

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089471.D
 Acq On : 3 Feb 2015 19:36
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Manual Integrations
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Quant Time: Feb 04 00:44:11 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:22:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	57169	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	225647	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	96710	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	186273	5.00	ng	0.00
20) Chrysene-d12	23.78	240	180368	5.00	ng	0.00
27) Perylene-d12	25.49	264	170057	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	3829	0.20	ng	0.00
4) Phenol-d6	8.83	99	4834	0.22	ng	0.00
8) Nitrobenzene-d5	10.79	82	3377	0.21	ng	0.00
14) 2,4,6-Tribromophenol	18.51	330	569	0.23	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	5245	0.19	ng	0.00
22) Terphenyl-d14	22.43	244	5031	0.24	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	42	1863	0.20	ng	# 76
5) Phenol	8.86	94	5171m	0.21	ng	
6) bis(2-Chloroethyl)ether	9.01	93	3946	0.22	ng	# 99
9) Nitrobenzene	10.83	77	3834	0.21	ng	99
10) 2,4-Dimethylphenol	11.77	122	2797	0.21	ng	97
11) 2,4-Dichlorophenol	12.15	162	2034	0.20	ng	94
12) Hexachlorobutadiene	12.81	225	1530	0.22	ng	96
18) Hexachlorobenzene	19.16	284	1943	0.20	ng	# 71
19) Pentachlorophenol	19.60	266	97	0.08	ng	# 64
21) Benzidine	22.09	184	927	0.07	ng	# 83
23) Benzo(a)anthracene	23.77	228	31508	0.22	ng	98
24) 3,3'-Dichlorobenzidine	23.76	252	2092	0.16	ng	# 95
25) Chrysene	23.82	228	35190	0.20	ng	97
26) Indeno(1,2,3-cd)pyrene	26.96	276	5374	0.11	ng	# 86
28) Benzo(b)fluoranthene	25.04	252	3773m	0.16	ng	
29) Benzo(k)fluoranthene	25.07	252	8639m	0.20	ng	
30) Benzo(a)pyrene	25.42	252	4123	0.16	ng	# 90
31) Dibenzo(a,h)anthracene	26.99	278	4464m	0.14	ng	

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

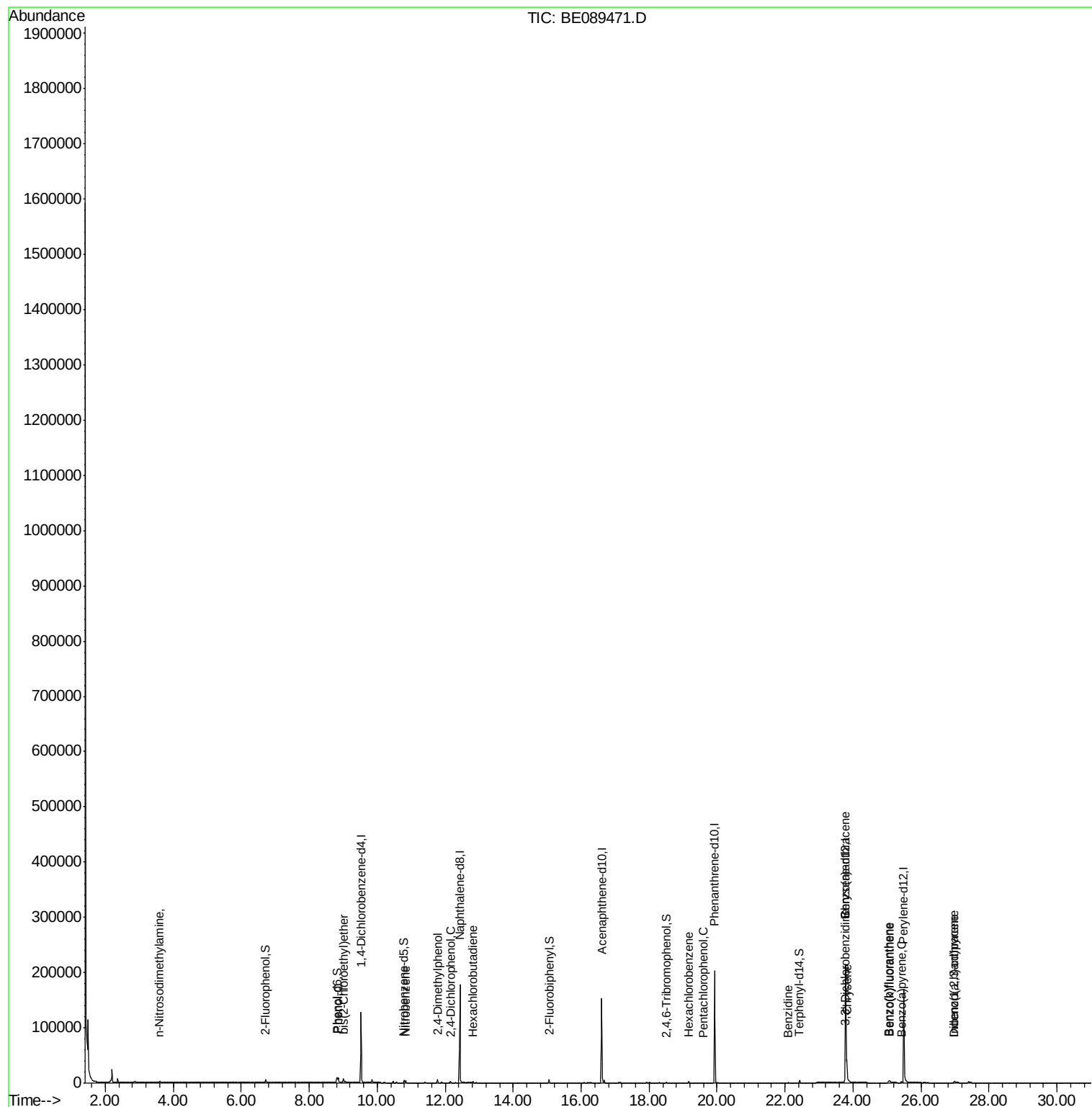
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089471.D
Acq On : 3 Feb 2015 19:36
Operator : TP/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

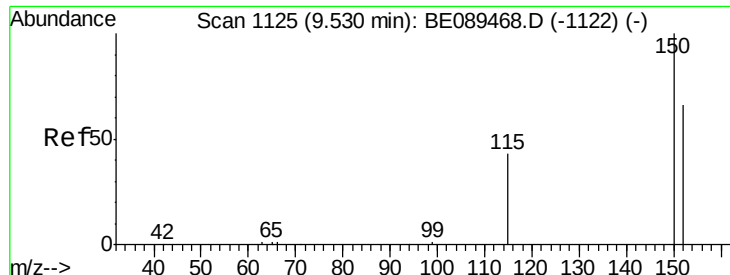
Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

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Quant Time: Feb 04 00:44:11 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE089471.D

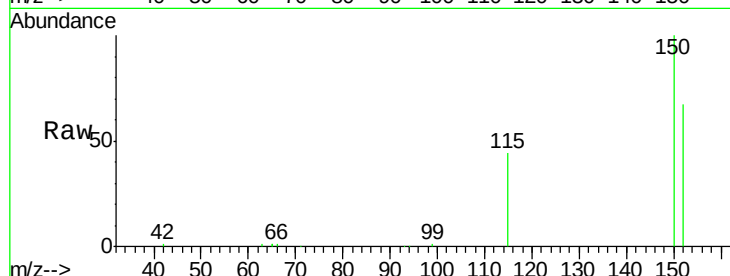
Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2



Tgt Ion: 152 Resp: 57169

Ion Ratio Lower Upper

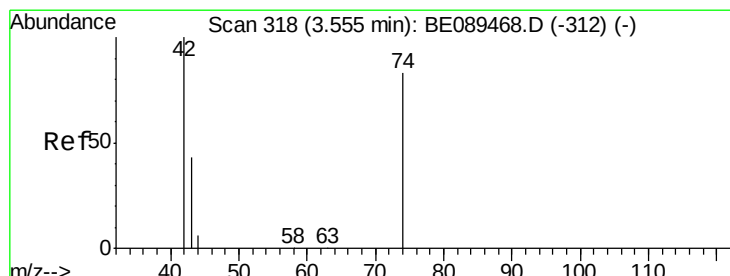
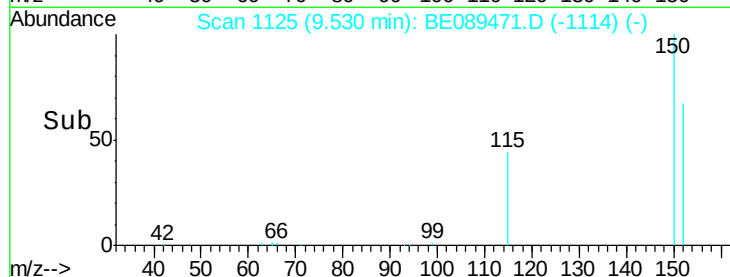
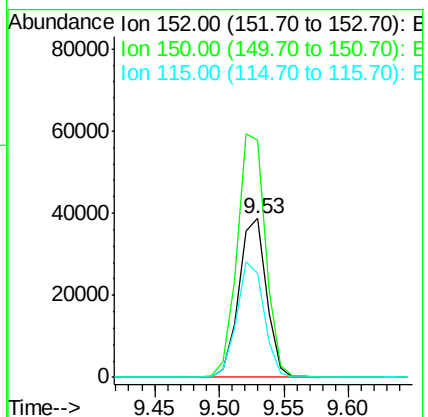
152 100

150 149.1 122.1 183.1

115 65.2 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.60 min Scan# 324

Delta R.T. 0.04 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

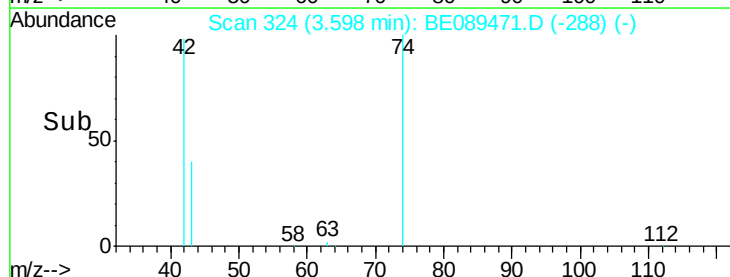
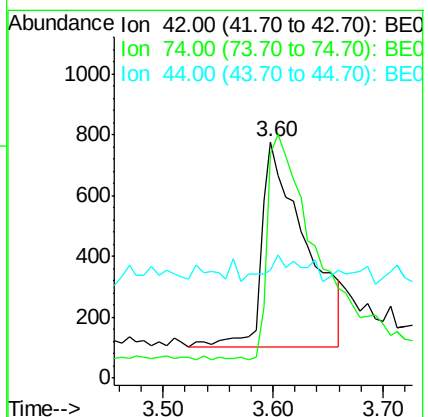
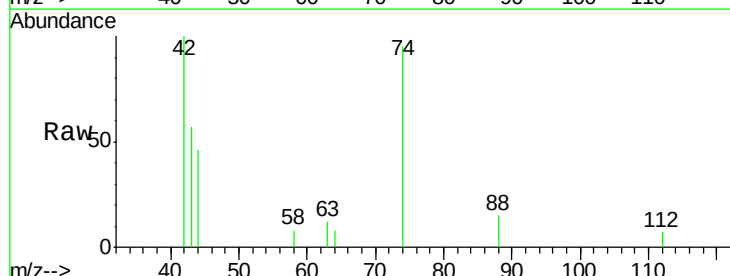
Tgt Ion: 42 Resp: 1863

