

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089525.D
 Acq On : 6 Feb 2015 13:10
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Manual Integrations
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 2/9/2015 11:54:48 AM

Quant Time: Feb 07 04:14:18 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 03:25:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.43	152	29957	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	111965	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	41411	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	66809	5.00	ng	0.00
16) Chrysene-d12	23.72	240	74227	5.00	ng	0.00
22) Perylene-d12	25.42	264	88784	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	1468	0.19	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	2365	0.18	ng	0.00
18) Terphenyl-d14	22.36	244	1964	0.15	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.38	128	5348	0.19	ng	98
5) 2-Methylnaphthalene	14.04	142	2897	0.17	ng	97
8) Acenaphthylene	16.16	152	13297	0.15	ng	99
9) Acenaphthene	16.59	154	2318	0.17	ng	91
10) Fluorene	17.84	166	2289	0.15	ng	99
13) Phenanthrene	19.89	178	3465	0.17	ng	98
14) Anthracene	19.99	178	2551	0.14	ng	97
15) Fluoranthene	21.79	202	2870	0.15	ng	100
17) Pyrene	22.11	202	3015	0.13	ng	98
19) Benzo(a)anthracene	23.71	228	13740	0.17	ng	98
20) Chrysene	23.76	228	14100	0.17	ng	98
21) Indeno(1,2,3-cd)pyrene	26.86	276	20906	0.22	ng	95
23) Benzo(b)fluoranthene	24.98	252	3315	0.17	ng	# 93
24) Benzo(k)fluoranthene	25.01	252	4082	0.14	ng	96
25) Benzo(a)pyrene	25.35	252	3264	0.16	ng	# 89
26) Dibenzo(a,h)anthracene	26.89	278	4260	0.19	ng	# 88
27) Benzo(g,h,i)perylene	27.29	276	18393	0.19	ng	96

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

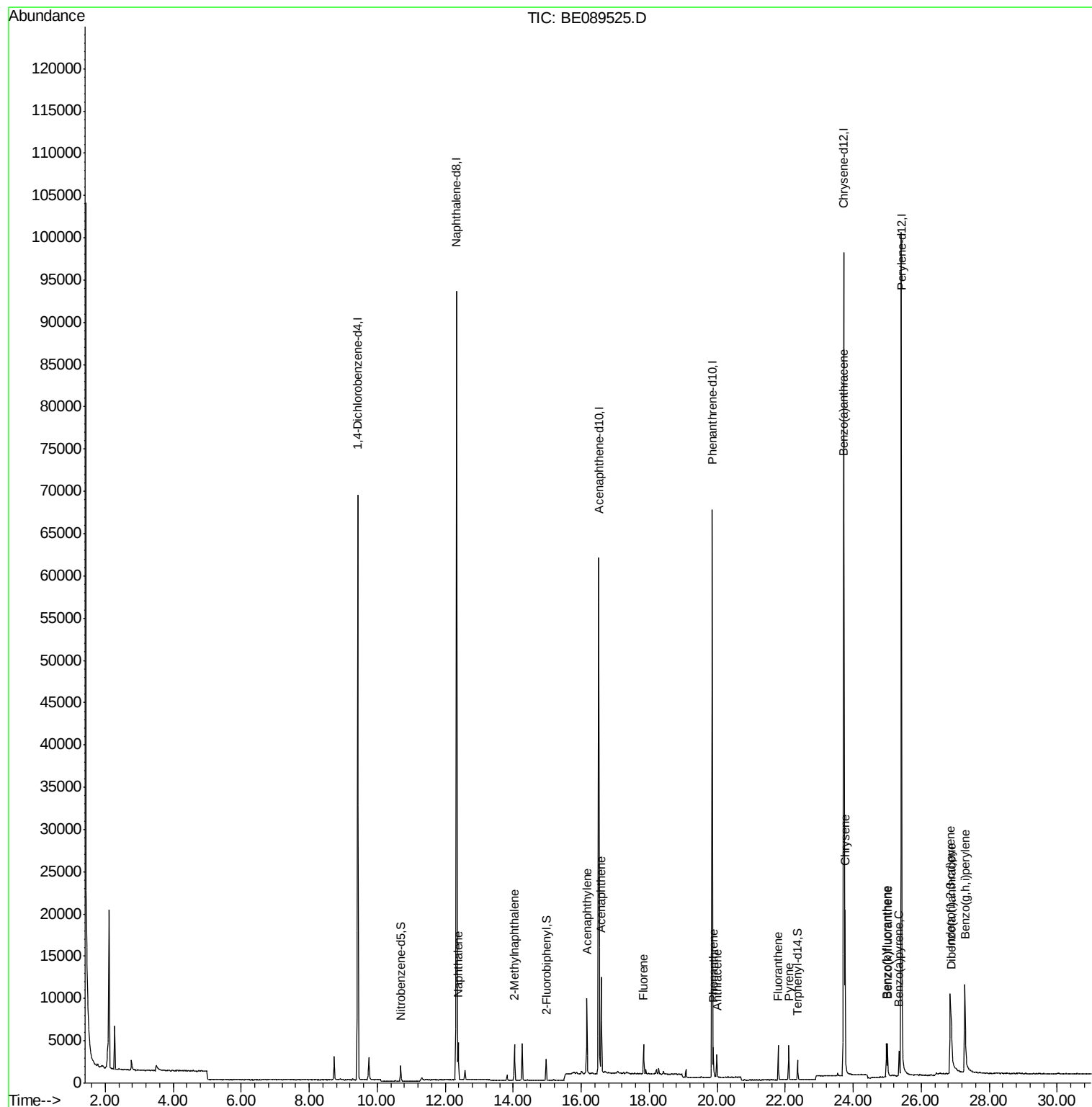
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089525.D
Acq On : 6 Feb 2015 13:10
Operator : TP/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

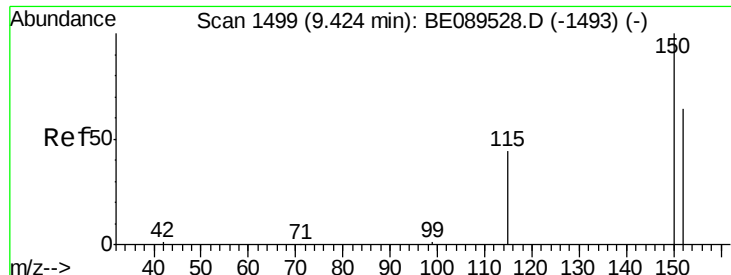
Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.43 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE089525.D

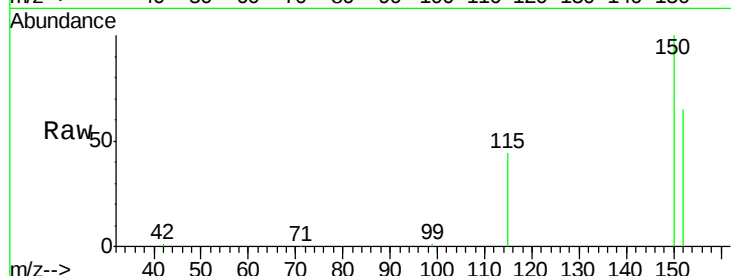
Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

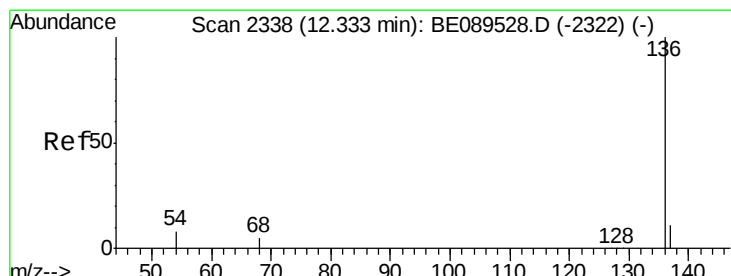
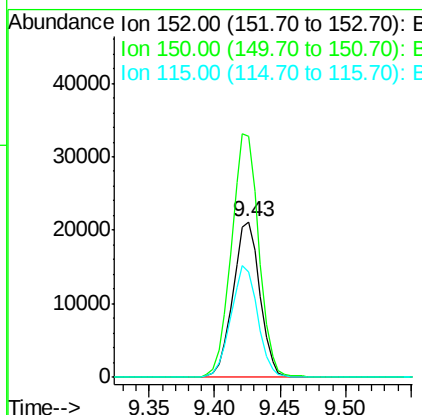
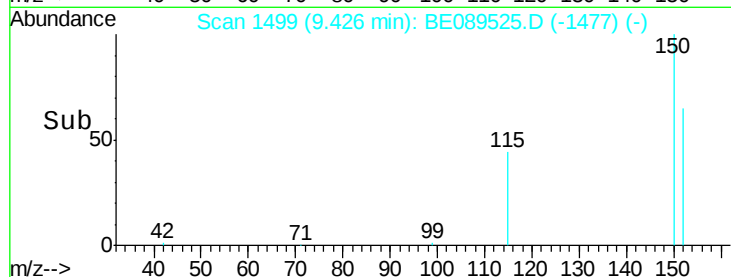
SSTDICC0.2



Tgt Ion:	152	Resp:	29957
Ion Ratio	Lower	Upper	
152	100		
150	154.8	125.7	188.5
115	67.5	55.6	83.4

