

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089350.D
 Acq On : 8 Jan 2015 6:23
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : LOQ-WATER-1.0PPM-SIM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
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 1/9/2015 5:21:46 PM

Quant Time: Jan 08 15:42:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 15:21:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	12370	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	48428	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	23043	5.00	ng	0.01
11) Phenanthrene-d10	12.72	188	37139	5.00	ng	0.00
15) Chrysene-d12	18.07	240	22002	5.00	ng	0.00
21) Perylene-d12	21.12	264	18875	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	3377	1.00	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	6459	1.03	ng	0.00
17) Terphenyl-d14	15.85	244	4764	1.22	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	11264	1.03	ng	99
5) 2-Methylnaphthalene	9.39	142	7144	1.05	ng	99
8) Acenaphthylene	10.47	152	41315	1.05	ng	99
9) Acenaphthene	10.69	154	6364	1.04	ng	98
10) Fluorene	11.34	166	6949	1.06	ng	100
12) Phenanthrene	12.75	178	39436	1.02	ng	99
13) Anthracene	12.84	178	37770	1.01	ng	99
14) Fluoranthene	14.96	202	8568	1.00	ng	99
16) Pyrene	15.41	202	8874	1.23	ng	99
18) Benzo(a)anthracene	18.05	228	21967	0.98	ng	98
19) Chrysene	18.13	228	22924	1.02	ng	99
20) Indeno(1,2,3-cd)pyrene	23.22	276	19436m	0.91	ng	
22) Benzo(b)fluoranthene	20.37	252	3895	0.94	ng	97
23) Benzo(k)fluoranthene	20.43	252	5354	1.03	ng	98
24) Benzo(a)pyrene	21.01	252	3984	0.98	ng	97
25) Dibenzo(a,h)anthracene	23.31	278	3525	0.95	ng	94
26) Benzo(g,h,i)perylene	23.81	276	18613	0.99	ng	97

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

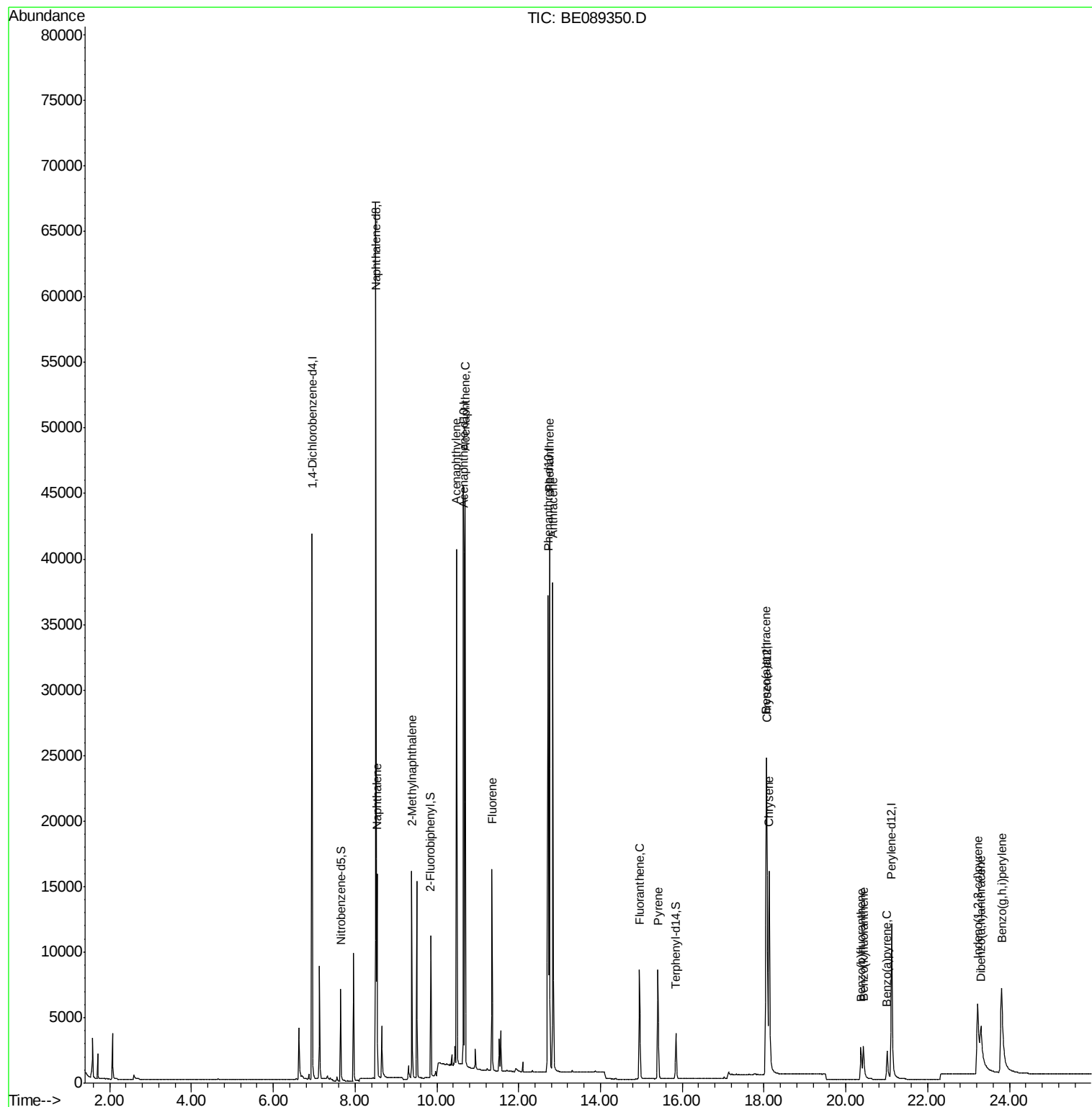
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089350.D
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Sample : SSTDCCC001
Misc : LOQ-WATER-1.0PPM-SIM
ALS Vial : 16 Sample Multiplier: 1

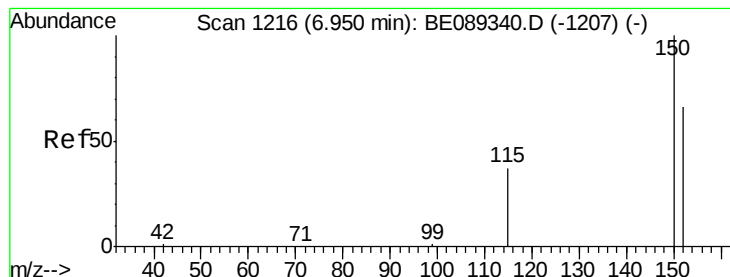
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089350.D

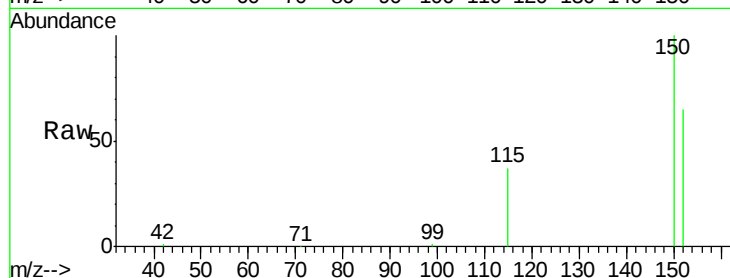
Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion:152 Resp: 12370

Ion Ratio Lower Upper

152 100

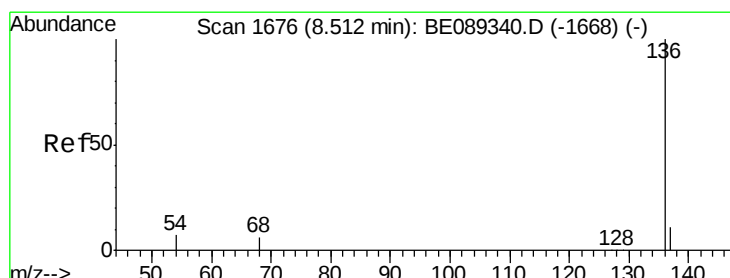
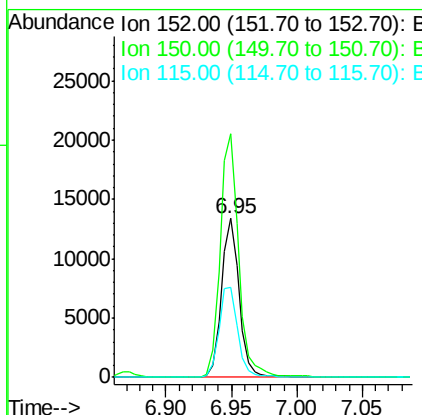
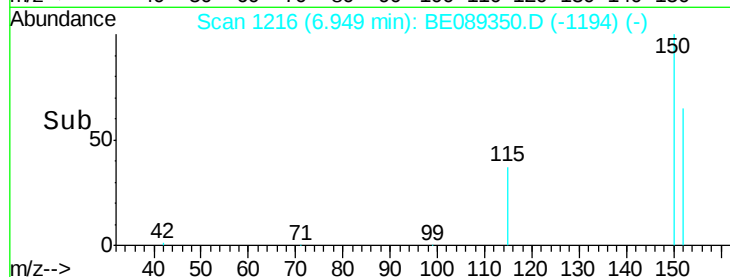
150 153.3 121.5 182.3

115 57.0 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: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:136 Resp: 48428

