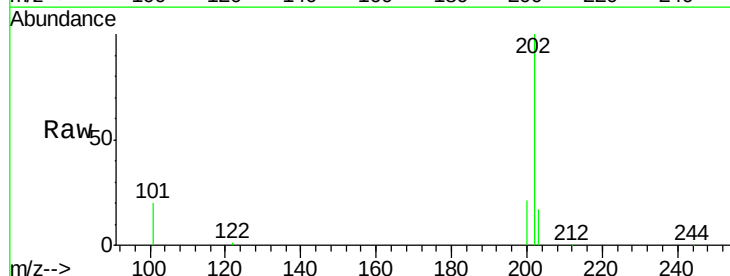
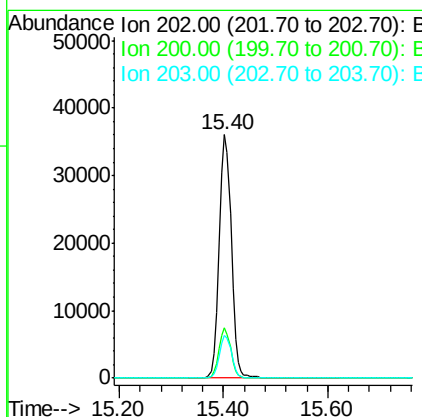
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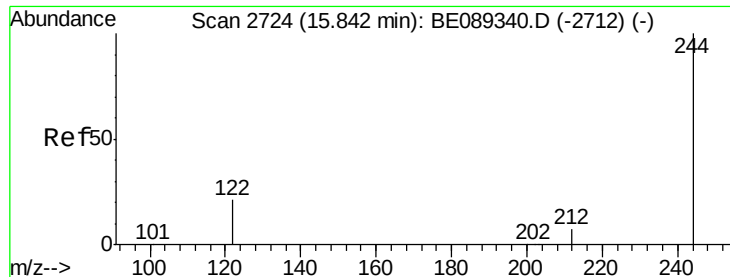
TEJASKUMAR
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#16
Pyrene
Concen: 6.61 ng
RT: 15.40 min Scan# 2641
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.3	14.0	21.0





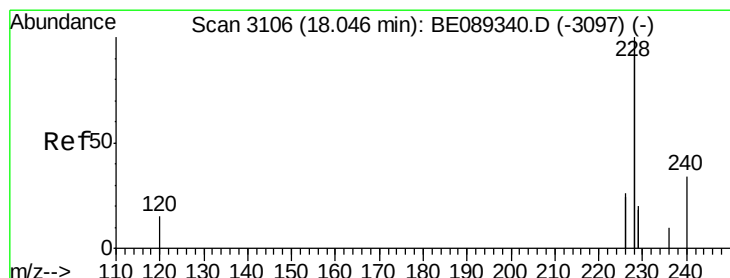
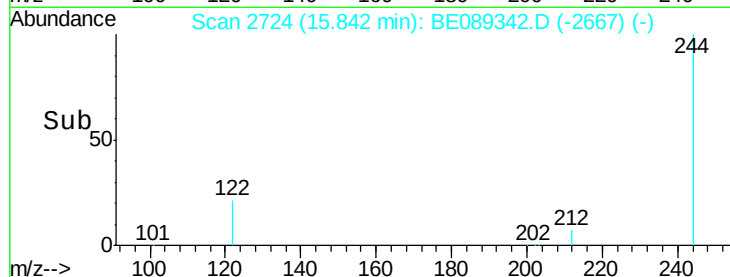
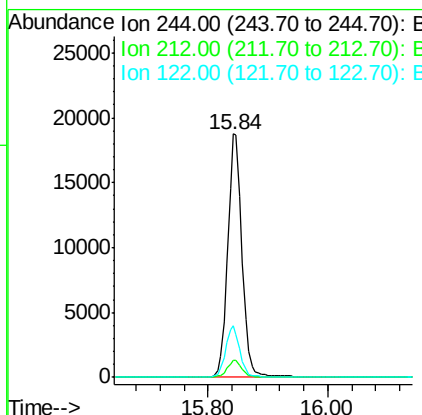
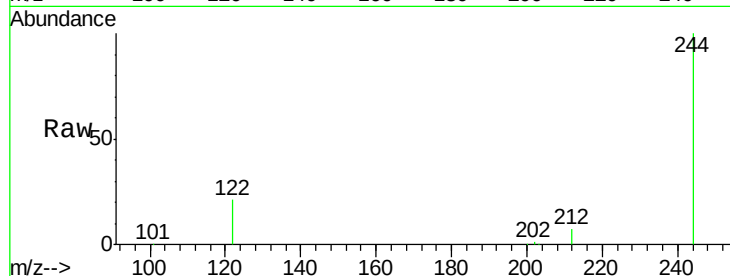
#17
 Terphenyl-d14
 Concen: 5.90 ng
 RT: 15.84 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	21.2	17.7	26.5

