

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089575.D
 Acq On : 16 Feb 2015 18:29
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

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Quant Time: Feb 17 01:05:51 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 18:23:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	76891	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	307829	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	145984	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	277334	5.00	ng	0.00
20) Chrysene-d12	23.66	240	288653	5.00	ng	0.00
27) Perylene-d12	25.34	264	270995	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	3938	0.18	ng	0.00
4) Phenol-d6	8.63	99	5396	0.18	ng	0.00
8) Nitrobenzene-d5	10.61	82	2205	0.17	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	521	0.16	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	7585	0.19	ng	0.00
22) Terphenyl-d14	22.30	244	7163	0.18	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.45	42	1787m	0.15	ng	
5) Phenol	8.66	94	5742	0.18	ng	98
6) bis(2-Chloroethyl)ether	8.83	93	4514	0.19	ng	# 95
9) Nitrobenzene	10.65	77	2418	0.15	ng	99
10) 2,4-Dimethylphenol	11.59	122	3183	0.18	ng	97
11) 2,4-Dichlorophenol	11.97	162	2456	0.17	ng	94
12) Hexachlorobutadiene	12.64	225	1834	0.20	ng	99
18) Hexachlorobenzene	19.00	284	2255	0.19	ng	93
19) Pentachlorophenol	19.45	266	291	0.14	ng	93
21) Benzidine	21.97	184	2641	0.10	ng	# 92
23) Benzo(a)anthracene	23.64	228	47481	0.17	ng	95
24) 3,3'-Dichlorobenzidine	23.63	252	2263	0.11	ng	# 97
25) Chrysene	23.69	228	54641	0.20	ng	98
26) Indeno(1,2,3-cd)pyrene	26.75	276	9039	0.13	ng	95
28) Benzo(b)fluoranthene	24.92	252	7102	0.12	ng	97
29) Benzo(k)fluoranthene	24.94	252	12516	0.16	ng	97
30) Benzo(a)pyrene	25.27	252	6799	0.12	ng	97
31) Dibenzo(a,h)anthracene	26.78	278	6431	0.11	ng	97

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

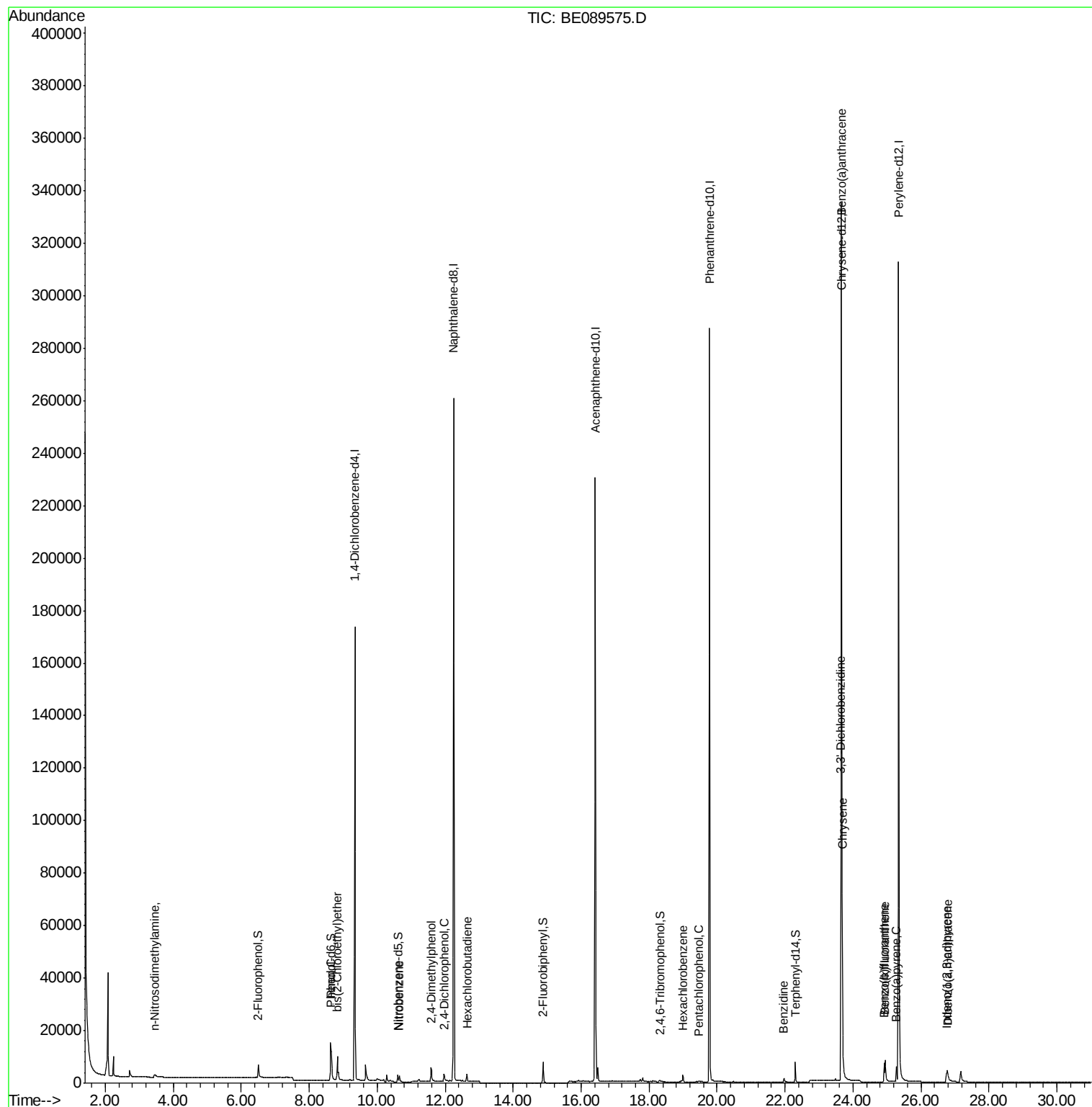
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
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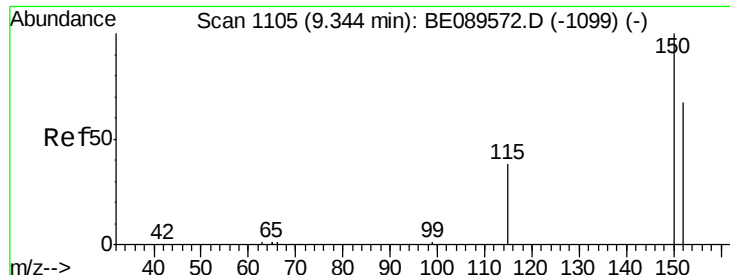
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BE089575.D

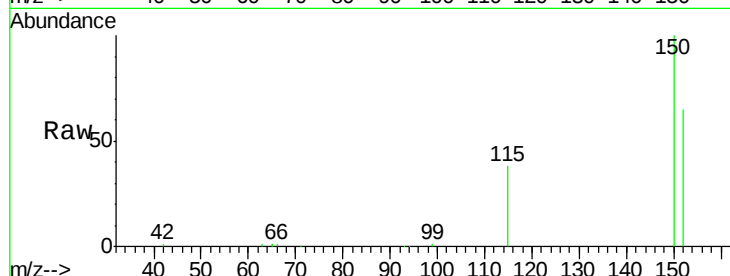
Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2



Tot Ion:152 Resp: 76891

Ion Ratio Lower Upper

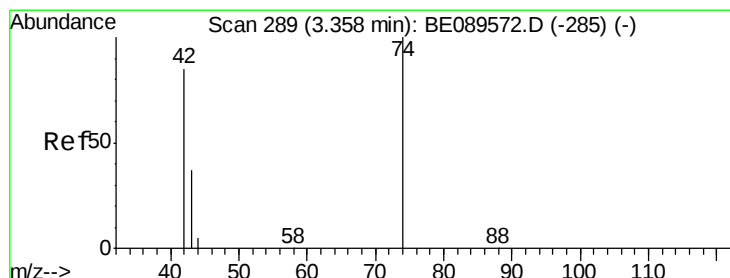
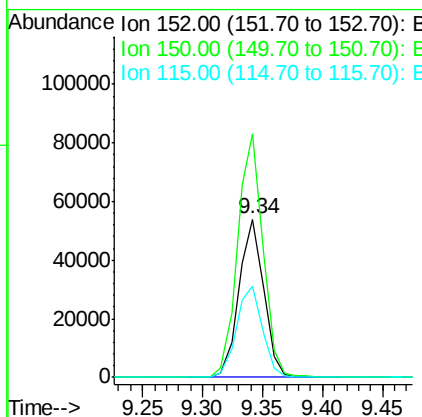
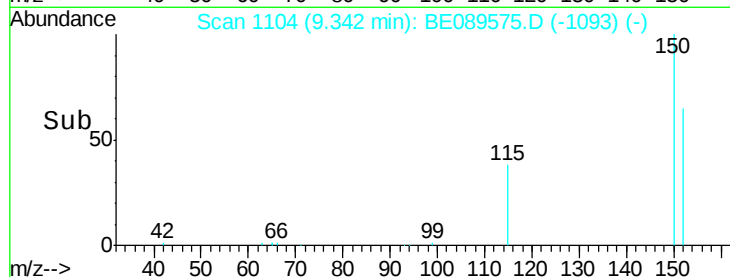
152 100

150 154.2 120.2 180.2

115 58.0 45.2 67.8

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#2

n-Nitrosodimethylamine

Concen: 0.15 ng

RT: 3.45 min Scan# 303

Delta R.T. 0.10 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

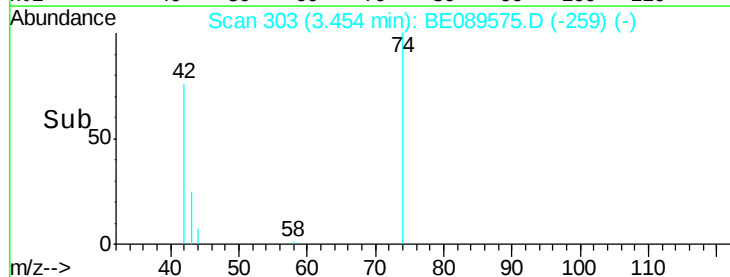
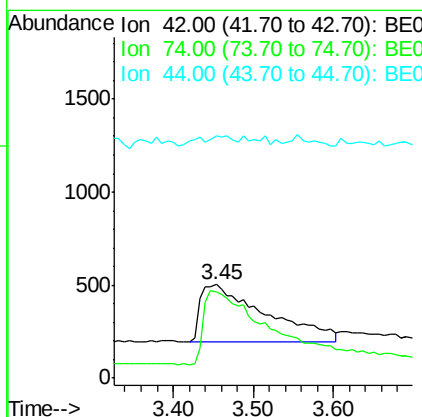
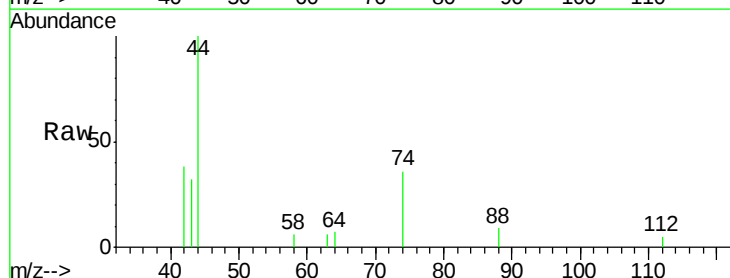
Tgt Ion: 42 Resp: 1787