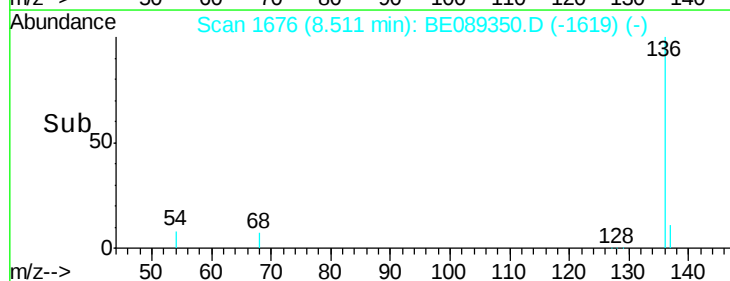
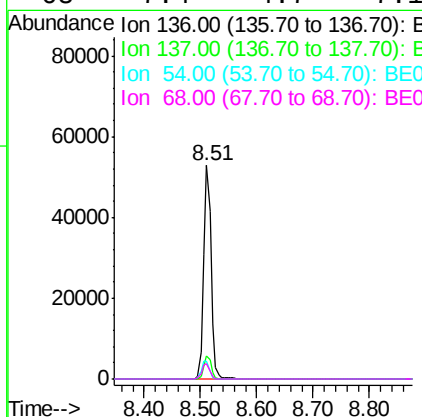
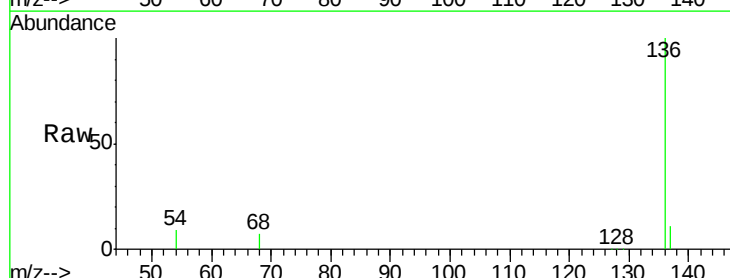
Ion Ratio Lower Upper

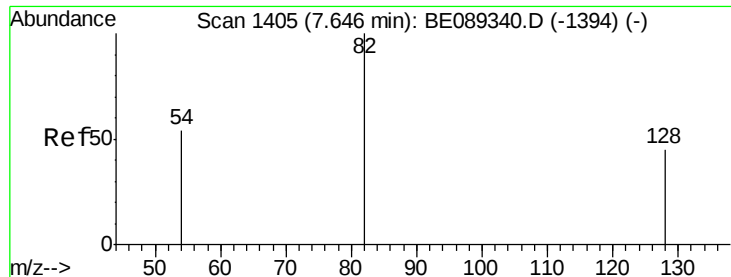
136 100

137 10.8 9.0 13.4

54 8.5 5.4 8.0#

68 7.4 4.7 7.1#





#3

Nitrobenzene-d5

Concen: 1.00 ng

RT: 7.65 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

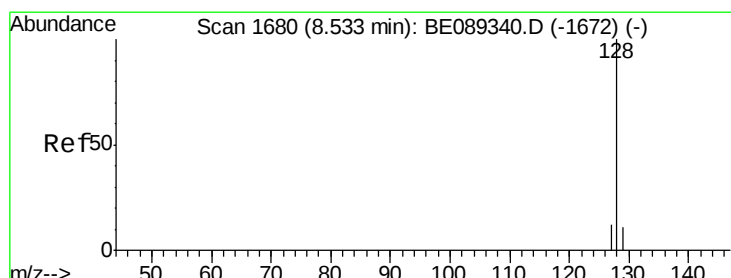
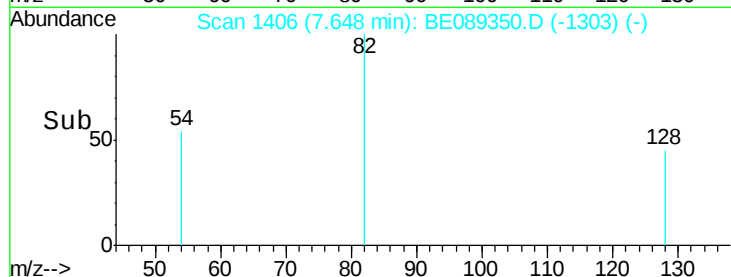
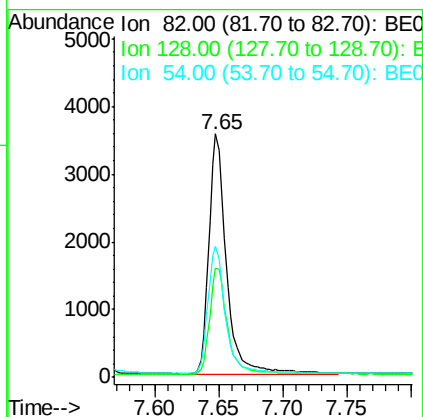
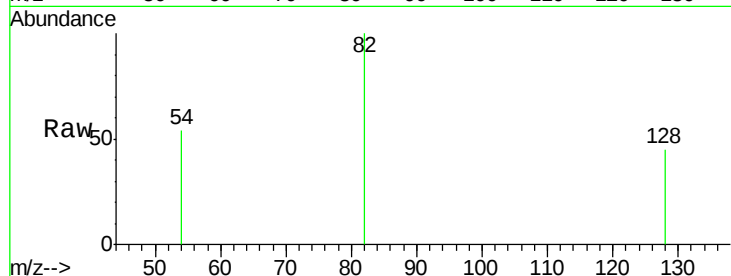
LabSampleId :

SSTDCCC001

Tgt Ion:	82	Resp:	3377
Ion Ratio	Lower	Upper	
82	100		
128	45.0	36.5	54.7
54	54.0	43.5	65.3

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#4

Naphthalene

Concen: 1.03 ng

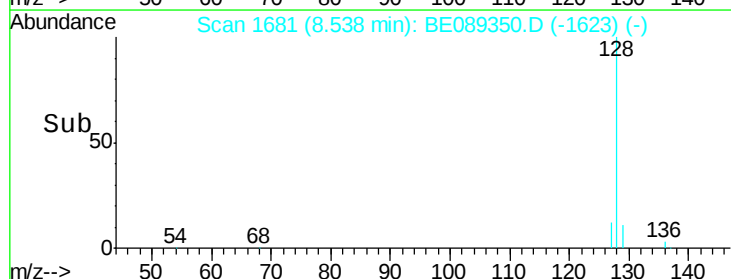
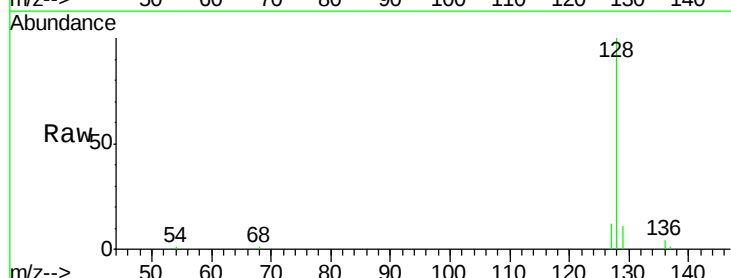
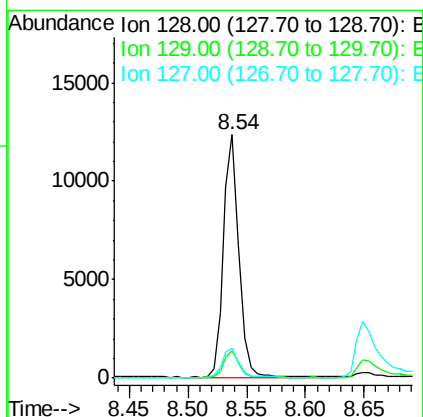
RT: 8.54 min Scan# 1681

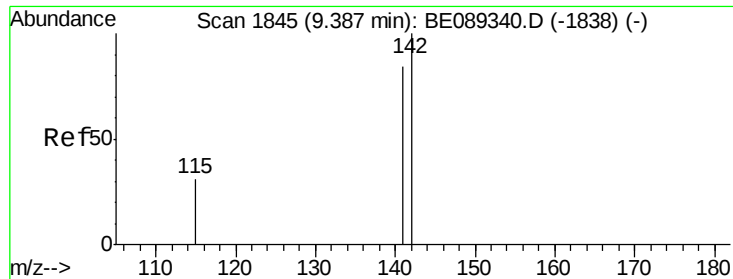
Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:	128	Resp:	11264
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	12.0	10.0	15.0





#5

2-Methylnaphthalene

Concen: 1.05 ng

RT: 9.39 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BE089350.D

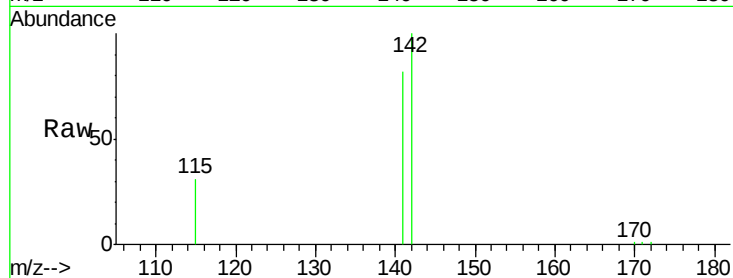
Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

LabSampleId :

