

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089341.D
 Acq On : 7 Jan 2015 22:38
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jan 08 05:48:00 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	16824	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	64394	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	29451	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	45771	5.00	ng	0.00
15) Chrysene-d12	18.07	240	35497	5.00	ng	0.00
21) Perylene-d12	21.12	264	32467	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	9578	2.36	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	16485	2.15	ng	0.00
17) Terphenyl-d14	15.85	244	12563	2.40	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	28679	2.22	ng	99
5) 2-Methylnaphthalene	9.39	142	17888	2.32	ng	95
8) Acenaphthylene	10.47	152	101186	2.42	ng	98
9) Acenaphthene	10.69	154	15216	2.35	ng	94
10) Fluorene	11.34	166	16903	2.39	ng	99
12) Phenanthrene	12.75	178	95149	2.25	ng	99
13) Anthracene	12.84	178	94734	2.44	ng	98
14) Fluoranthene	14.96	202	21657	2.37	ng	98
16) Pyrene	15.40	202	22995	2.65	ng	99
18) Benzo(a)anthracene	18.05	228	70826	2.42	ng	99
19) Chrysene	18.12	228	71867	2.37	ng	99
20) Indeno(1,2,3-cd)pyrene	23.21	276	74142m	2.54	ng	
22) Benzo(b)fluoranthene	20.36	252	14818	2.30	ng	99
23) Benzo(k)fluoranthene	20.42	252	17940	2.16	ng	99
24) Benzo(a)pyrene	21.00	252	14427	2.36	ng	98
25) Dibenzo(a,h)anthracene	23.30	278	13344	2.07	ng	97
26) Benzo(g,h,i)perylene	23.79	276	65818	2.26	ng	99

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

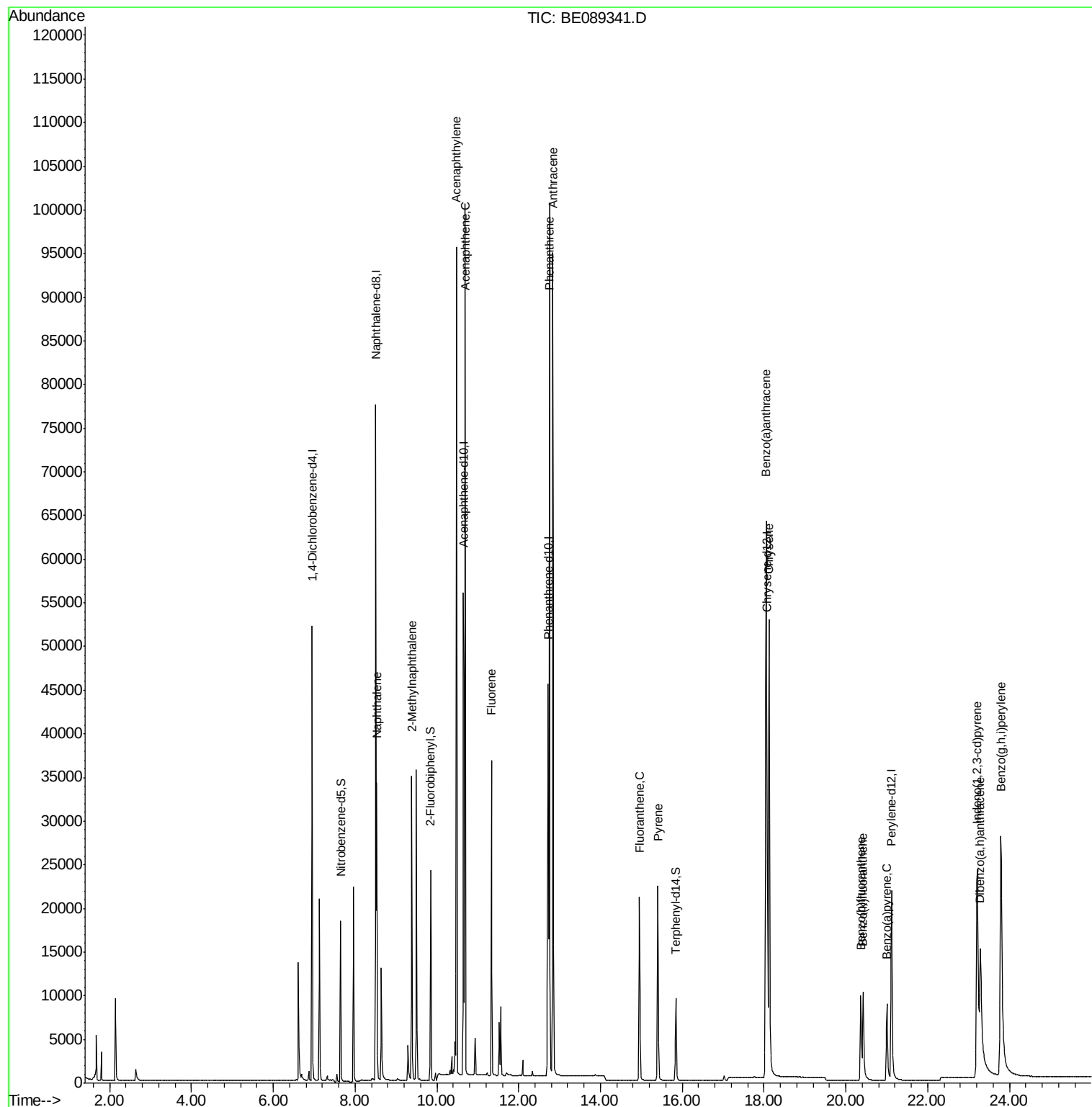
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
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ALS Vial : 17 Sample Multiplier: 1

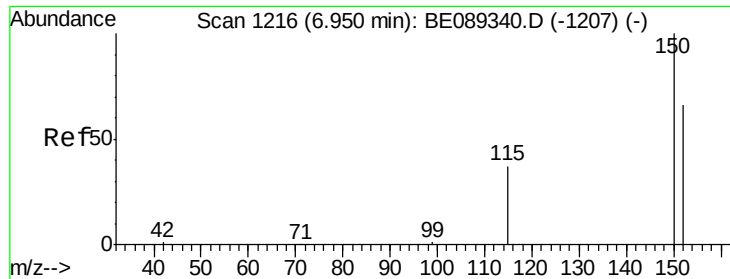
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BE089341.D

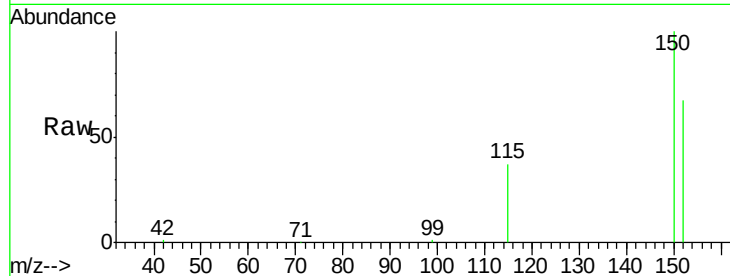
Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

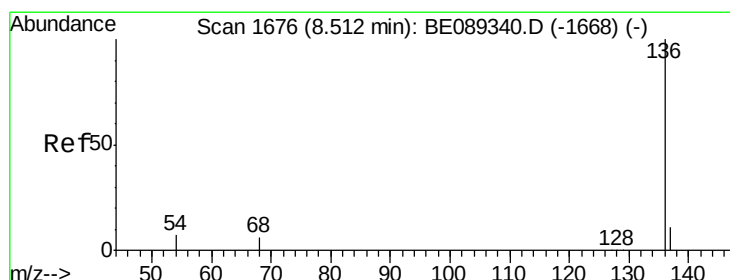
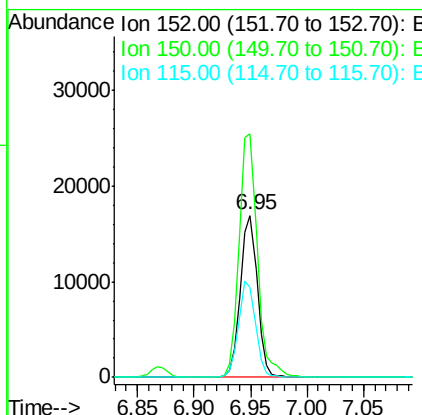
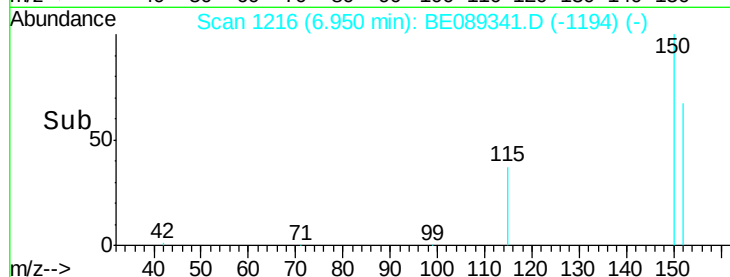
SSTDICC002



Tgt Ion:	152	Resp:	16824
Ion Ratio	Lower	Upper	
152	100		
150	150.3	121.5	182.3
115	55.8	45.2	67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