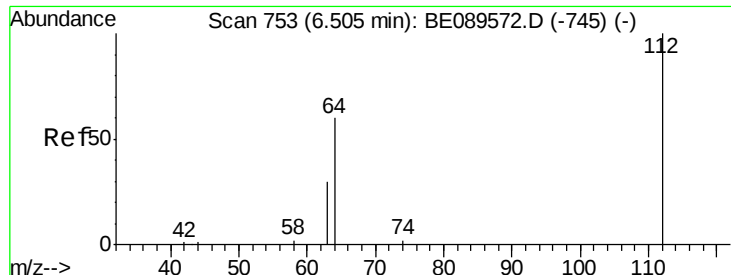
Ion Ratio Lower Upper

42 100

74 92.8 90.1 135.1

44 260.2 35.0 52.4#





#3

2-Fluorophenol

Concen: 0.18 ng

RT: 6.51 min Scan# 754

Delta R.T. 0.01 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

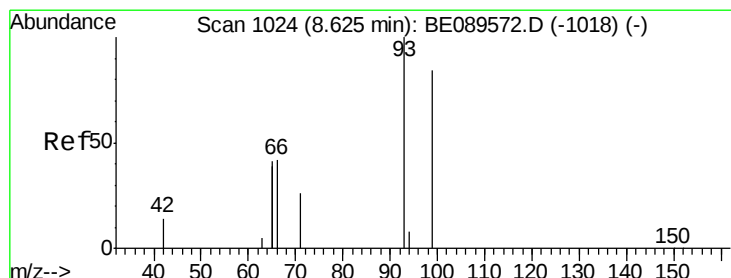
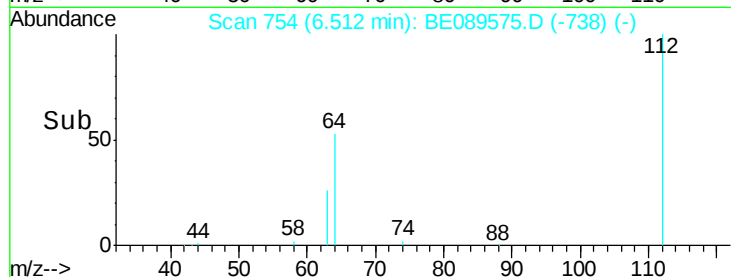
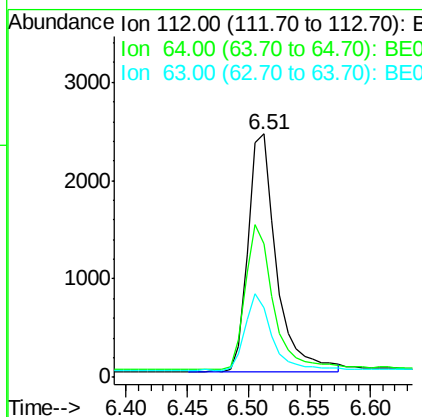
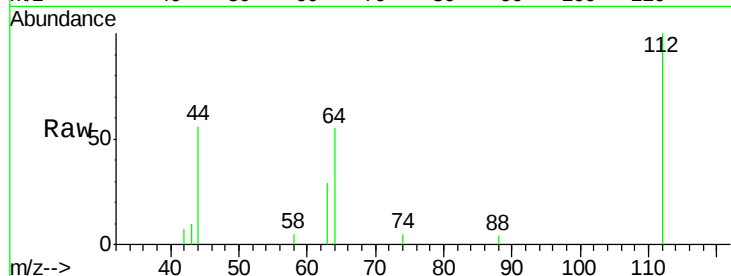
LabSampleId :

SSTDIC0.2

Tot Ion:	112	Resp:	3938
Ion Ratio	Lower	Upper	
112	100		
64	54.7	48.6	72.8
63	28.8	24.6	37.0

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#4

Phenol-d6

Concen: 0.18 ng

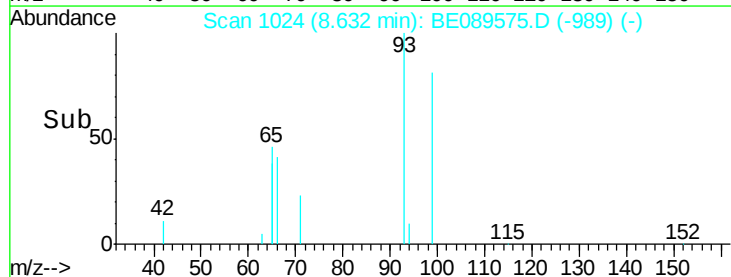
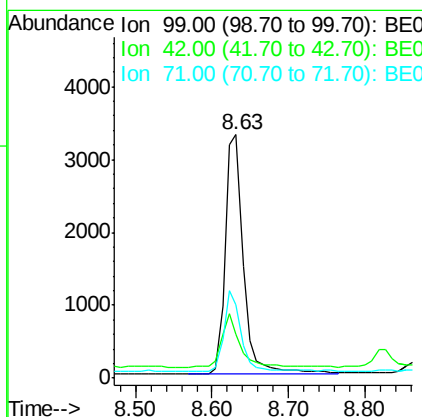
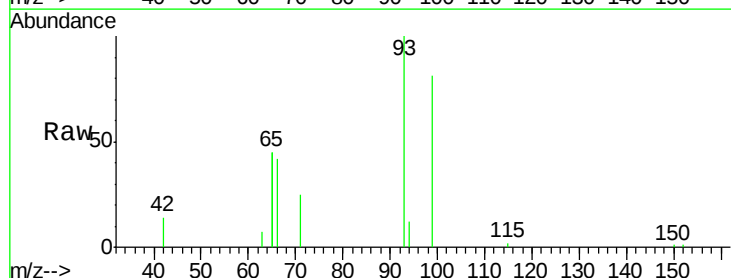
RT: 8.63 min Scan# 1024

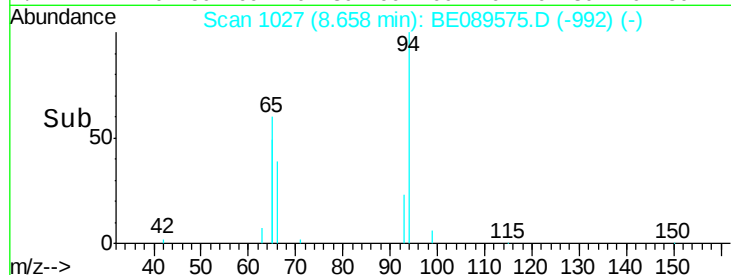
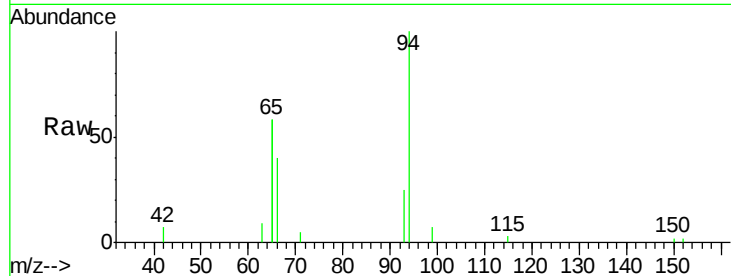
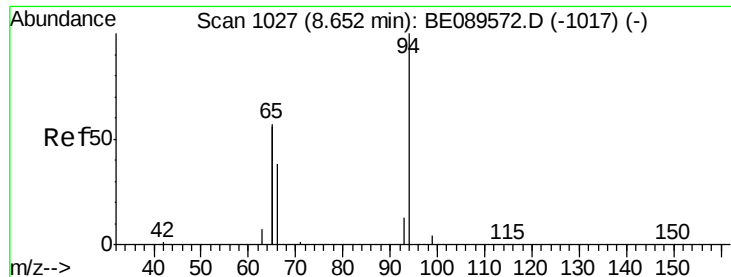
Delta R.T. 0.01 min

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Tgt Ion:	99	Resp:	5396
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.9	20.9
71	30.3	25.2	37.8





#5

Phenol

Concen: 0.18 ng

RT: 8.66 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

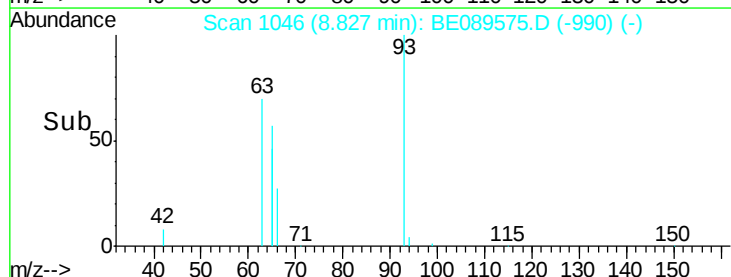
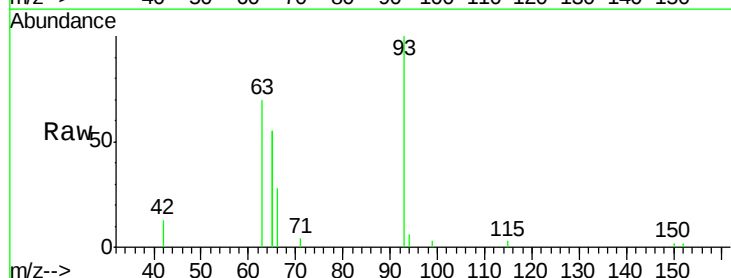
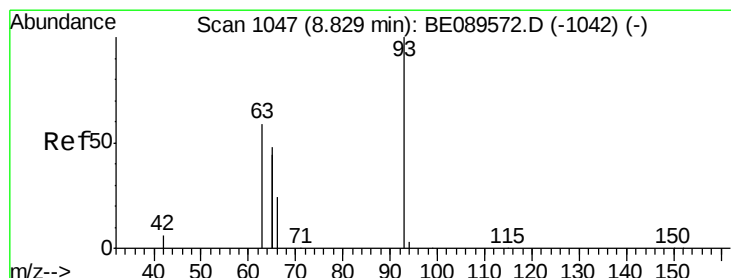
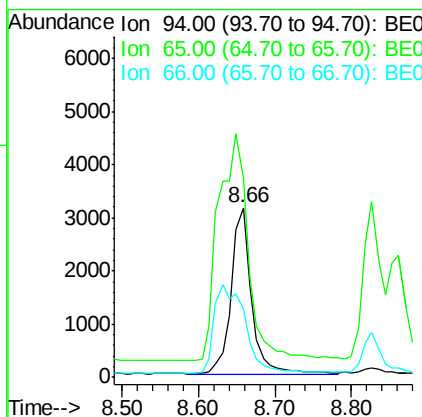
LabSampleId :