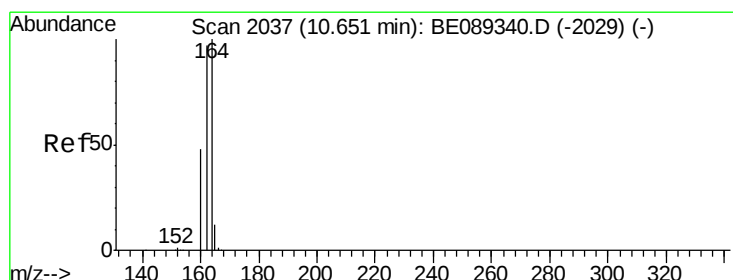
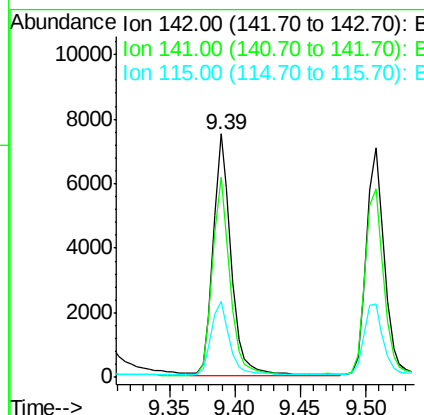
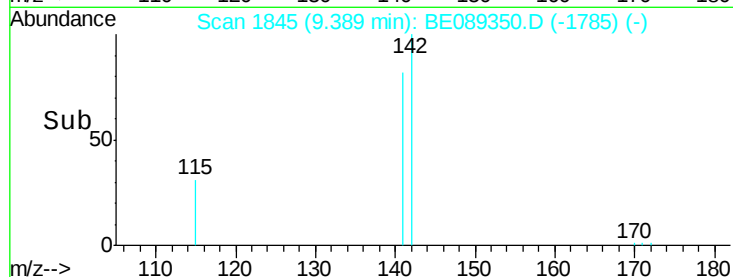
SSTDCCC001



Tgt Ion:	142	Resp:	7144
Ion Ratio	Lower	Upper	
142	100		
141	82.0	66.3	99.5
115	31.0	25.2	37.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

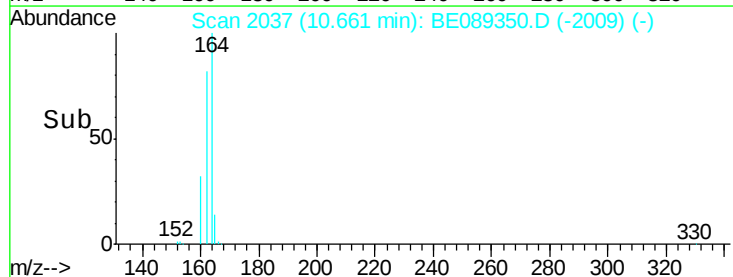
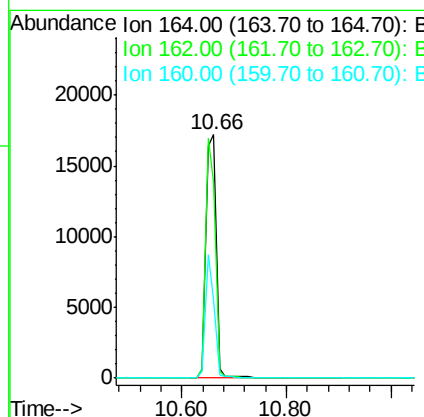
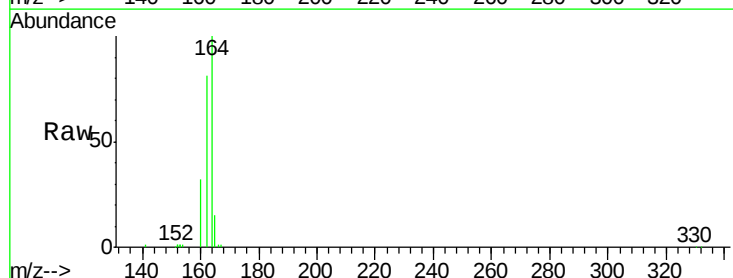
RT: 10.66 min Scan# 2037

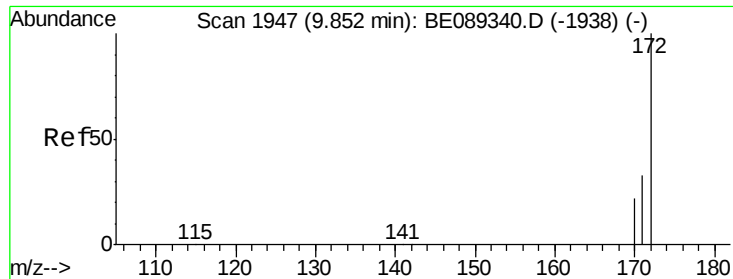
Delta R.T. 0.01 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:	164	Resp:	23043
Ion Ratio	Lower	Upper	
164	100		
162	80.7	77.4	116.2
160	32.3	38.2	57.4#





#7

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089350.D

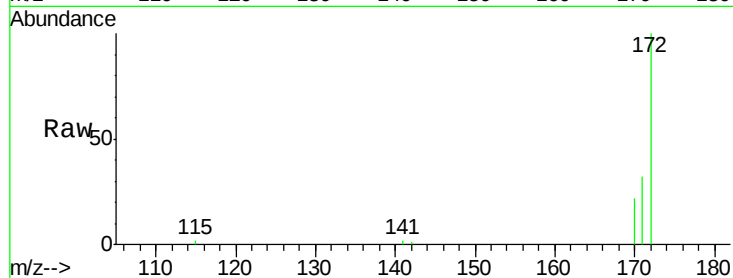
Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

LabSampleId :

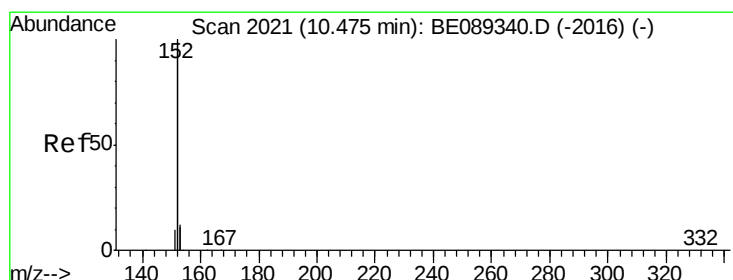
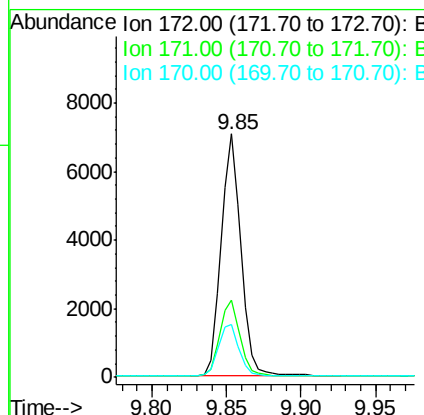
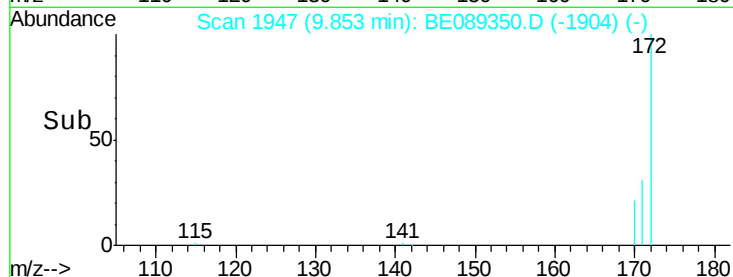
SSTDCCC001



Tgt Ion:	172	Resp:	6459
Ion Ratio	Lower	Upper	
172	100		
171	31.7	26.4	39.6
170	21.5	18.0	27.0

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#8

Acenaphthylene

Concen: 1.05 ng

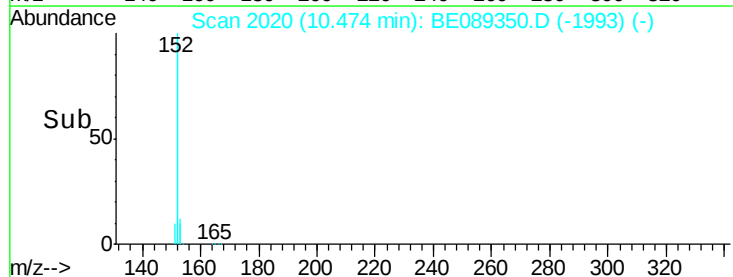
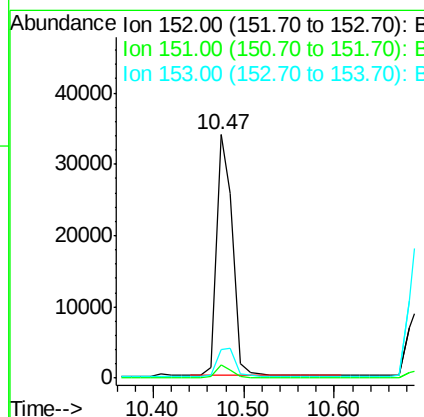
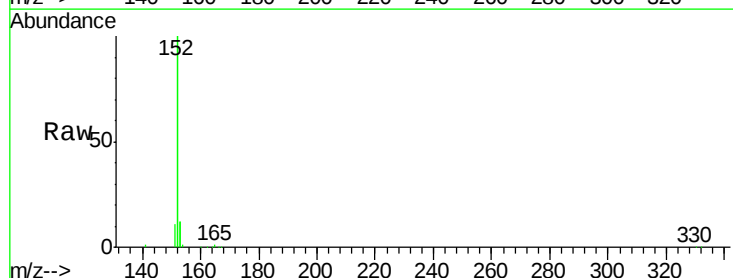
RT: 10.47 min Scan# 2020