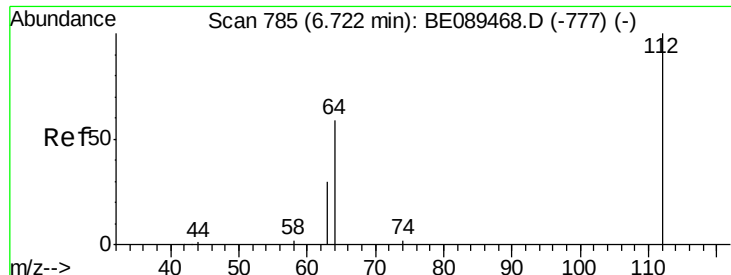
Ion Ratio Lower Upper

42 100

74 94.6 65.4 98.2

44 45.9 11.7 17.5#





#3

2-Fluorophenol

Concen: 0.20 ng

RT: 6.72 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

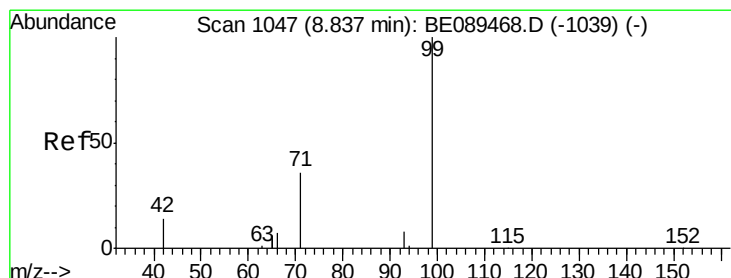
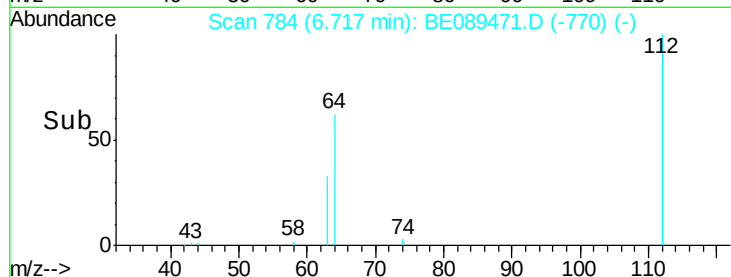
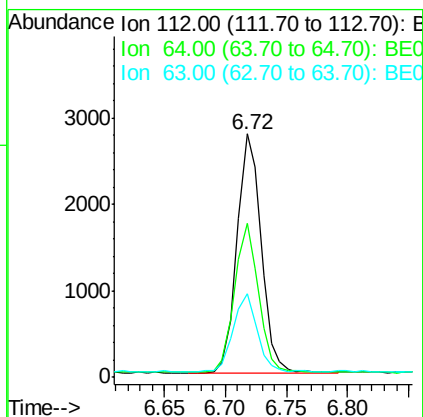
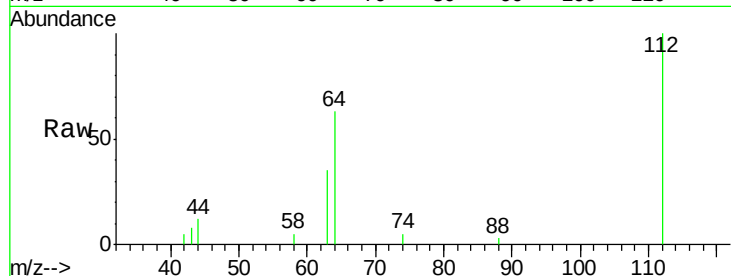
LabSampleId :

SSTDICC0.2

Tgt Ion:	112	Resp:	3829
Ion Ratio	Lower	Upper	
112	100		
64	63.1	47.0	70.6
63	34.5	24.2	36.2

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#4

Phenol-d6

Concen: 0.22 ng

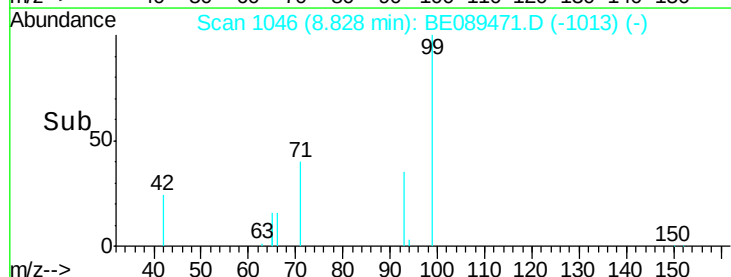
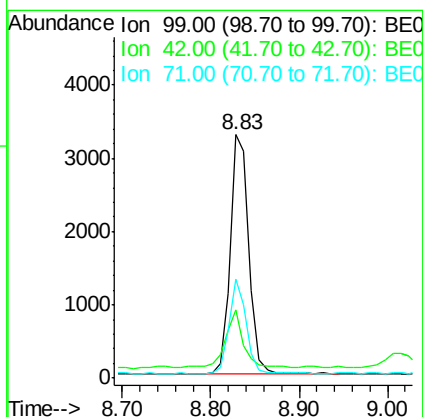
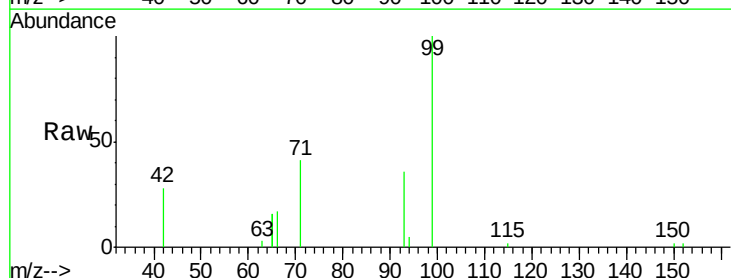
RT: 8.83 min Scan# 1046

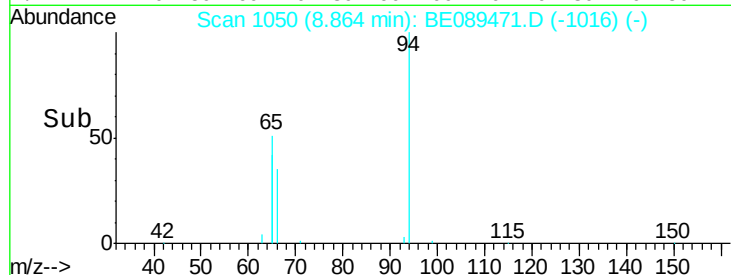
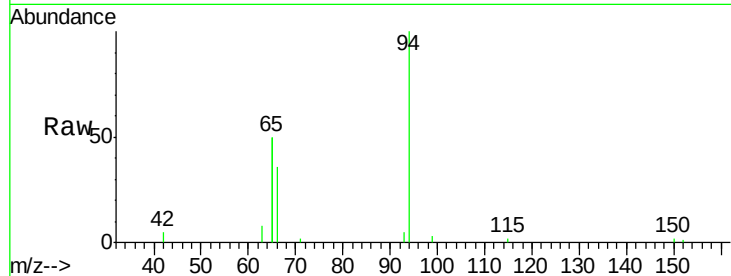
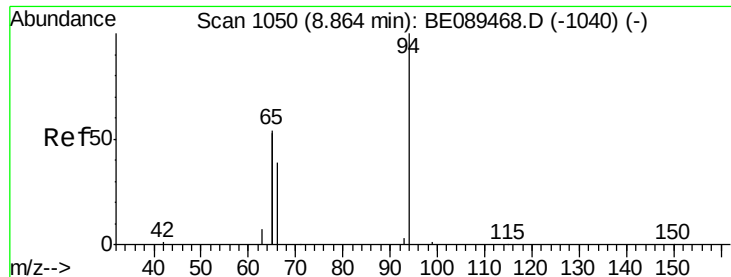
Delta R.T. -0.01 min

Lab File: BE089471.D

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Tgt Ion:	99	Resp:	4834
Ion Ratio	Lower	Upper	
99	100		
42	27.8	11.8	17.6#
71	40.9	28.7	43.1





#5

Phenol

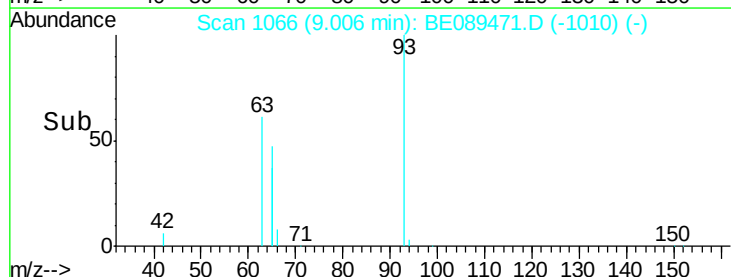
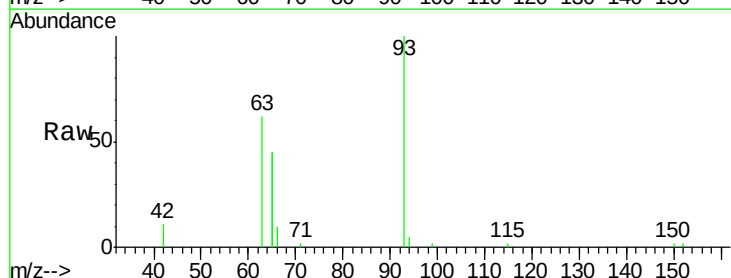
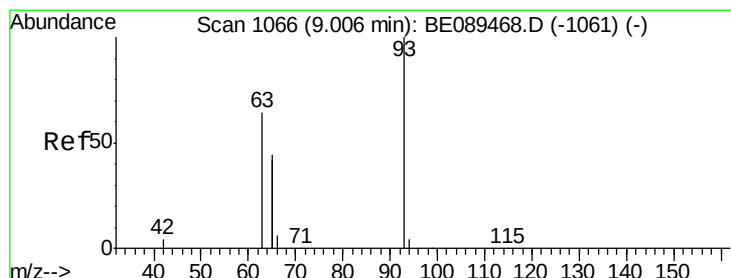
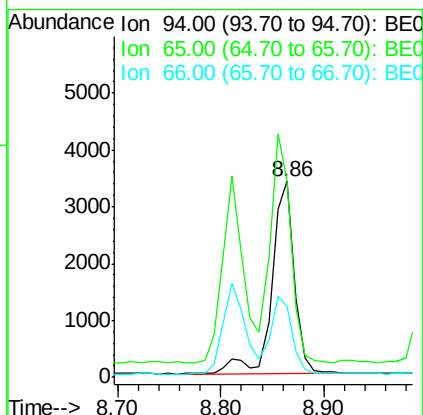
Concen: 0.21 ng m
RT: 8.86 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