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#2

Naphthalene-d8

Concen: 5.00 ng

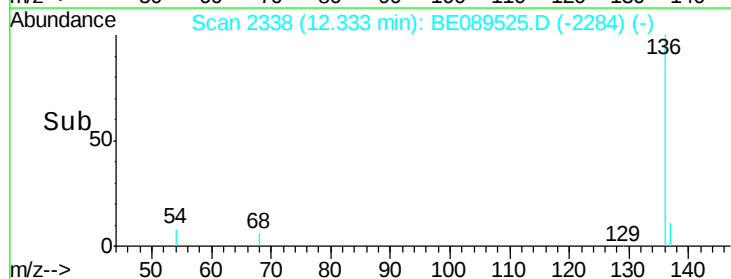
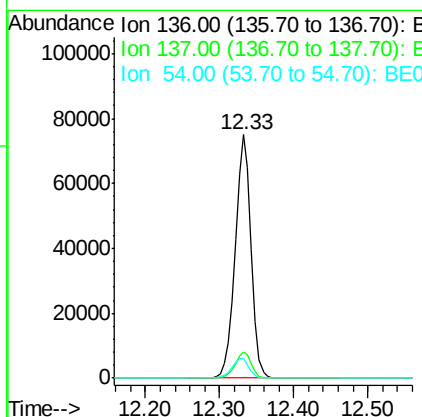
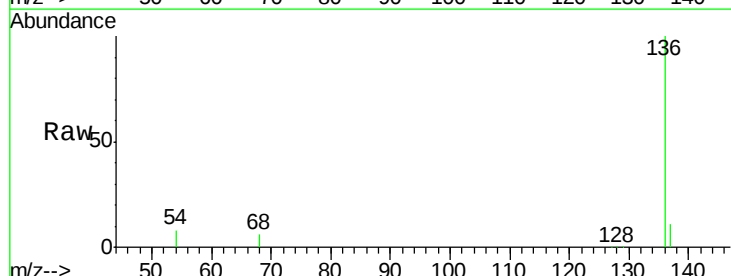
RT: 12.33 min Scan# 2338

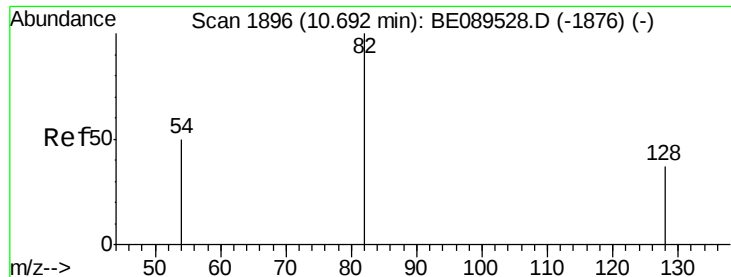
Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion:	136	Resp:	111965
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	7.8	6.1	9.1





#3

Nitrobenzene-d5

Concen: 0.19 ng

RT: 10.69 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE089525.D

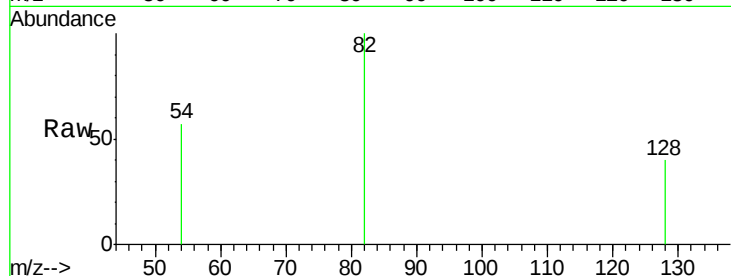
Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

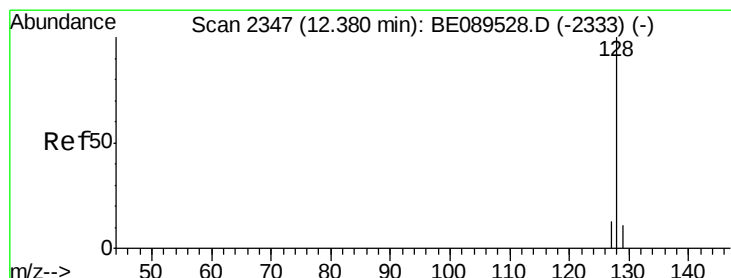
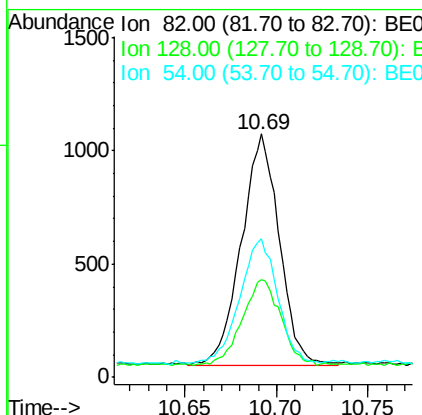
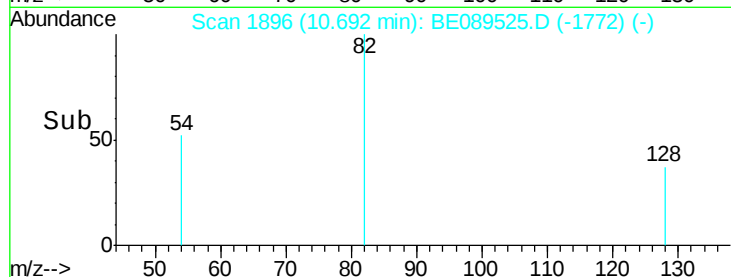
SSTDIC0.2



Tgt Ion	82	Resp:	1468
Ion Ratio	Lower	Upper	
82	100		
128	40.0	30.2	45.4
54	56.9	40.6	60.8

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#4

Naphthalene

Concen: 0.19 ng

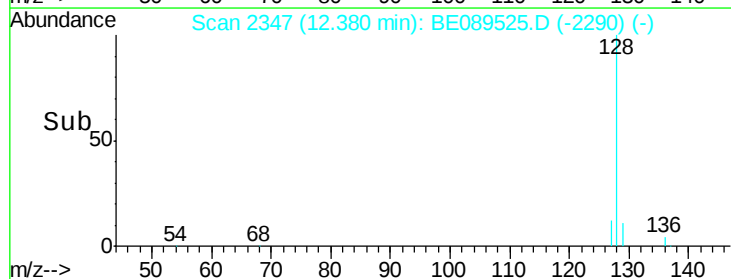
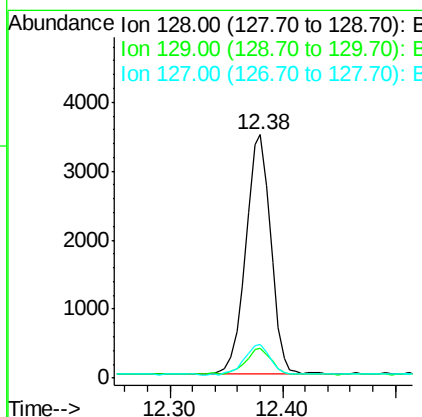
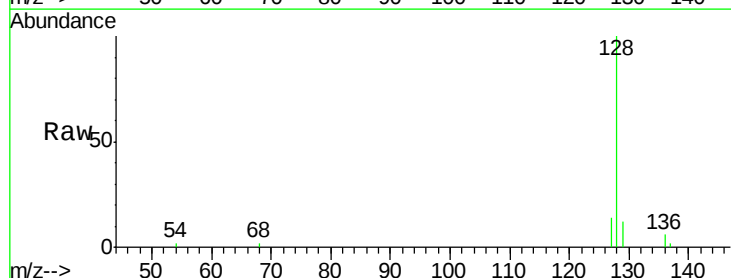
RT: 12.38 min Scan# 2347

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion	128	Resp:	5348
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.1	13.7
127	13.7	10.5	15.7





#5

2-Methylnaphthalene

Concen: 0.17 ng

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

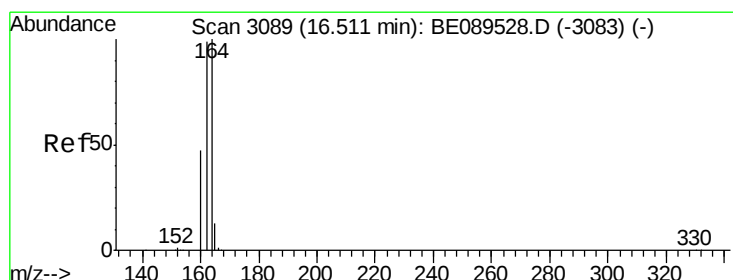
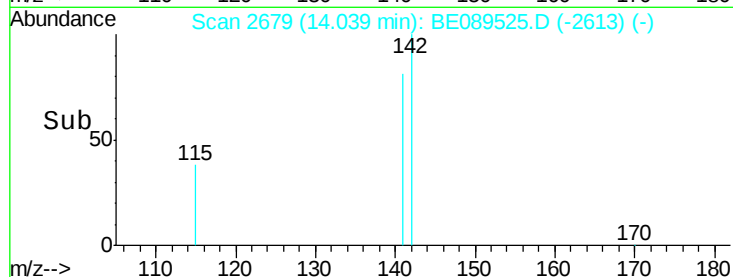
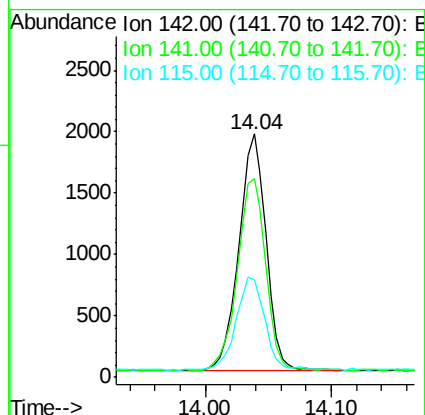
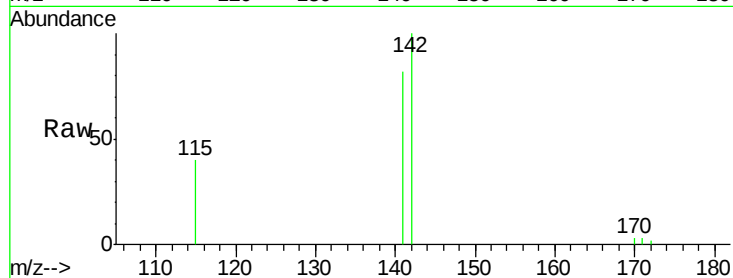
LabSampleId :