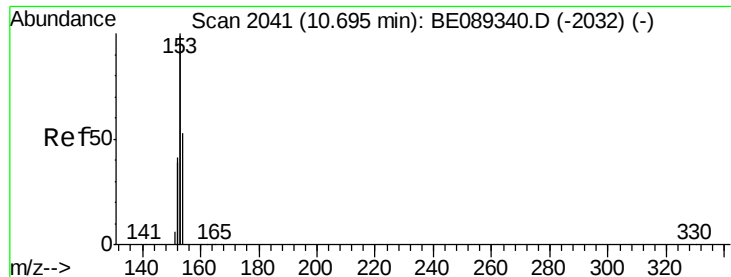
Delta R.T. -0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:	152	Resp:	41315
Ion Ratio	Lower	Upper	
152	100		
151	5.4	4.1	6.1
153	11.8	9.8	14.6





#9

Acenaphthene

Concen: 1.04 ng

RT: 10.69 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BE089350.D

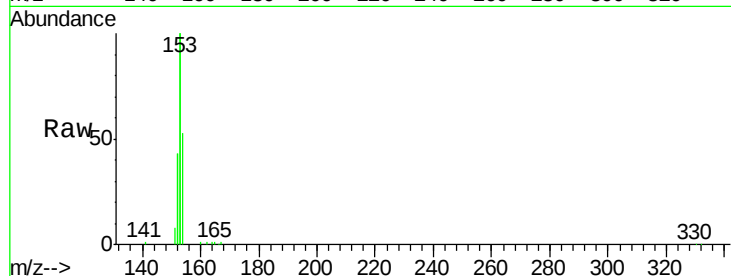
Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

LabSampleId :

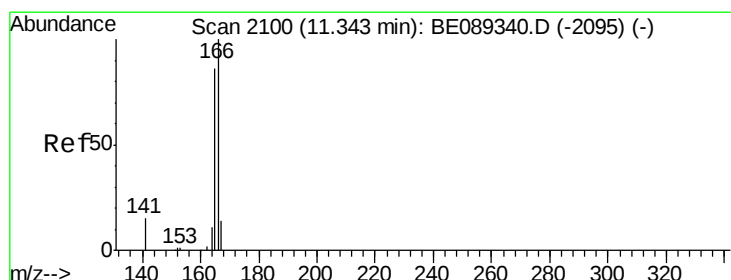
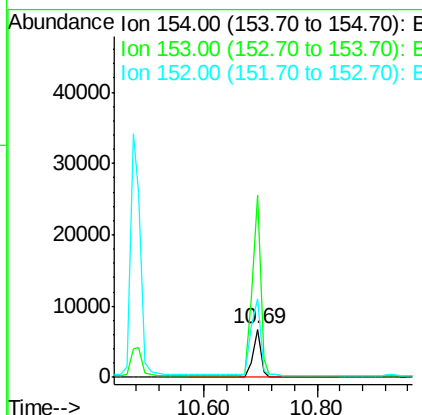
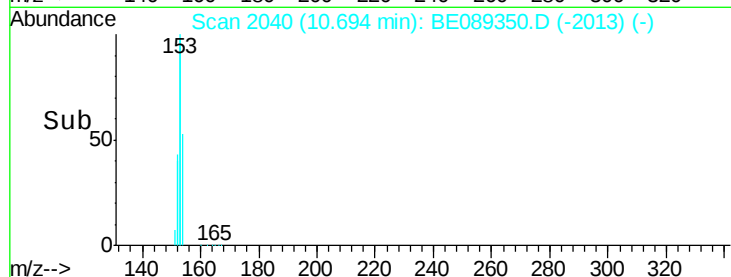
SSTDCCC001



Tgt Ion:	154	Resp:	6364
Ion Ratio	Lower	Upper	
154	100		
153	377.5	300.6	450.8
152	162.0	123.3	184.9

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#10

Fluorene

Concen: 1.06 ng

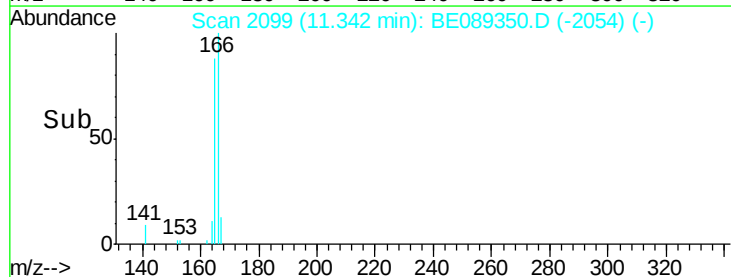
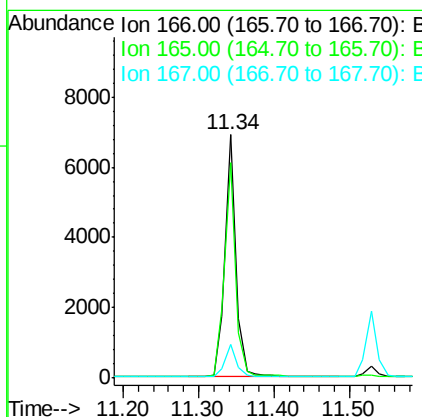
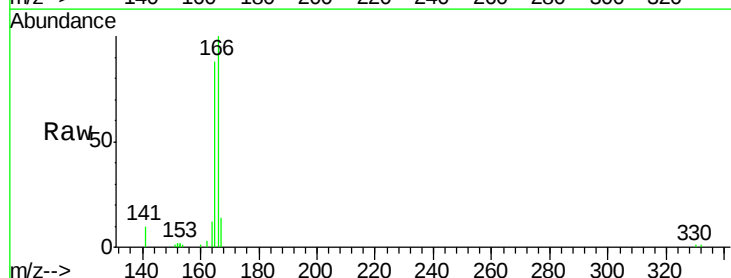
RT: 11.34 min Scan# 2099

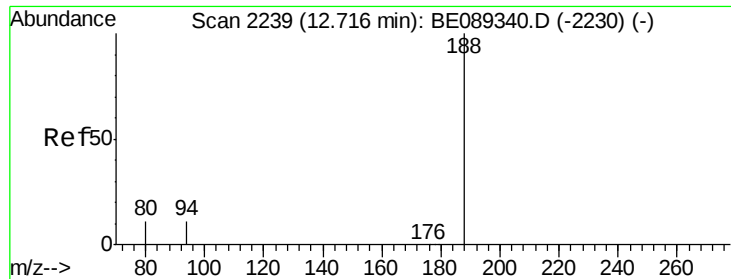
Delta R.T. -0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:	166	Resp:	6949
Ion Ratio	Lower	Upper	
166	100		
165	89.8	72.1	108.1
167	13.7	11.0	16.4





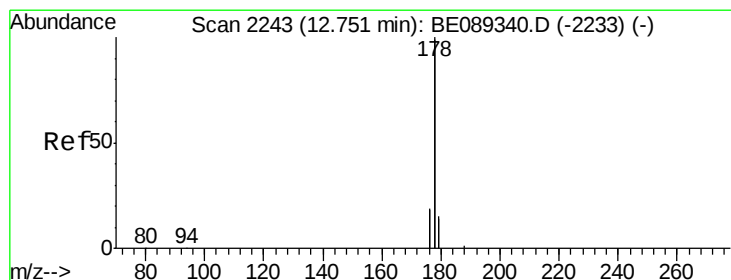
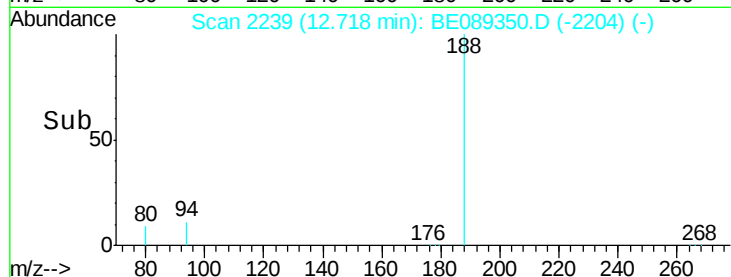
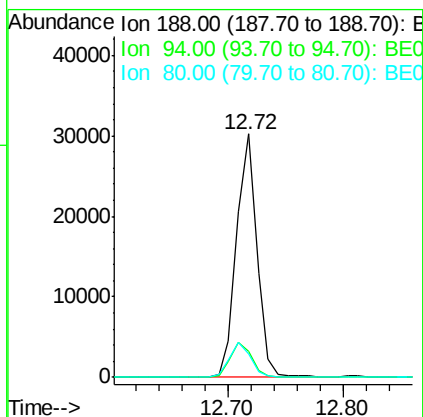
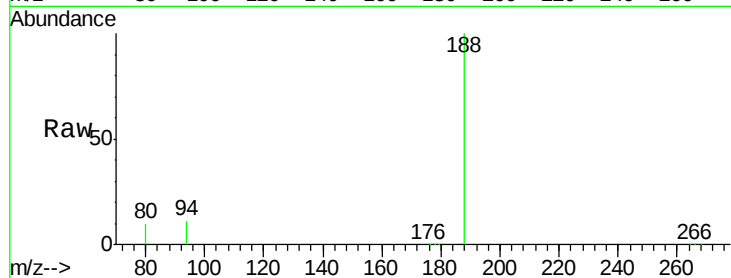
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	11.0	12.2#
80	9.5	10.1	11.1#