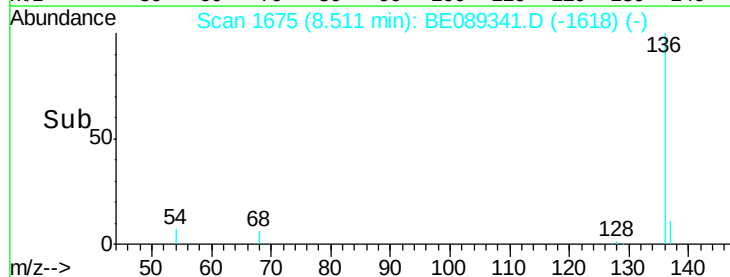
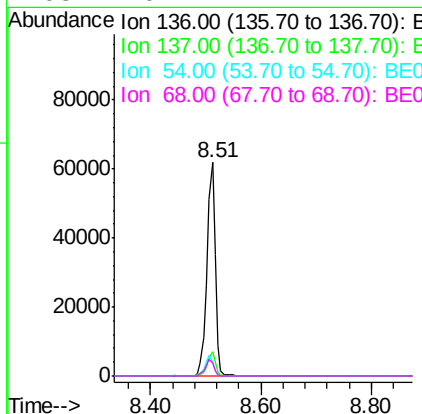
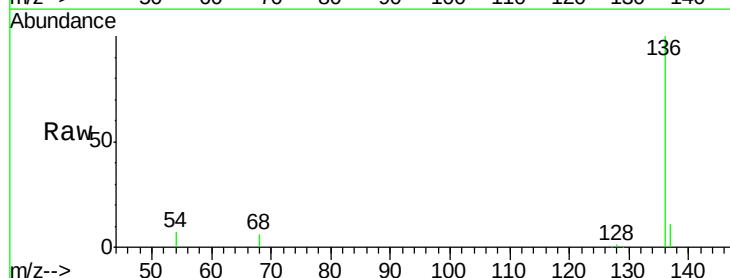
RT: 8.51 min Scan# 1675

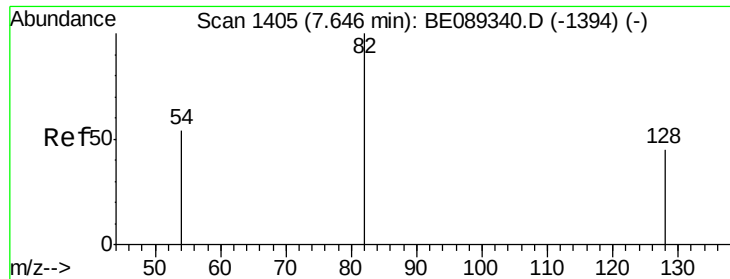
Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Tgt Ion:	136	Resp:	64394
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	6.8	5.4	8.0
68	6.1	4.7	7.1





#3

Nitrobenzene-d5

Concen: 2.36 ng

RT: 7.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE089341.D

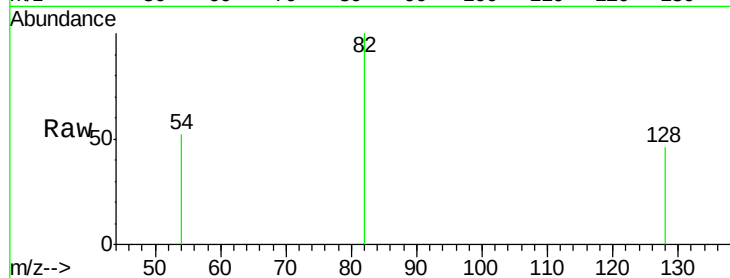
Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002



Tgt Ion: 82 Resp: 9578

Ion Ratio Lower Upper

82 100

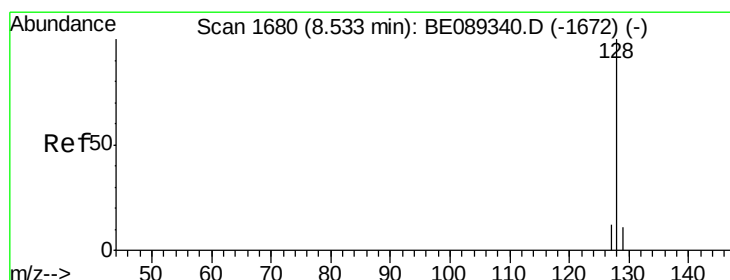
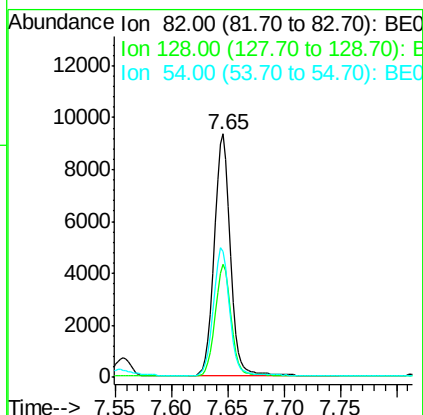
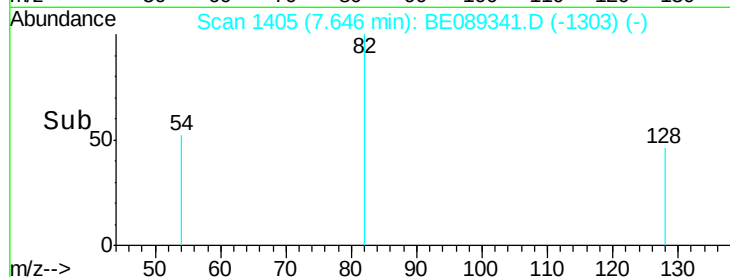
128 46.2 36.5 54.7

54 51.8 43.5 65.3

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#4

Naphthalene

Concen: 2.22 ng

RT: 8.53 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

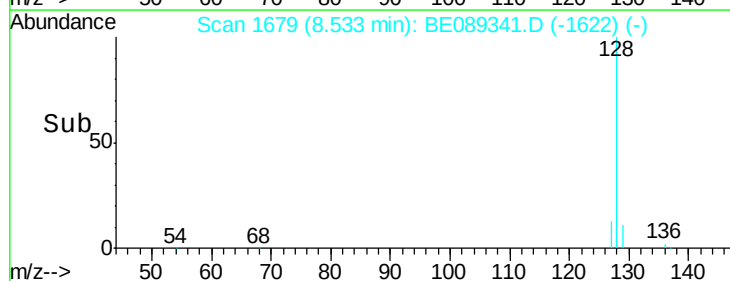
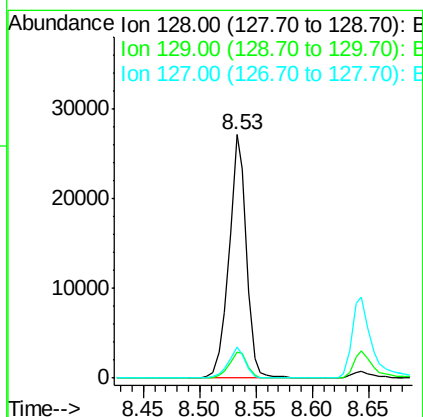
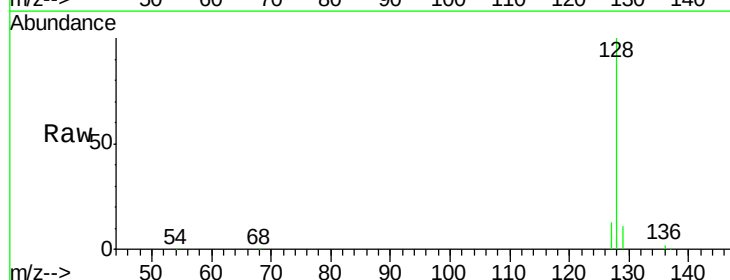
Tgt Ion: 128 Resp: 28679

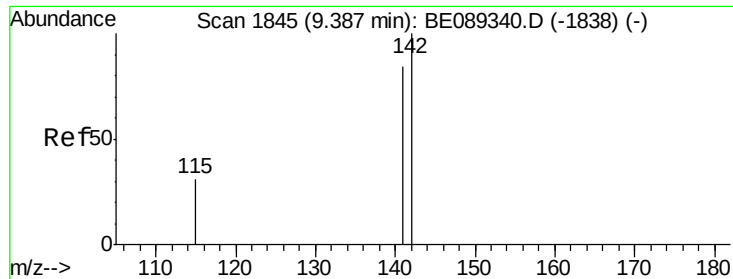
Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 12.8 10.0 15.0





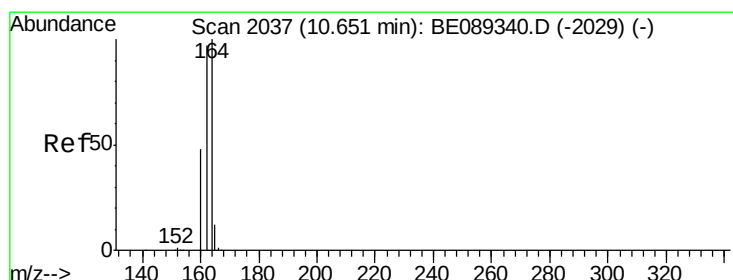
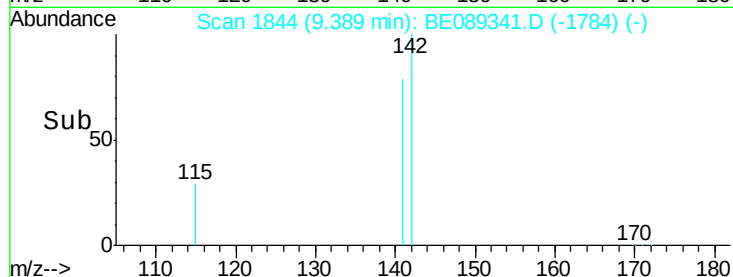
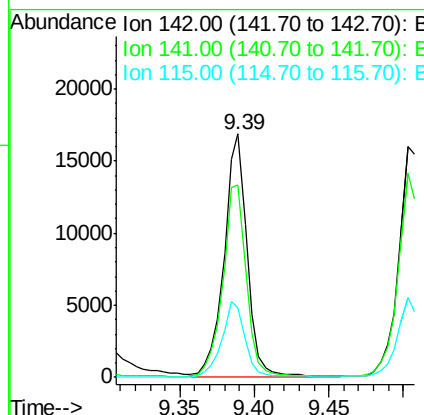
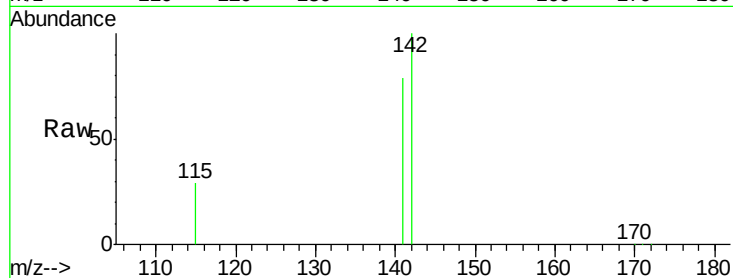
#5
2-Methylnaphthalene
Concen: 2.32 ng
RT: 9.39 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Instrument :
BNA_E
LabSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
142	100		
141	78.8	66.3	99.5
115	28.6	25.2	37.8