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LabSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
94	100		
65	50.1	33.9	73.9
66	36.2	19.1	59.1

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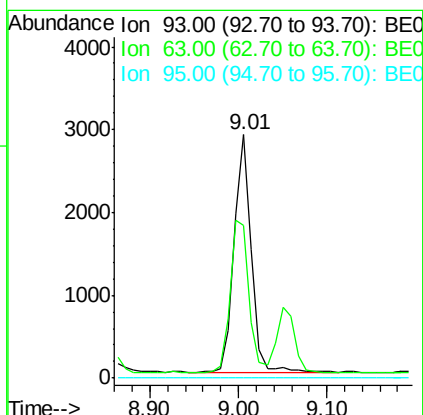


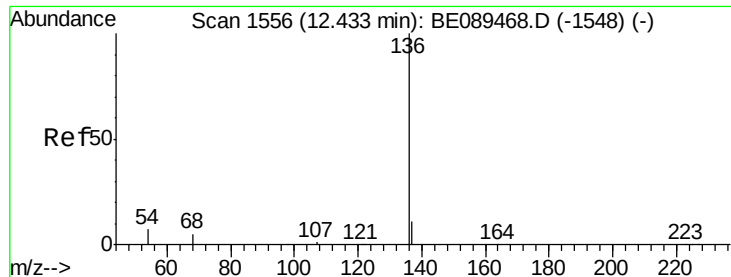
#6

bis(2-Chloroethyl)ether

Concen: 0.22 ng
RT: 9.01 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.3	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

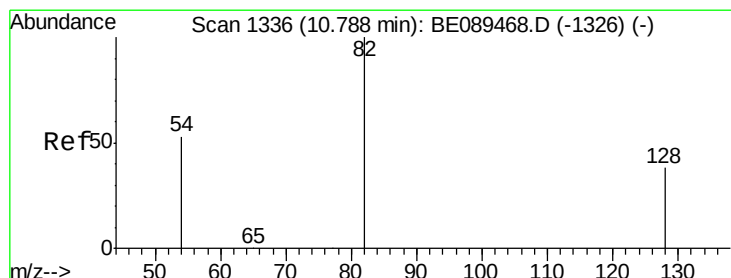
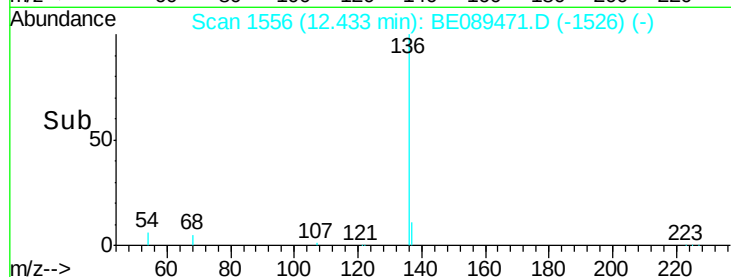
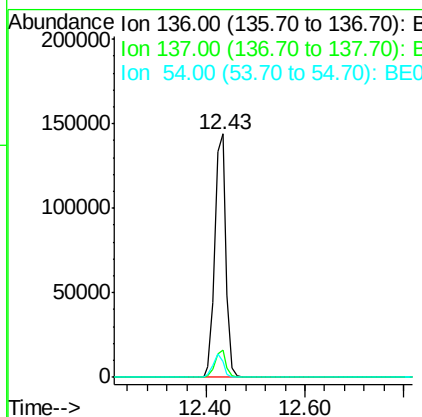
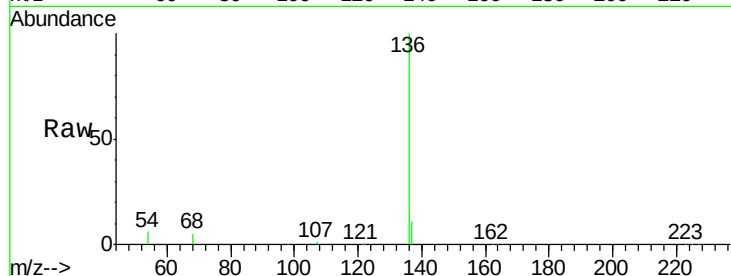
LabSampleId :

SSTDICC0.2

Tgt Ion:	136	Resp:	225647
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	6.4	5.4	8.0

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#8

Nitrobenzene-d5

Concen: 0.21 ng

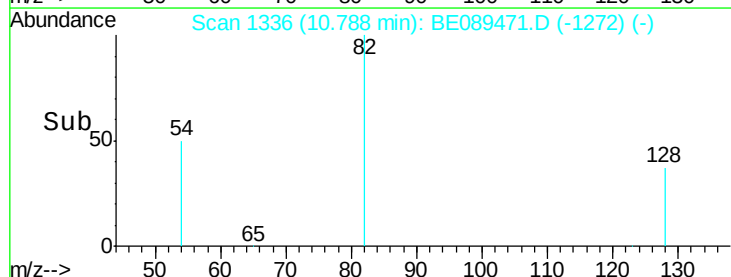
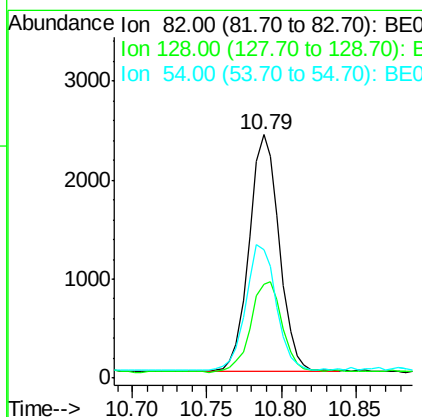
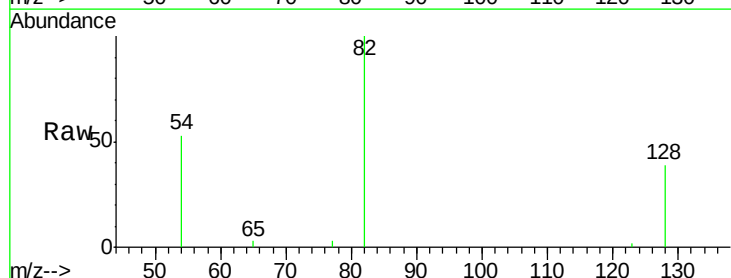
RT: 10.79 min Scan# 1336

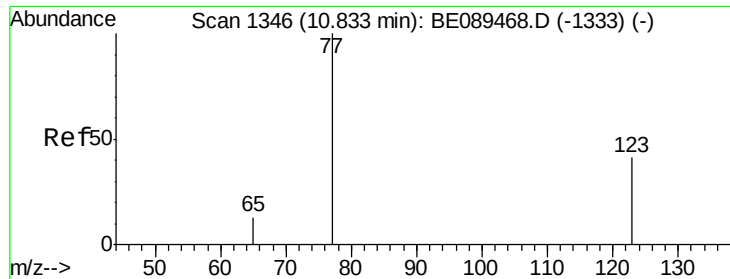
Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

Tgt Ion:	82	Resp:	3377
Ion Ratio	Lower	Upper	
82	100		
128	38.8	30.3	45.5
54	53.0	43.1	64.7





#9

Nitrobenzene

Concen: 0.21 ng

RT: 10.83 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BE089471.D

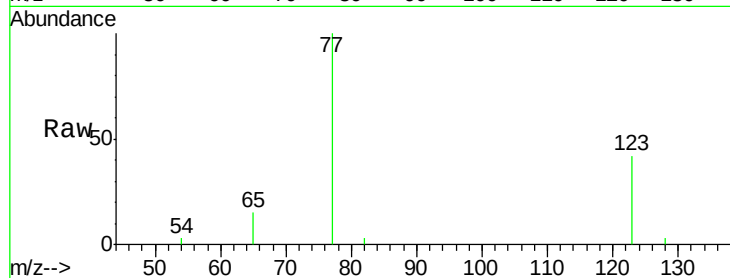
Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

LabSampleId :

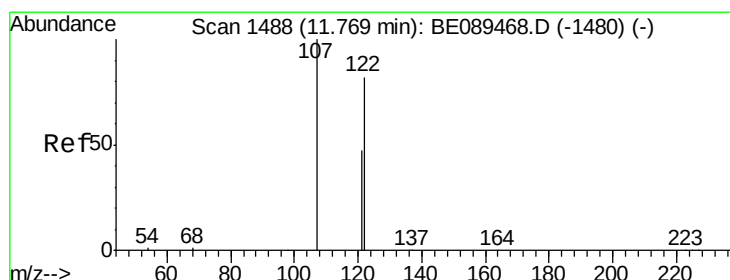
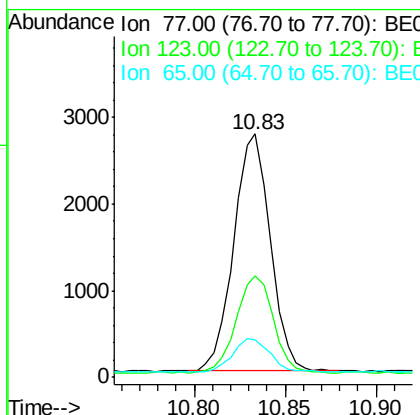
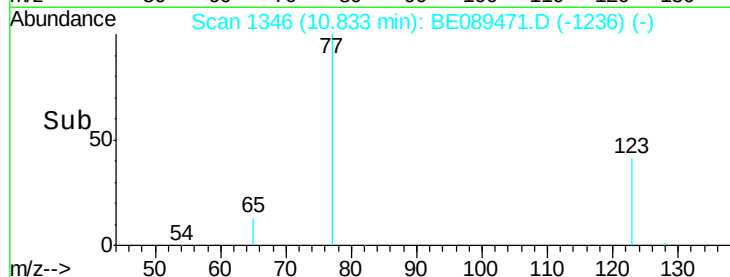
SSTDIC0.2



Tgt Ion:	77	Resp:	3834
Ion	Ratio	Lower	Upper
77	100		
123	41.3	33.4	50.0
65	14.9	10.9	16.3

