

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089468.D
 Acq On : 3 Feb 2015 17:37
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Manual Integrations
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Quant Time: Feb 04 00:38:42 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	59878	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	239834	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	102742	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	197851	5.00	ng	0.00
20) Chrysene-d12	23.78	240	198084	5.00	ng	0.00
27) Perylene-d12	25.49	264	188603	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	18812	0.94	ng	0.00
4) Phenol-d6	8.84	99	23935	1.02	ng	0.00
8) Nitrobenzene-d5	10.79	82	17607	1.01	ng	0.00
14) 2,4,6-Tribromophenol	18.51	330	3456	1.29	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	26757	0.93	ng	0.00
22) Terphenyl-d14	22.43	244	28053	1.23	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.55	42	10838	1.13	ng	100
5) Phenol	8.86	94	26282m	1.04	ng	
6) bis(2-Chloroethyl)ether	9.01	93	18794	1.02	ng	# 100
9) Nitrobenzene	10.83	77	20424	1.03	ng	100
10) 2,4-Dimethylphenol	11.77	122	14751	1.04	ng	100
11) 2,4-Dichlorophenol	12.15	162	10871	1.01	ng	100
12) Hexachlorobutadiene	12.81	225	7304	0.97	ng	100
16) 2,4-Dinitrophenol	16.84	184	344	0.56	ng	100
18) Hexachlorobenzene	19.17	284	9996	0.96	ng	100
19) Pentachlorophenol	19.61	266	1224	1.00	ng	100
21) Benzidine	22.09	184	9469	0.67	ng	100
23) Benzo(a)anthracene	23.77	228	178737	1.12	ng	100
24) 3,3'-Dichlorobenzidine	23.76	252	14179	1.01	ng	100
25) Chrysene	23.82	228	178468	0.93	ng	100
26) Indeno(1,2,3-cd)pyrene	26.97	276	43391	0.77	ng	100
28) Benzo(b)fluoranthene	25.04	252	32536	1.26	ng	100
29) Benzo(k)fluoranthene	25.07	252	52741	1.11	ng	100
30) Benzo(a)pyrene	25.42	252	33659	1.17	ng	100
31) Dibenzo(a,h)anthracene	26.99	278	37166	1.07	ng	100