SSTDIC0.2

Tgt Ion:	142	Resp:	2897
Ion Ratio	Lower	Upper	
142	100		
141	81.6	67.0	100.6
115	40.1	30.6	45.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

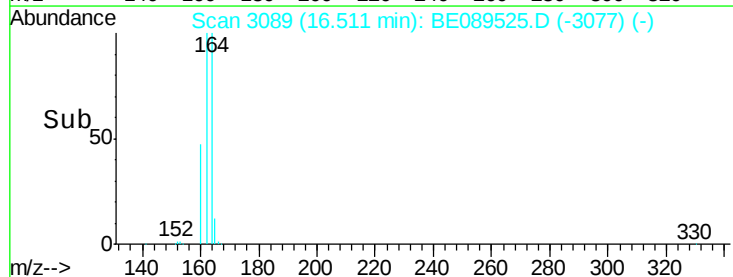
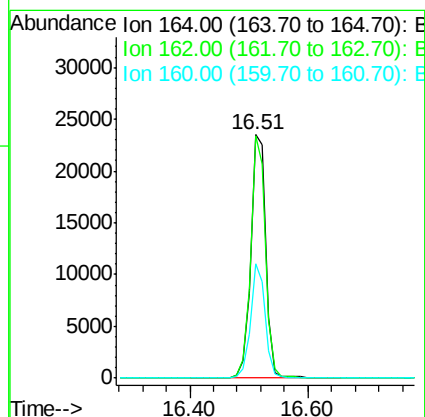
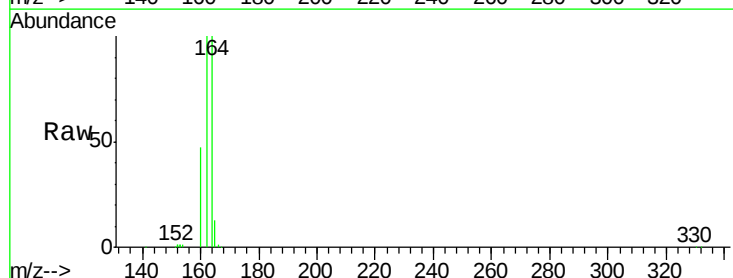
RT: 16.51 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion:	164	Resp:	41411
Ion Ratio	Lower	Upper	
164	100		
162	99.6	79.5	119.3
160	47.0	37.6	56.4





#7

2-Fluorobiphenyl

Concen: 0.18 ng

RT: 14.97 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

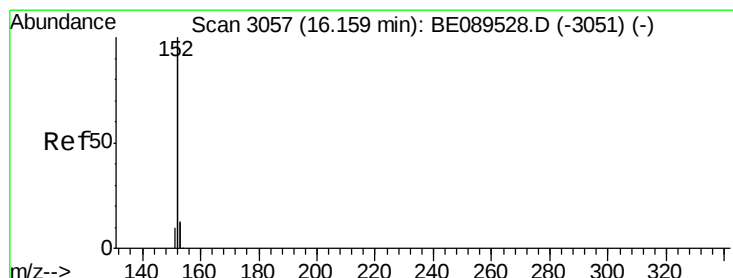
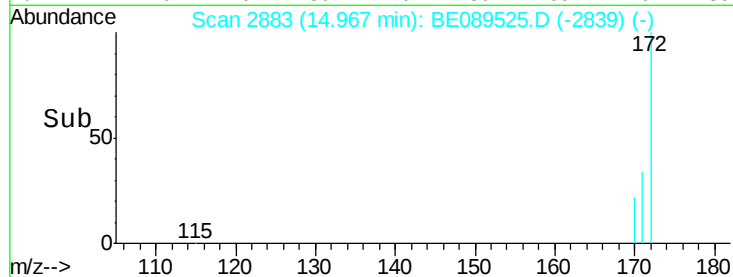
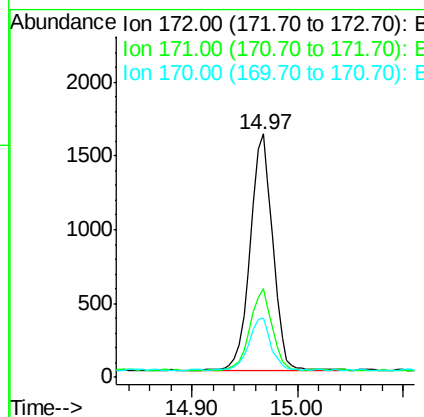
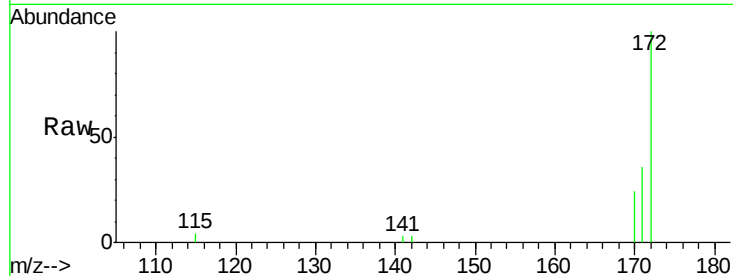
LabSampleId :

SSTDIC0.2

Tgt Ion:	172	Resp:	2365
Ion Ratio	Lower	Upper	
172	100		
171	36.2	27.7	41.5
170	24.1	18.3	27.5

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#8

Acenaphthylene

Concen: 0.15 ng

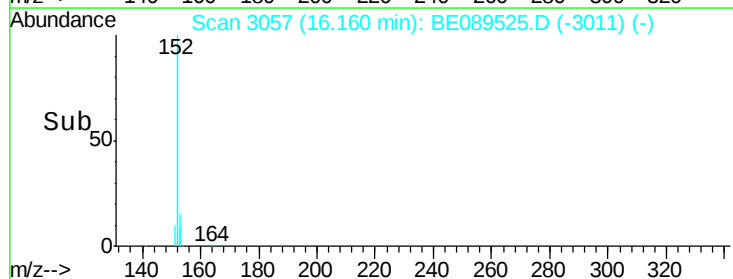
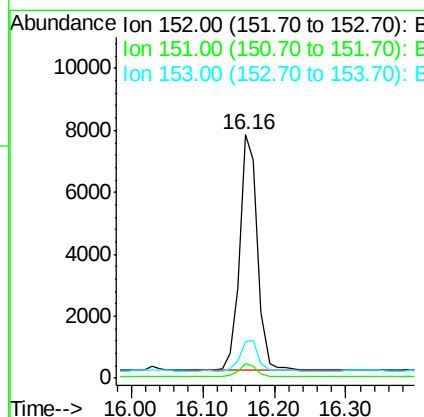
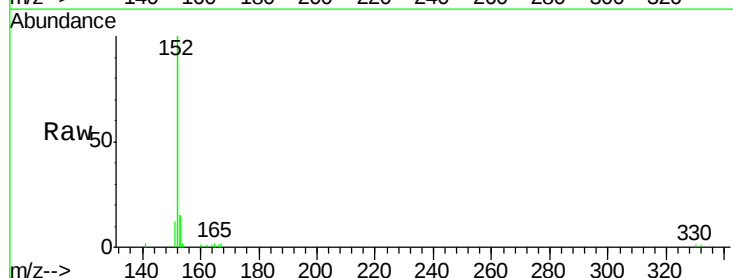
RT: 16.16 min Scan# 3057

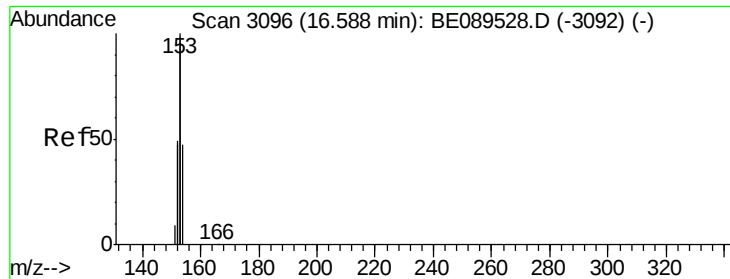
Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion:	152	Resp:	13297
Ion Ratio	Lower	Upper	
152	100		
151	5.2	4.0	6.0
153	13.5	10.6	15.8