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#10

2,4-Dimethylphenol

Concen: 0.21 ng

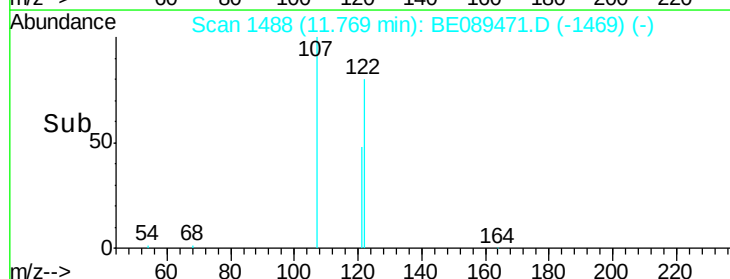
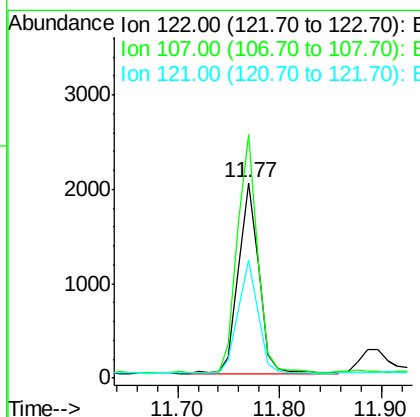
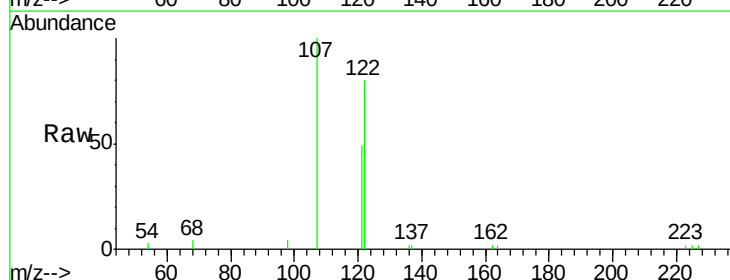
RT: 11.77 min Scan# 1488

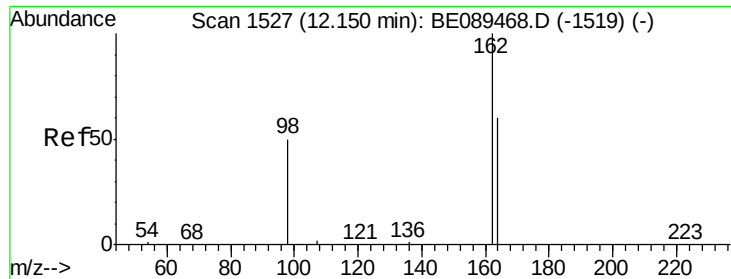
Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

Tgt Ion:	122	Resp:	2797
Ion	Ratio	Lower	Upper
122	100		
107	124.9	97.3	145.9
121	60.9	46.4	69.6





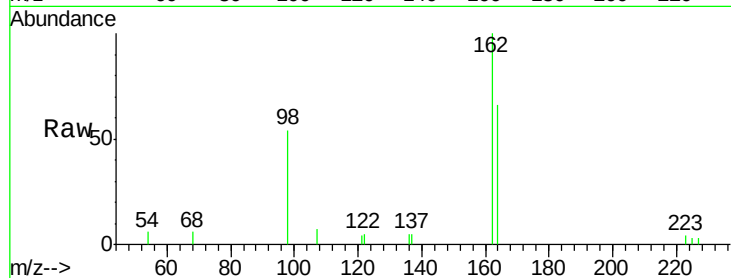
#11
2,4-Dichlorophenol
Concen: 0.20 ng
RT: 12.15 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

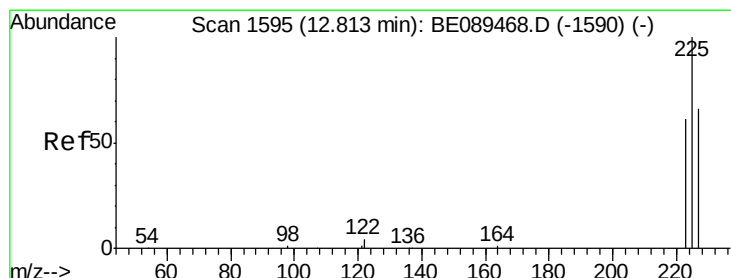
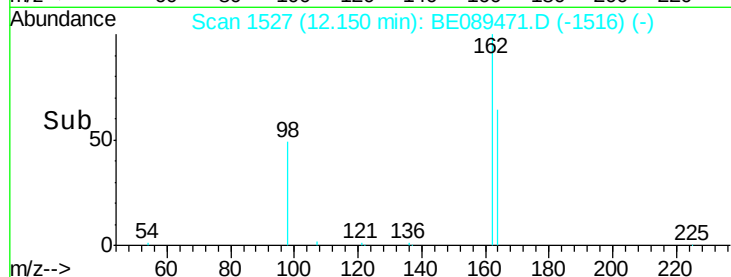
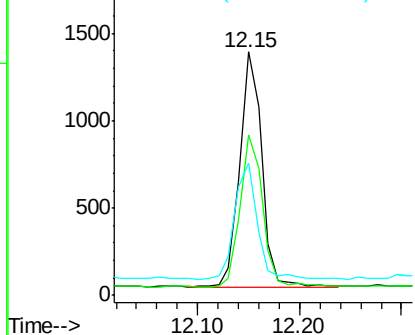
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.7	39.9	79.9
98	54.2	31.3	71.3

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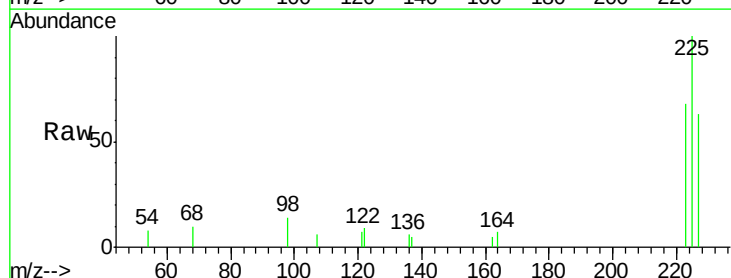


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

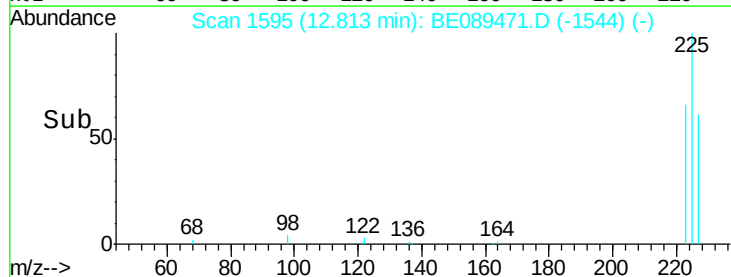
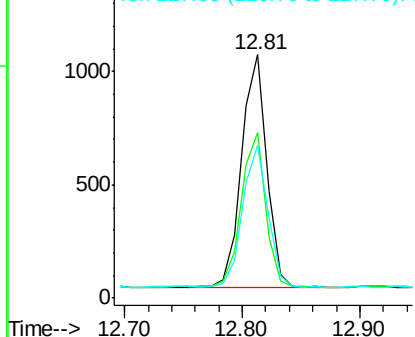


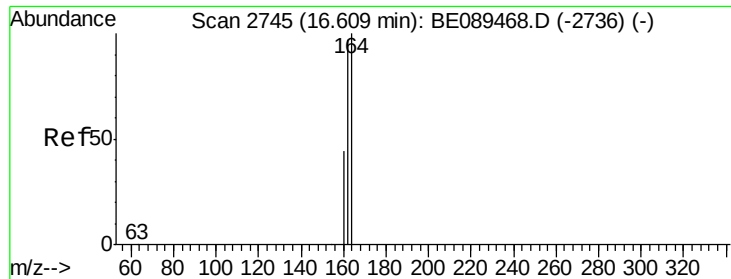
#12
Hexachlorobutadiene
Concen: 0.22 ng
RT: 12.81 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.4	74.0
227	60.1	51.2	76.8



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: 16.61 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BE089471.D

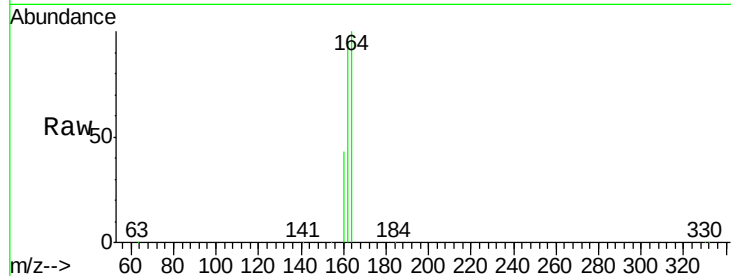
Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

LabSampleId :

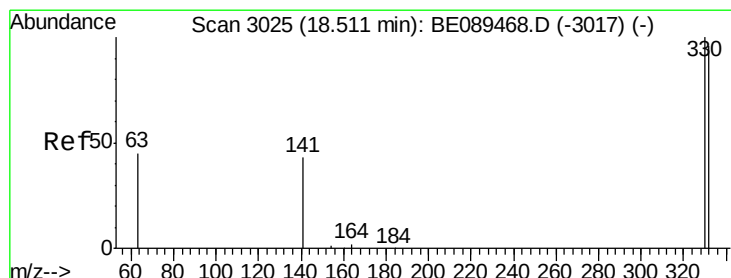
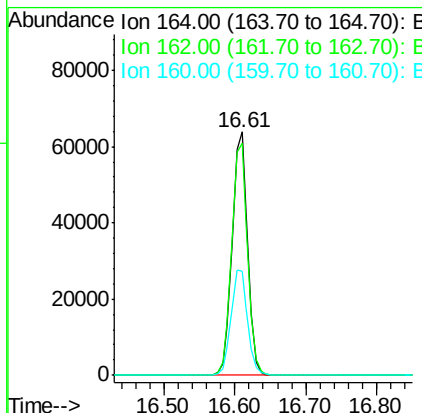
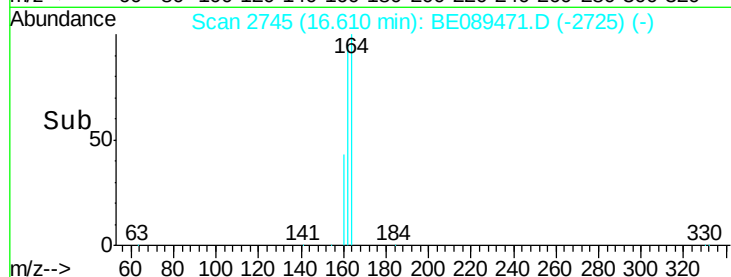
SSTDICC0.2



Tgt Ion:	164	Resp:	96710
Ion Ratio	Lower	Upper	
164	100		
162	95.4	77.6	116.4
160	43.0	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 0.23 ng