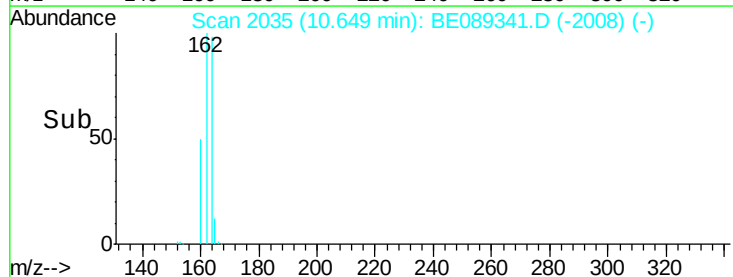
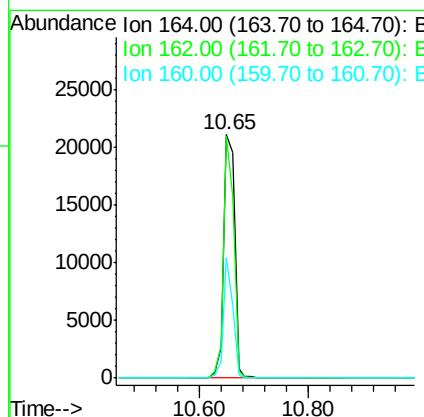
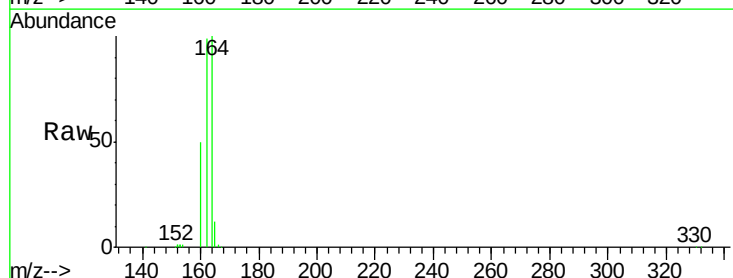
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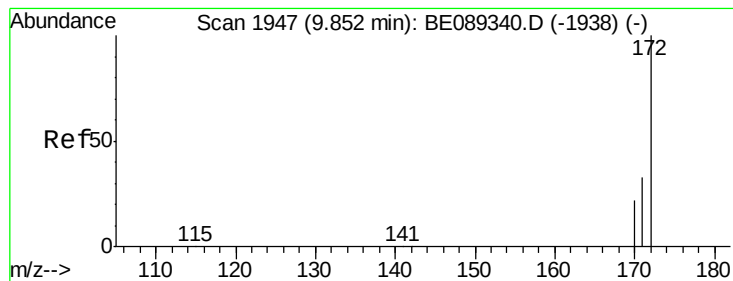
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#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	77.4	116.2
160	49.6	38.2	57.4





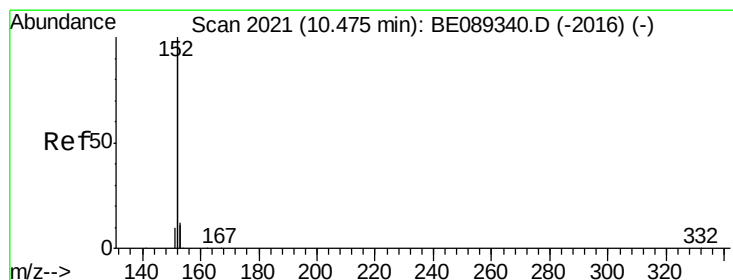
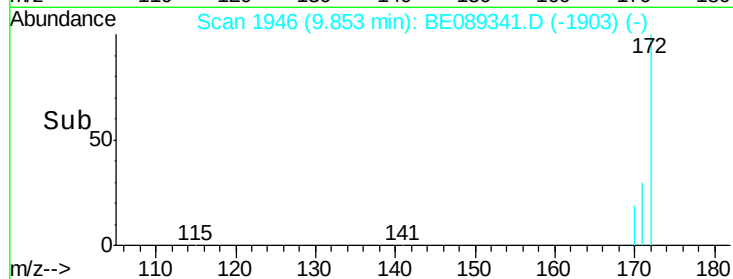
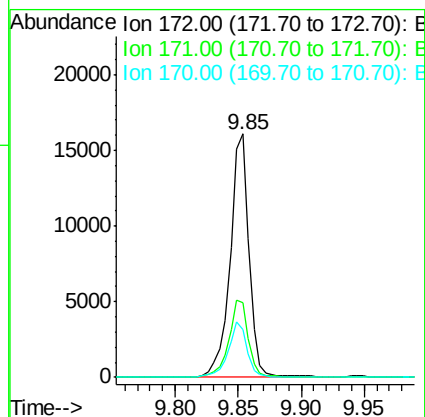
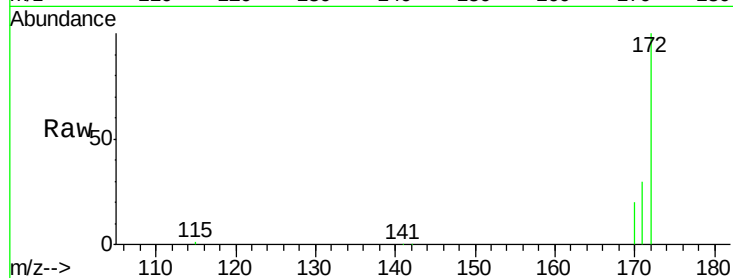
#7
2-Fluorobiphenyl
Concen: 2.15 ng
RT: 9.85 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tgt Ion	Ratio	Lower	Upper
172	100		
171	30.5	26.4	39.6
170	19.7	18.0	27.0

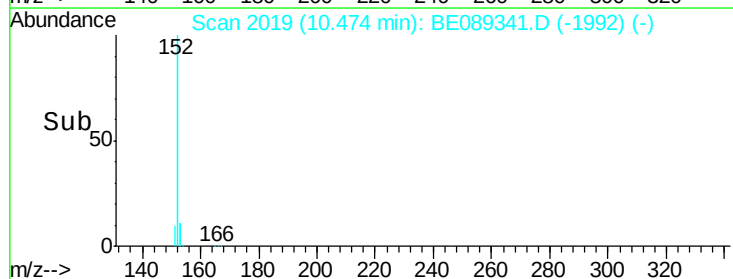
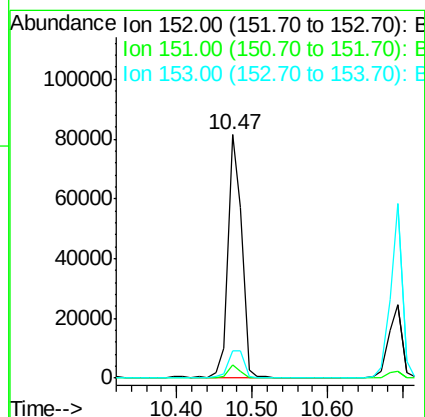
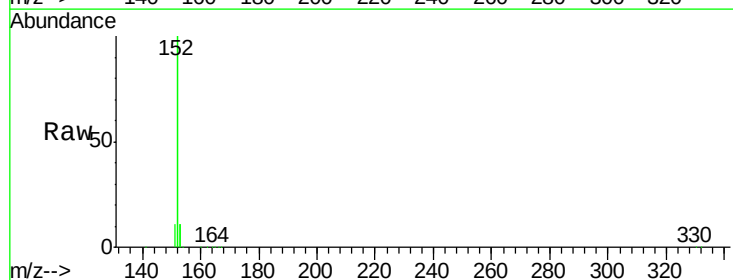
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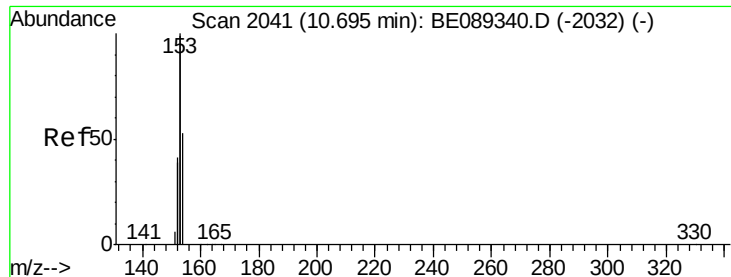
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#8
Acenaphthylene
Concen: 2.42 ng
RT: 10.47 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.3	4.1	6.1
153	11.5	9.8	14.6