#9

Acenaphthene

Concen: 0.17 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

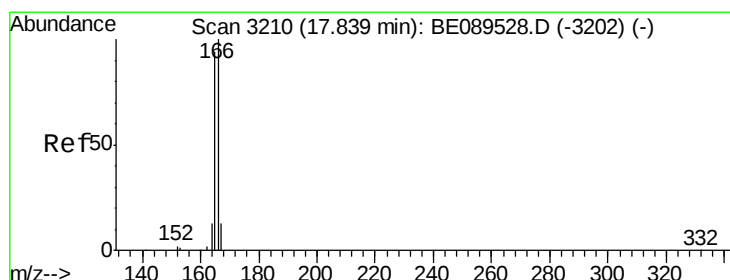
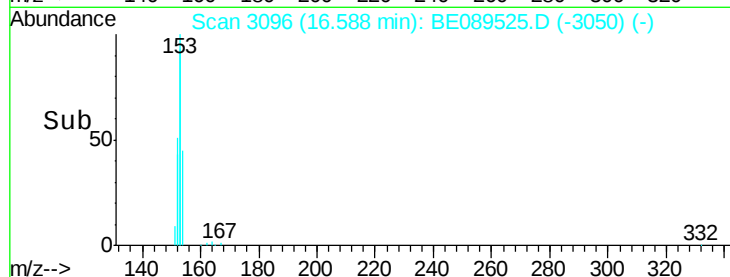
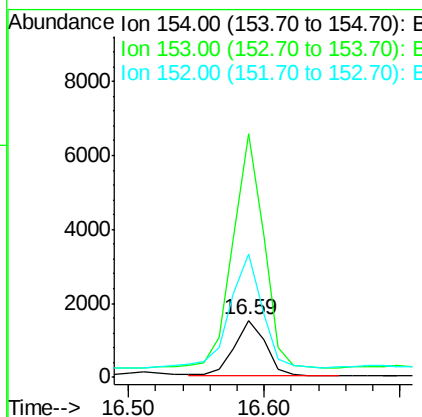
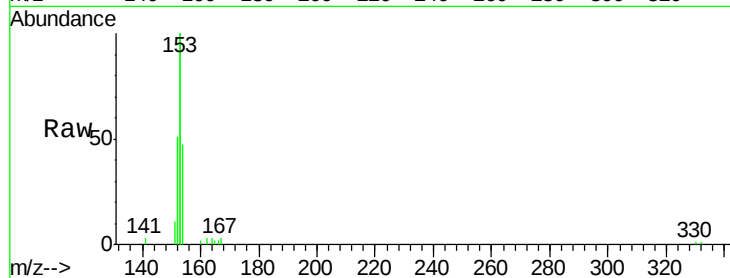
LabSampleId :

SSTDIC0.2

Tgt Ion:	154	Resp:	2318
Ion Ratio	Lower	Upper	
154	100		
153	441.5	340.8	511.2
152	229.2	165.5	248.3

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#10

Fluorene

Concen: 0.15 ng

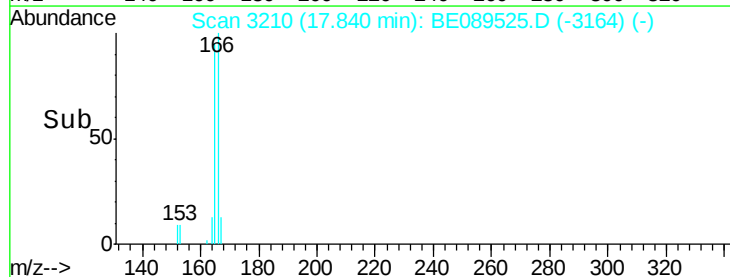
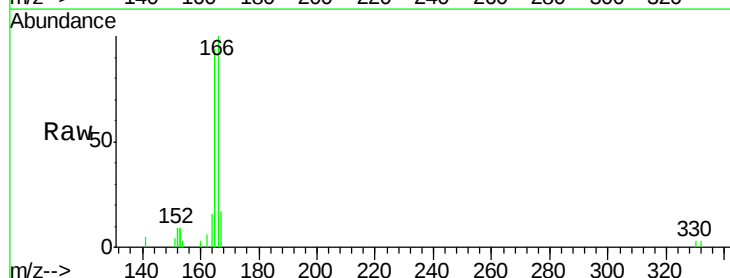
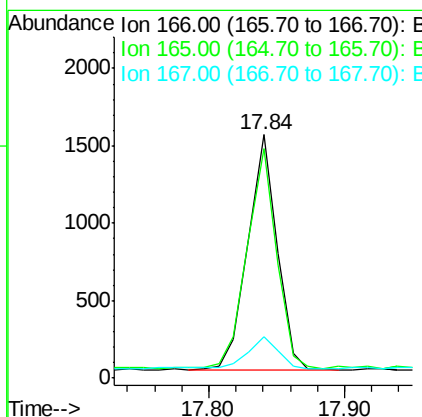
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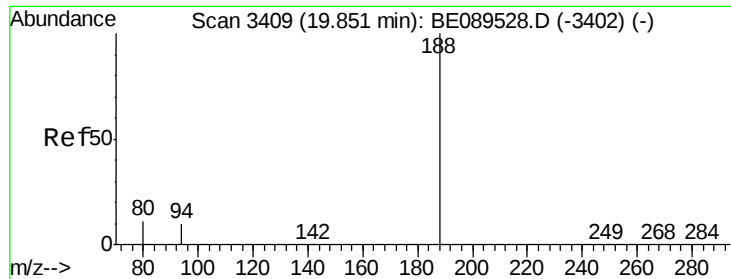
Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion:	166	Resp:	2289
Ion Ratio	Lower	Upper	
166	100		
165	93.9	75.5	113.3
167	16.2	10.9	16.3





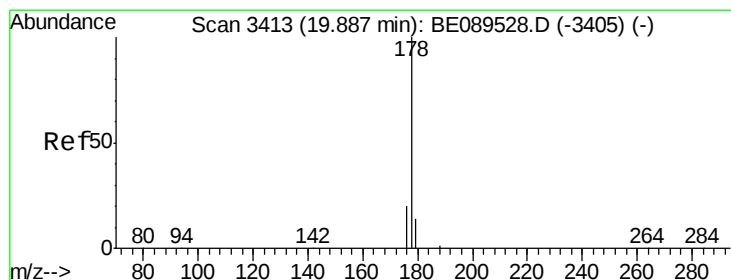
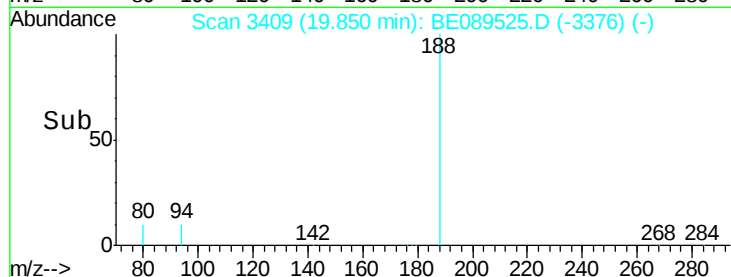
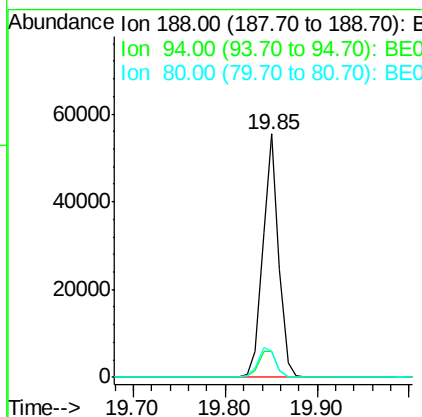
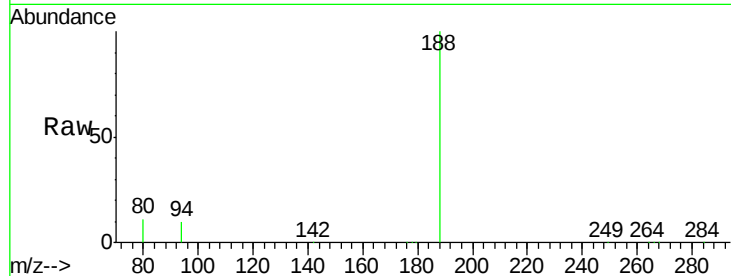
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:	188	Resp:	66809
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.4	12.6
80	10.6	8.6	12.8

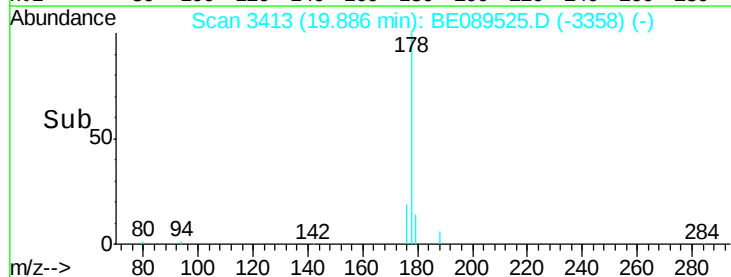
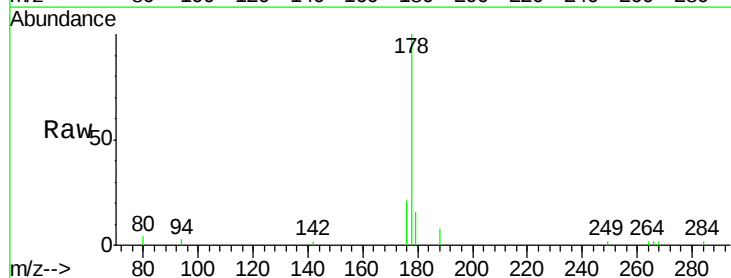
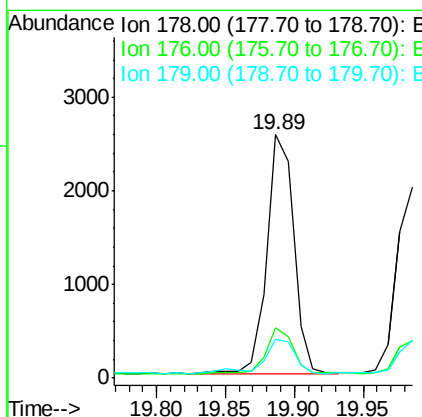
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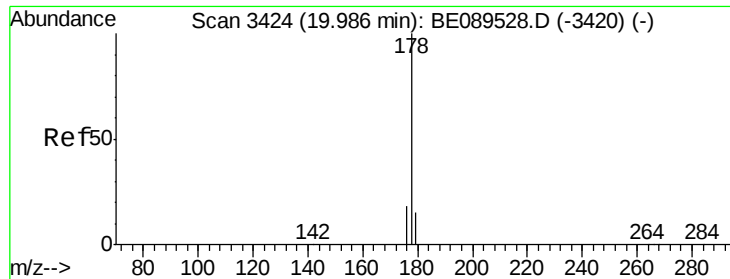
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#13
Phenanthrene
Concen: 0.17 ng
RT: 19.89 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Tgt Ion:	178	Resp:	3465
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	16.8	12.2	18.2