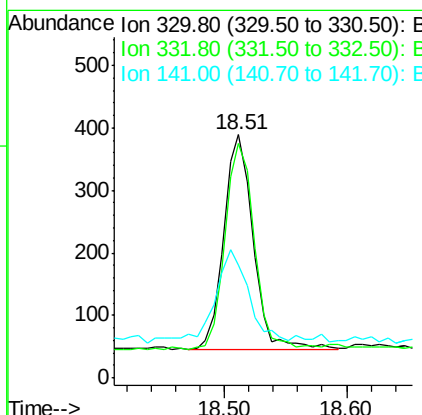
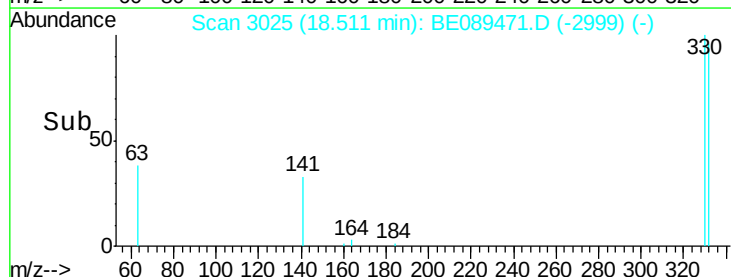
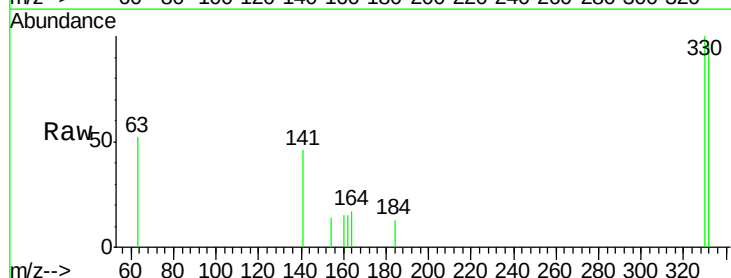
RT: 18.51 min Scan# 3025

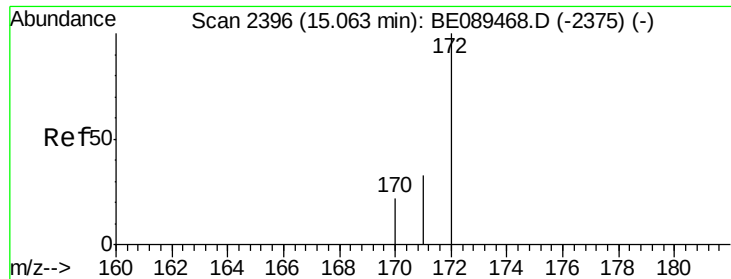
Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

Tgt Ion:	330	Resp:	569
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.0	117.0
141	51.5	33.8	50.6#





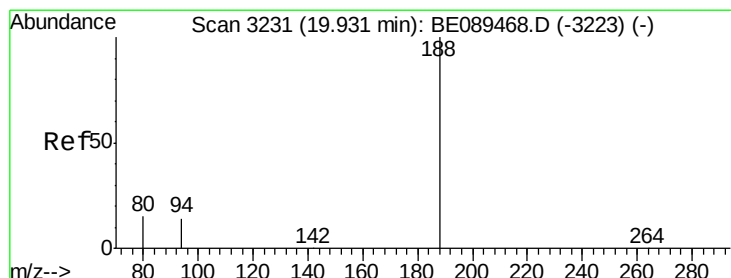
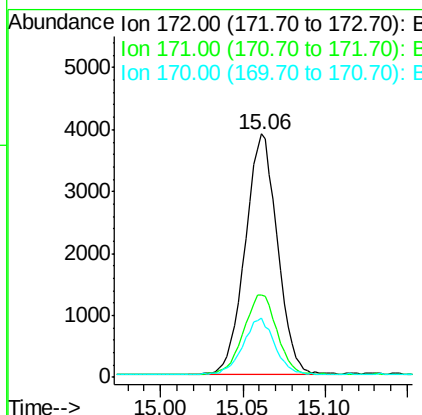
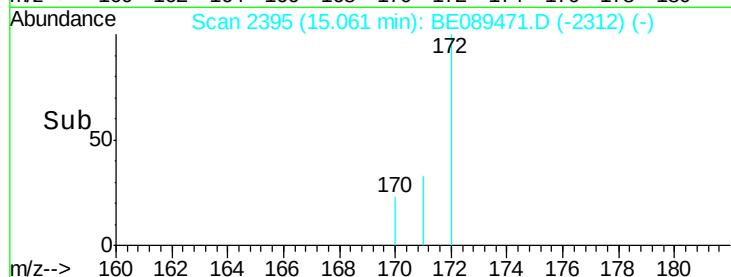
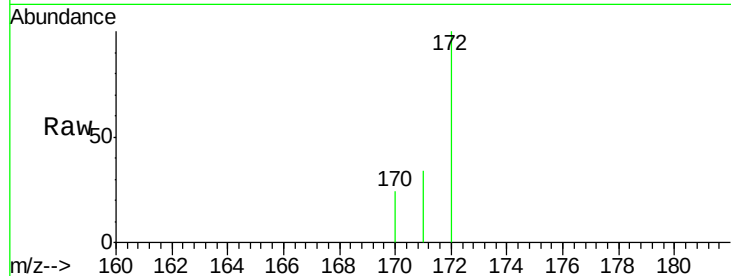
#15
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 15.06 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:172 Resp: 5245
Ion Ratio Lower Upper
172 100
171 34.1 26.8 40.2
170 24.3 17.7 26.5

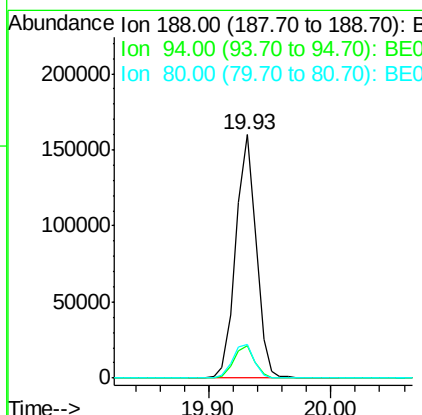
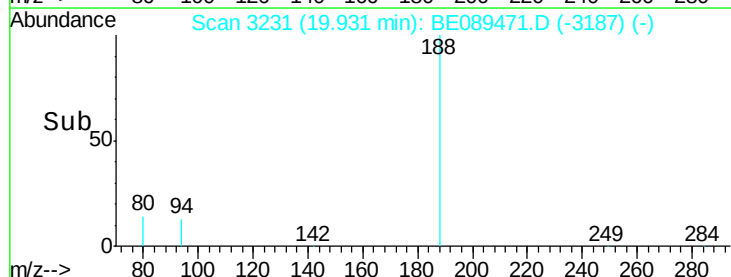
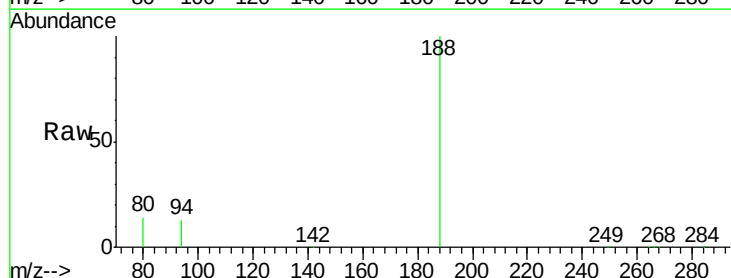
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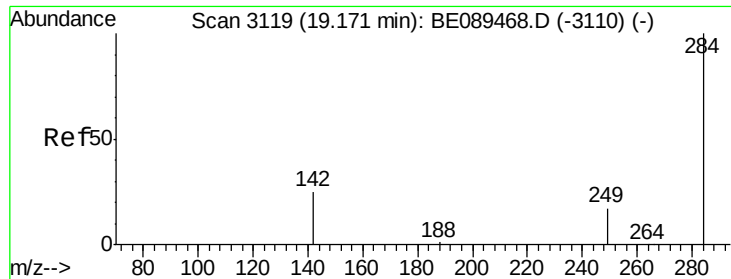
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#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.93 min Scan# 3231
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Tgt Ion:188 Resp: 186273
Ion Ratio Lower Upper
188 100
94 13.4 11.1 16.7
80 13.7 11.8 17.6





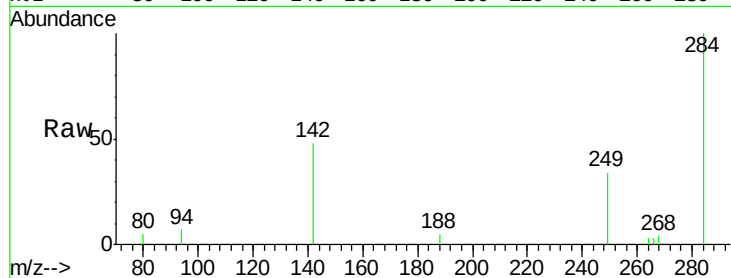
#18
Hexachlorobenzene
Concen: 0.20 ng
RT: 19.16 min Scan# 3118
Delta R.T. -0.01 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

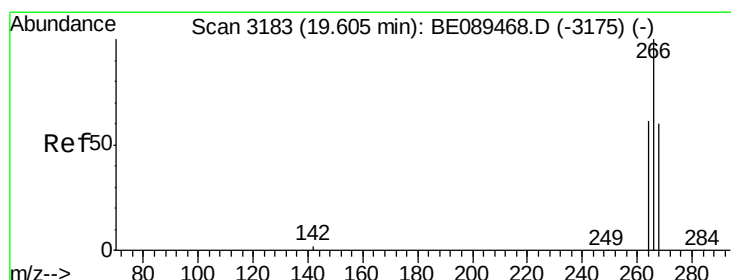
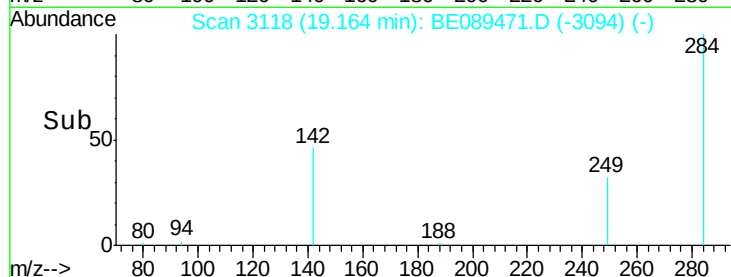
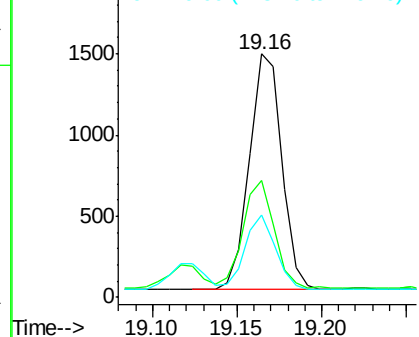
Tgt Ion	Ratio	Lower	Upper
284	100		
142	48.2	24.4	36.6#
249	34.1	18.2	27.2#