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

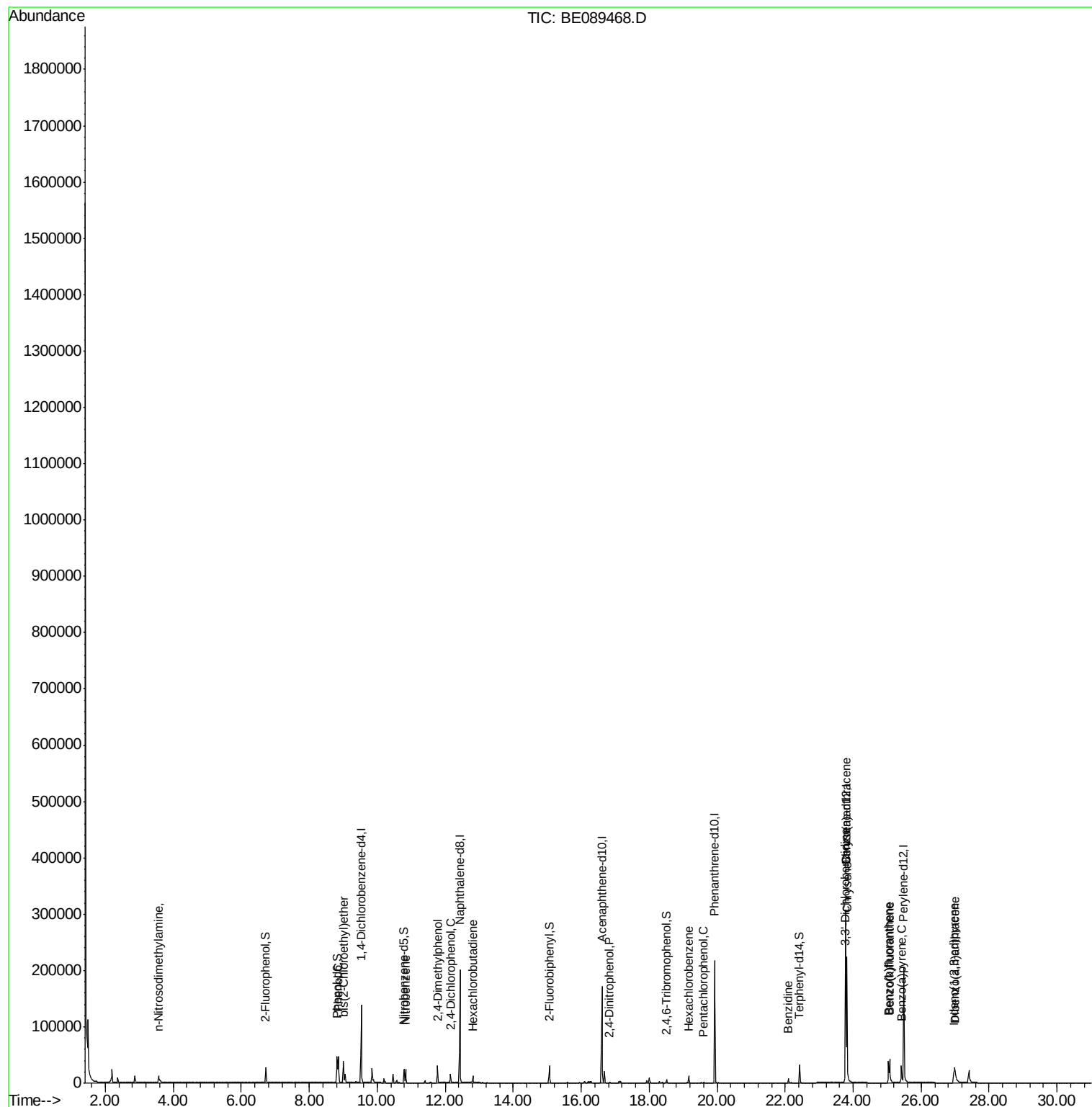
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089468.D
Acq On : 3 Feb 2015 17:37
Operator : TP/IZ
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ALS Vial : 5 Sample Multiplier: 1

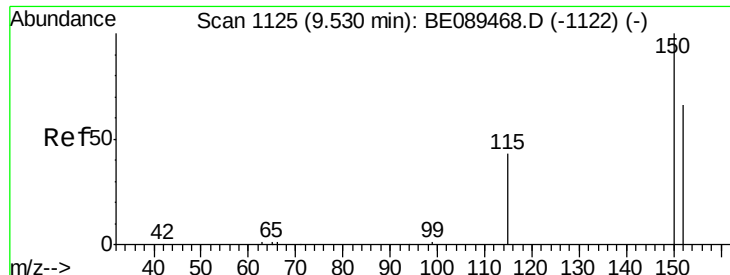
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:22:17 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE089468.D

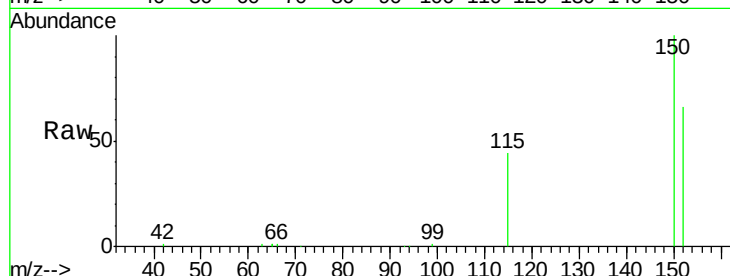
Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion: 152 Resp: 59878