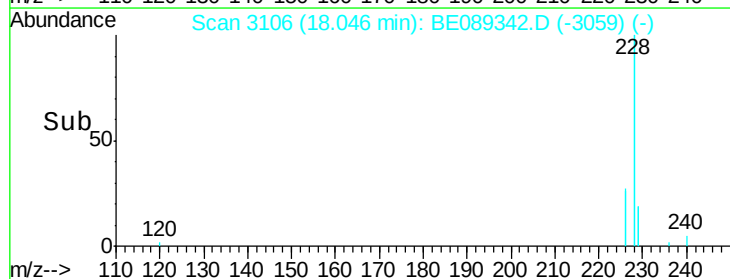
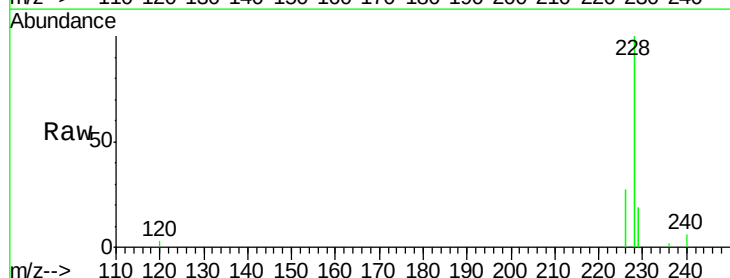
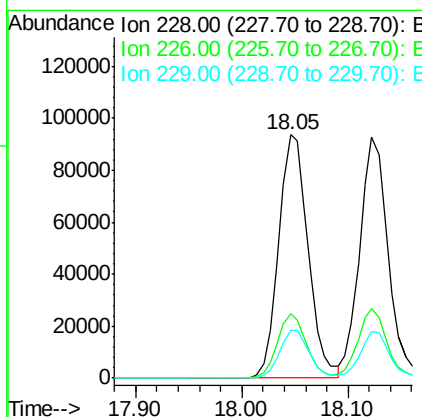
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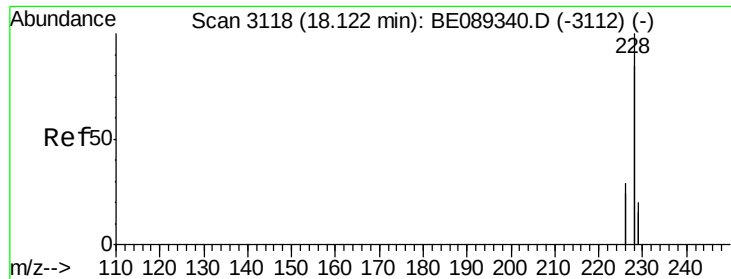
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#18
 Benzo(a)anthracene
 Concen: 6.01 ng
 RT: 18.05 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.6
229	19.4	16.0	24.0





#19

Chrysene

Concen: 5.72 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BE089342.D

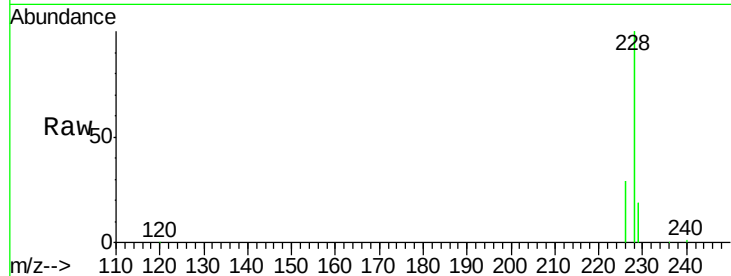
Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