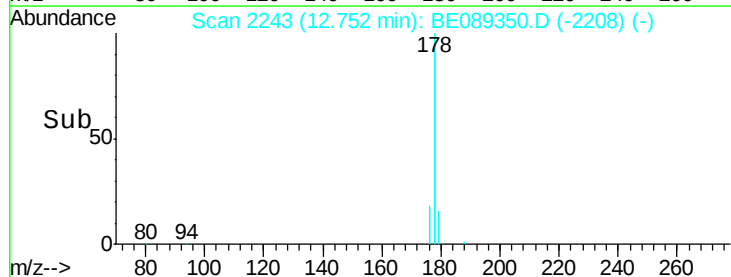
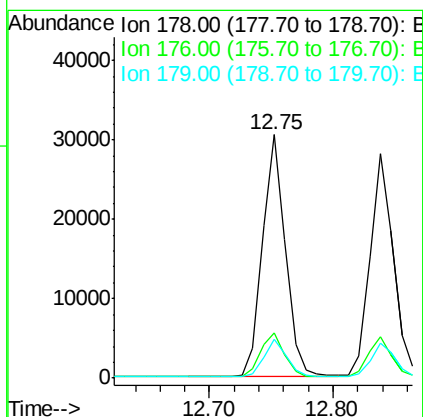
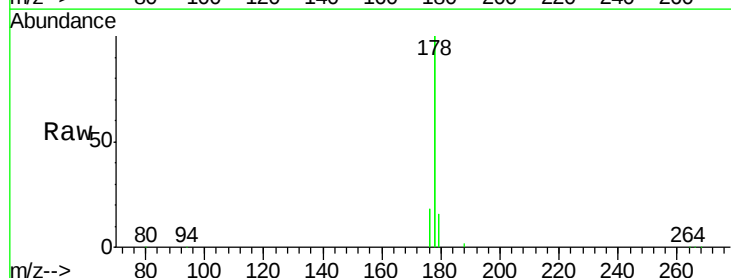
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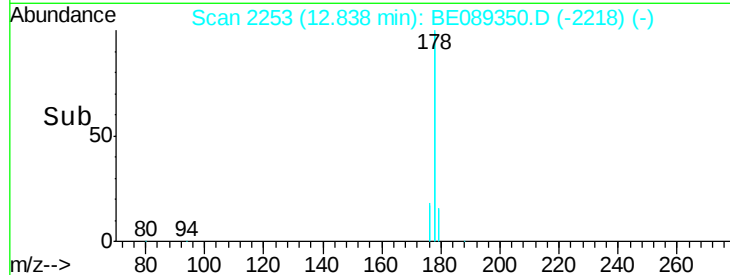
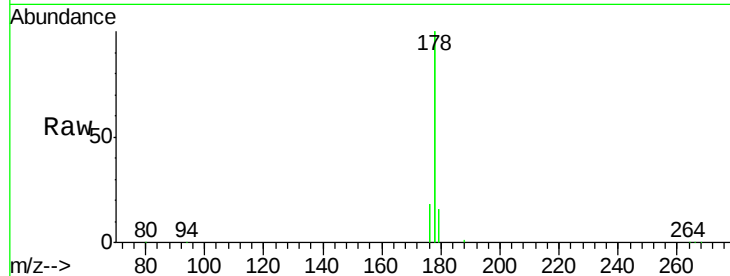
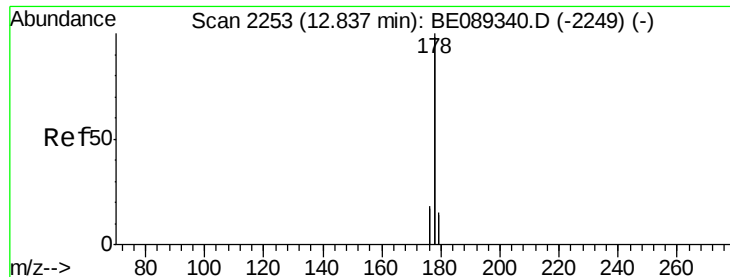
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#12
Phenanthrene
Concen: 1.02 ng
RT: 12.75 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.8	12.2	18.2





#13

Anthracene

Concen: 1.01 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

Tgt Ion:178 Resp: 37770

Ion Ratio Lower Upper

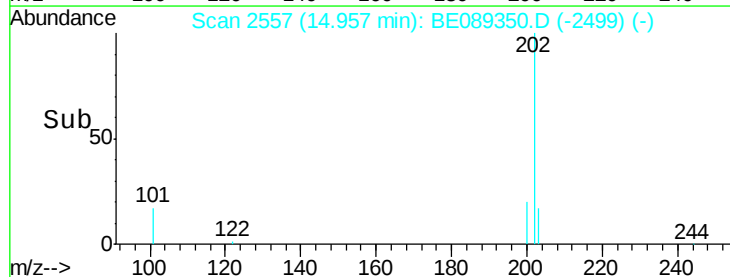
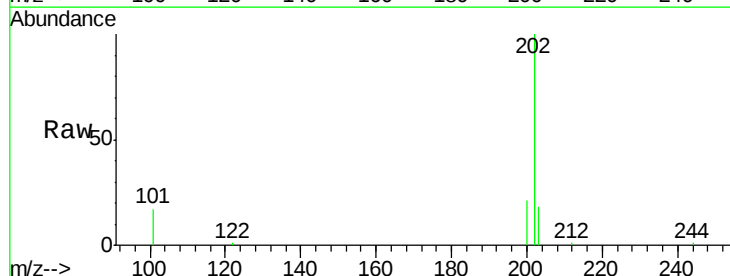
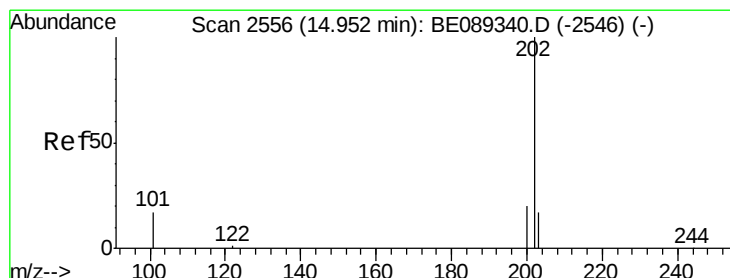
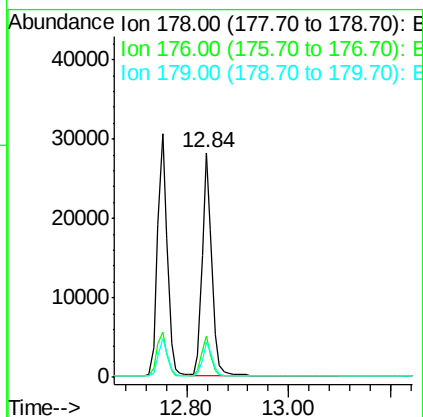
178 100

176 18.2 14.7 22.1

179 15.8 12.0 18.0

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#14

Fluoranthene

Concen: 1.00 ng

RT: 14.96 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

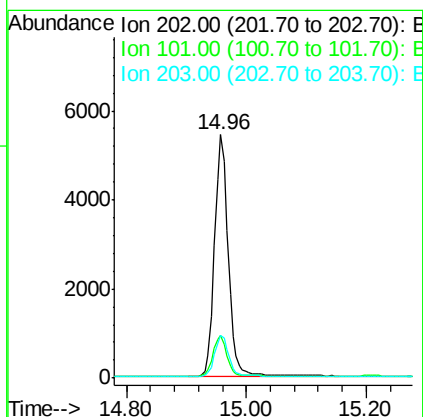
Tgt Ion:202 Resp: 8568

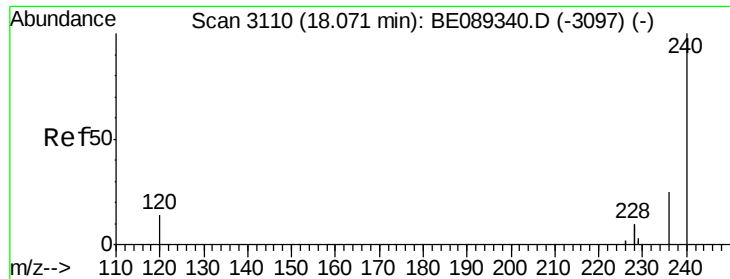
Ion Ratio Lower Upper

202 100

101 17.4 0.0 37.9

203 17.6 0.0 37.5





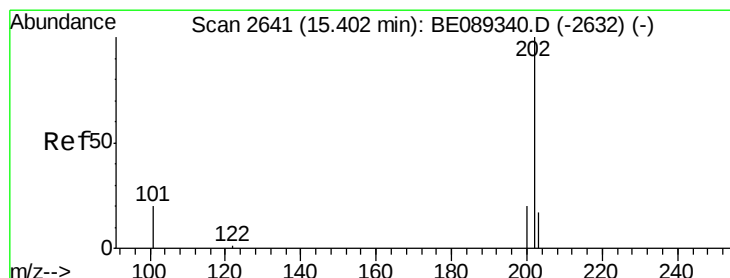
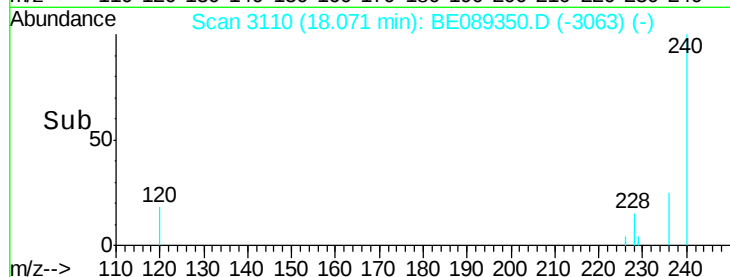
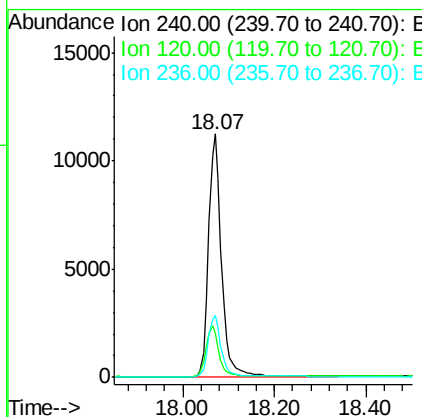
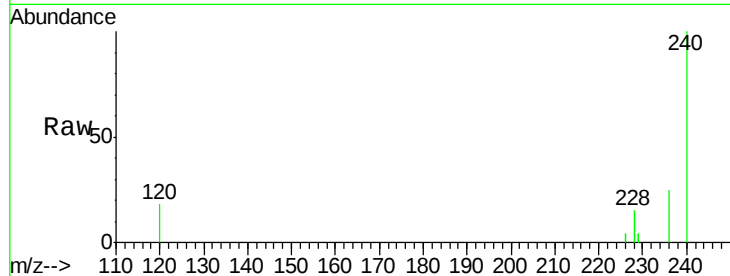
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.3	11.8	17.6#
236	25.3	20.0	30.0