Ion Ratio Lower Upper

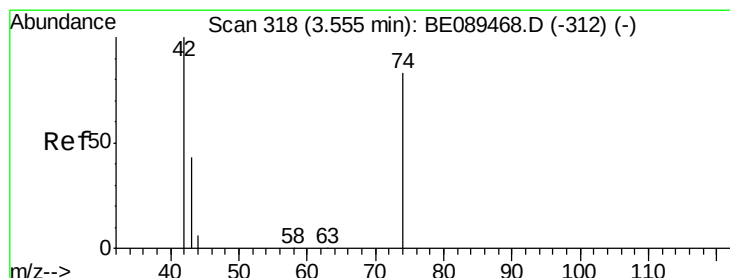
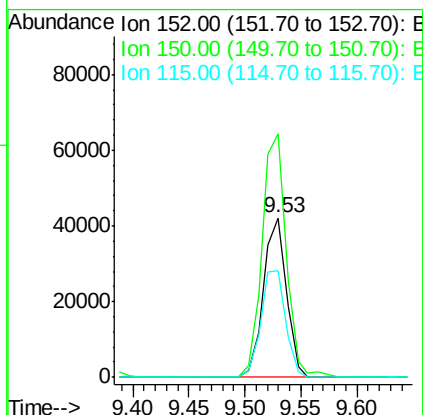
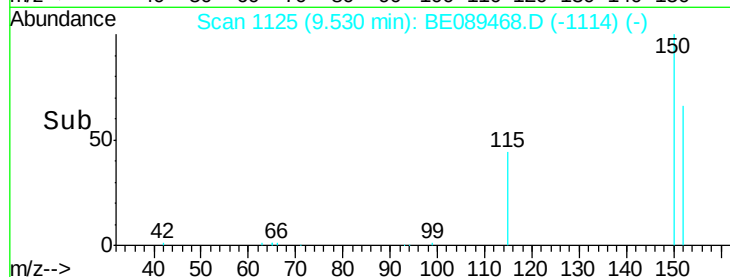
152 100

150 152.6 122.1 183.1

115 66.5 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 1.13 ng

RT: 3.55 min Scan# 318

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

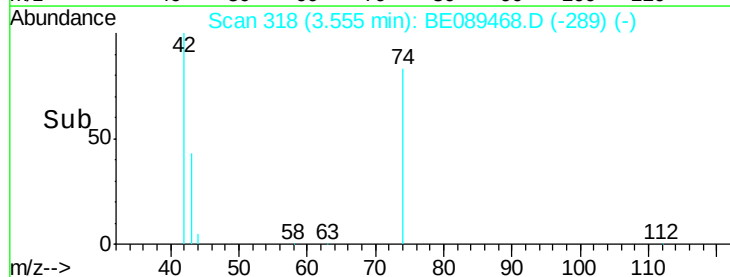
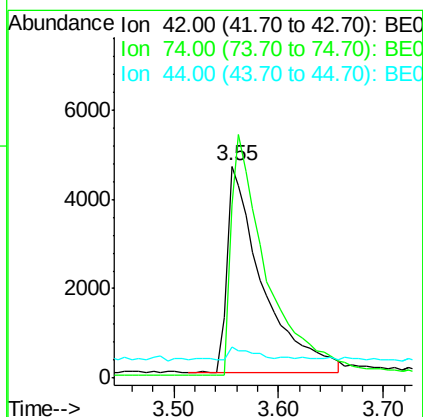
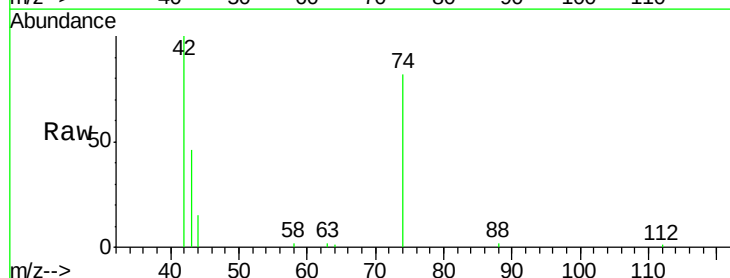
Tgt Ion: 42 Resp: 10838