SSTDICC0.2

Tot Ion:	94	Resp:	5742
Ion	Ratio	Lower	Upper
94	100		
65	116.9	94.5	134.5
66	40.2	18.2	58.2

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#6

bis(2-Chloroethyl)ether

Concen: 0.19 ng

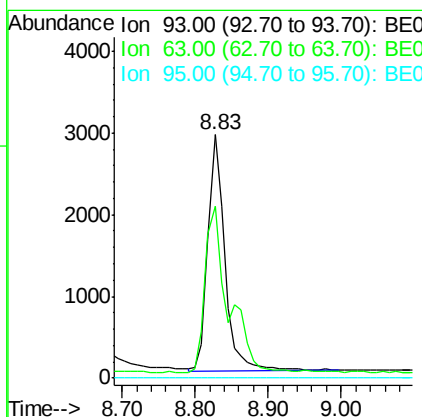
RT: 8.83 min Scan# 1046

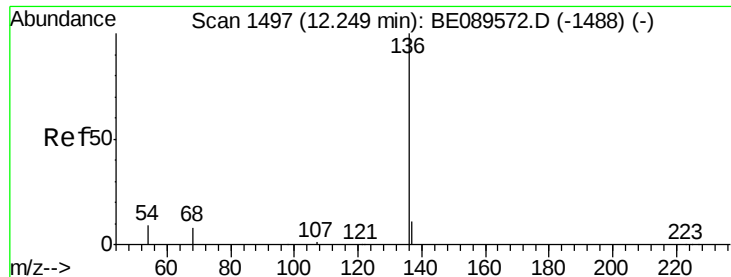
Delta R.T. -0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Tgt Ion:	93	Resp:	4514
Ion	Ratio	Lower	Upper
93	100		
63	97.5	81.7	122.5
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

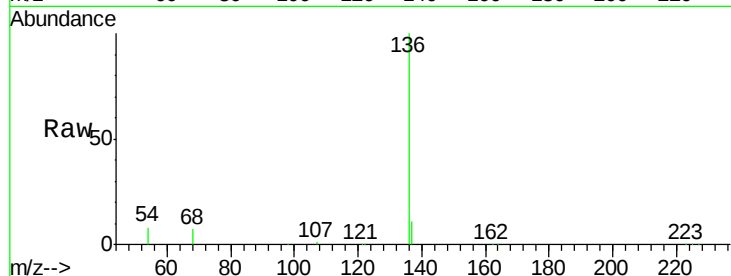
LabSampleId :

SSTDICC0.2

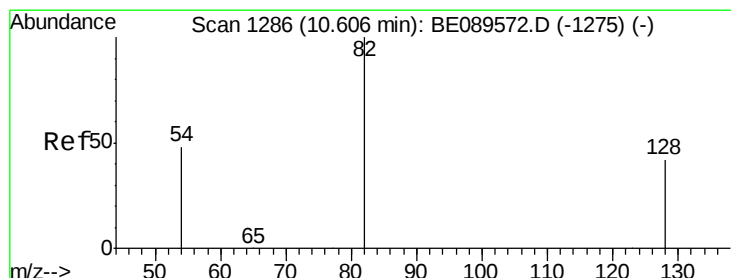
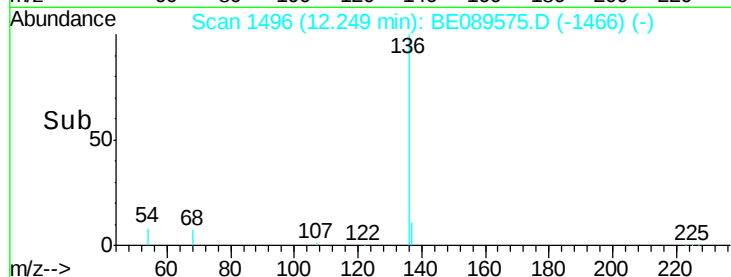
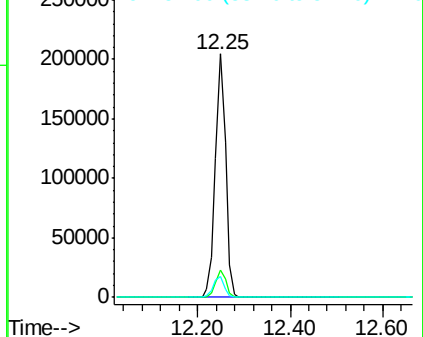
Tot Ion:	136	Resp:	307829
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	8.4	7.0	10.4

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.17 ng

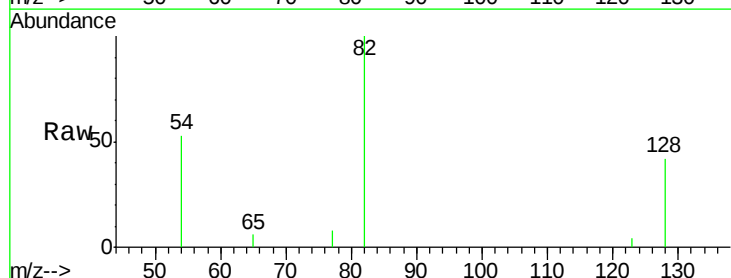
RT: 10.61 min Scan# 1285

Delta R.T. 0.00 min

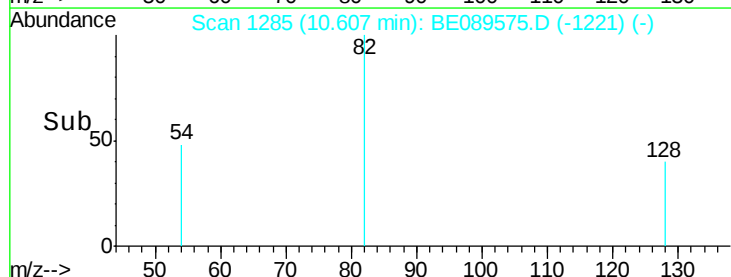
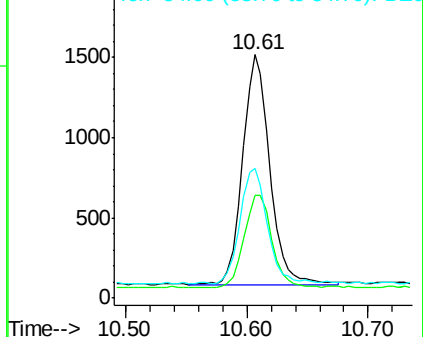
Lab File: BE089575.D

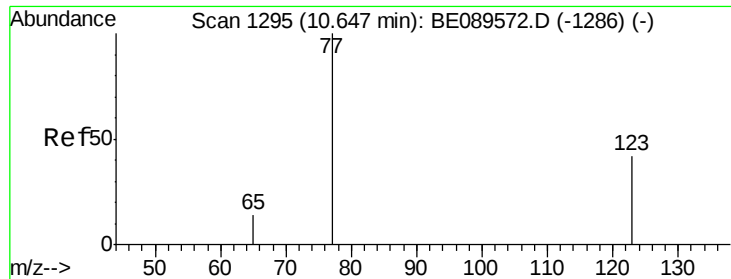
Acq: 16 Feb 2015 18:29

Tgt Ion:	82	Resp:	2205
Ion Ratio	Lower	Upper	
82	100		
128	42.4	33.8	50.6
54	53.2	39.0	58.6



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.15 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

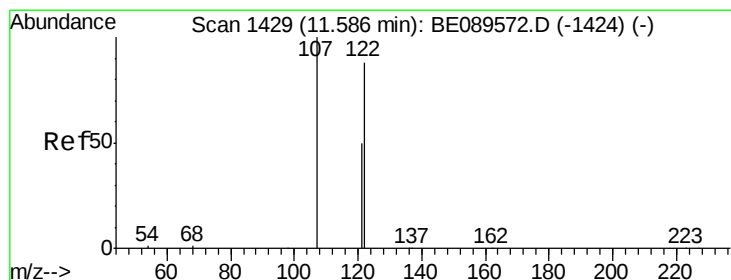
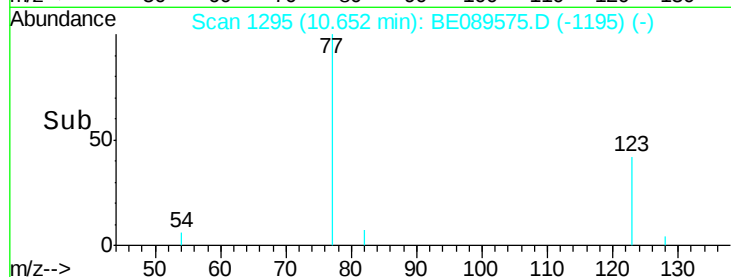
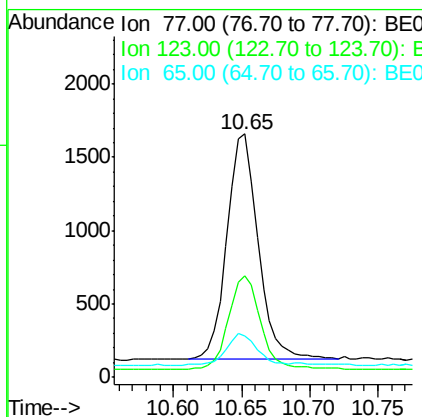
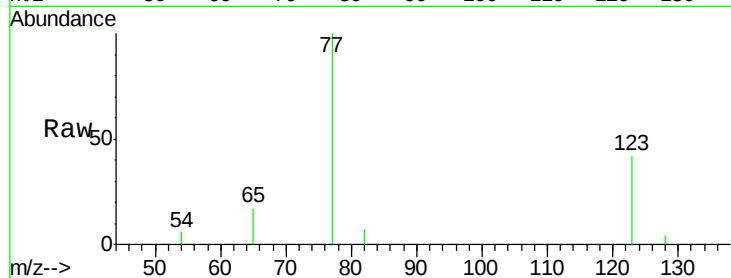
LabSampleId :

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Tot Ion:	77	Resp:	2418
Ion	Ratio	Lower	Upper
77	100		
123	42.4	34.4	51.6
65	14.7	11.4	17.2