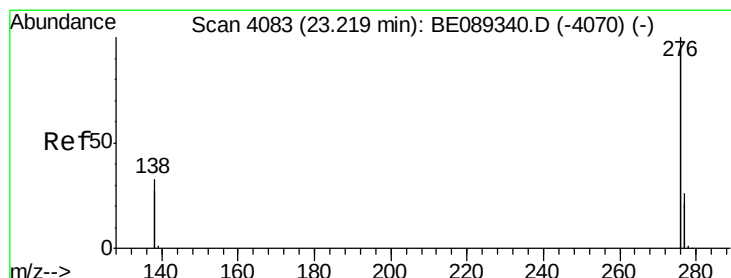
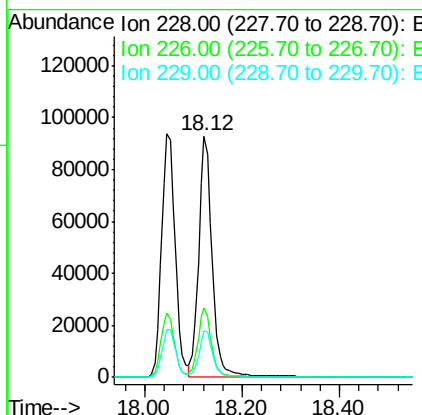
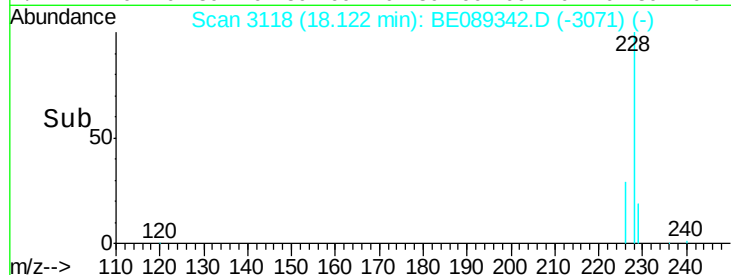
SSTDIC005



Tgt Ion:	228	Resp:	176539
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.5	35.3
229	19.3	16.1	24.1

Manual Integrations
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#20

Indeno(1,2,3-cd)pyrene

Concen: 6.05 ng m

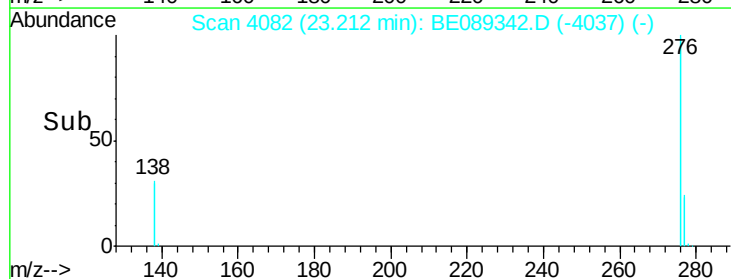
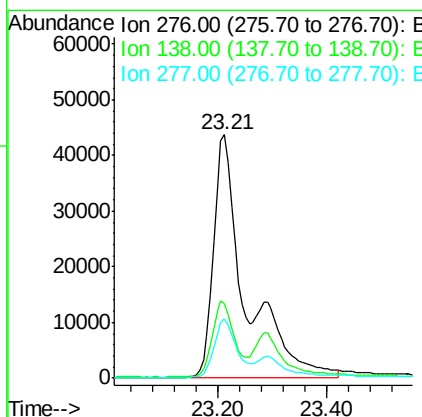
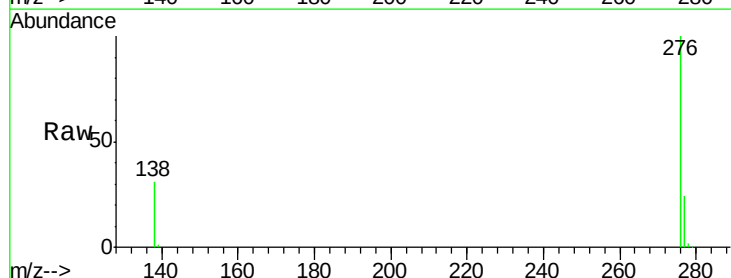
RT: 23.21 min Scan# 4082