#9

Acenaphthene

Concen: 2.35 ng

RT: 10.69 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BE089341.D

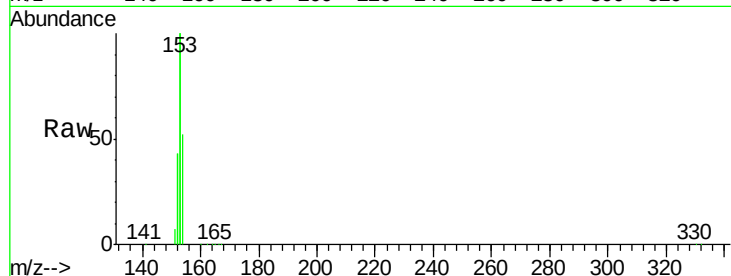
Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

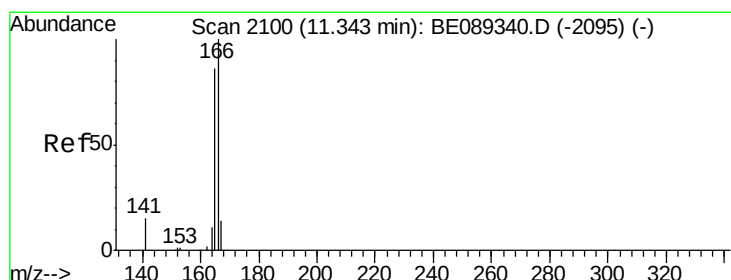
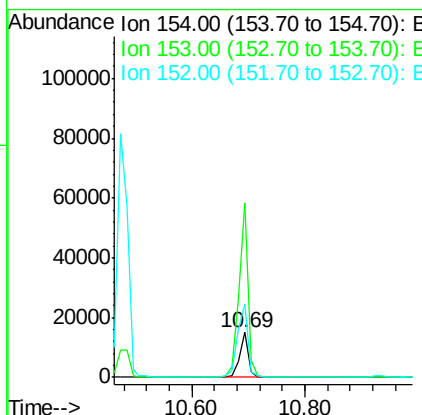
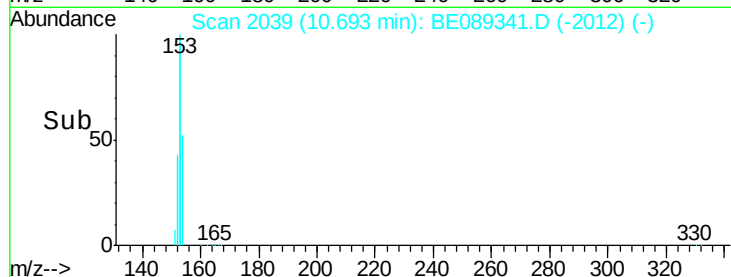
SSTDICC002



Tgt Ion:	154	Resp:	15216
Ion Ratio	Lower	Upper	
154	100		
153	386.3	300.6	450.8
152	164.2	123.3	184.9

Manual Integrations
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#10

Fluorene

Concen: 2.39 ng

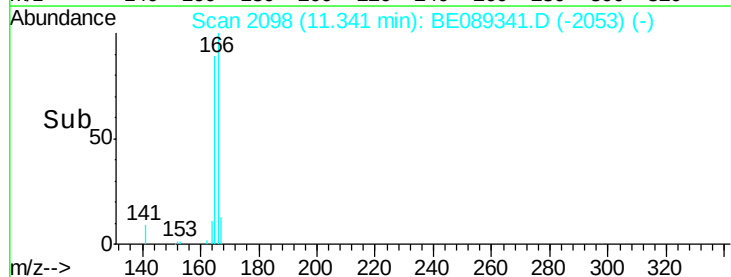
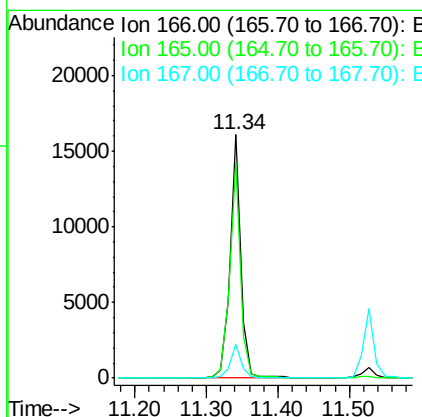
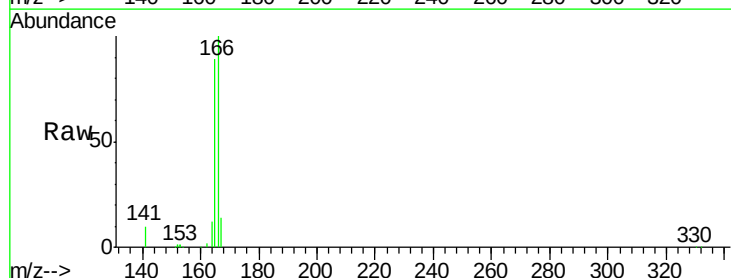
RT: 11.34 min Scan# 2098

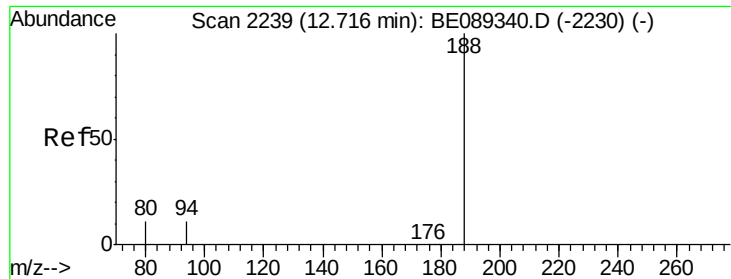
Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Tgt Ion:	166	Resp:	16903
Ion Ratio	Lower	Upper	
166	100		
165	89.4	72.1	108.1
167	13.4	11.0	16.4





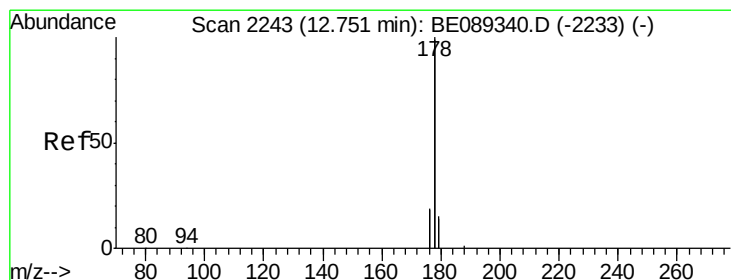
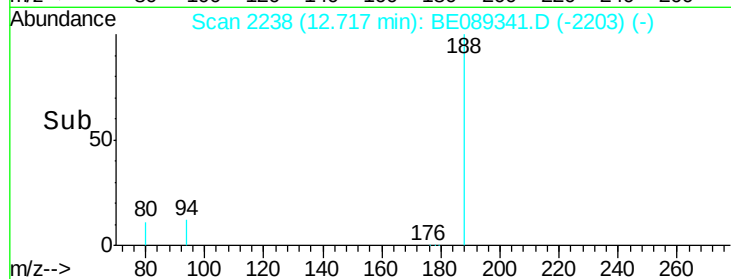
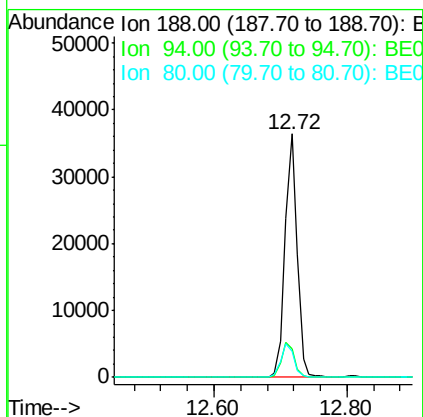
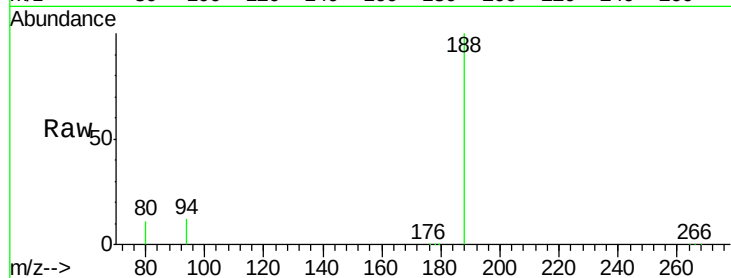
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	11.0	12.2
80	10.7	10.1	11.1