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#10

2,4-Dimethylphenol

Concen: 0.18 ng

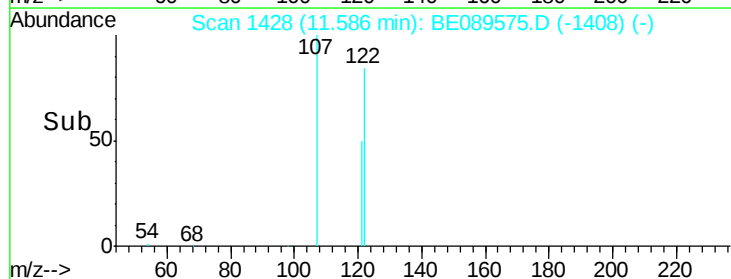
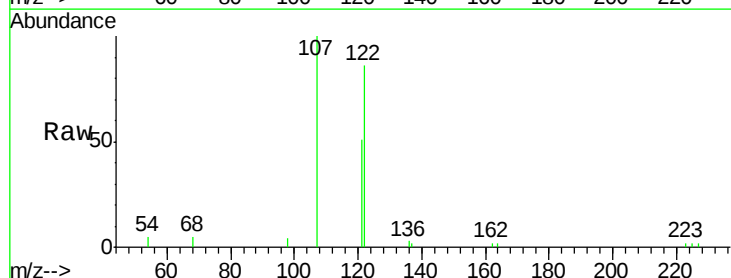
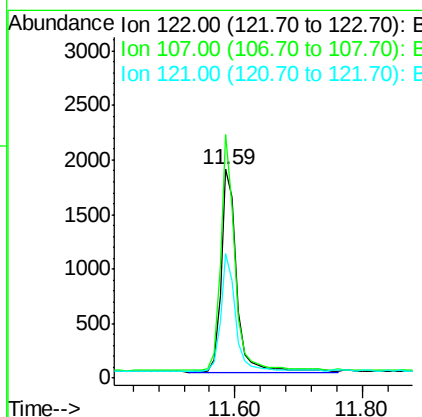
RT: 11.59 min Scan# 1428

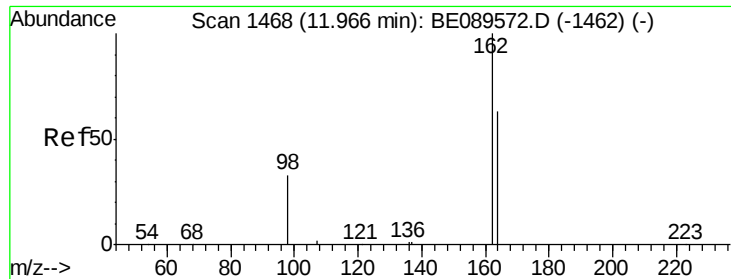
Delta R.T. 0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Tgt Ion:	122	Resp:	3183
Ion	Ratio	Lower	Upper
122	100		
107	116.5	90.9	136.3
121	59.7	45.4	68.2





#11

2,4-Dichlorophenol

Concen: 0.17 ng

RT: 11.97 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

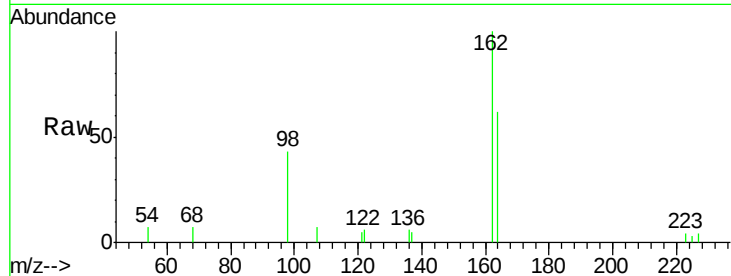
LabSampleId :

SSTDIC0.2

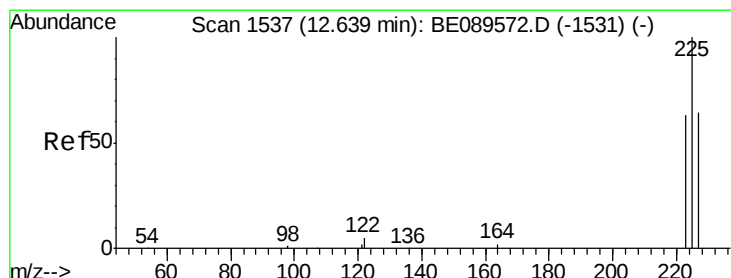
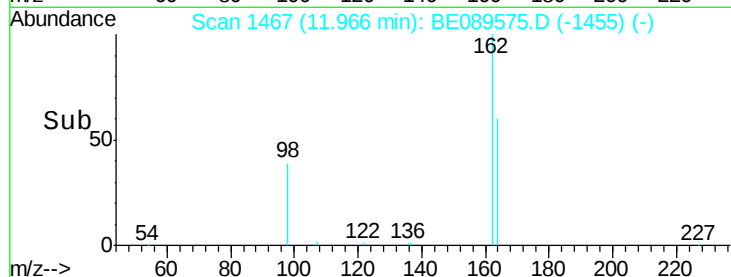
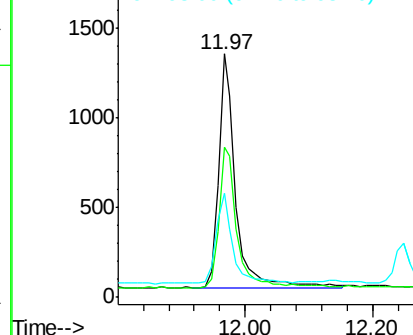
Tot Ion:	162	Resp:	2456
Ion Ratio	Lower	Upper	
162	100		
164	61.9	43.4	83.4
98	43.0	14.6	54.6

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E



#12

Hexachlorobutadiene

Concen: 0.20 ng

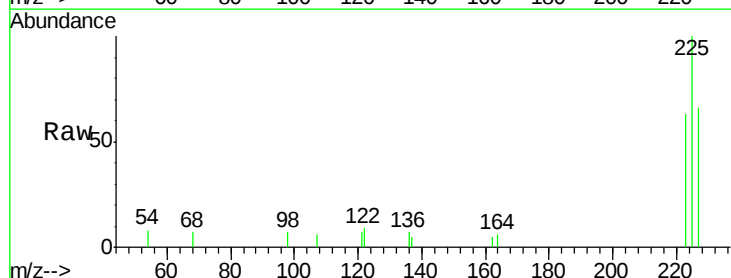
RT: 12.64 min Scan# 1536

Delta R.T. 0.00 min

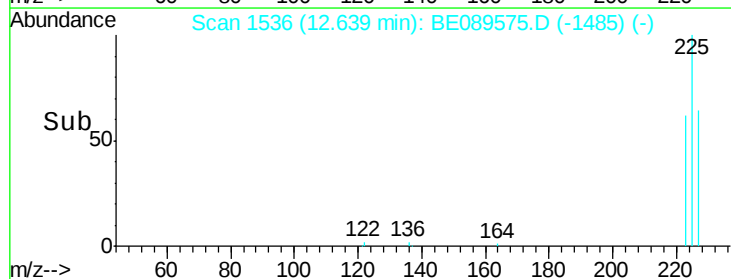
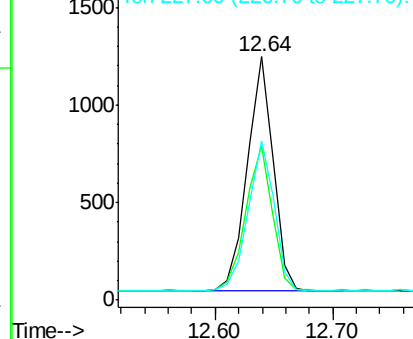
Lab File: BE089575.D

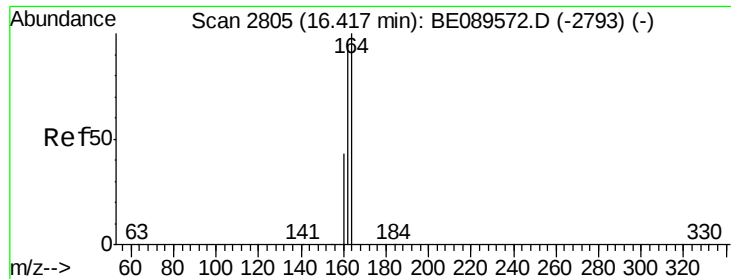
Acq: 16 Feb 2015 18:29

Tgt Ion:	225	Resp:	1834
Ion Ratio	Lower	Upper	
225	100		
223	63.2	50.4	75.6
227	64.8	51.0	76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2803

Delta R.T. -0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

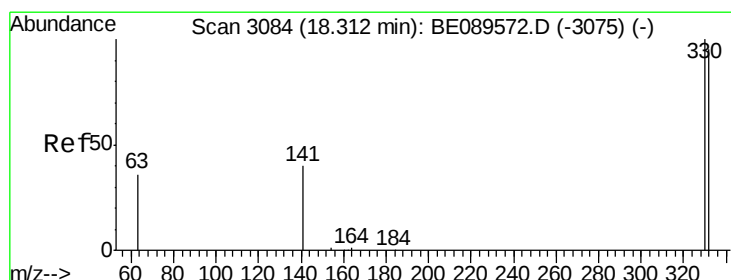
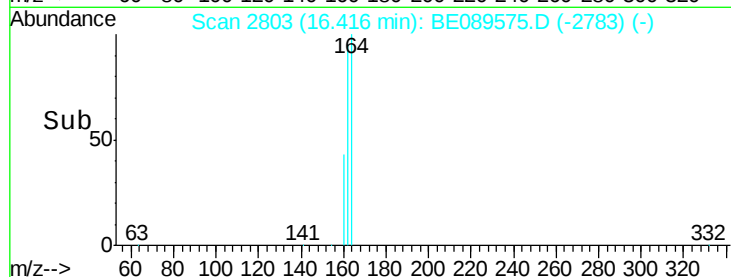
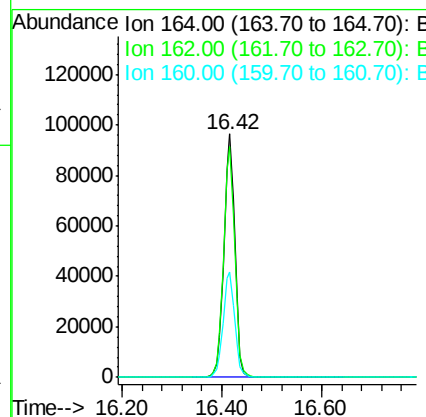
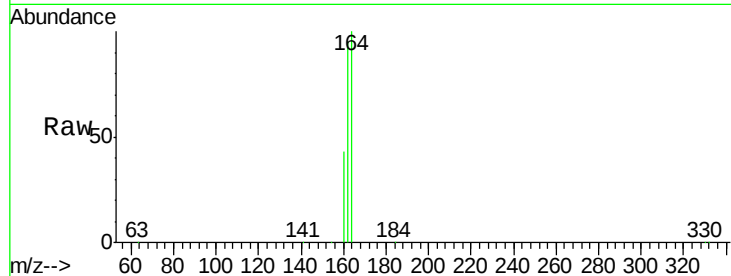
LabSampleId :

SSTDIC0.2

Tot Ion:	164	Resp:	145984
Ion Ratio	Lower	Upper	
164	100		
162	94.8	76.2	114.4
160	43.4	34.7	52.1