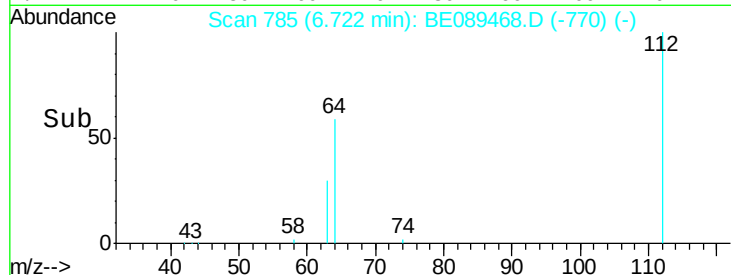
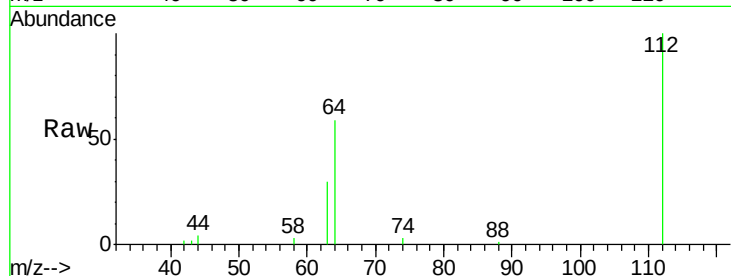
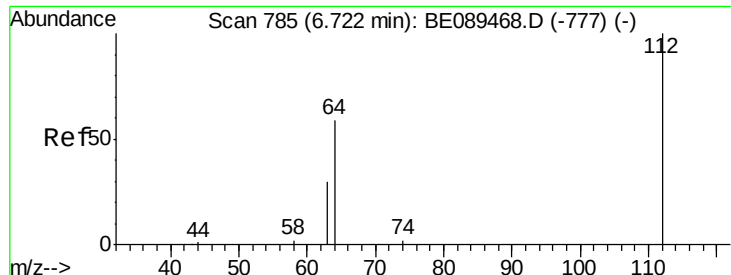
Ion Ratio Lower Upper

42 100

74 81.8 65.4 98.2

44 14.6 11.7 17.5





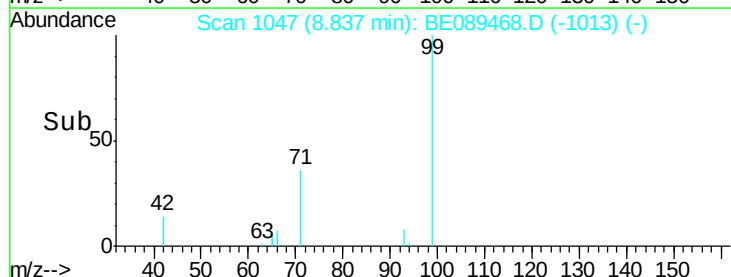
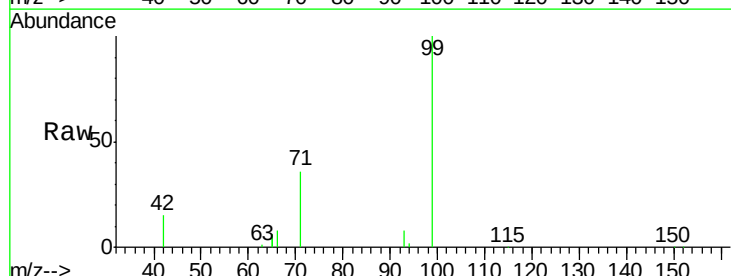
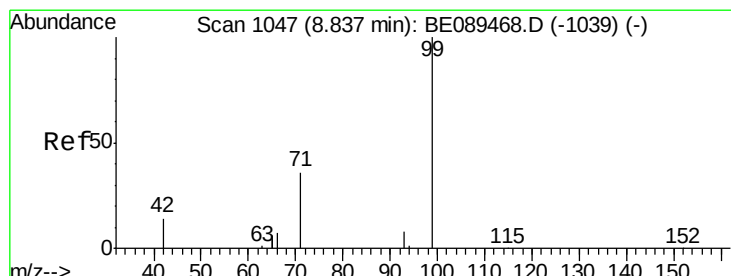
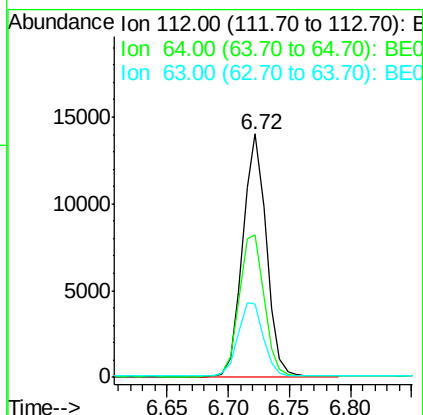
#3
2-Fluorophenol
Concen: 0.94 ng
RT: 6.72 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	18812		
64	58.8	47.0	70.6	
63	30.2	24.2	36.2	