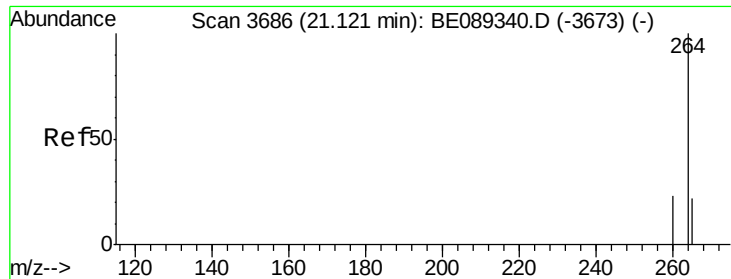
Delta R.T. -0.01 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

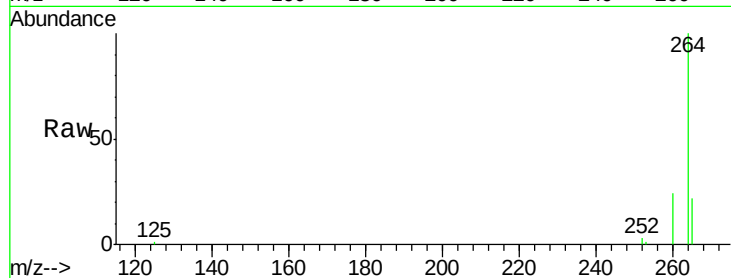
Tgt Ion:	276	Resp:	179491
Ion Ratio	Lower	Upper	
276	100		
138	21.1	23.8	35.8#
277	16.2	18.2	27.4#





#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3685
 Delta R.T. -0.01 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

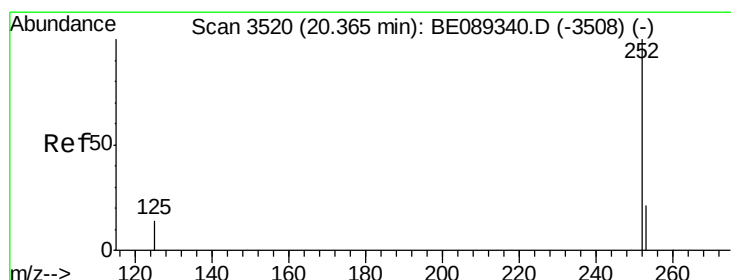
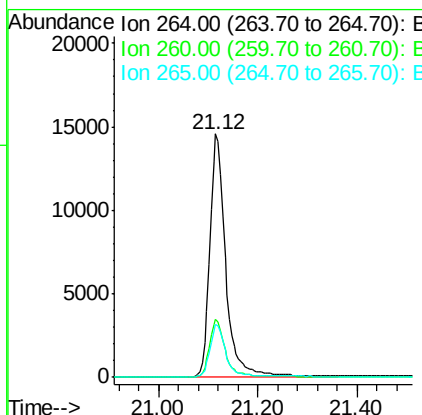
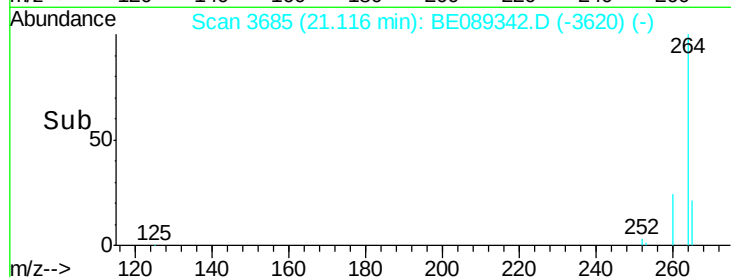
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005



Tgt Ion:	264	Resp:	31984
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.9	28.3
265	21.6	17.4	26.2