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#14

2,4,6-Tribromophenol

Concen: 0.16 ng

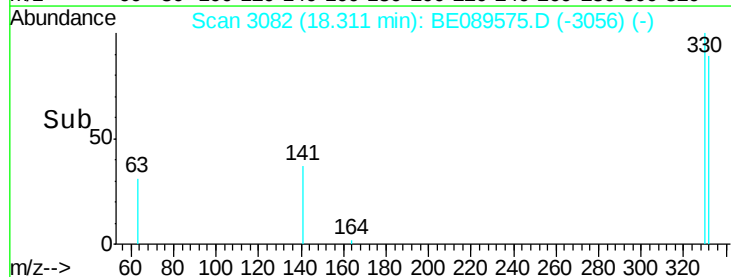
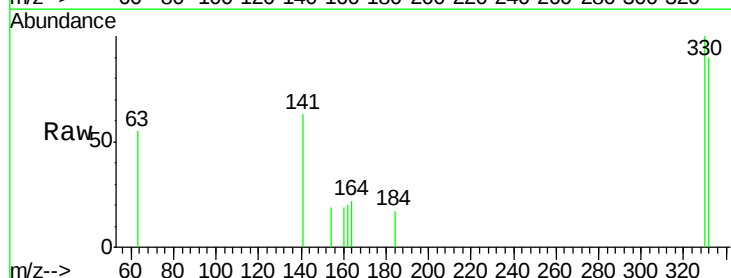
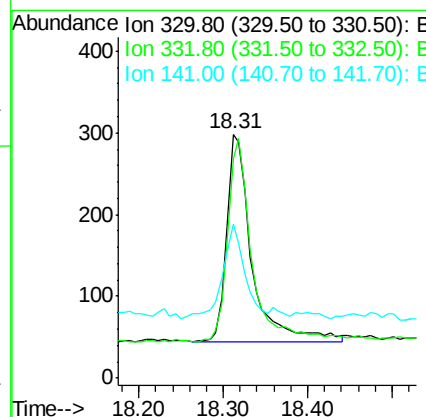
RT: 18.31 min Scan# 3082

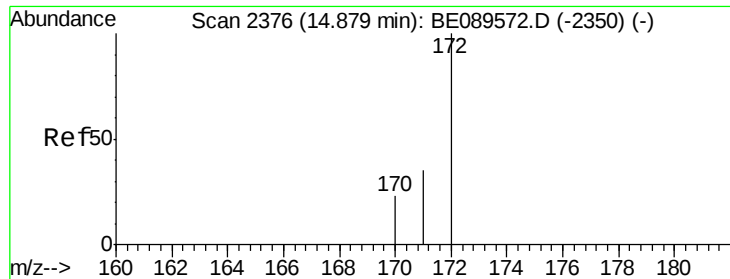
Delta R.T. -0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Tgt Ion:	330	Resp:	521
Ion Ratio	Lower	Upper	
330	100		
332	96.5	78.3	117.5
141	40.9	33.4	50.0





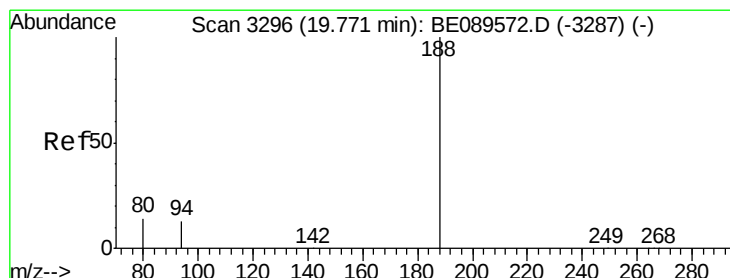
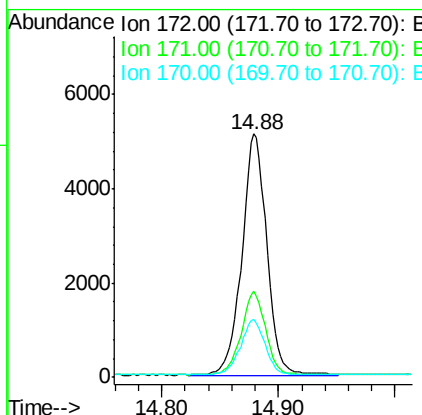
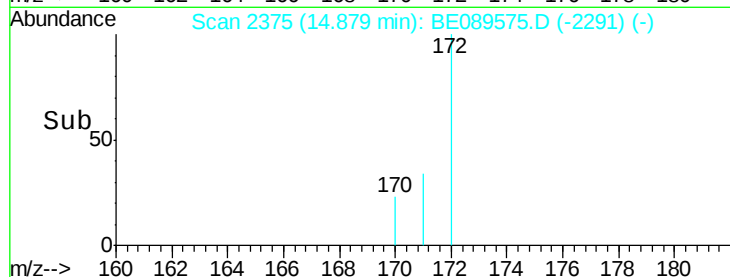
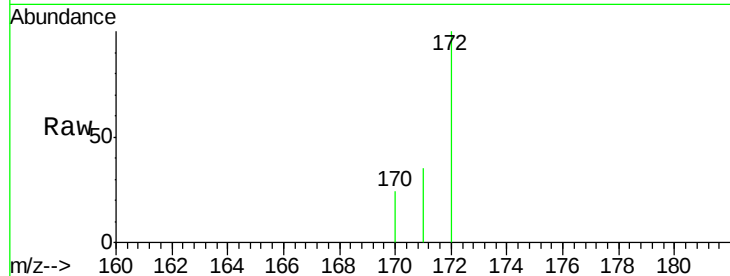
#15
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 14.88 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.8	18.5	27.7

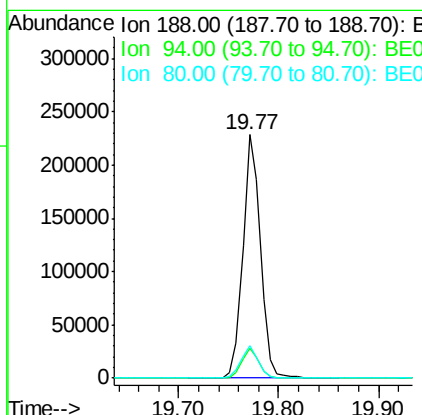
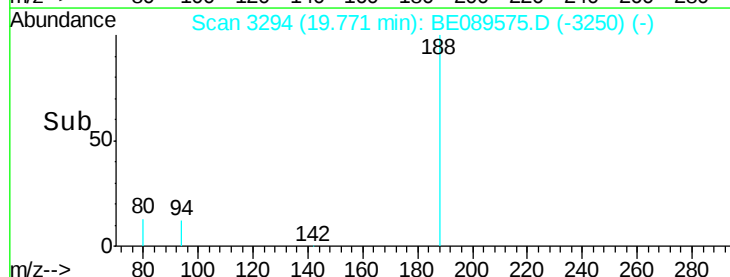
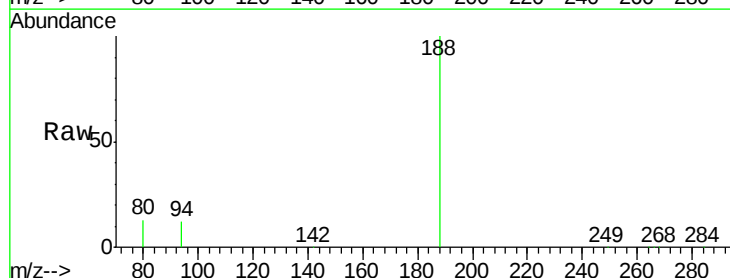
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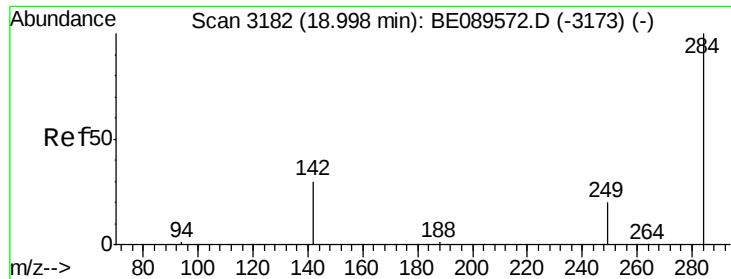
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#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3294
Delta R.T. 0.00 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.2	15.4
80	13.2	11.0	16.6





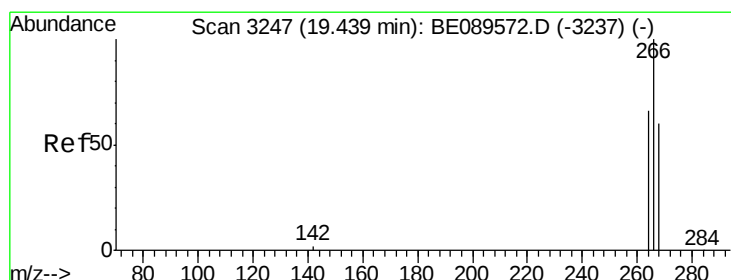
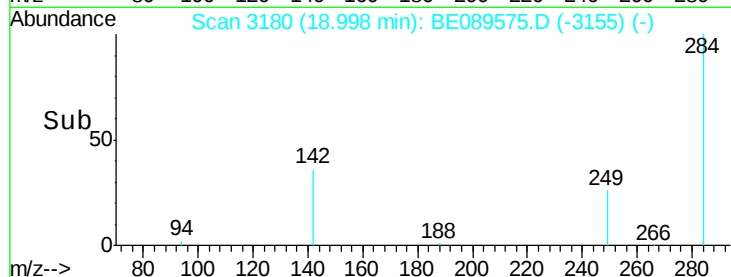
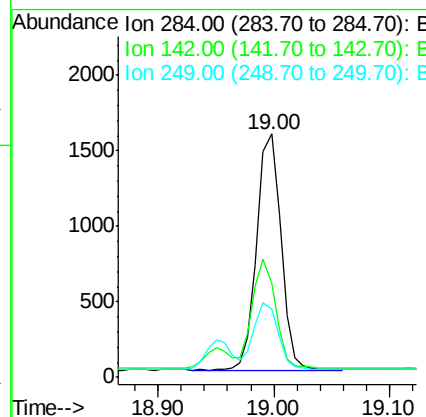
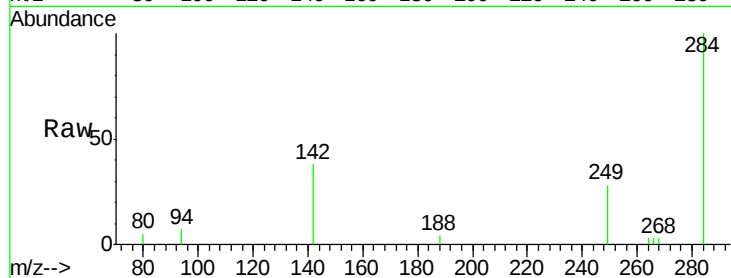
#18
Hexachlorobenzene
Concen: 0.19 ng
RT: 19.00 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
284	100		
142	38.5	27.6	41.4
249	28.2	20.0	30.0