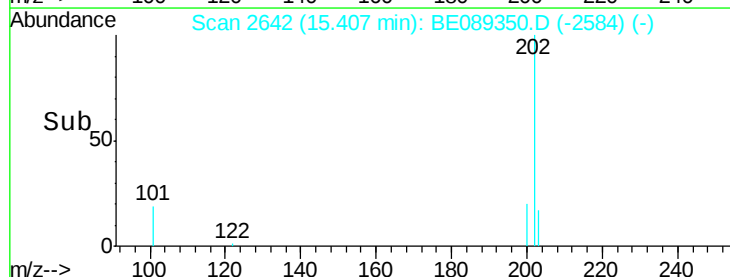
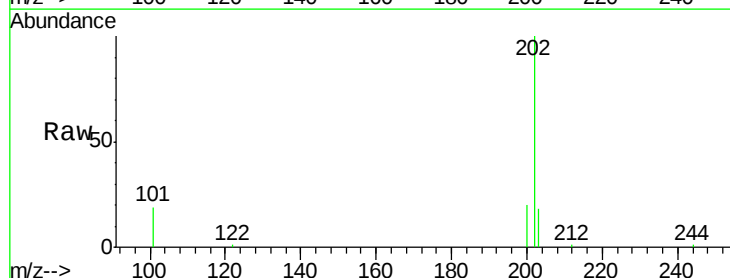
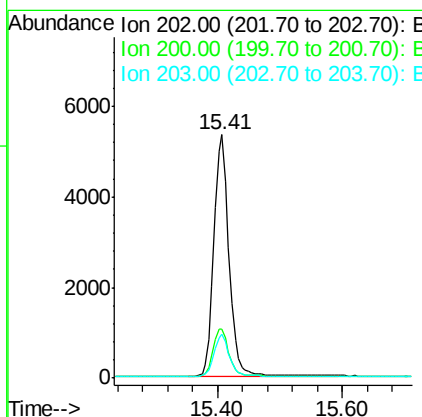
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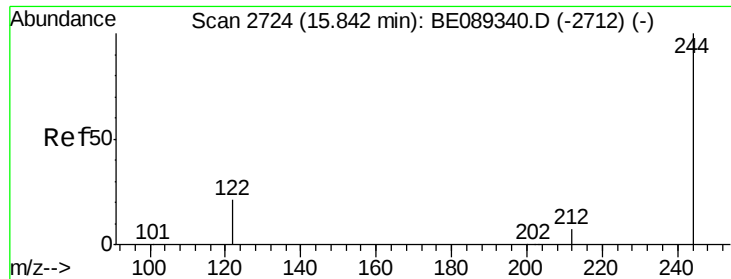
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#16
Pyrene
Concen: 1.23 ng
RT: 15.41 min Scan# 2642
Delta R.T. 0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	18.1	14.0	21.0





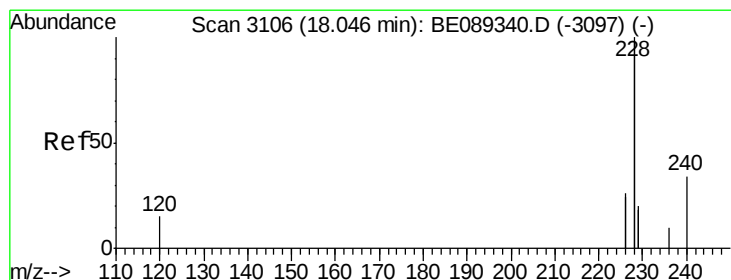
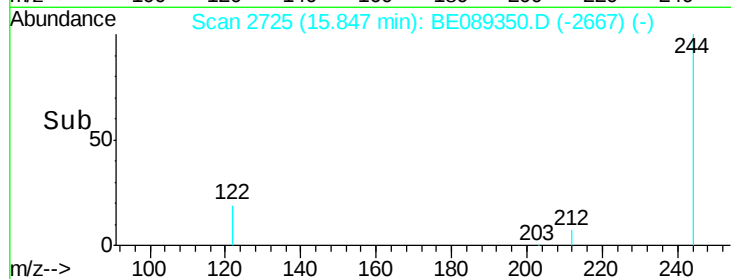
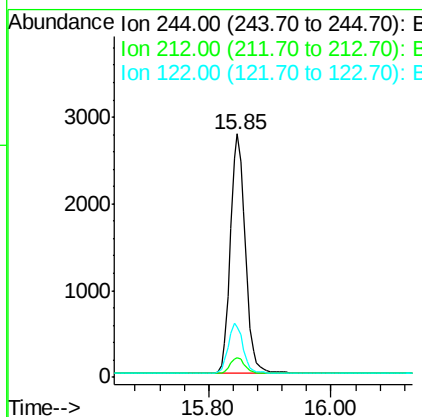
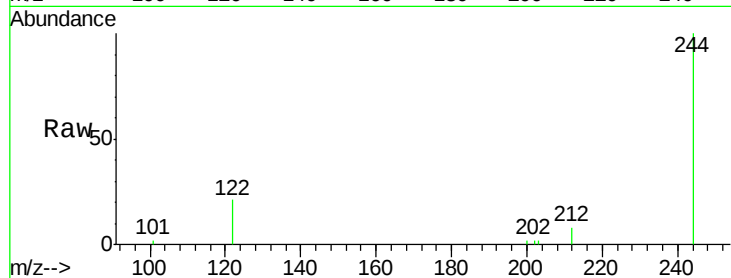
#17
 Terphenyl-d14
 Concen: 1.22 ng
 RT: 15.85 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.3	9.5
122	20.6	17.7	26.5

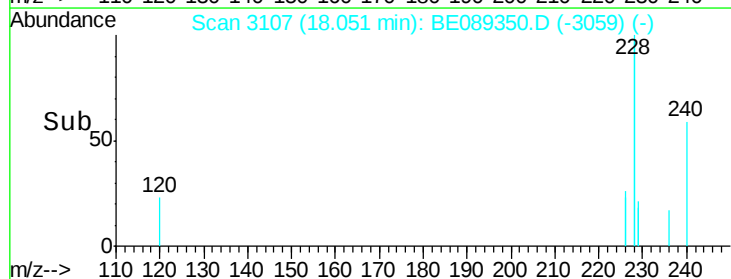
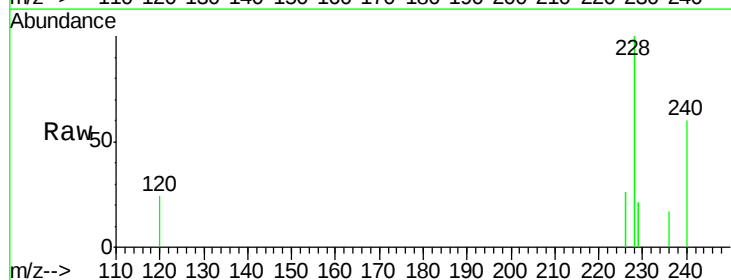
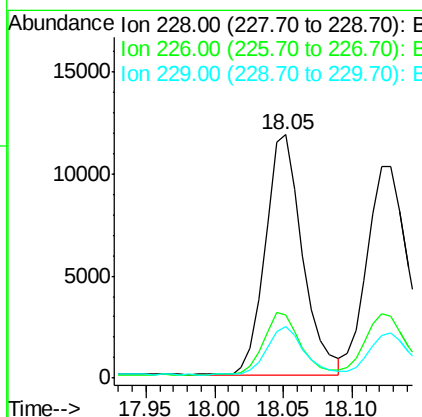
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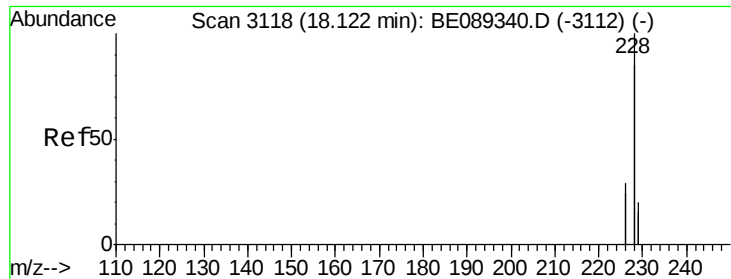
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#18
 Benzo(a)anthracene
 Concen: 0.98 ng
 RT: 18.05 min Scan# 3107
 Delta R.T. 0.01 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.0	31.6
229	21.3	16.0	24.0