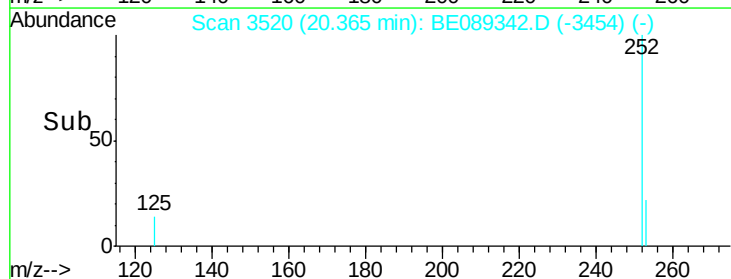
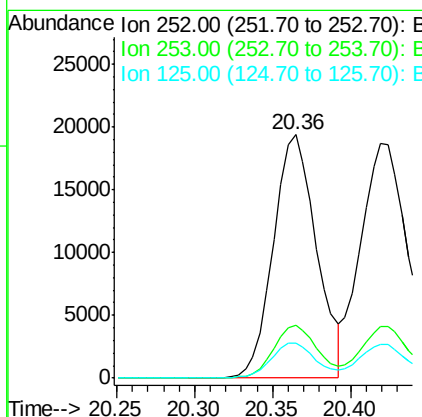
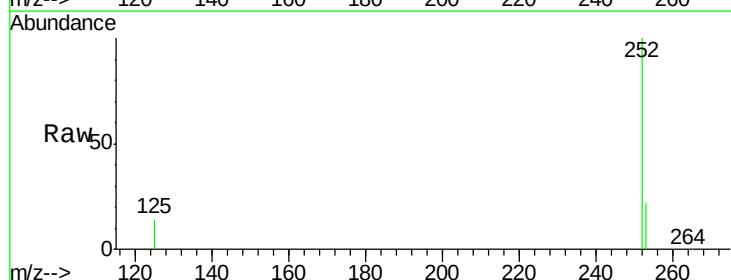
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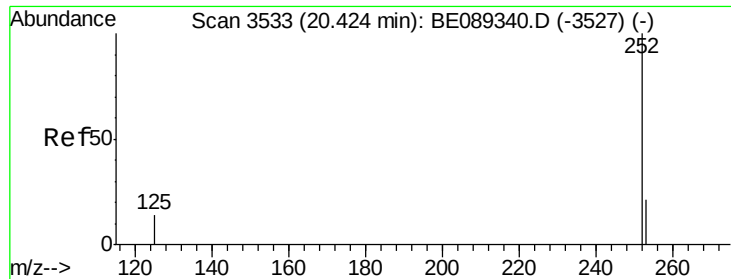
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#22
Benzo(b)fluoranthene
 Concen: 5.81 ng
 RT: 20.36 min Scan# 3520
 Delta R.T. -0.00 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

Tgt Ion:	252	Resp:	36926
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	14.3	12.6	18.8





#23

Benzo(k)fluoranthene

Concen: 5.40 ng

RT: 20.42 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BE089342.D

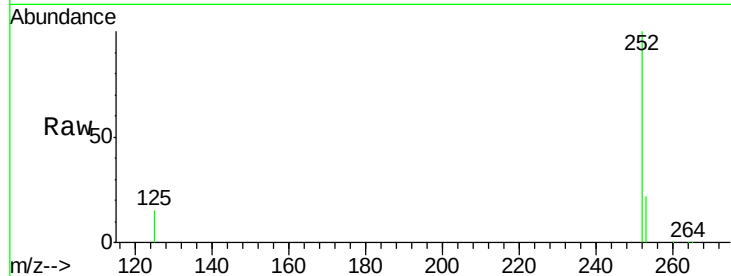
Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