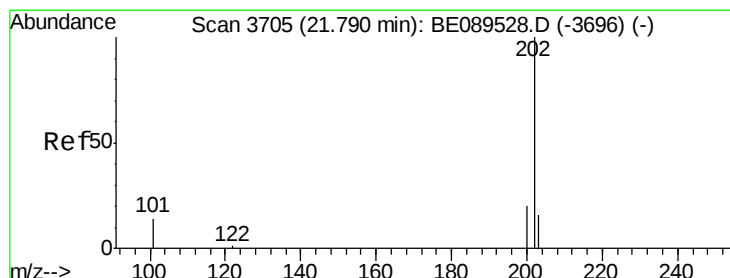
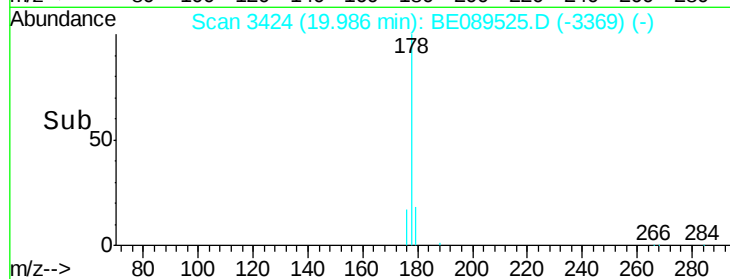
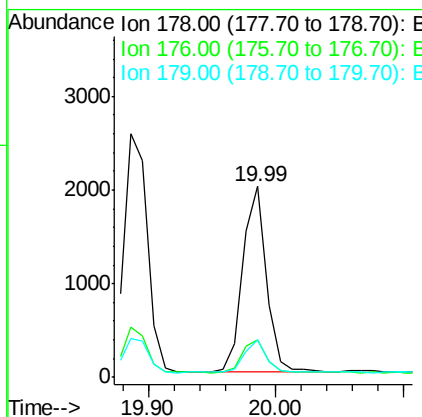
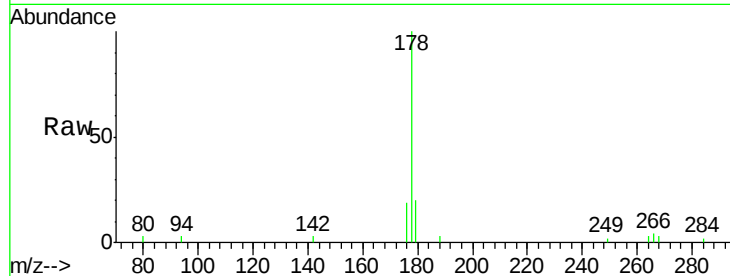
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 Anthracene
 Concen: 0.14 ng
 RT: 19.99 min Scan# 3424
 Delta R.T. -0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.5	21.7
179	17.5	12.2	18.2

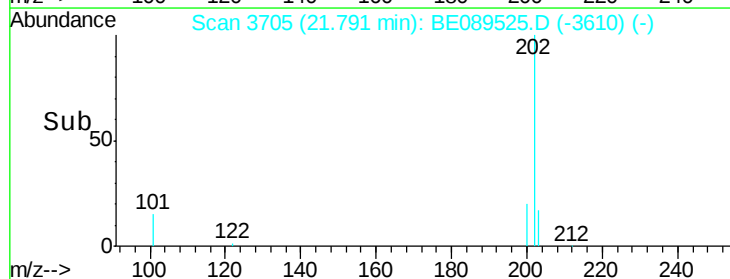
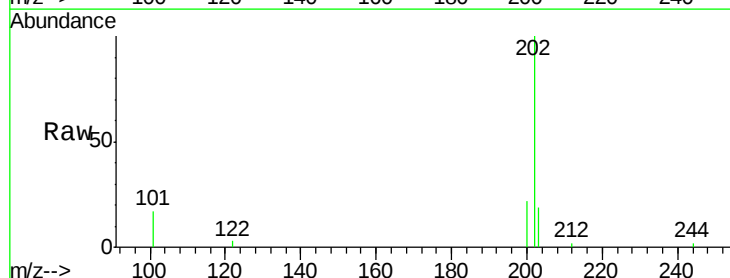
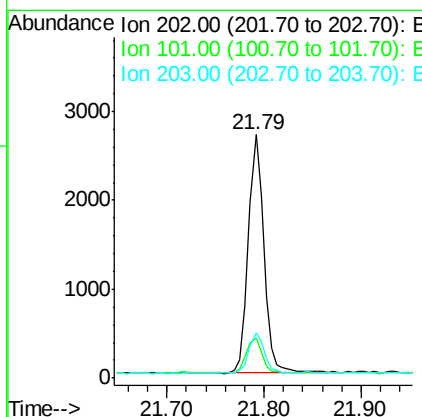
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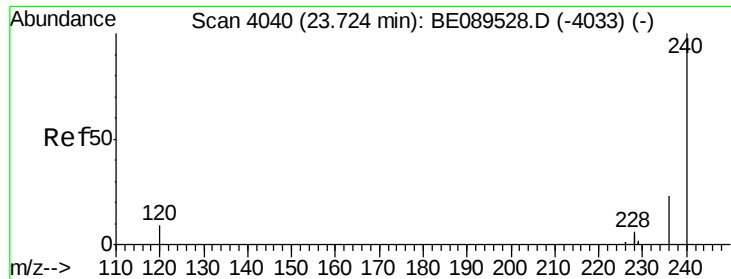
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#15
 Fluoranthene
 Concen: 0.15 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	11.6	17.4
203	16.9	13.6	20.4





#16

Chrysene-d12

Concen: 5.00 ng

RT: 23.72 min Scan# 4040

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

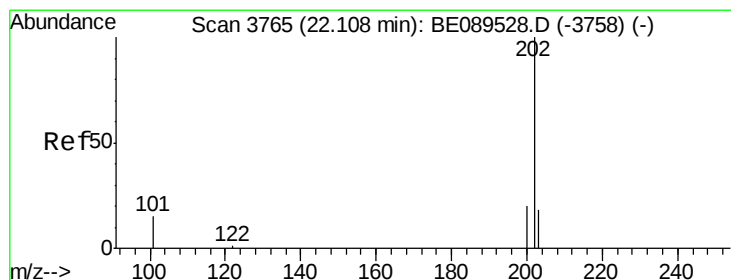
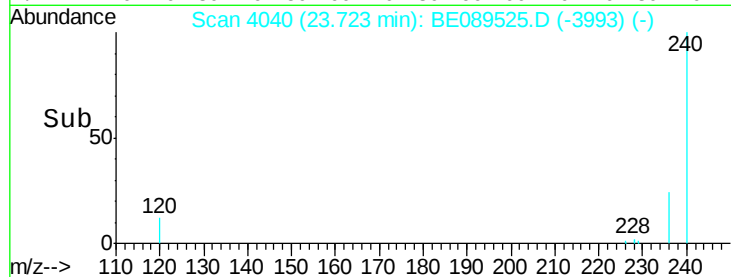
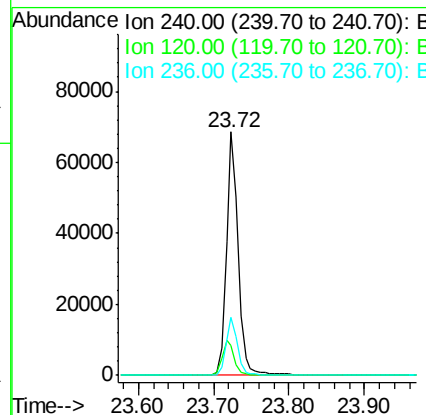
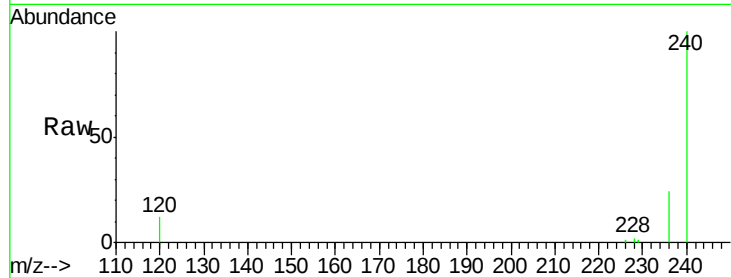
LabSampleId :

SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.2	10.8#
236	23.8	18.5	27.7

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#17

Pyrene

Concen: 0.13 ng

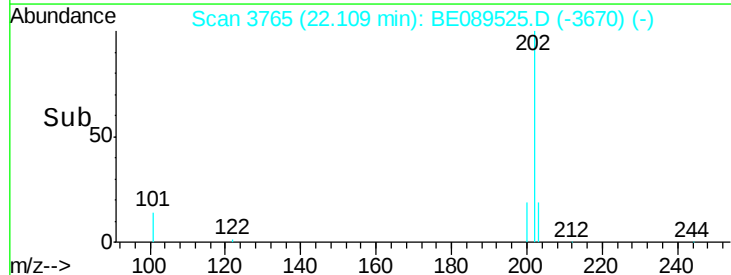
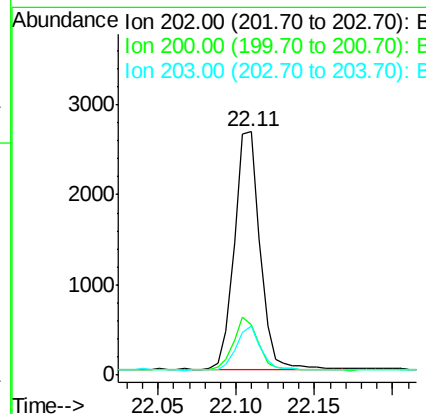
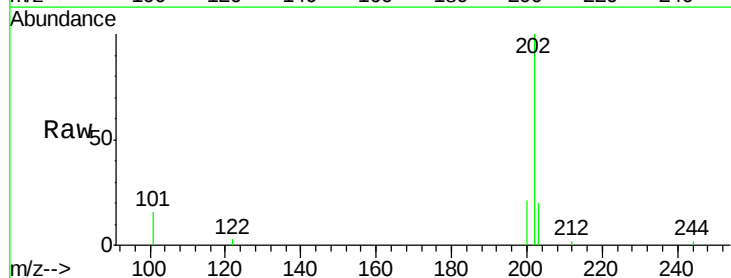
RT: 22.11 min Scan# 3765

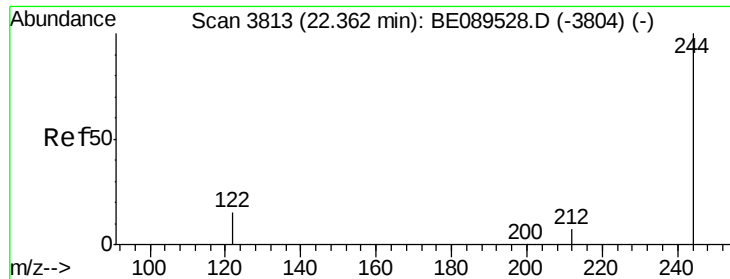
Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	18.4	13.5	20.3





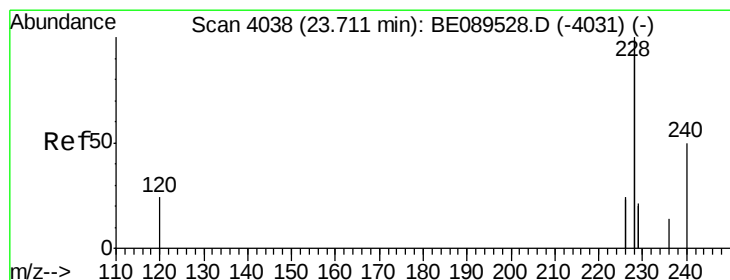
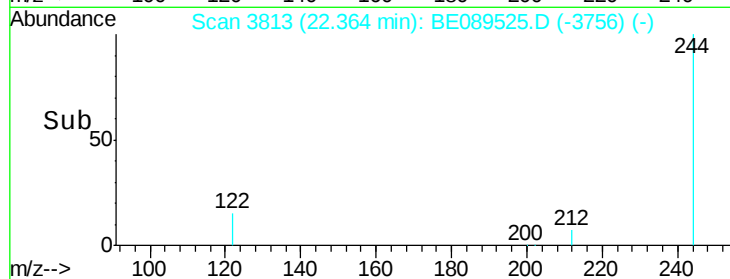
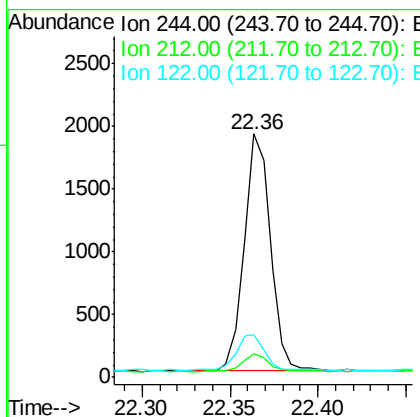
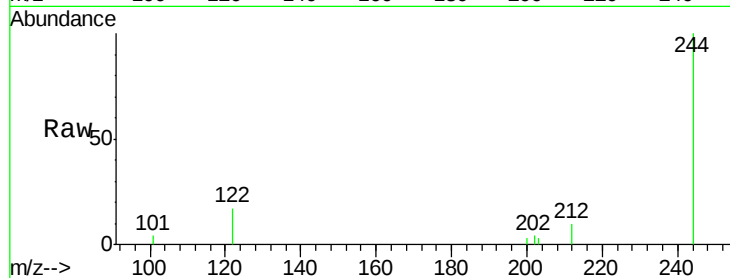
#18
 Terphenyl-d14
 Concen: 0.15 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	5.8	8.8#
122	17.5	12.6	19.0

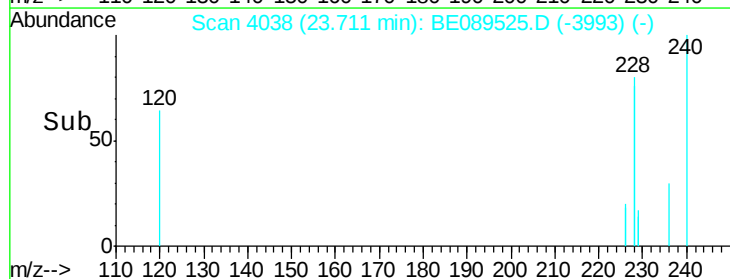
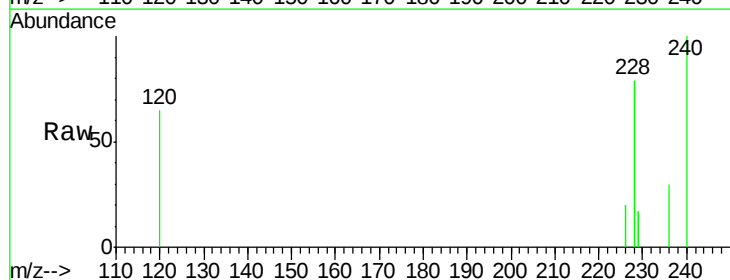
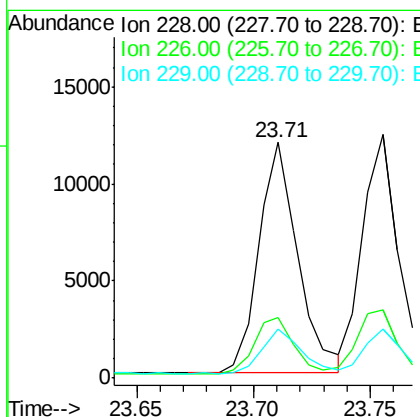
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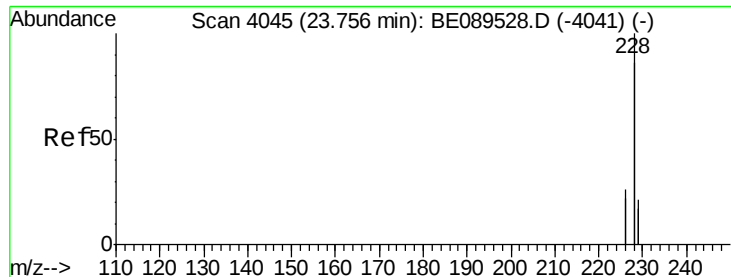
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#19
 Benzo(a)anthracene
 Concen: 0.17 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. -0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.5	19.0	28.4
229	21.1	16.8	25.2