#19

Chrysene

Concen: 1.02 ng

RT: 18.13 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

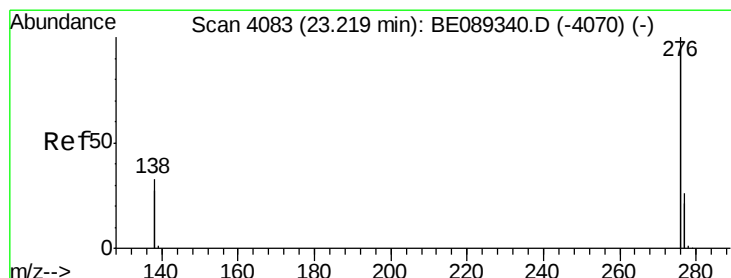
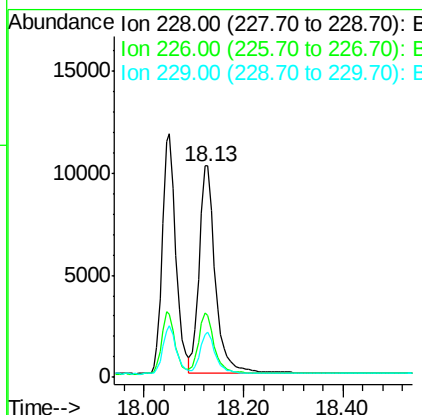
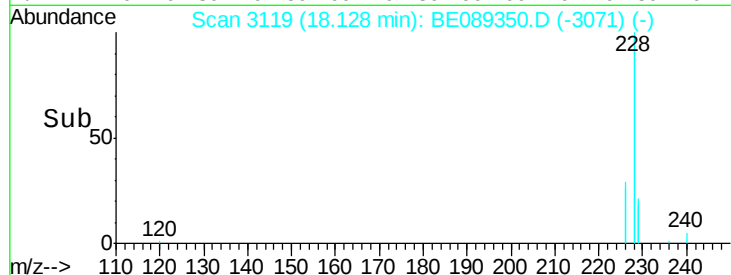
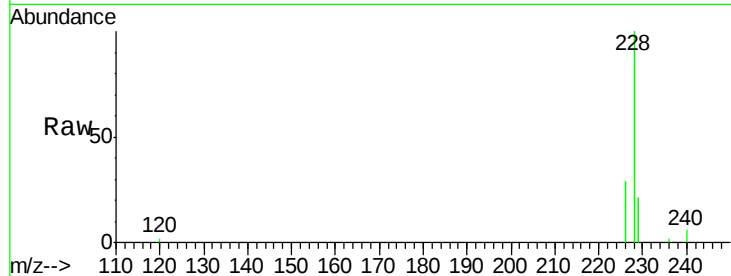
LabSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	22924
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.5	35.3
229	21.2	16.1	24.1

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#20

Indeno(1,2,3-cd)pyrene

Concen: 0.91 ng m

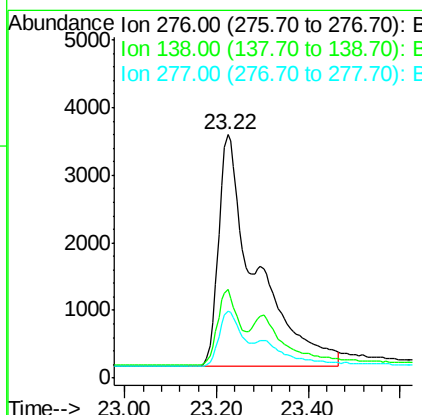
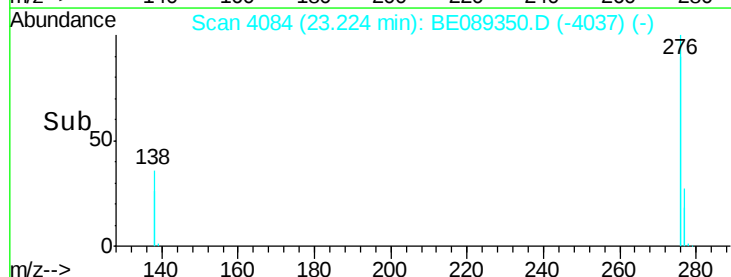
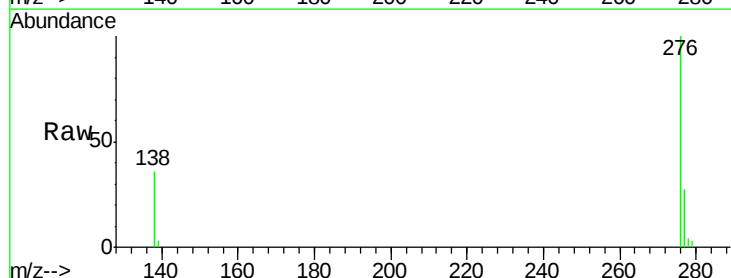
RT: 23.22 min Scan# 4084

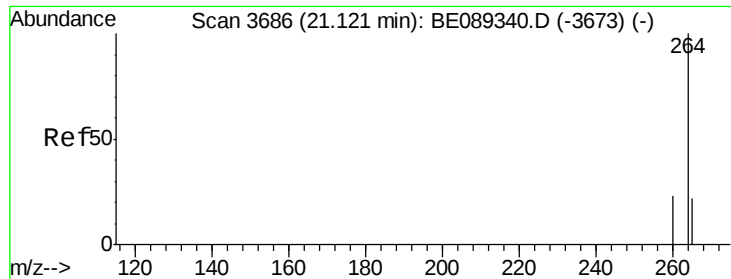
Delta R.T. 0.01 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:	276	Resp:	19436
Ion Ratio	Lower	Upper	
276	100		
138	18.2	23.8	35.8#
277	14.5	18.2	27.4#





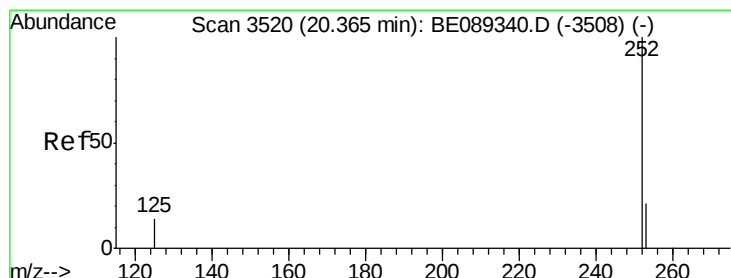
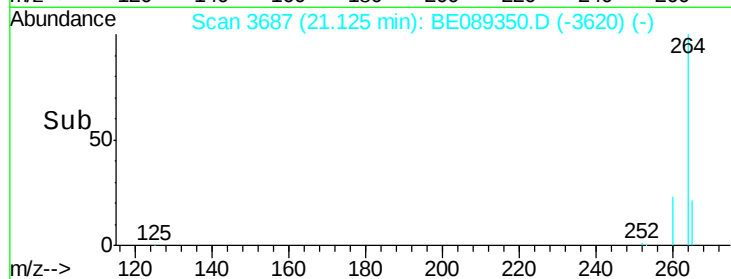
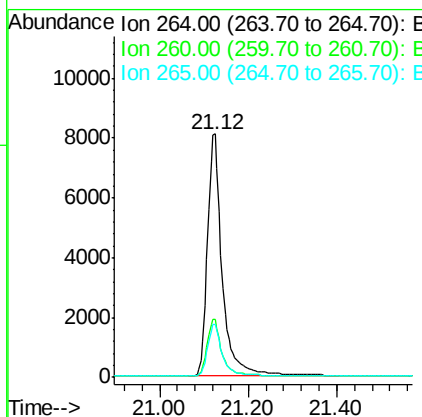
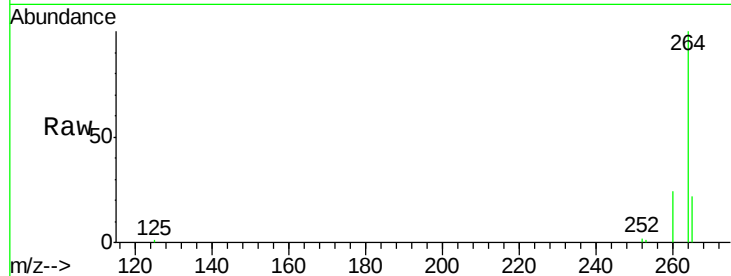
#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.4	26.2

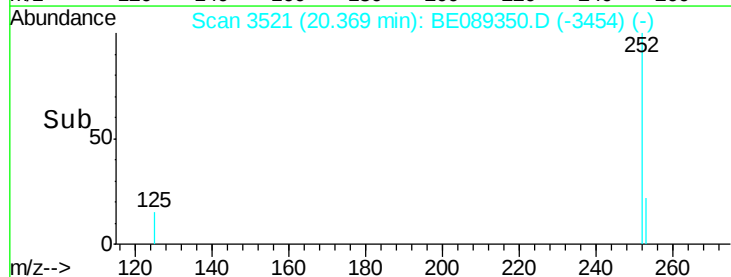
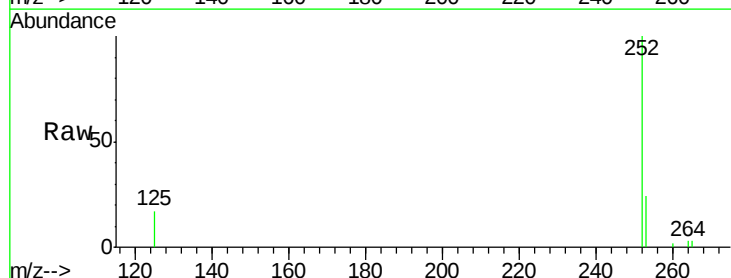
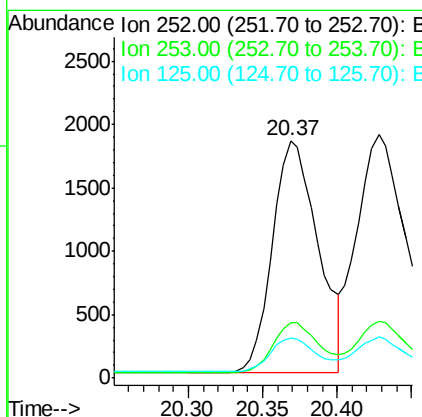
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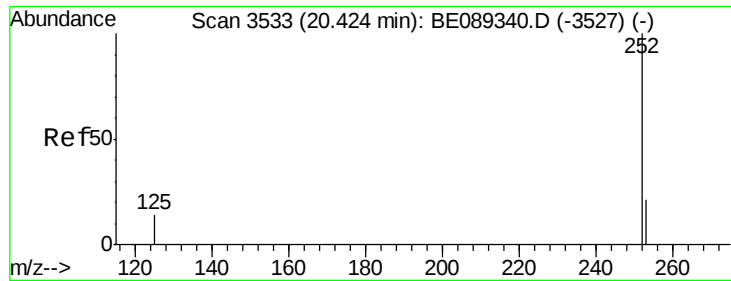
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#22
 Benzo(b)fluoranthene
 Concen: 0.94 ng
 RT: 20.37 min Scan# 3521
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	17.0	12.6	18.8