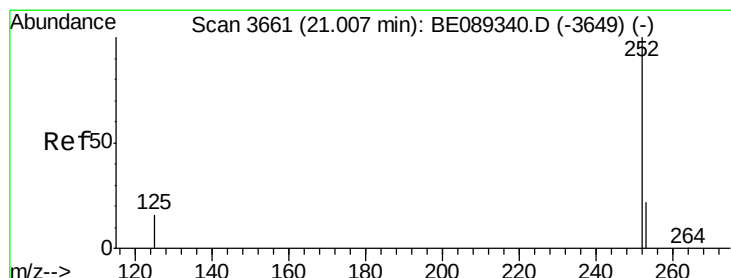
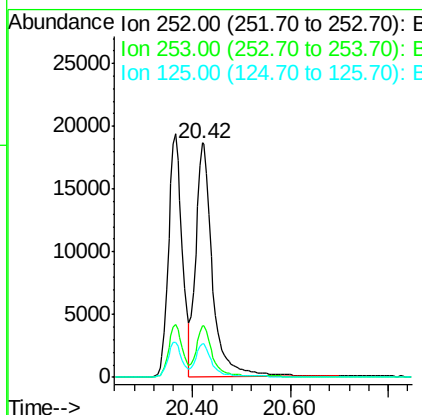
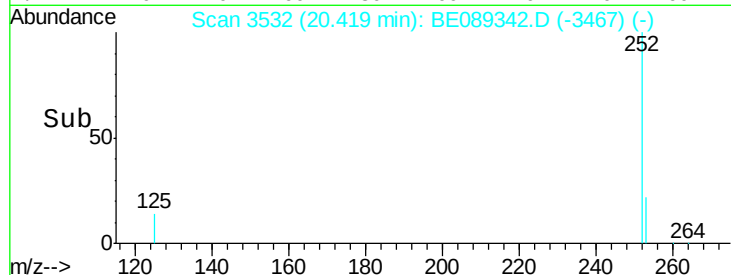
SSTDICC005



Tgt Ion:	252	Resp:	44221
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.0	27.0
125	14.6	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 6.06 ng

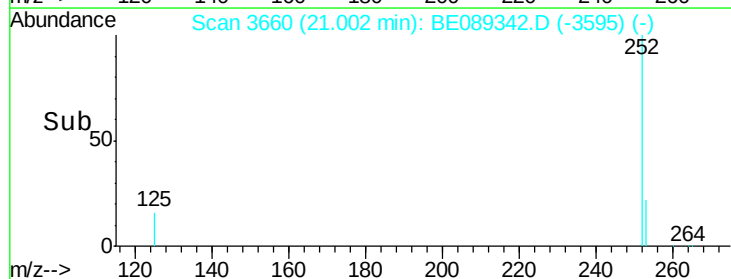
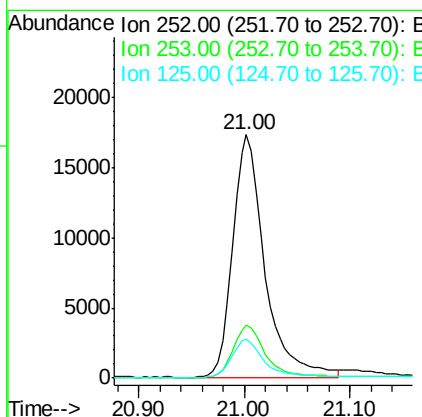
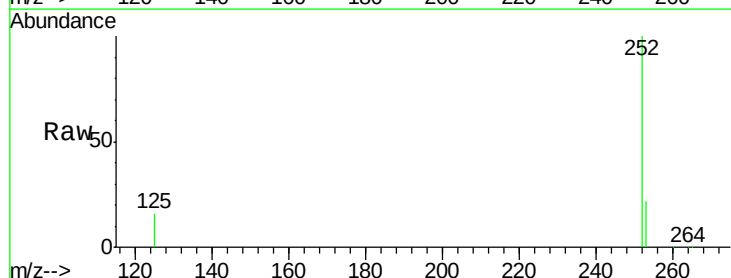
RT: 21.00 min Scan# 3660

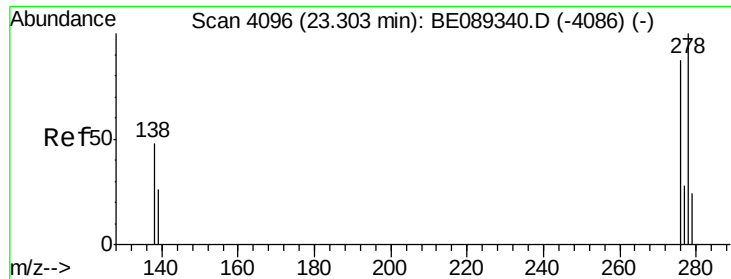
Delta R.T. -0.01 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