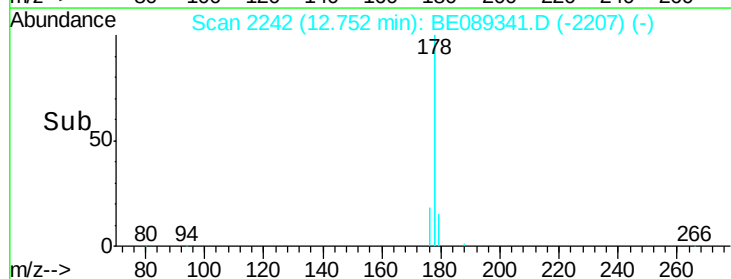
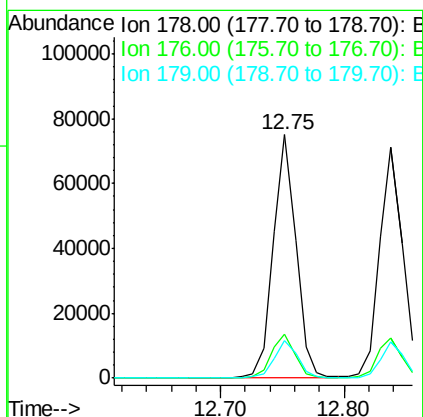
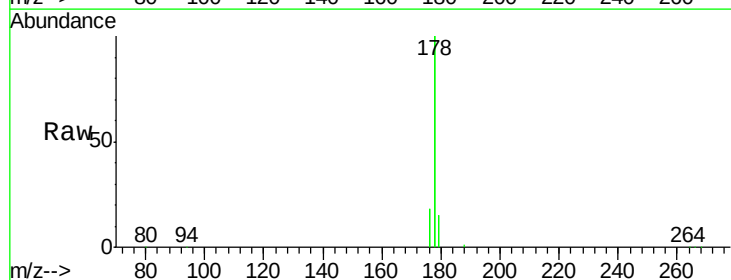
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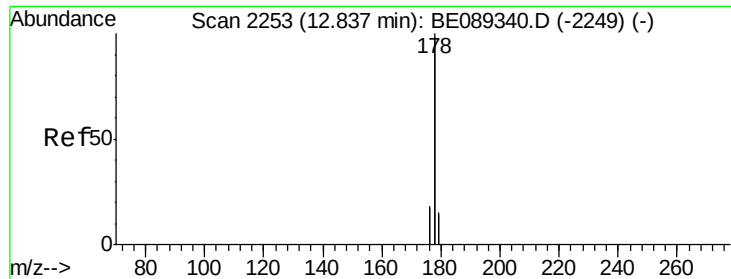
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#12
Phenanthrene
Concen: 2.25 ng
RT: 12.75 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.3	12.2	18.2





#13

Anthracene

Concen: 2.44 ng

RT: 12.84 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BE089341.D

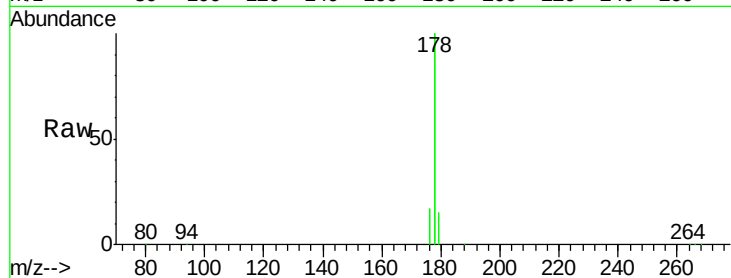
Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002



Tgt Ion:178 Resp: 94734

Ion Ratio Lower Upper

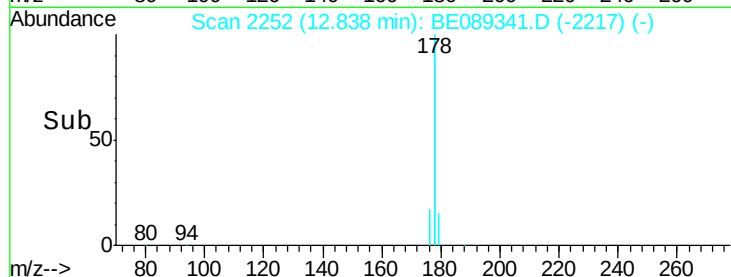
178 100

176 17.4 14.7 22.1

179 15.4 12.0 18.0

Manual Integrations
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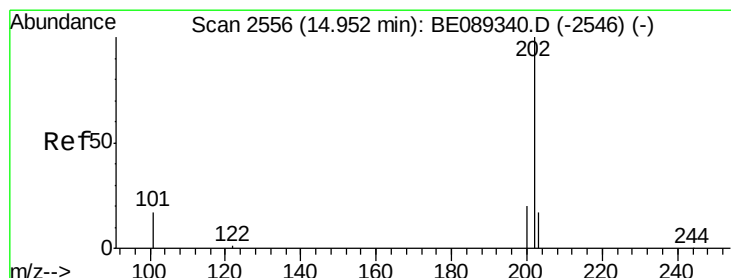
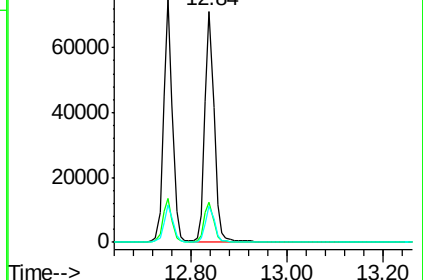
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#14

Fluoranthene

Concen: 2.37 ng

RT: 14.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

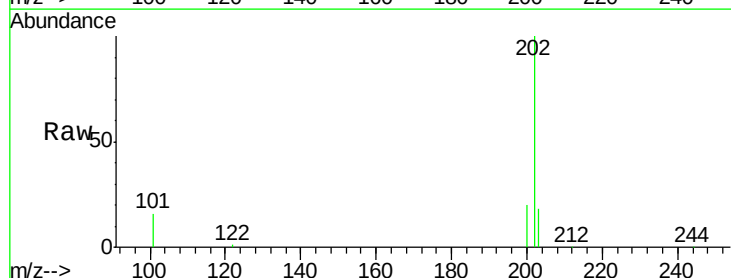
Tgt Ion:202 Resp: 21657

Ion Ratio Lower Upper

202 100

101 16.4 0.0 37.9

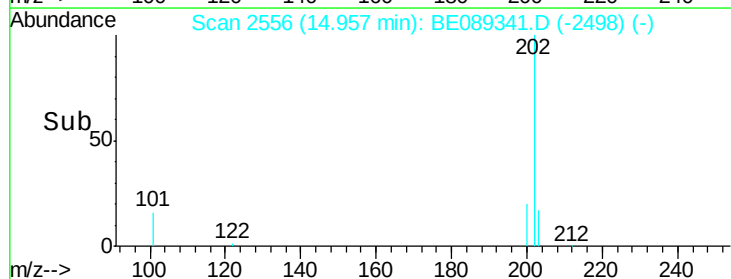
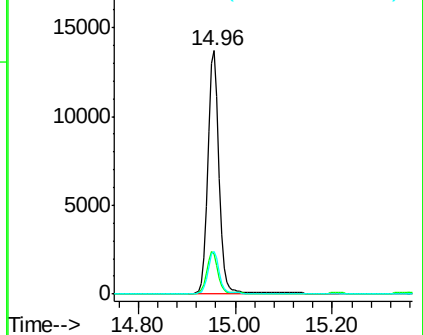
203 17.6 0.0 37.5

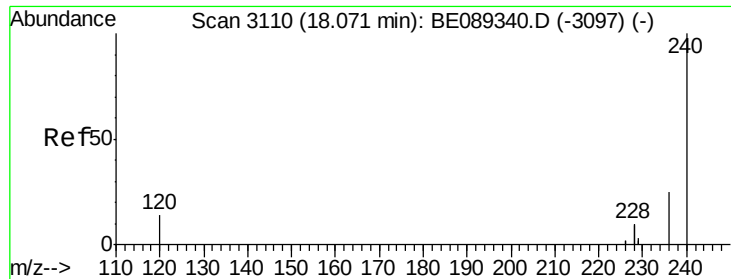


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





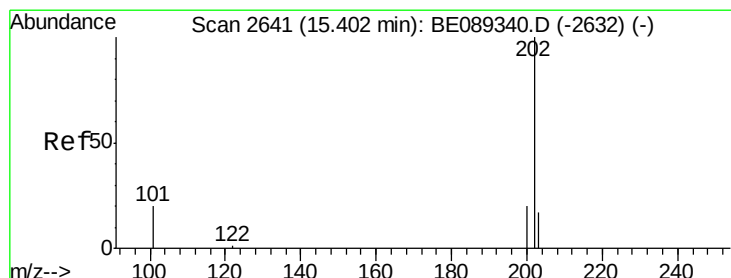
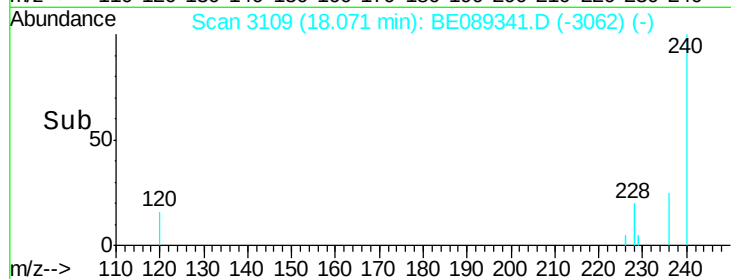
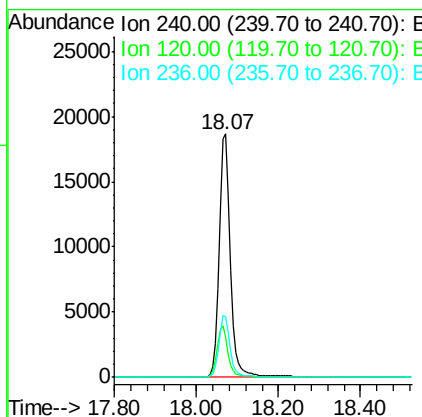
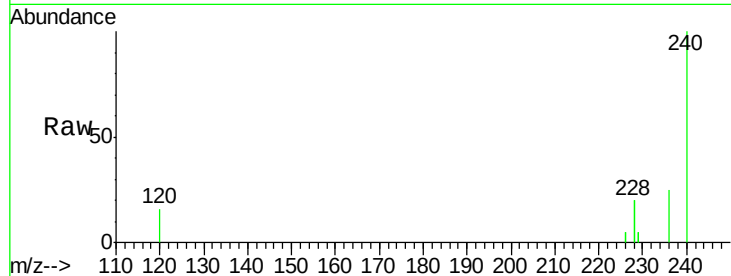
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Instrument :
BNA_E
LabSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.5	11.8	17.6
236	25.1	20.0	30.0