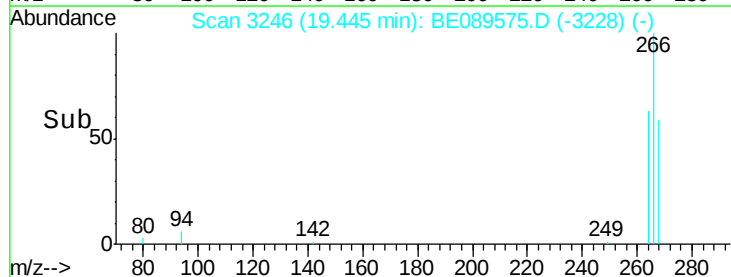
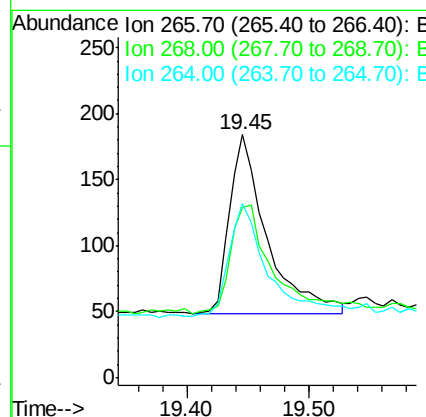
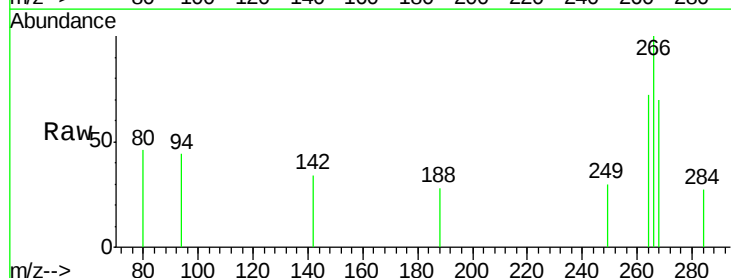
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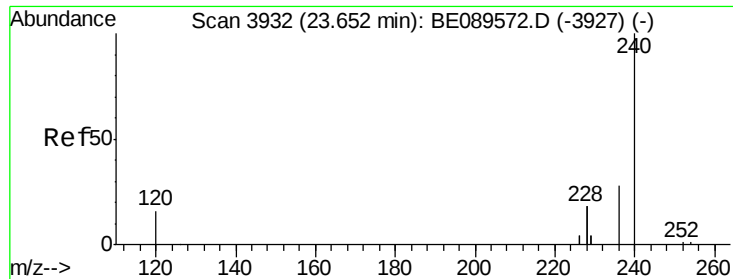
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#19
Pentachlorophenol
Concen: 0.14 ng
RT: 19.45 min Scan# 3246
Delta R.T. 0.01 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Tgt Ion	Ratio	Lower	Upper
266	100		
268	70.1	50.2	75.4
264	71.7	54.4	81.6





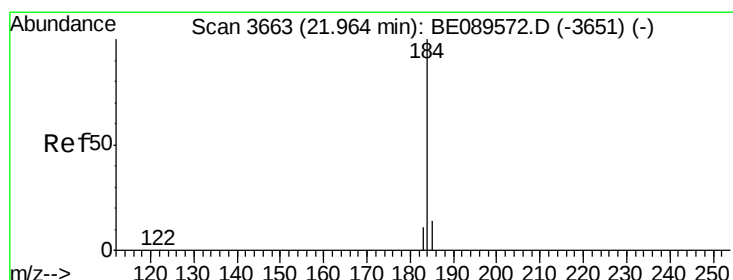
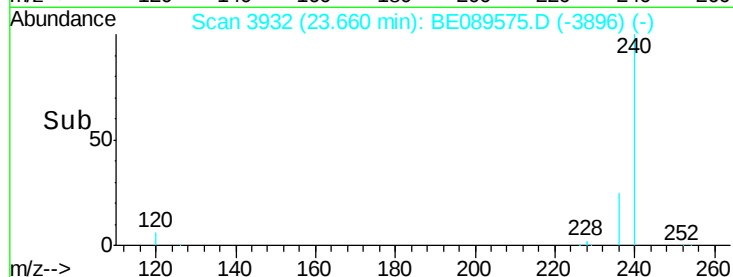
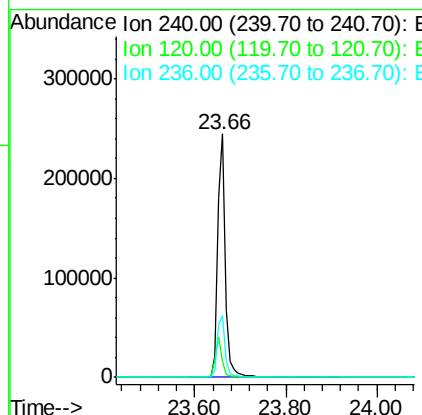
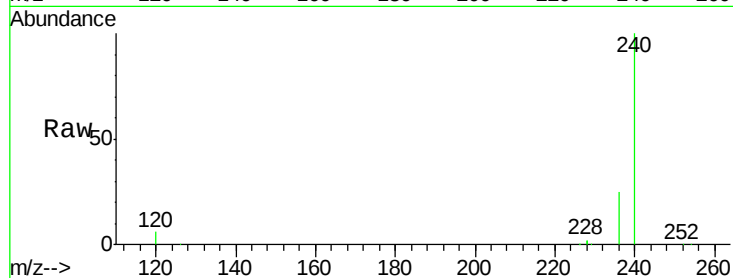
#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3932
Delta R.T. 0.01 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	288653		
120	6.4	12.7	19.1#	
236	25.3	22.7	34.1	

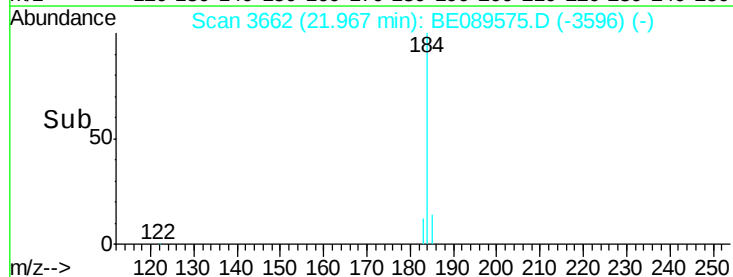
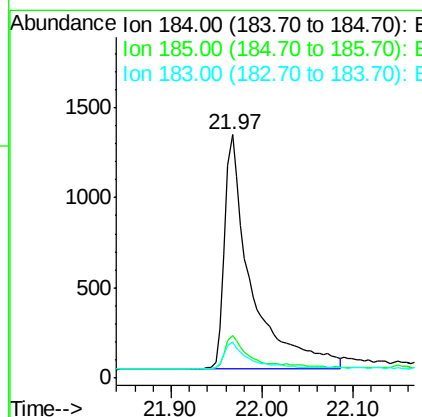
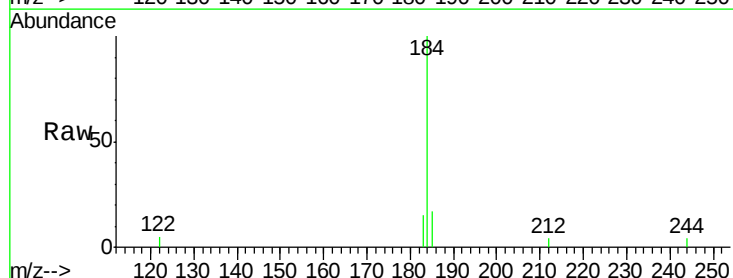
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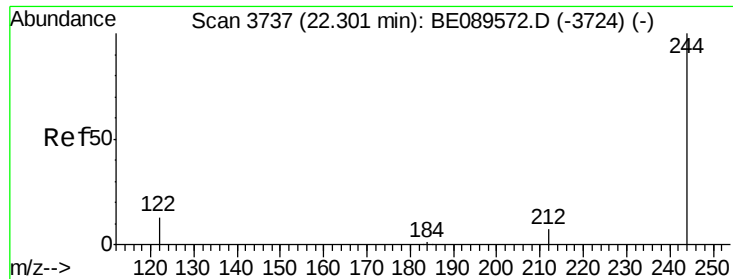
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#21
Benzidine
Concen: 0.10 ng
RT: 21.97 min Scan# 3662
Delta R.T. 0.00 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	2641		
185	17.4	11.7	17.5	
183	15.0	8.9	13.3#	





#22

Terphenyl-d14

Concen: 0.18 ng

RT: 22.30 min Scan# 3736

Delta R.T. 0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

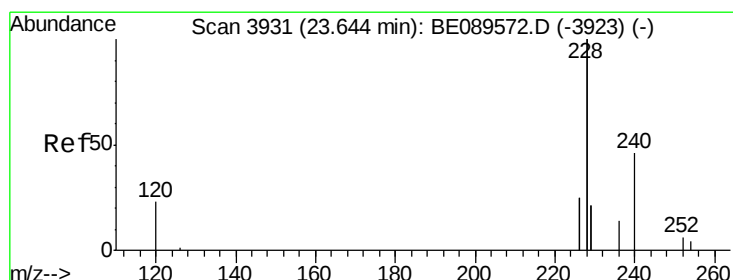
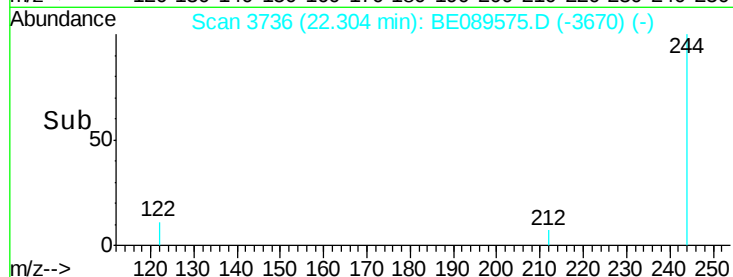
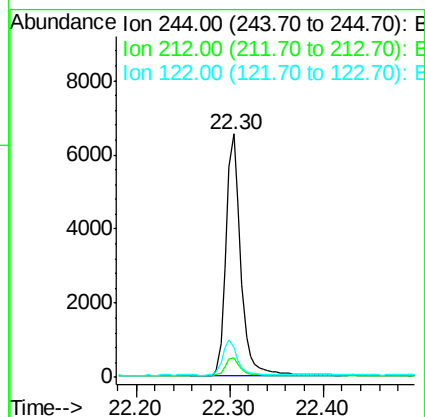
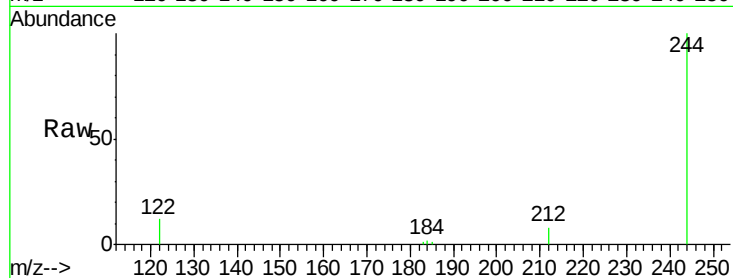
LabSampleId :

SSTDIC0.2

Tot Ion:	244	Resp:	7163
Ion Ratio	Lower	Upper	
244	100		
212	7.9	5.9	8.9
122	12.2	10.2	15.2