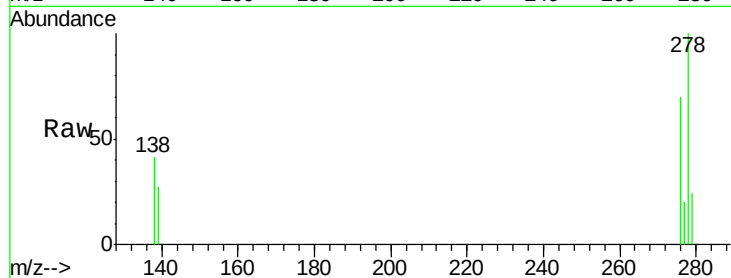
Tgt Ion:	252	Resp:	36471
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.3	27.5
125	15.8	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 5.36 ng
RT: 23.29 min Scan# 4094
Delta R.T. -0.01 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

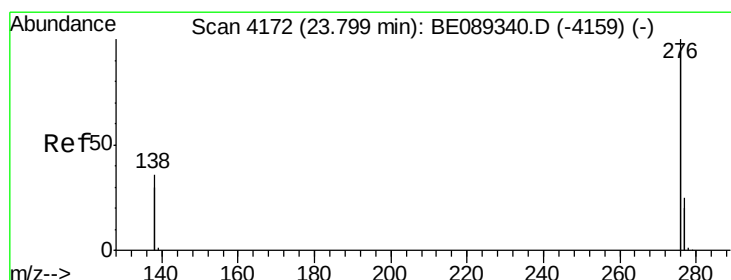
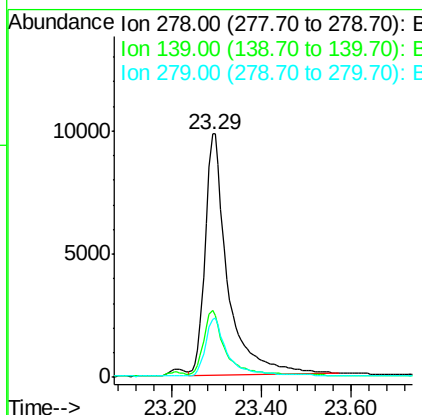
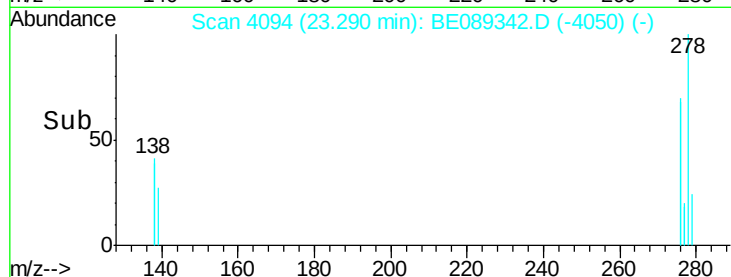
Instrument :
BNA_E
LabSampleId :
SSTDIC005



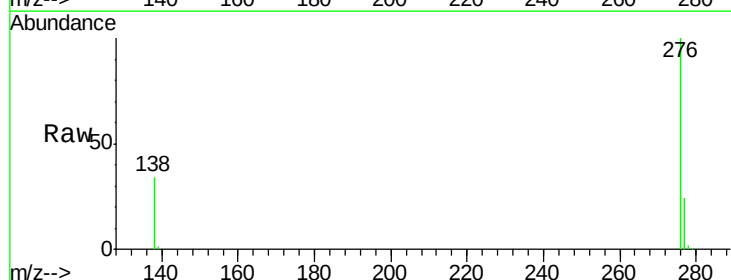
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	22.9	34.3
279	23.9	20.8	31.2

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#26
Benzo(g,h,i)perylene
Concen: 5.70 ng
RT: 23.79 min Scan# 4171
Delta R.T. -0.01 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.0	30.0
138	34.3	28.5	42.7