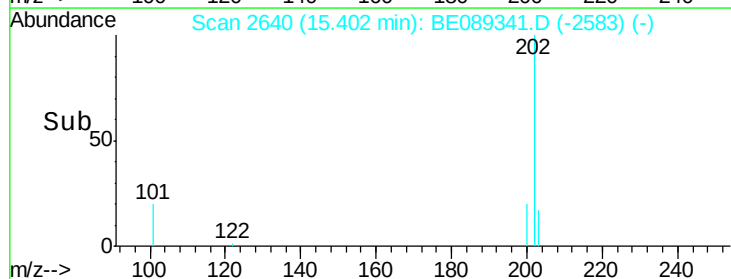
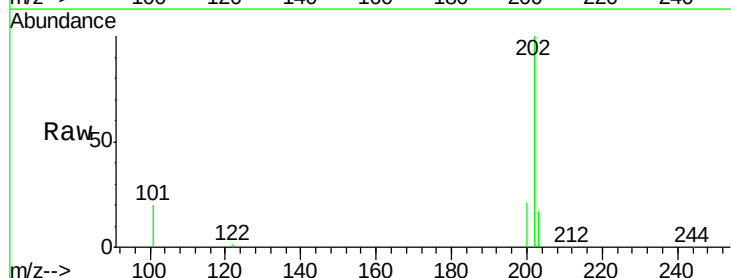
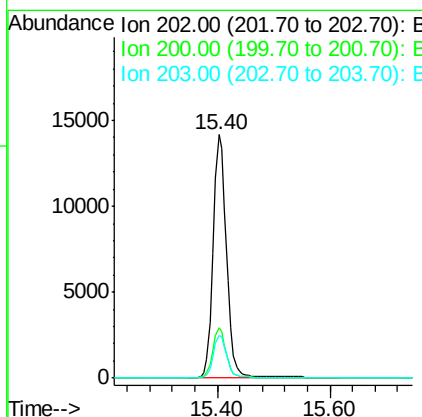
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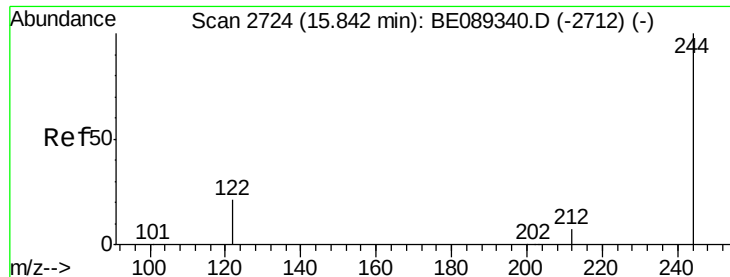
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#16
Pyrene
Concen: 2.65 ng
RT: 15.40 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.3	14.0	21.0





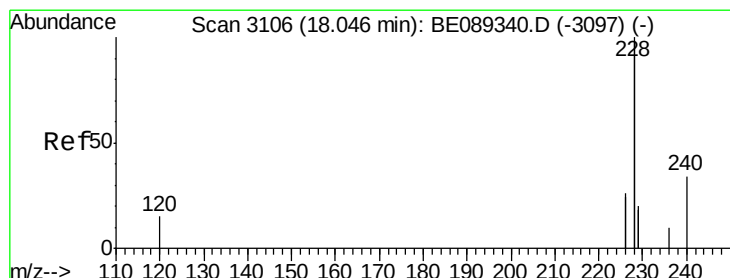
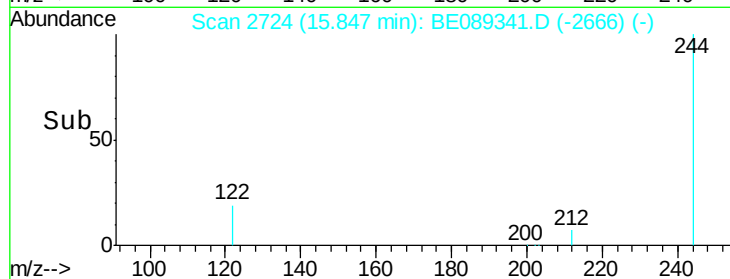
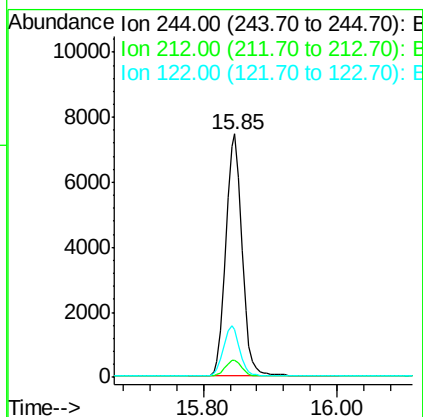
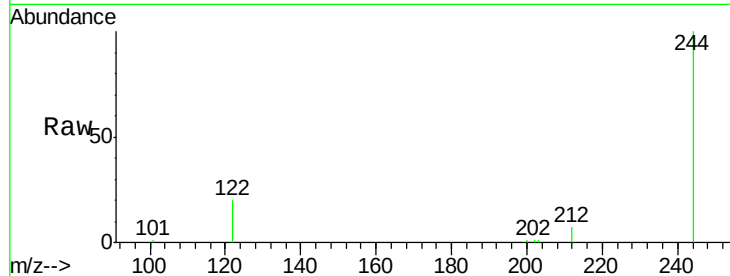
#17
 Terphenyl-d14
 Concen: 2.40 ng
 RT: 15.85 min Scan# 2724
 Delta R.T. 0.01 min
 Lab File: BE089341.D
 Acq: 7 Jan 2015 22:38

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	19.5	17.7	26.5

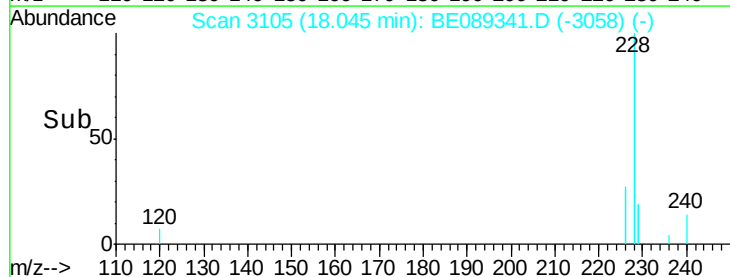
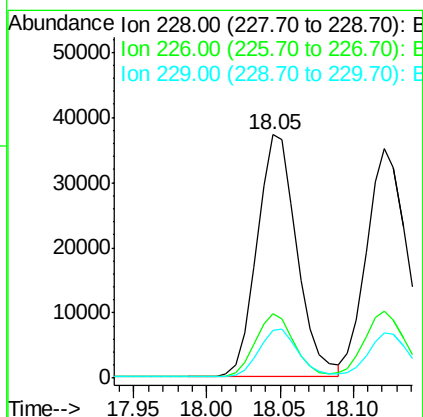
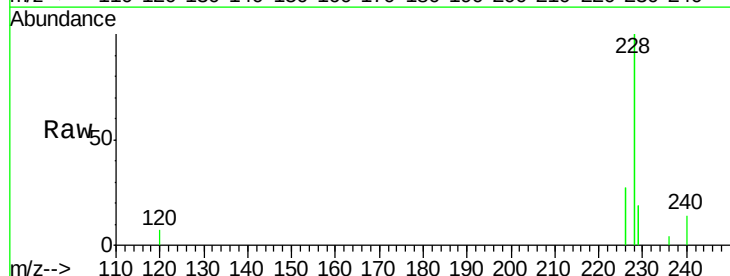
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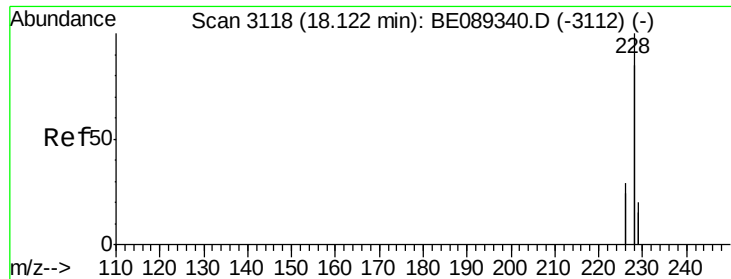
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#18
 Benzo(a)anthracene
 Concen: 2.42 ng
 RT: 18.05 min Scan# 3105
 Delta R.T. -0.00 min
 Lab File: BE089341.D
 Acq: 7 Jan 2015 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.6
229	19.5	16.0	24.0





#19

Chrysene

Concen: 2.37 ng

RT: 18.12 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BE089341.D

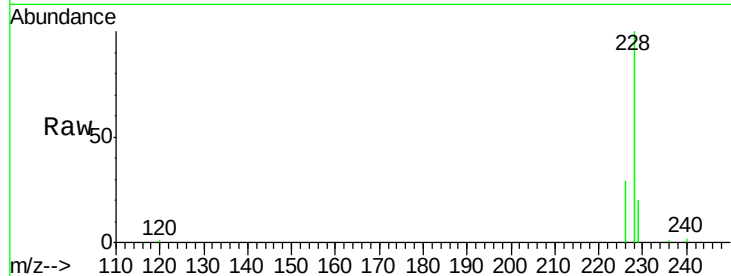
Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