#23

Benzo(k)fluoranthene

Concen: 1.03 ng

RT: 20.43 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089350.D

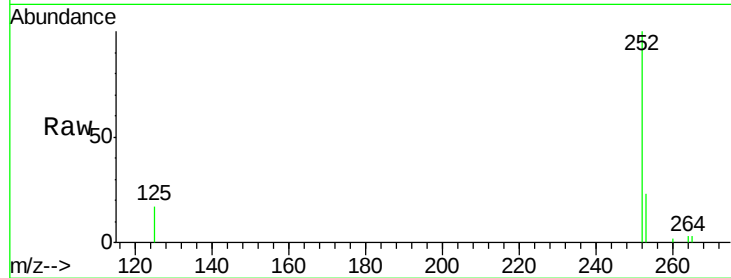
Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

LabSampleId :

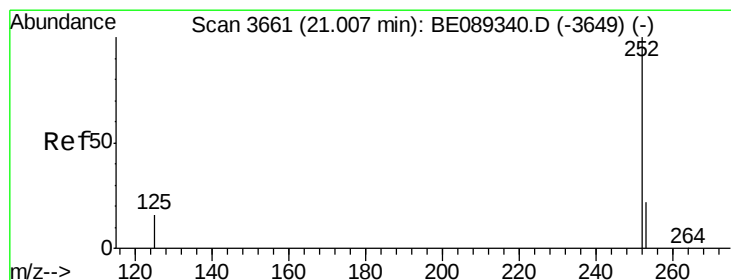
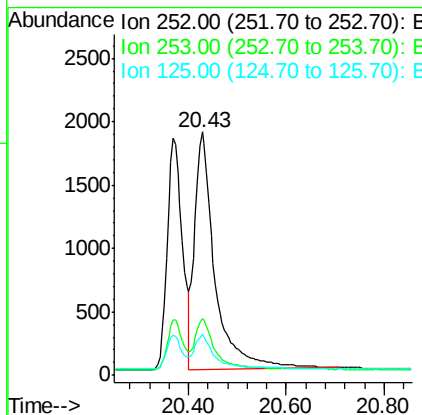
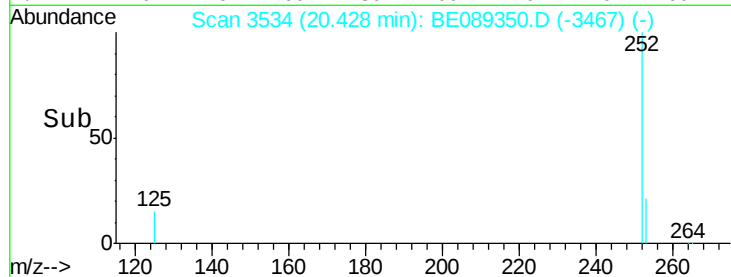
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	17.0	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 0.98 ng

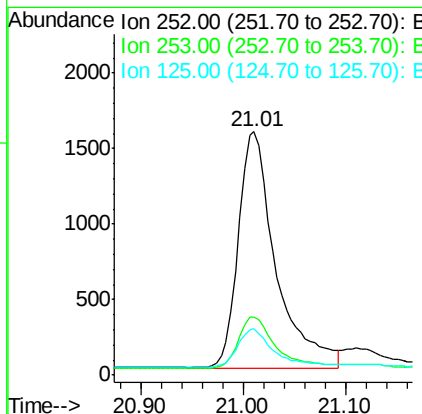
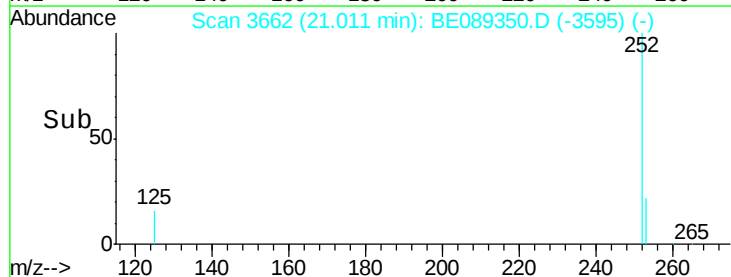
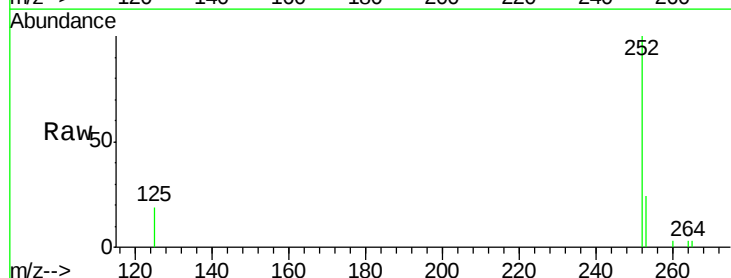
RT: 21.01 min Scan# 3662

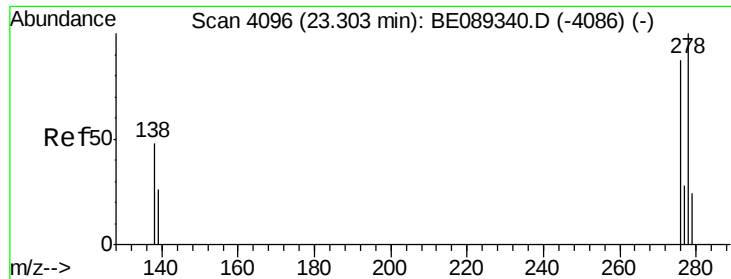
Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	19.2	13.8	20.8





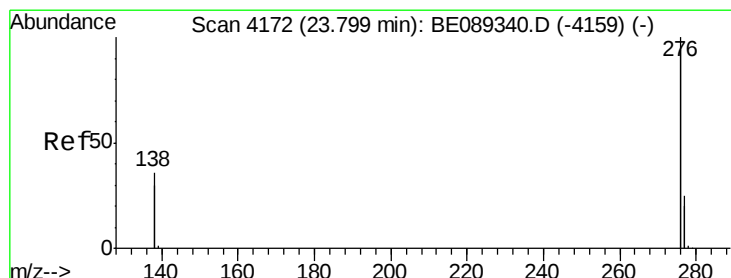
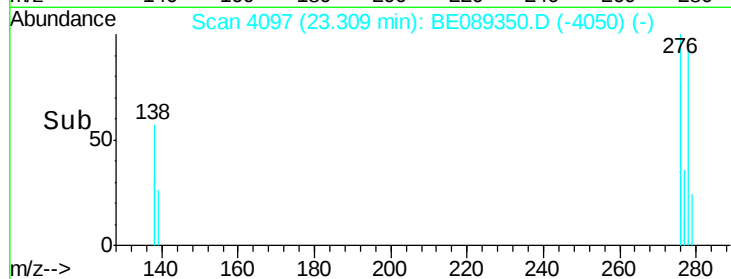
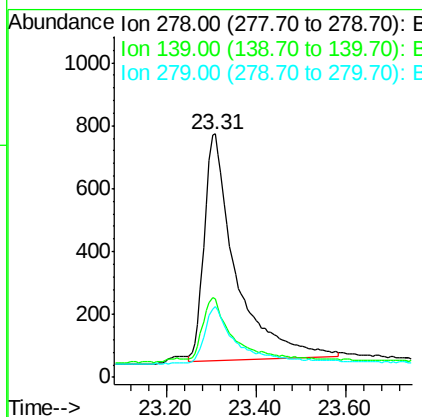
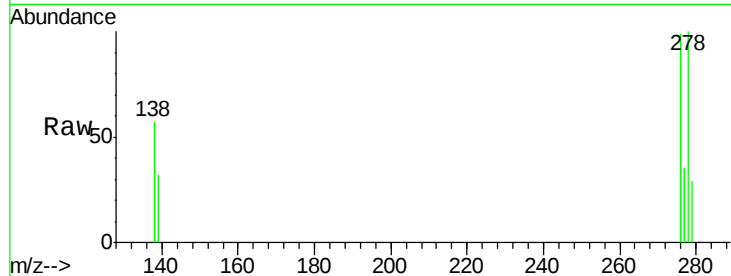
#25
Dibenzo(a,h)anthracene
Concen: 0.95 ng
RT: 23.31 min Scan# 4097
Delta R.T. 0.01 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.0	22.9	34.3
279	28.9	20.8	31.2

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#26
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 23.81 min Scan# 4174
Delta R.T. 0.01 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	20.0	30.0
138	37.0	28.5	42.7