#20

Chrysene

Concen: 0.17 ng

RT: 23.76 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

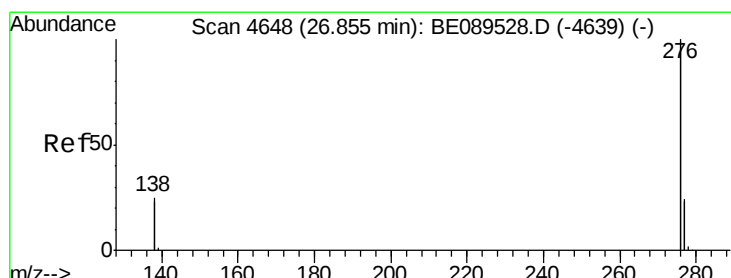
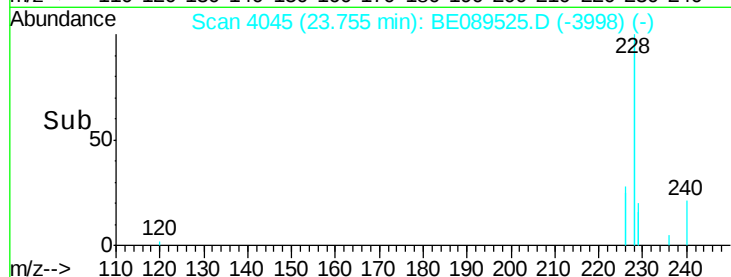
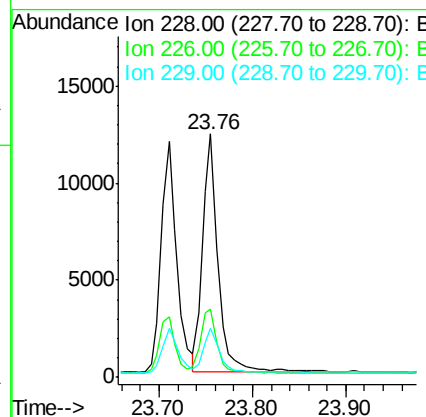
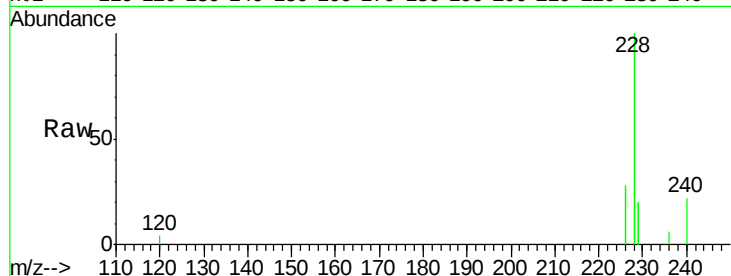
LabSampleId :

SSTDICC0.2

Tgt Ion:	228	Resp:	14100
Ion Ratio		Lower	Upper
228	100		
226	27.9	21.0	31.4
229	20.3	16.7	25.1

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng

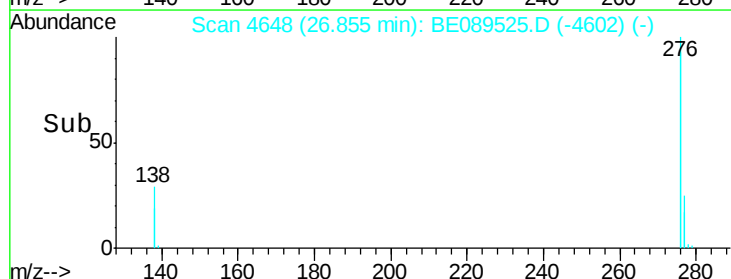
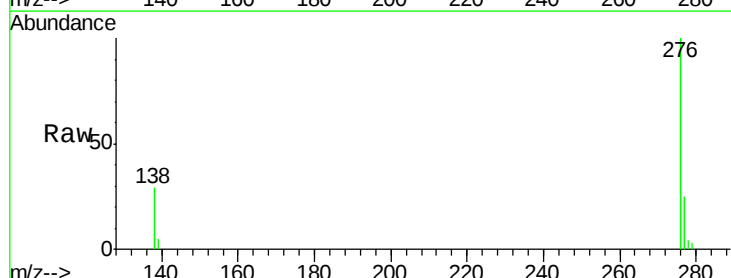
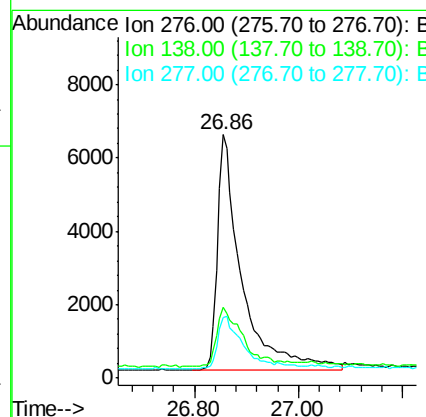
RT: 26.86 min Scan# 4648

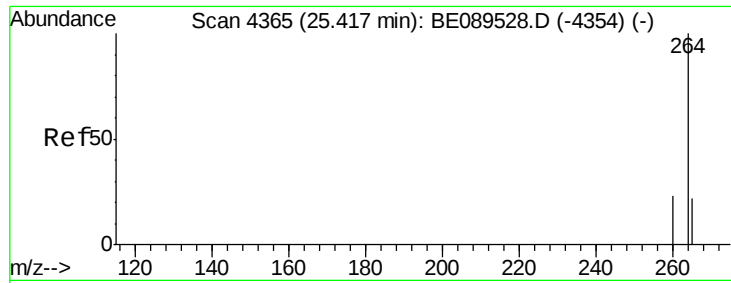
Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion:	276	Resp:	20906
Ion Ratio		Lower	Upper
276	100		
138	26.1	23.0	34.4
277	22.6	19.9	29.9





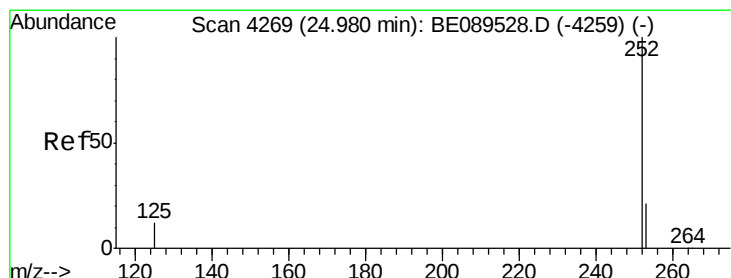
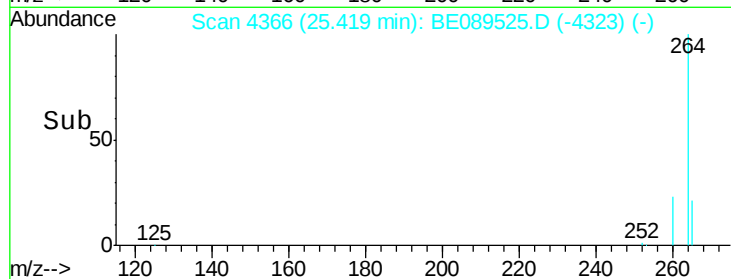
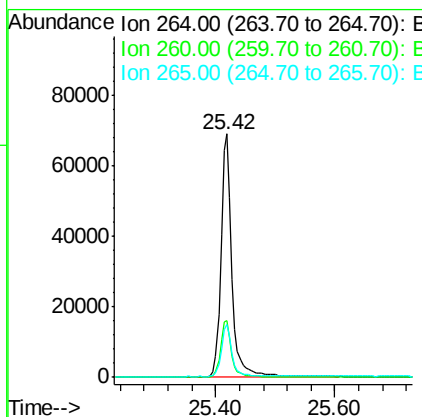
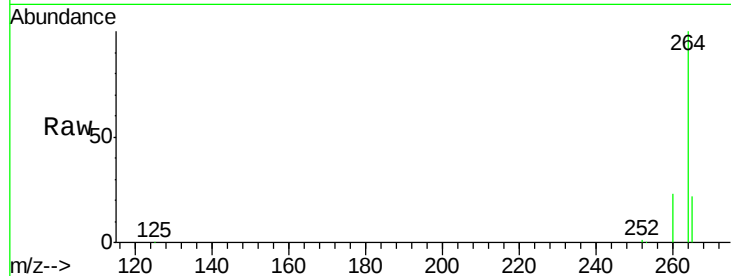
#22
Perylene-d12
Concen: 5.00 ng
RT: 25.42 min Scan# 4366
Delta R.T. 0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion: 264 Resp: 88784
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.6 17.5 26.3

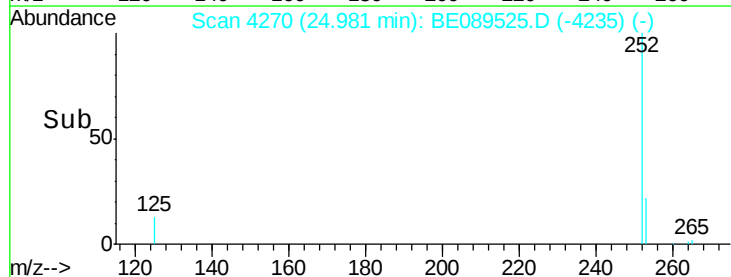
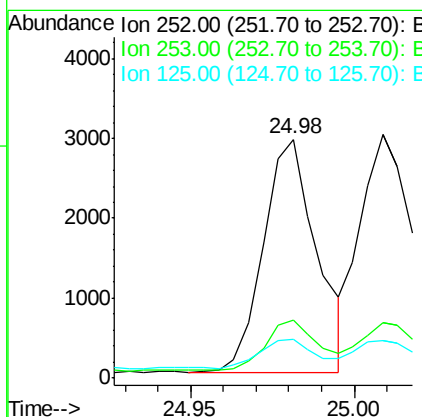
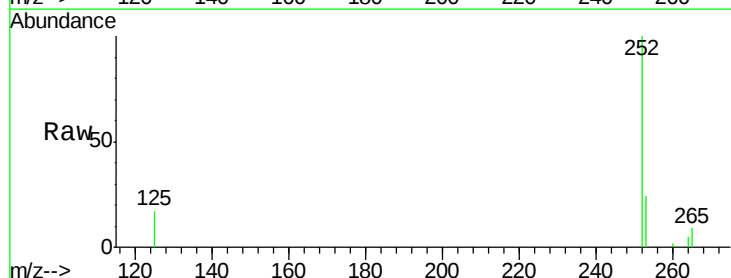
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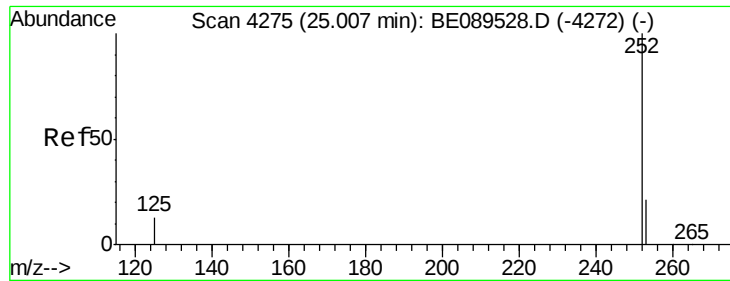
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#23
Benzo(b)fluoranthene
Concen: 0.17 ng
RT: 24.98 min Scan# 4270
Delta R.T. 0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Tgt Ion: 252 Resp: 3315
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 16.5 10.4 15.6#