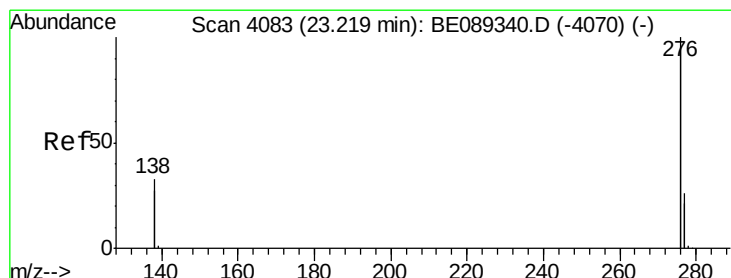
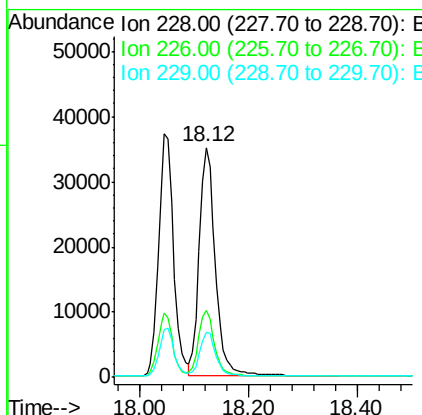
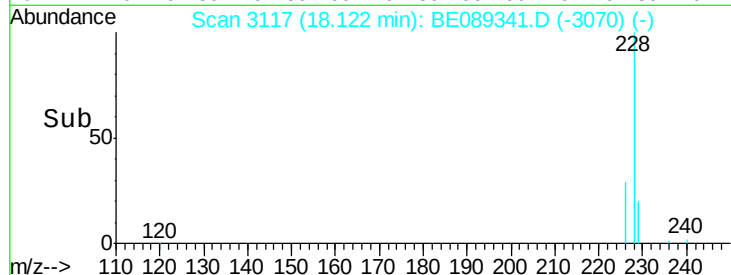
SSTDICC002



Tgt Ion:	228	Resp:	71867
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.5	35.3
229	19.5	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 2.54 ng m

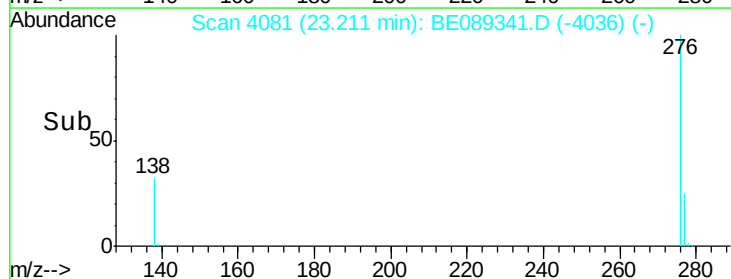
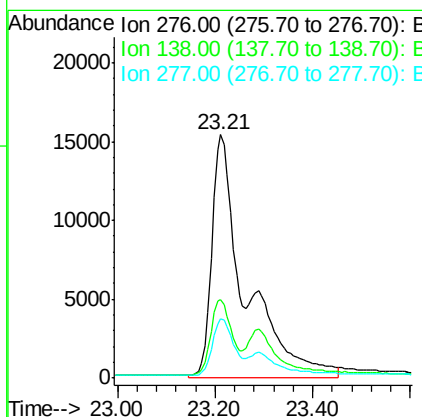
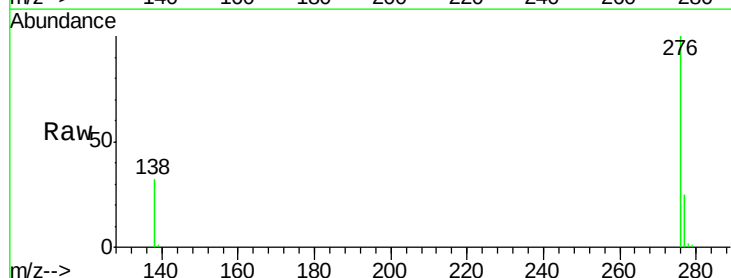
RT: 23.21 min Scan# 4081

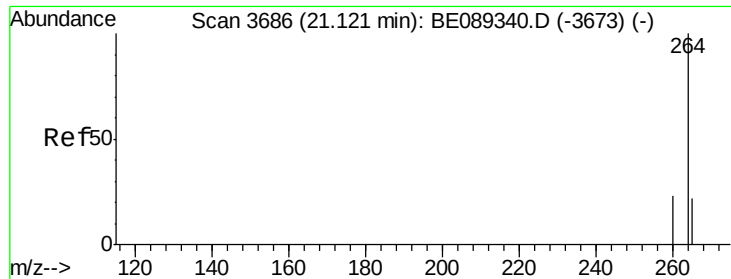
Delta R.T. -0.01 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Tgt Ion:	276	Resp:	74142
Ion Ratio	Lower	Upper	
276	100		
138	19.8	23.8	35.8#
277	15.2	18.2	27.4#





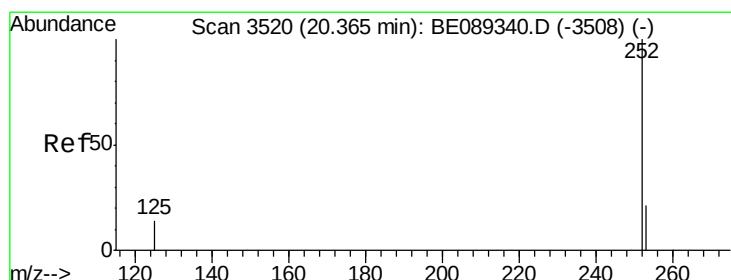
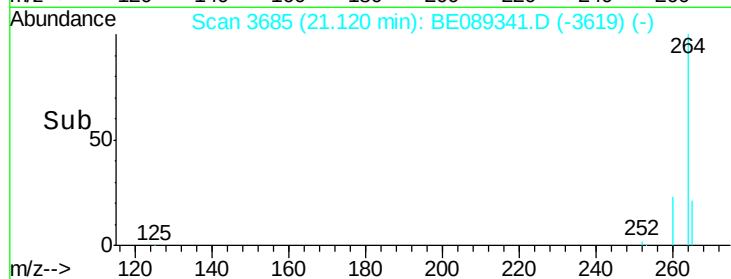
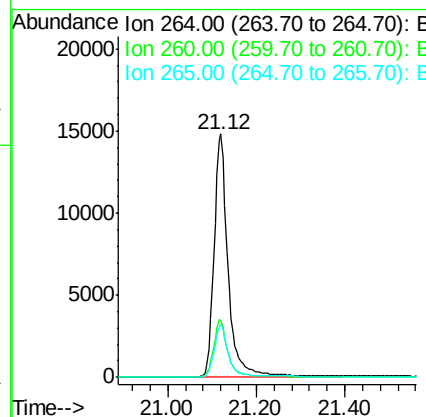
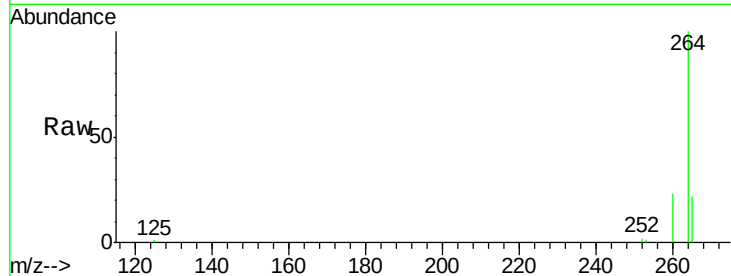
#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: BE089341.D
 Acq: 7 Jan 2015 22:38

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	32467		
260	23.5	18.9	28.3	
265	21.7	17.4	26.2	

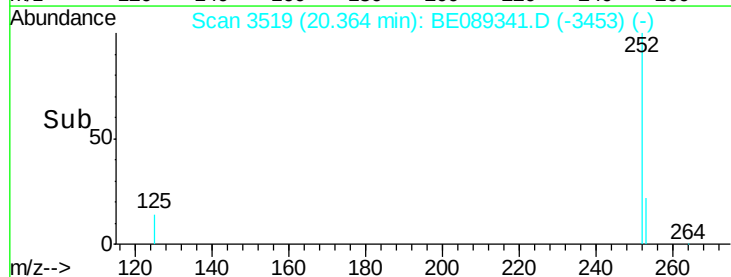
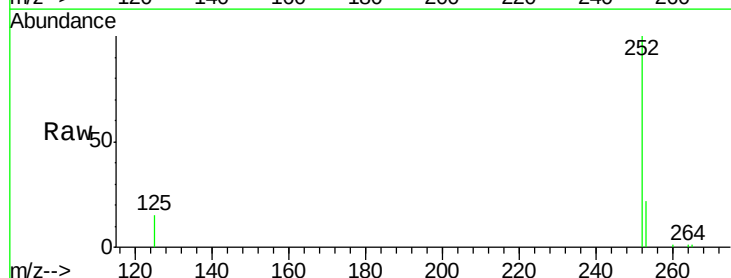
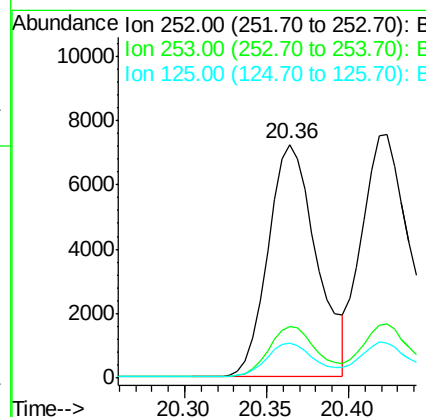
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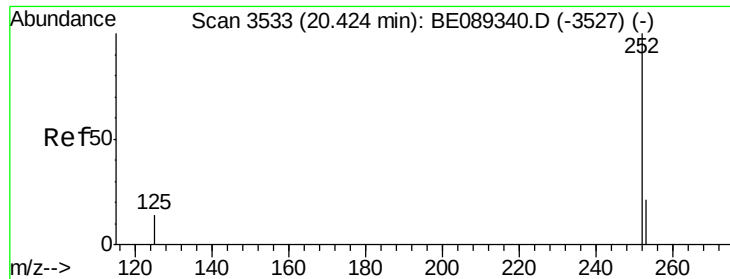
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#22
 Benzo(b)fluoranthene
 Concen: 2.30 ng
 RT: 20.36 min Scan# 3519
 Delta R.T. -0.00 min
 Lab File: BE089341.D
 Acq: 7 Jan 2015 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	14818		
253	22.3	17.8	26.6	
125	14.9	12.6	18.8	