Manual Integrations
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#23

Benzo(a)anthracene

Concen: 0.17 ng

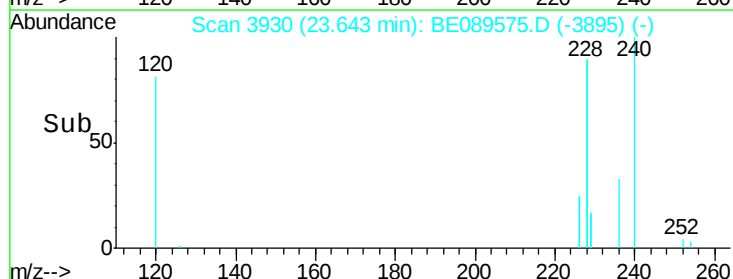
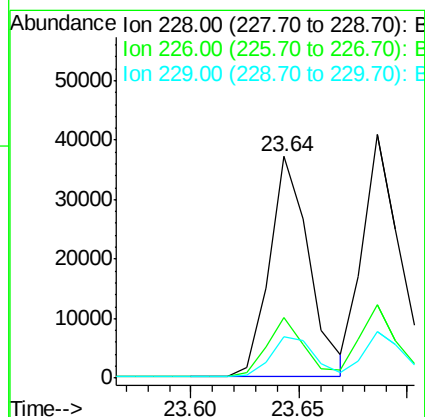
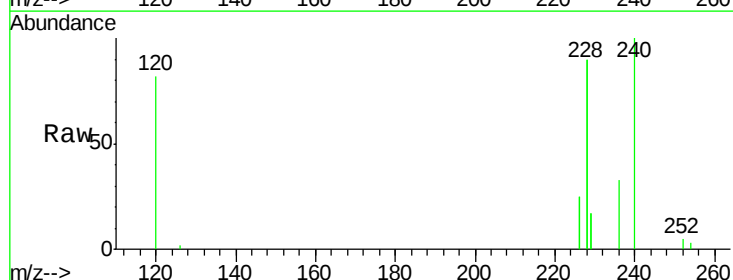
RT: 23.64 min Scan# 3930

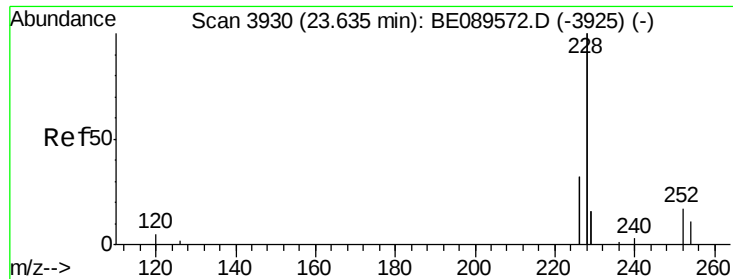
Delta R.T. -0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Tgt Ion:	228	Resp:	47481
Ion Ratio	Lower	Upper	
228	100		
226	27.6	19.9	29.9
229	18.9	16.6	24.8





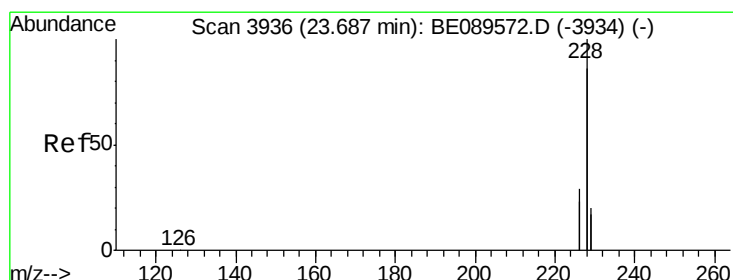
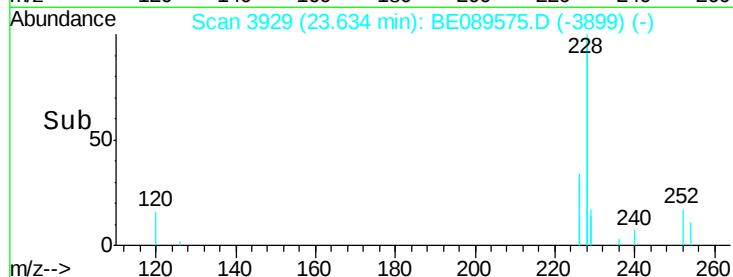
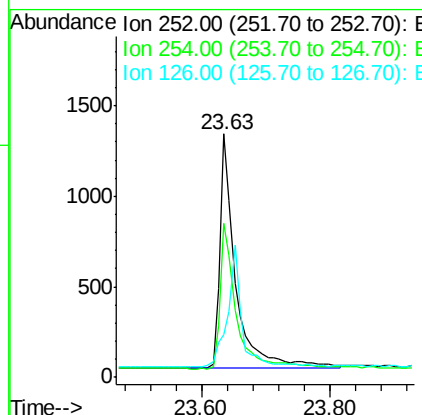
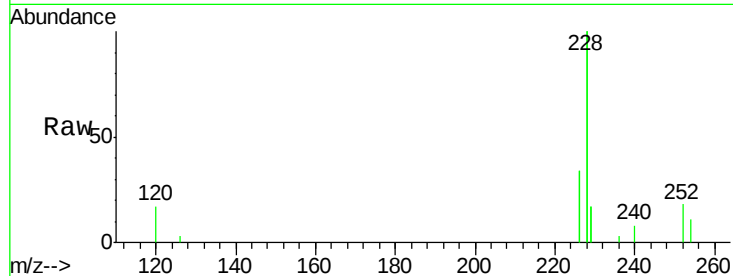
#24
 3,3'-Dichlorobenzidine
 Concen: 0.11 ng
 RT: 23.63 min Scan# 3929
 Delta R.T. -0.00 min
 Lab File: BE089575.D
 Acq: 16 Feb 2015 18:29

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.0	76.4
126	17.6	8.3	12.5

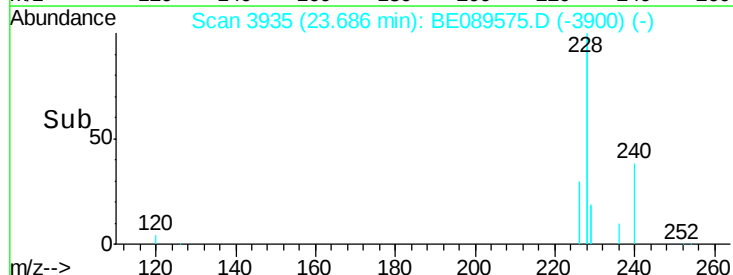
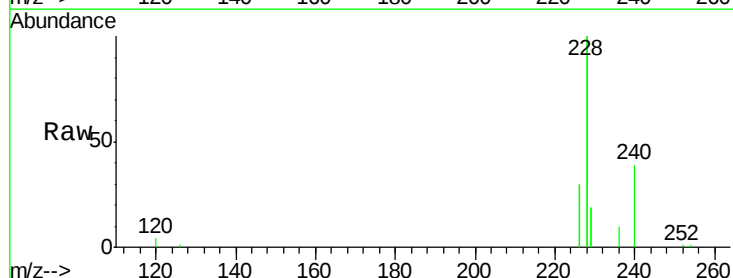
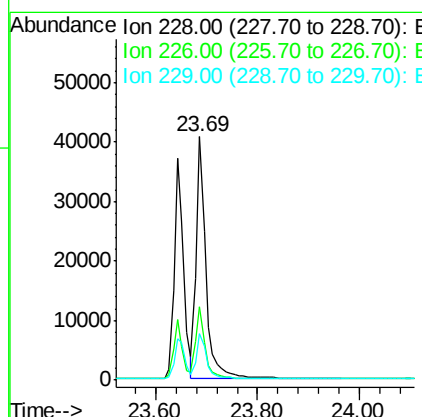
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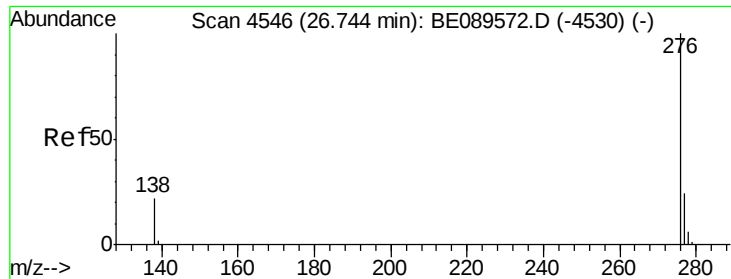
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#25
 Chrysene
 Concen: 0.20 ng
 RT: 23.69 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BE089575.D
 Acq: 16 Feb 2015 18:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.9	34.3
229	19.3	15.8	23.6





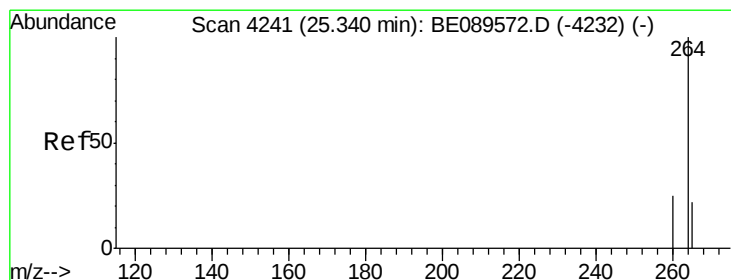
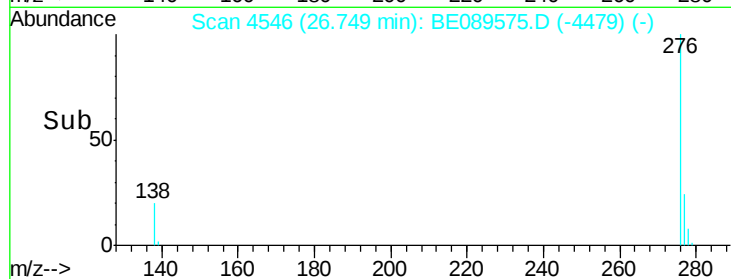
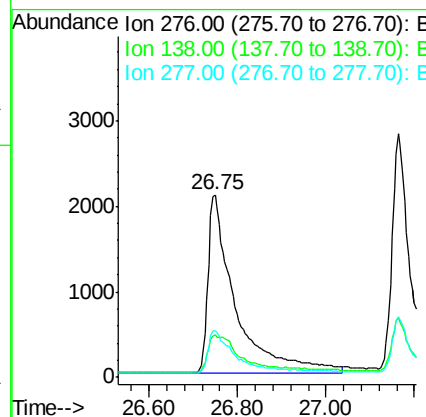
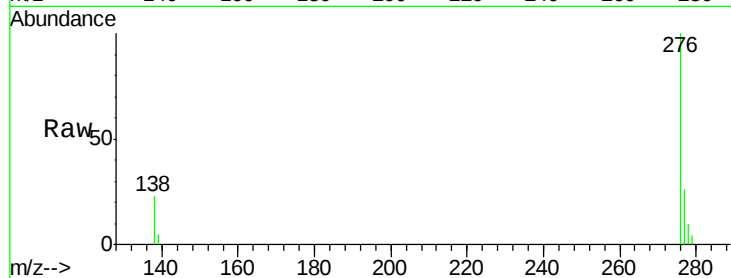
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.13 ng
RT: 26.75 min Scan# 4546
Delta R.T. 0.00 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	22.1	33.1
277	23.3	19.4	29.2