#24

Benzo(k)fluoranthene

Concen: 0.14 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089525.D

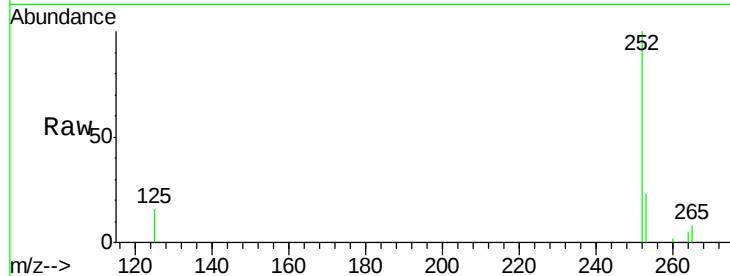
Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

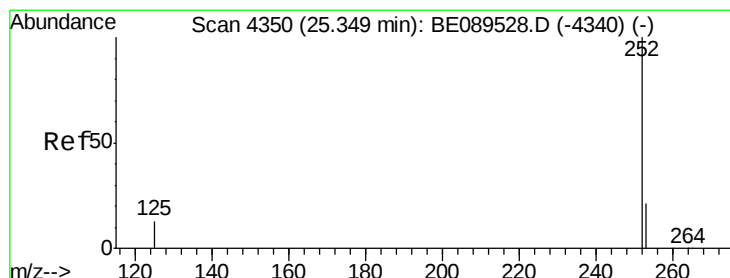
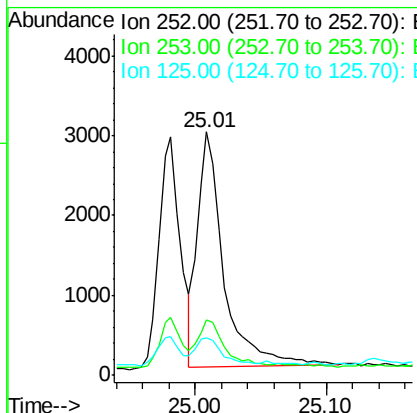
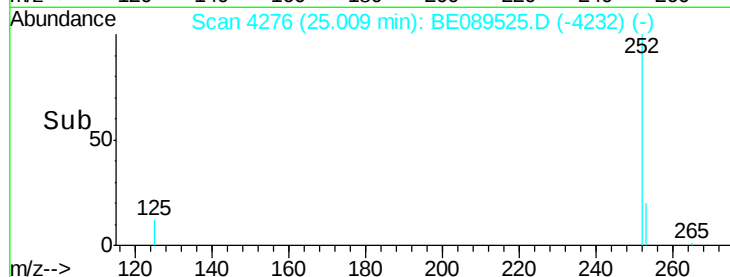
SSTDIC0.2



Tgt Ion:	252	Resp:	4082
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.2	25.8
125	15.6	10.6	15.8

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#25

Benzo(a)pyrene

Concen: 0.16 ng

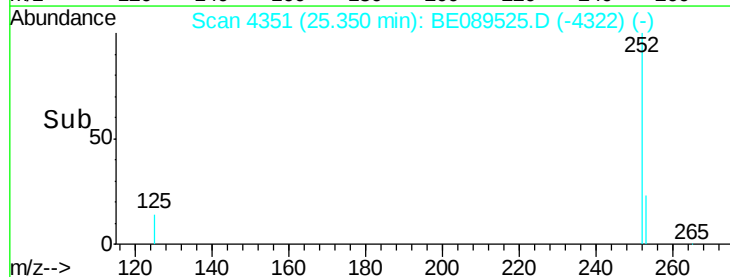
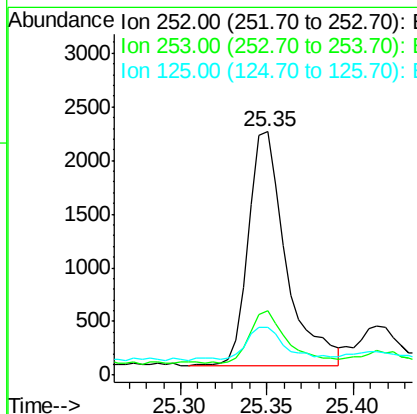
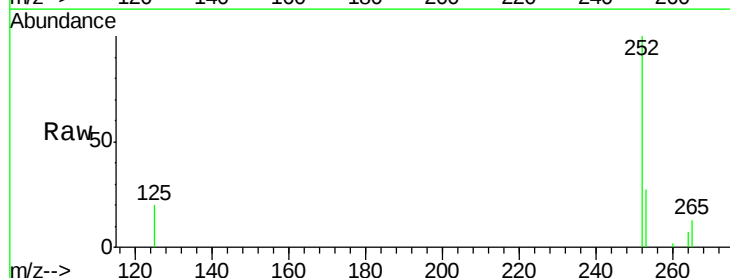
RT: 25.35 min Scan# 4351

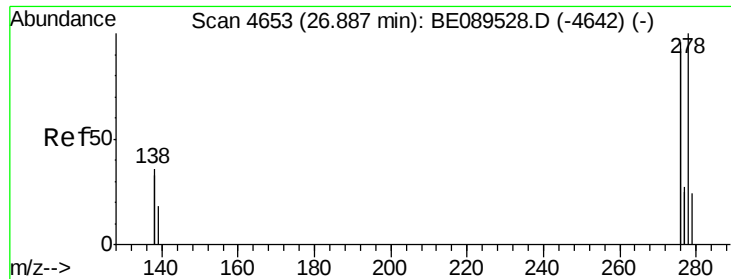
Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Tgt Ion:	252	Resp:	3264
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.8	26.6
125	19.5	11.4	17.2#





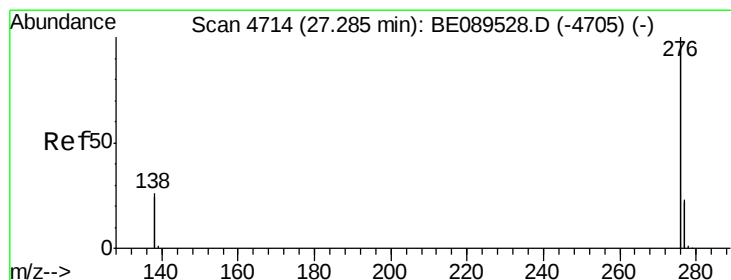
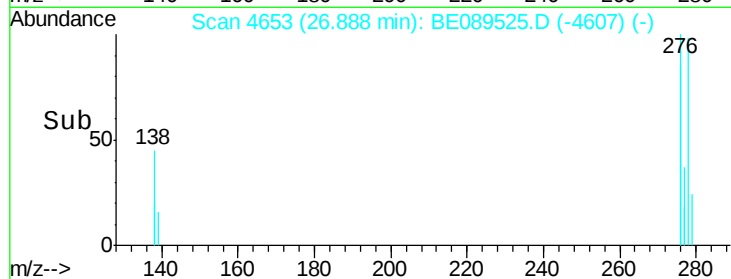
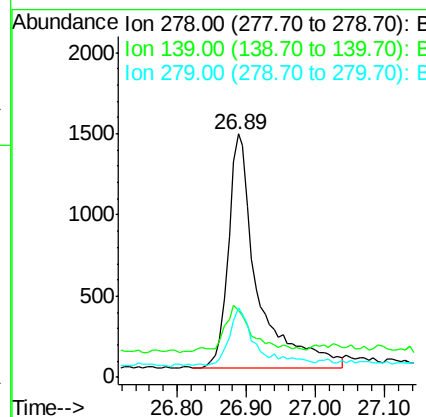
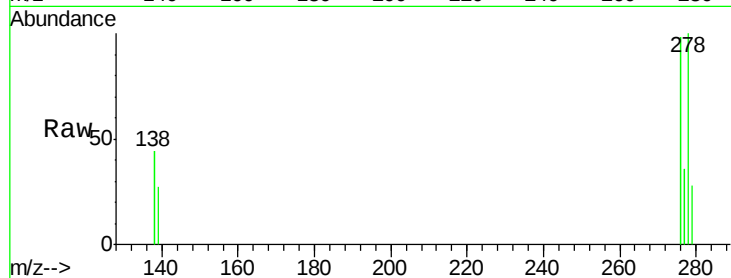
#26
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 26.89 min Scan# 4653
Delta R.T. 0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.5	15.7	23.5#
279	28.4	19.5	29.3

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#27
Benzo(g,h,i)perylene
Concen: 0.19 ng
RT: 27.29 min Scan# 4714
Delta R.T. 0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	27.8
138	27.6	20.9	31.3