#23

Benzo(k)fluoranthene

Concen: 2.16 ng

RT: 20.42 min Scan# 3532

Delta R.T. -0.00 min

Lab File: BE089341.D

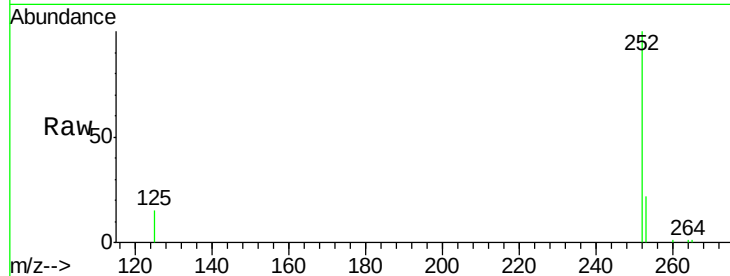
Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

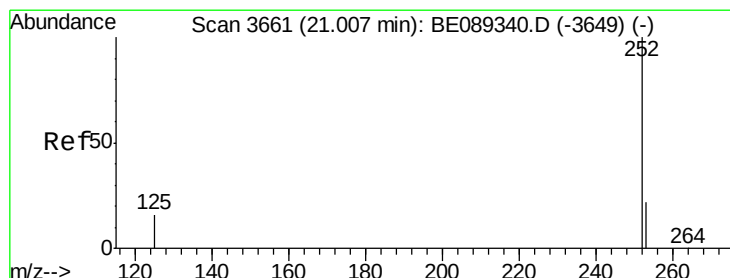
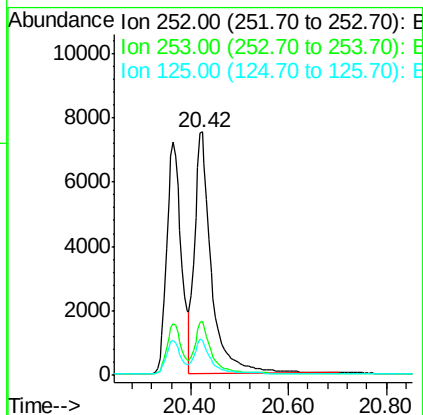
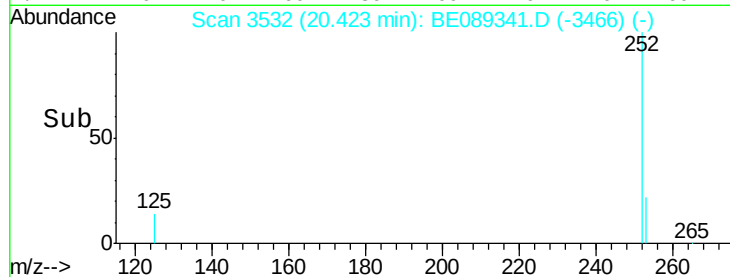
SSTDICC002



Tgt Ion:	252	Resp:	17940
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.0	27.0
125	14.6	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 2.36 ng

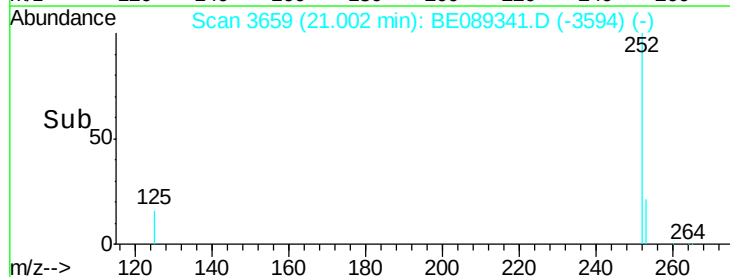
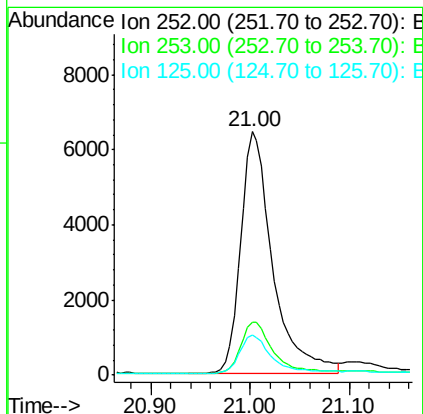
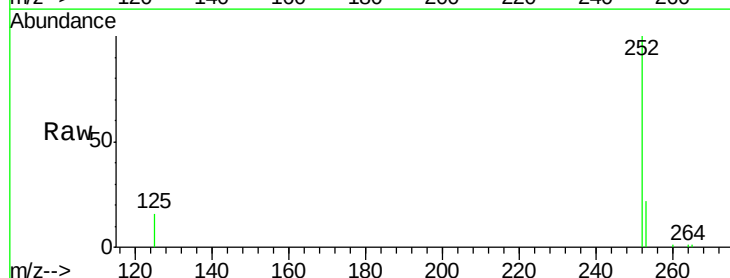
RT: 21.00 min Scan# 3659

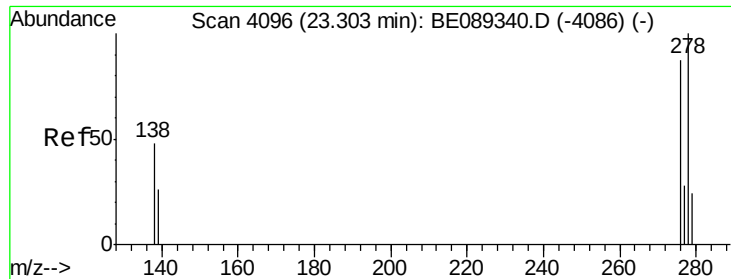
Delta R.T. -0.01 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

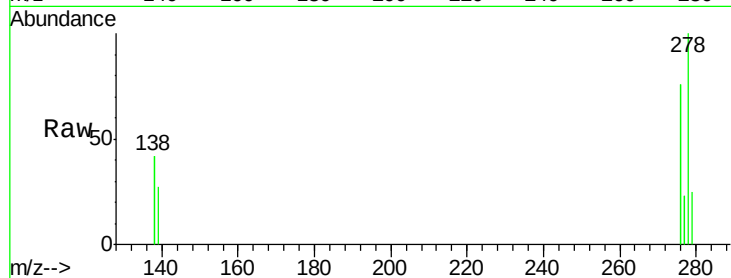
Tgt Ion:	252	Resp:	14427
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.3	27.5
125	16.2	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 2.07 ng
RT: 23.30 min Scan# 4094
Delta R.T. -0.01 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

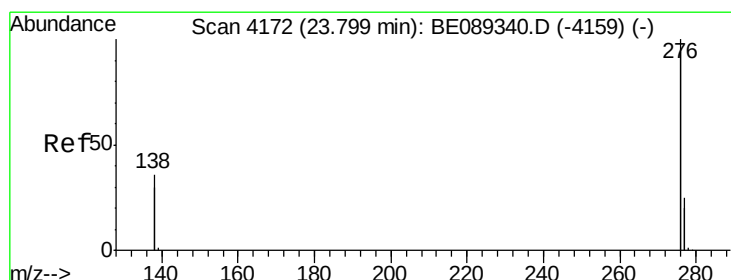
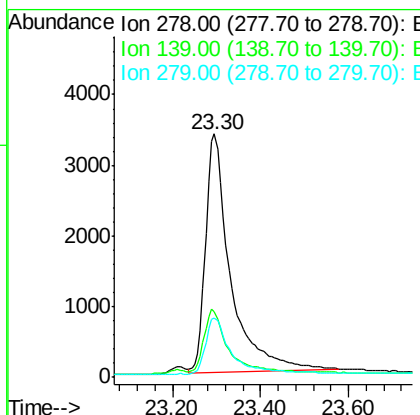
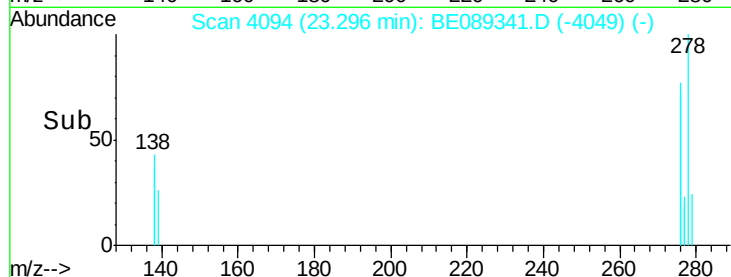
Instrument :
BNA_E
LabSampleId :
SSTDICC002



Tgt Ion: 278 Resp: 13344
Ion Ratio Lower Upper
278 100
139 26.9 22.9 34.3
279 24.5 20.8 31.2

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#26
Benzo(g,h,i)perylene
Concen: 2.26 ng
RT: 23.79 min Scan# 4170
Delta R.T. -0.01 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion: 276 Resp: 65818
Ion Ratio Lower Upper
276 100
277 24.2 20.0 30.0
138 35.0 28.5 42.7