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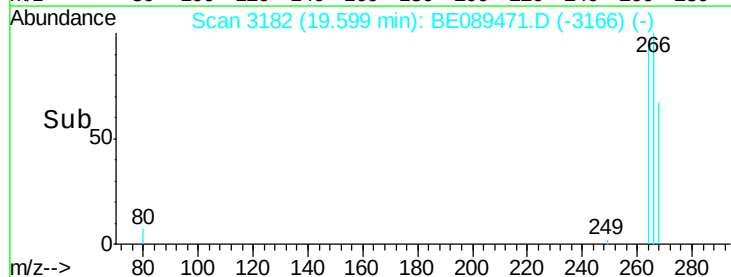
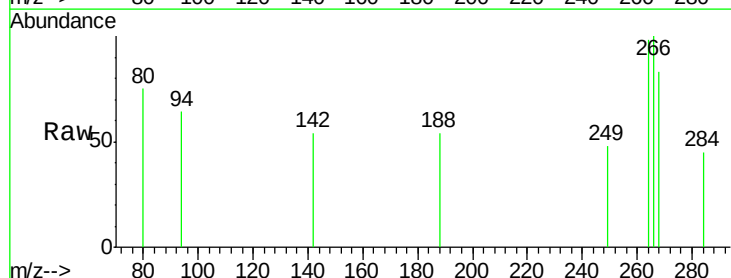
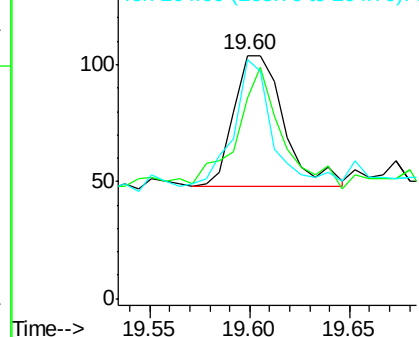
Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

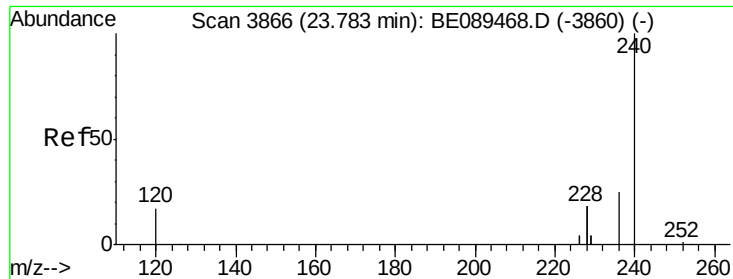


#19
Pentachlorophenol
Concen: 0.08 ng
RT: 19.60 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Lower	Upper
266	100		
268	82.7	50.0	75.0#
264	98.1	50.6	75.8#

Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





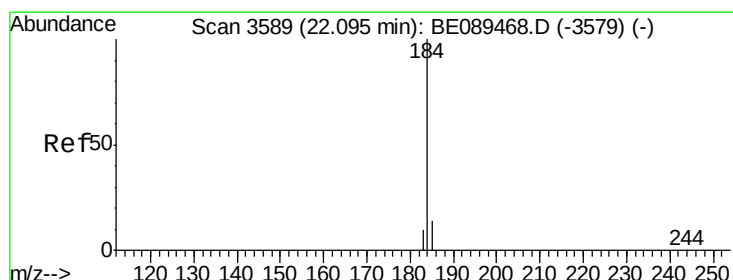
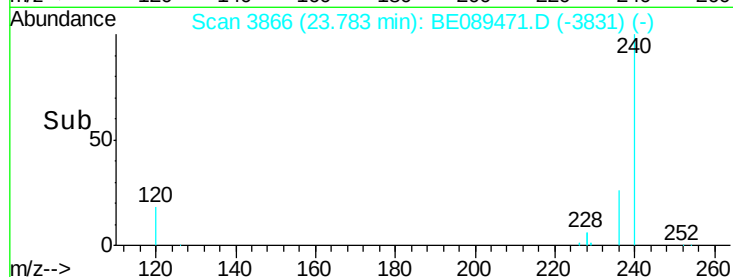
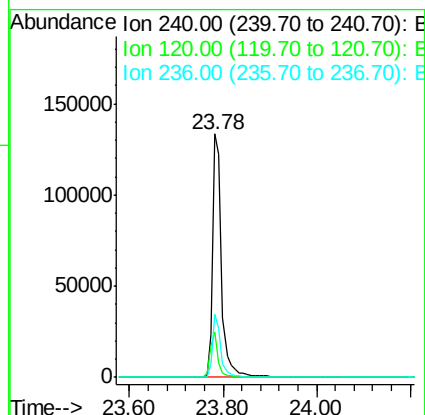
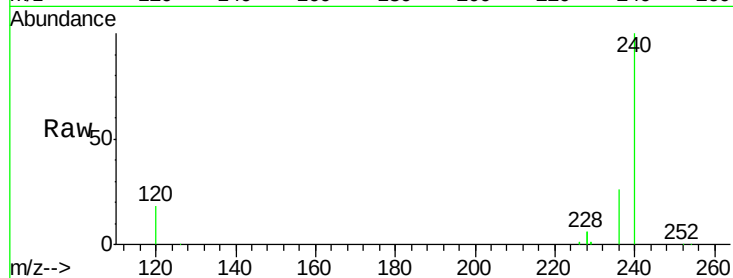
#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 3866
Delta R.T. -0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	180368		
120	18.4		13.8	20.6
236	25.8		20.2	30.2

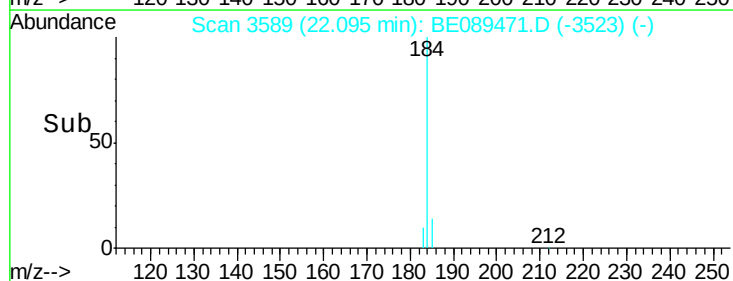
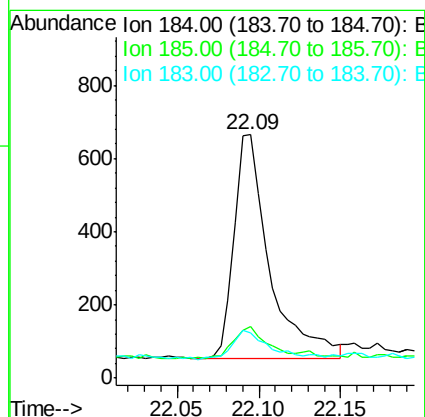
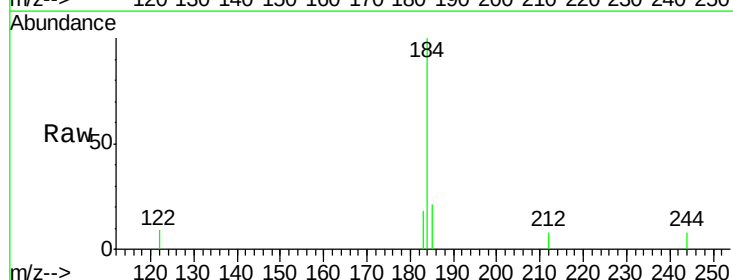
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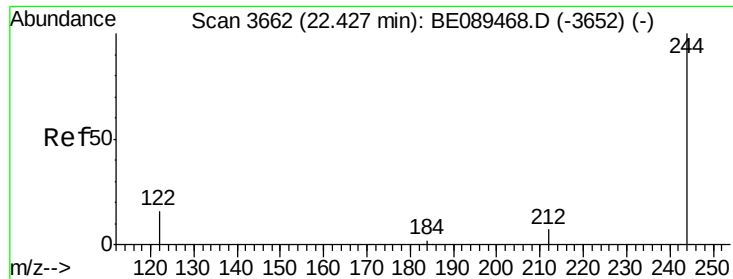
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#21
Benzidine
Concen: 0.07 ng
RT: 22.09 min Scan# 3589
Delta R.T. 0.00 min
Lab File: BE089471.D
Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	927		
185	21.2		12.0	18.0#
183	18.5		9.0	13.4#





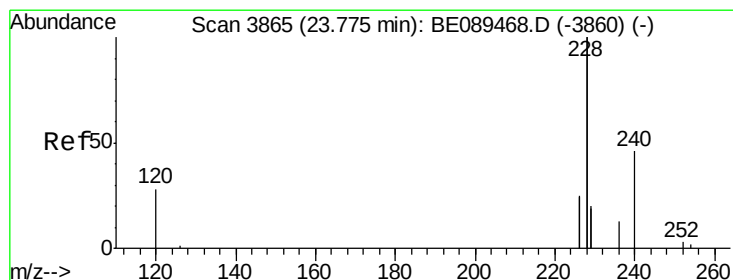
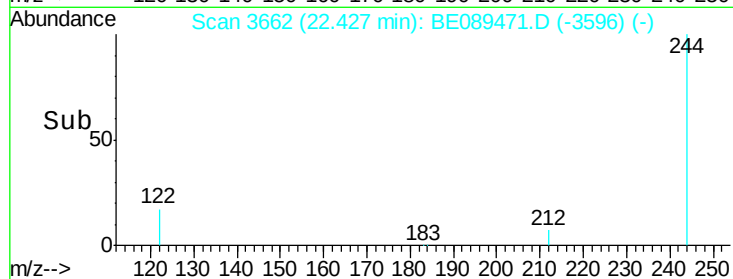
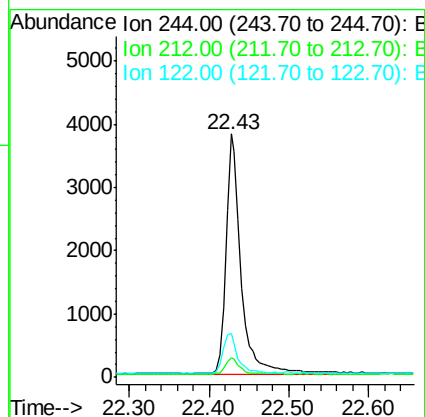
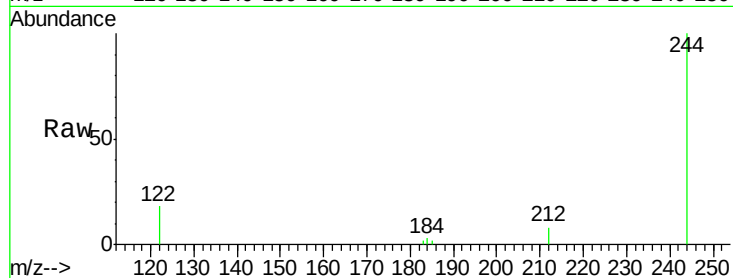
#22
 Terphenyl-d14
 Concen: 0.24 ng
 RT: 22.43 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 19:36