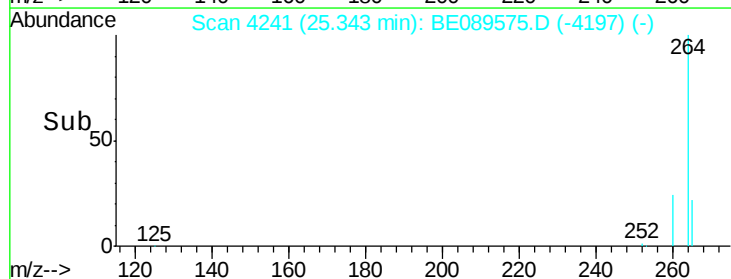
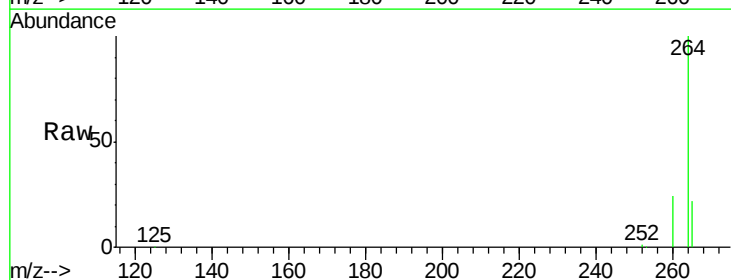
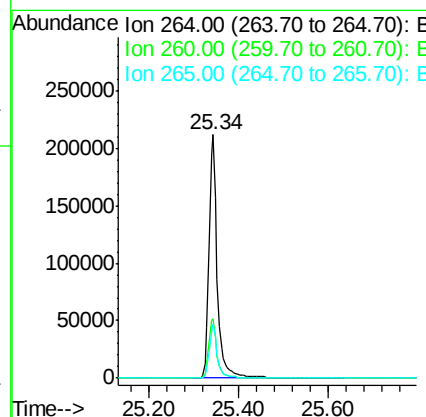
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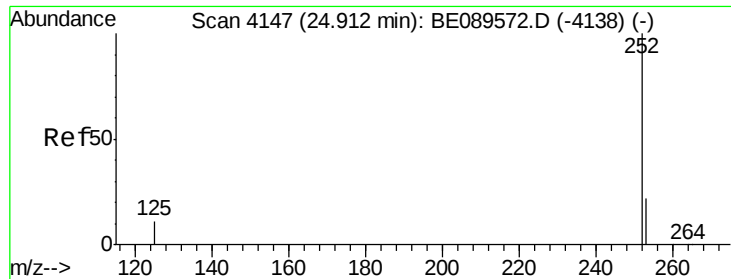
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#27
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4241
Delta R.T. 0.00 min
Lab File: BE089575.D
Acq: 16 Feb 2015 18:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	22.3	17.5	26.3





#28

Benzo(b)fluoranthene

Concen: 0.12 ng

RT: 24.92 min Scan# 4147

Delta R.T. 0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

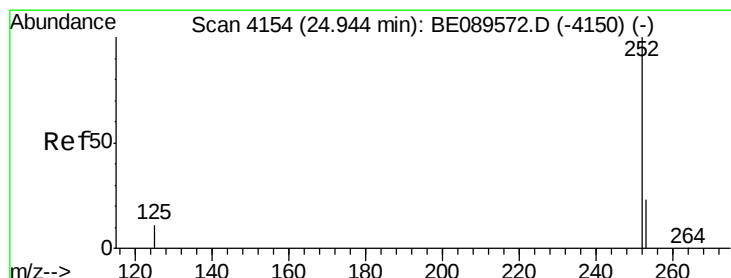
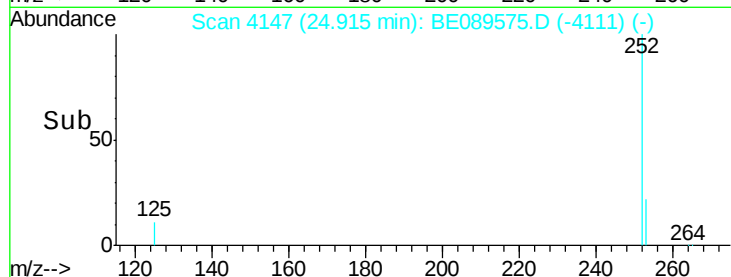
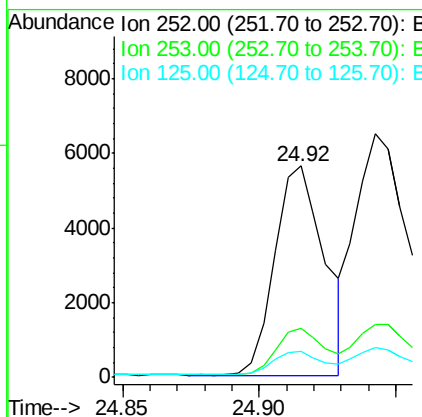
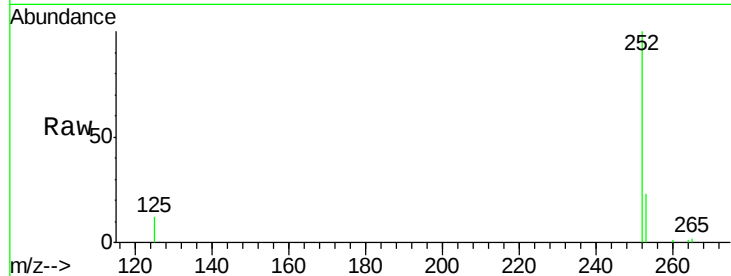
LabSampleId :

SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.4	9.0	13.4

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#29

Benzo(k)fluoranthene

Concen: 0.16 ng

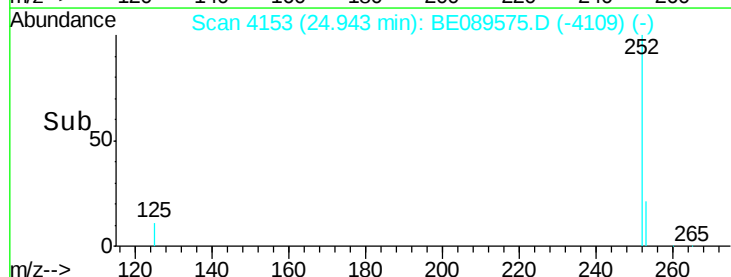
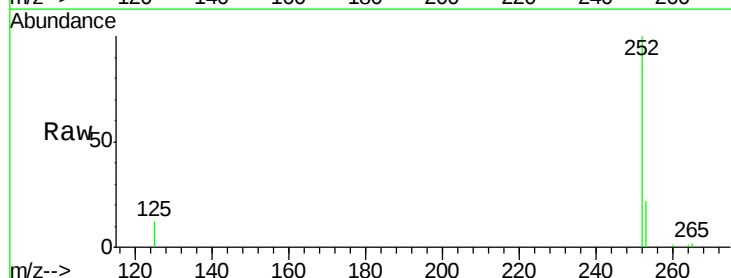
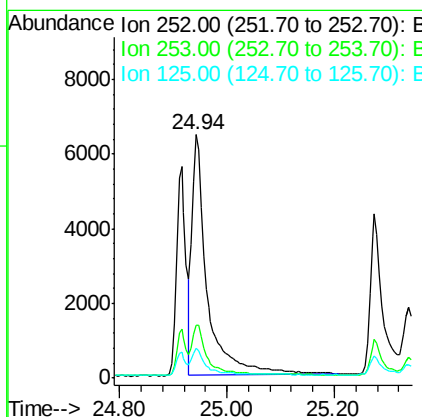
RT: 24.94 min Scan# 4153

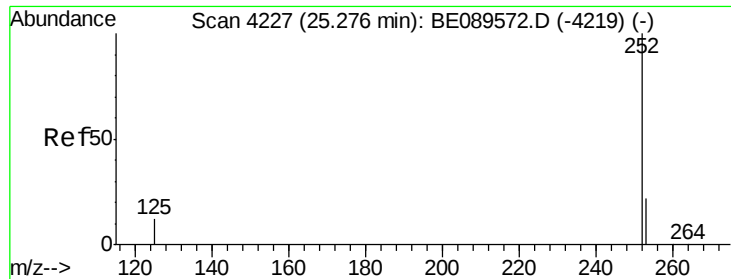
Delta R.T. -0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	12.2	8.9	13.3





#30

Benzo(a)pyrene

Concen: 0.12 ng

RT: 25.27 min Scan# 4226

Delta R.T. -0.00 min

Lab File: BE089575.D

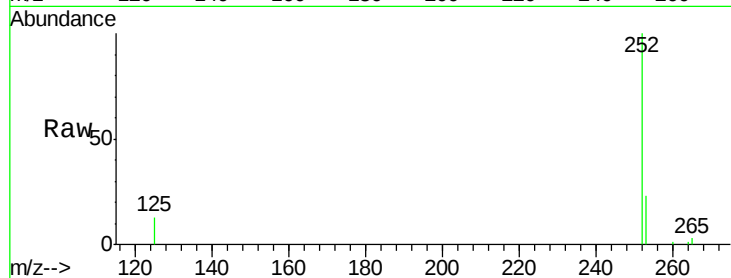
Acq: 16 Feb 2015 18:29

Instrument :

BNA_E

LabSampleId :

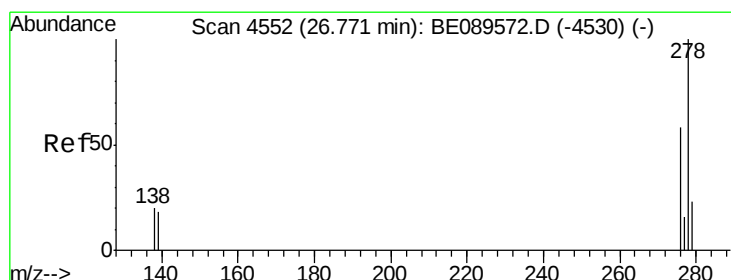
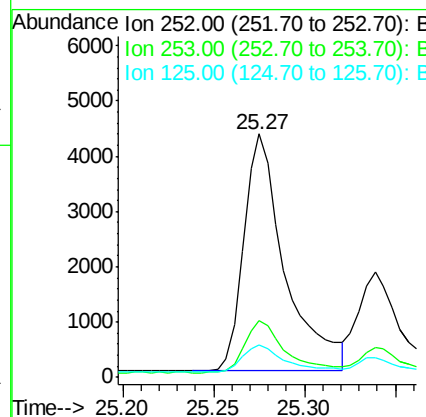
SSTDIC0.2



Tot Ion:	252	Resp:	6799
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	13.4	9.5	14.3

Manual Integrations
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#31

Dibenzo(a,h)anthracene

Concen: 0.11 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089575.D

Acq: 16 Feb 2015 18:29

Tgt Ion:	278	Resp:	6431
Ion Ratio	Lower	Upper	
278	100		
139	19.6	14.7	22.1
279	25.7	19.0	28.4