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.5	8.3
122	17.8	12.6	19.0

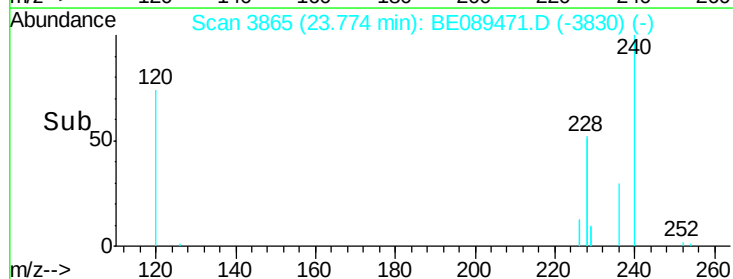
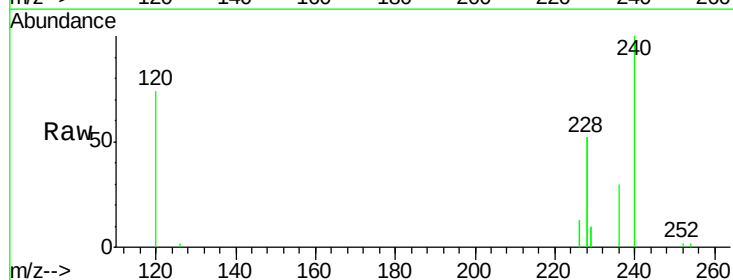
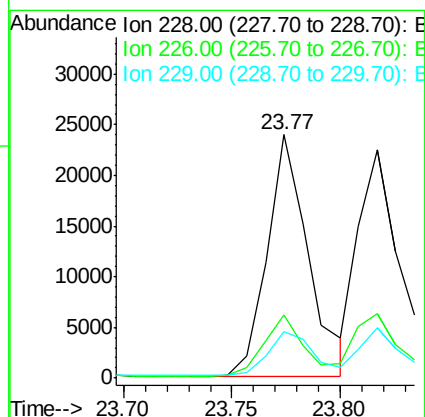
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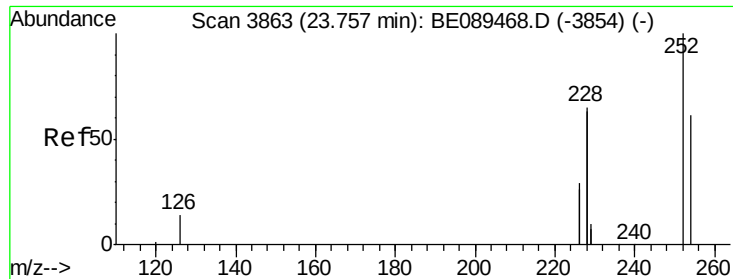
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#23
 Benzo(a)anthracene
 Concen: 0.22 ng
 RT: 23.77 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.7	19.6	29.4
229	19.3	15.9	23.9





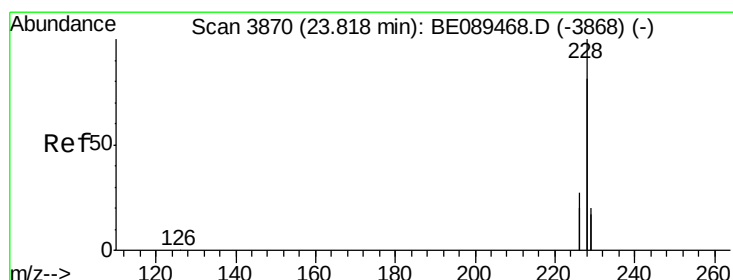
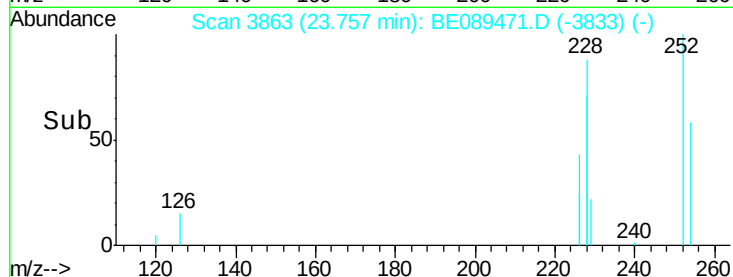
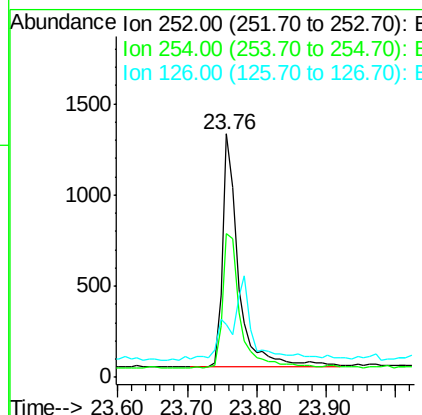
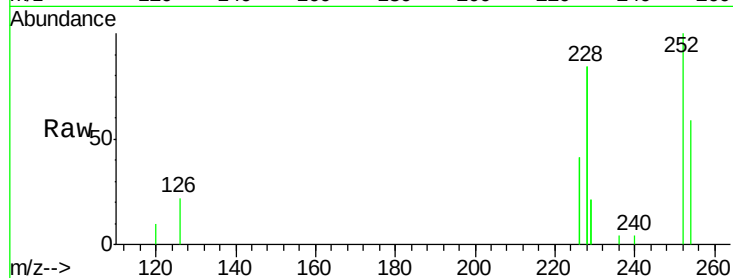
#24
 3,3'-Dichlorobenzidine
 Concen: 0.16 ng
 RT: 23.76 min Scan# 3863
 Delta R.T. -0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 19:36

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.1	48.6	73.0
126	21.6	12.4	18.6

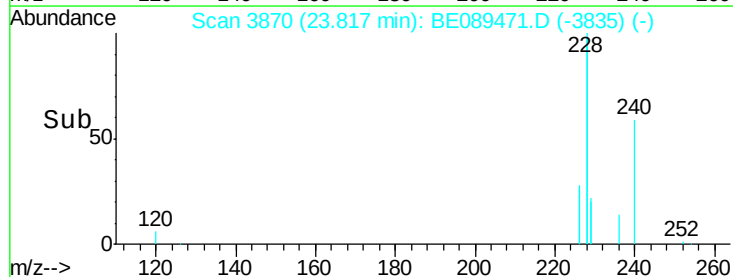
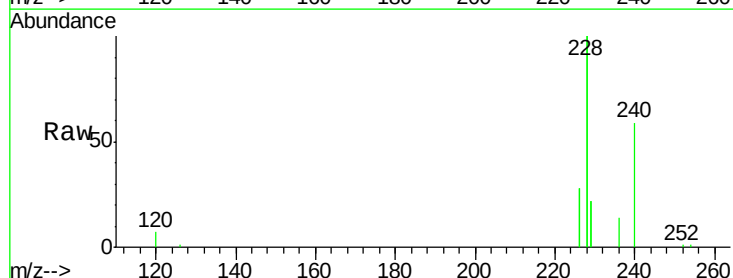
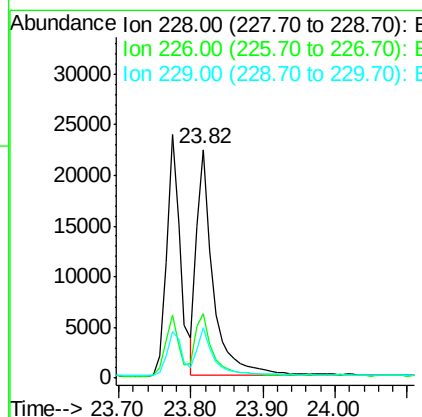
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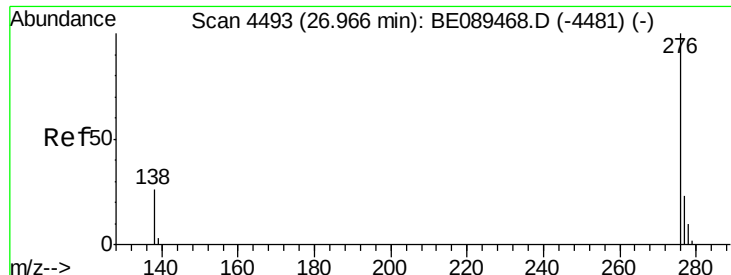
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#25
 Chrysene
 Concen: 0.20 ng
 RT: 23.82 min Scan# 3870
 Delta R.T. -0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	22.0	16.2	24.2





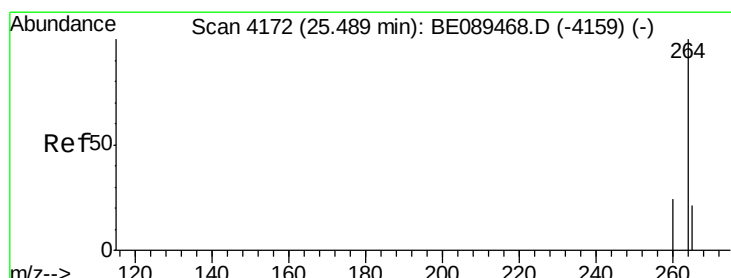
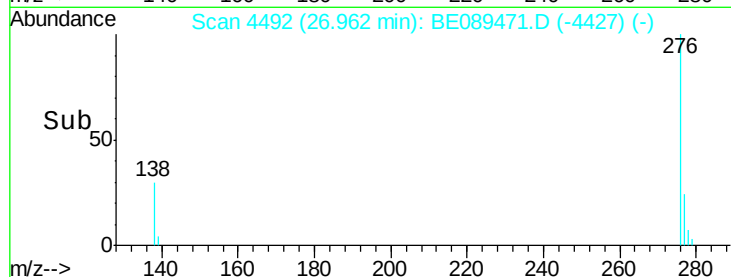
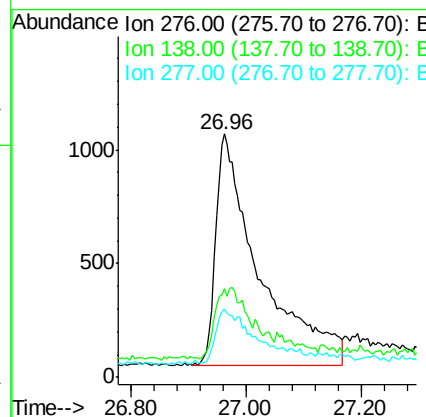
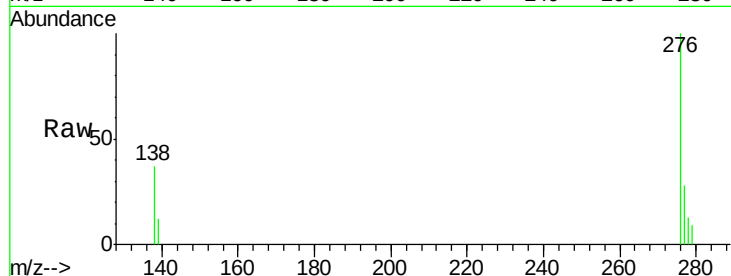
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.11 ng
 RT: 26.96 min Scan# 4492
 Delta R.T. -0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 19:36

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	24.2	36.4#
277	19.5	19.9	29.9#

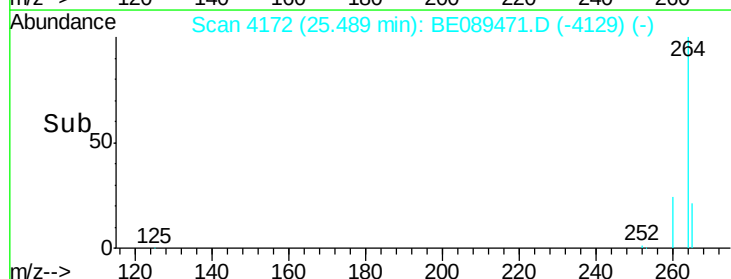
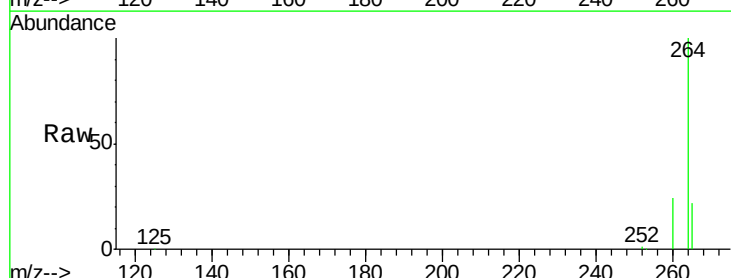
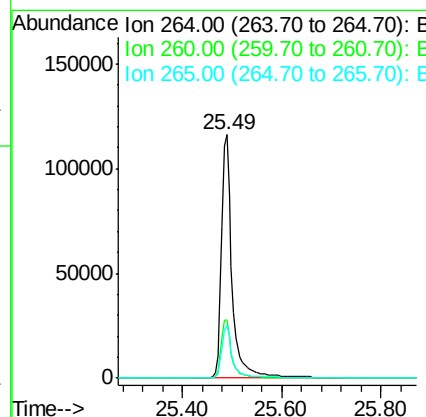
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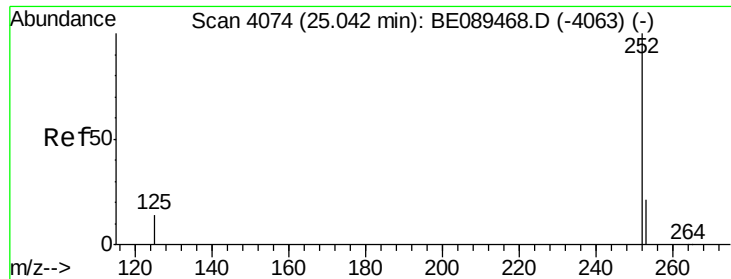
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#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. 0.00 min
 Lab File: BE089471.D
 Acq: 3 Feb 2015 19:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.7	17.0	25.6





#28

Benzo(b)fluoranthene

Concen: 0.16 ng m

RT: 25.04 min Scan# 4074

Delta R.T. 0.00 min

Lab File: BE089471.D

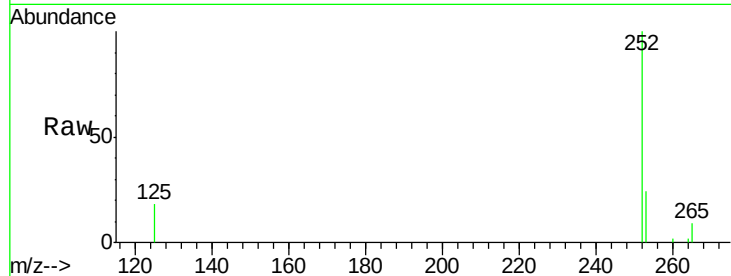
Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

LabSampleId :

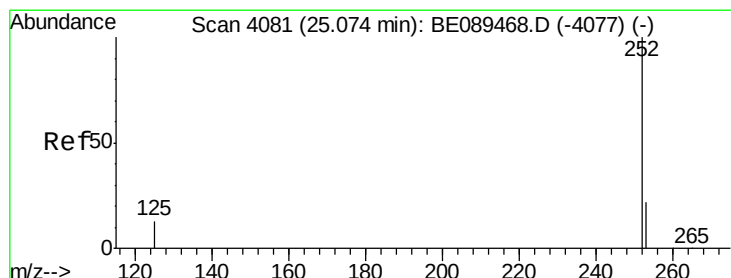
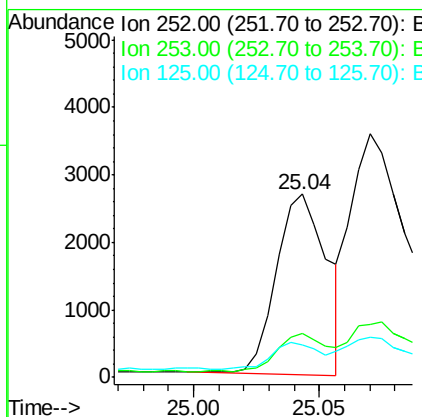
SSTDICC0.2



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	17.7	11.3	16.9#

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#29

Benzo(k)fluoranthene

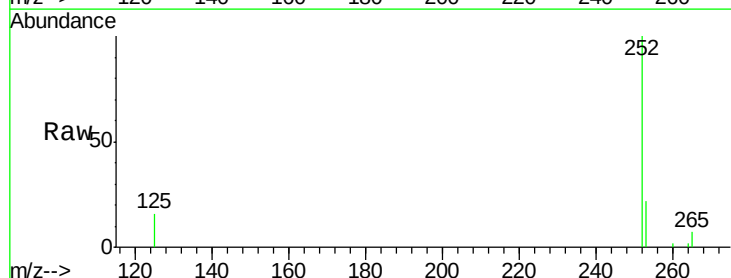
Concen: 0.20 ng m

RT: 25.07 min Scan# 4080

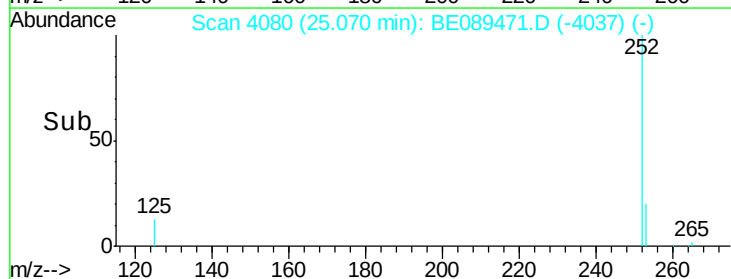
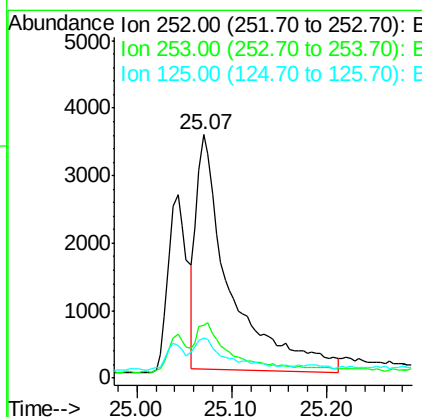
Delta R.T. -0.00 min

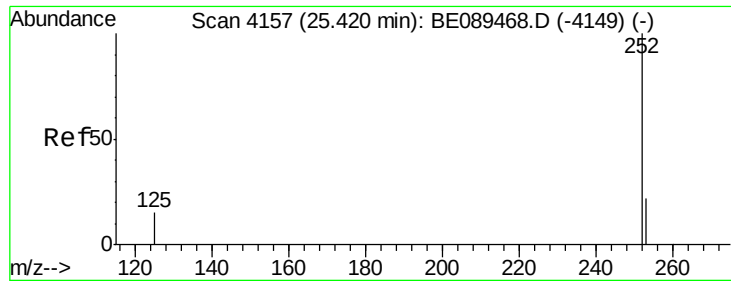
Lab File: BE089471.D

Acq: 3 Feb 2015 19:36



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	16.4	10.6	15.8#





#30

Benzo(a)pyrene

Concen: 0.16 ng

RT: 25.42 min Scan# 4156

Delta R.T. -0.00 min

Lab File: BE089471.D

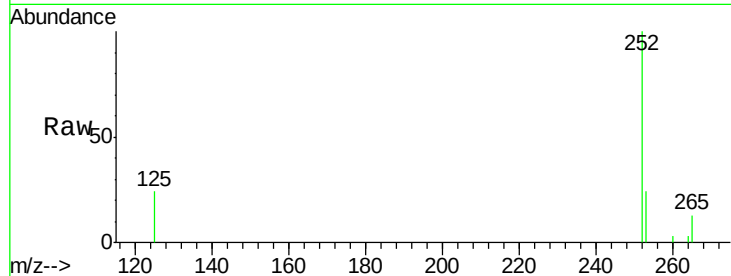
Acq: 3 Feb 2015 19:36

Instrument :

BNA_E

LabSampleId :

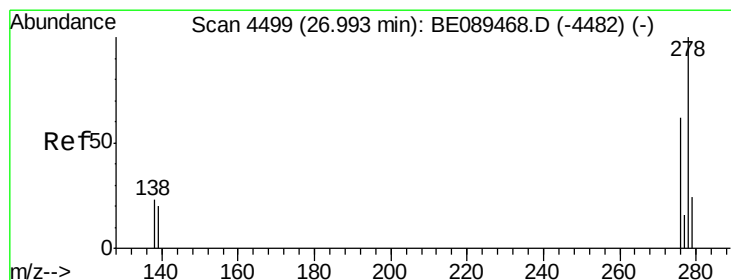
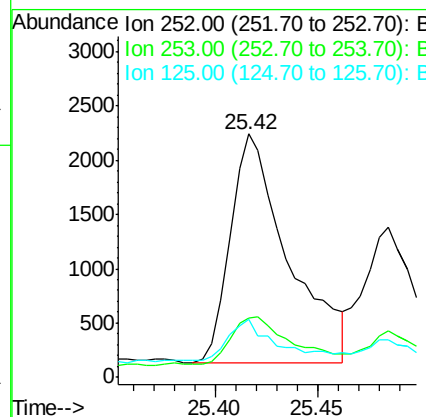
SSTDICC0.2



Tgt Ion:	252	Resp:	4123
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	23.9	12.2	18.4#

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#31

Dibenzo(a,h)anthracene

Concen: 0.14 ng m

RT: 26.99 min Scan# 4499

Delta R.T. 0.00 min

Lab File: BE089471.D

Acq: 3 Feb 2015 19:36

Tgt Ion:	278	Resp:	4464
Ion Ratio	Lower	Upper	
278	100		
139	27.8	16.8	25.2#
279	29.4	19.4	29.0#