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

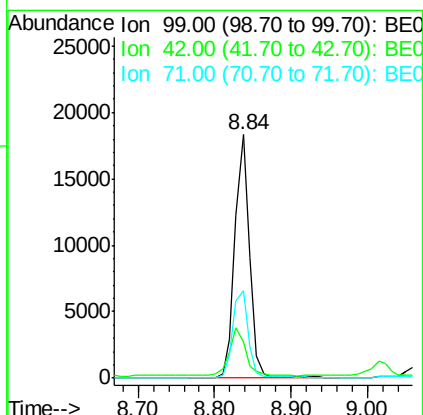
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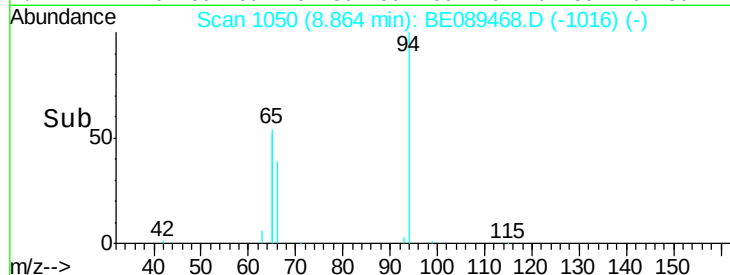
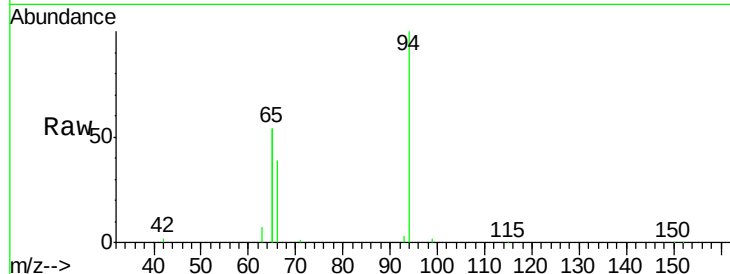
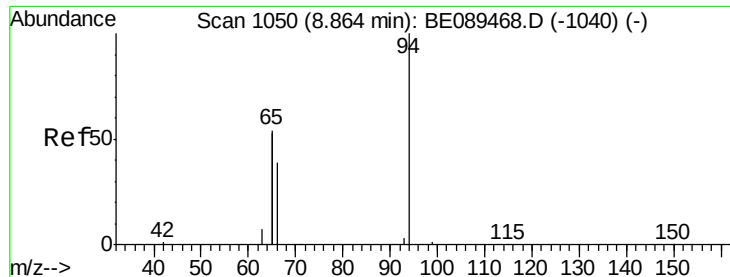
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#4
Phenol-d6
Concen: 1.02 ng
RT: 8.84 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	23935		
42	14.7	11.8	17.6	
71	35.9	28.7	43.1	





#5

Phenol

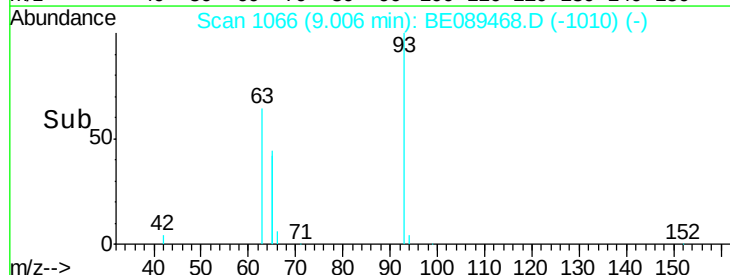
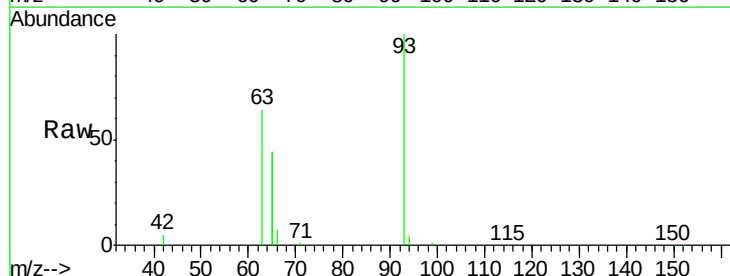
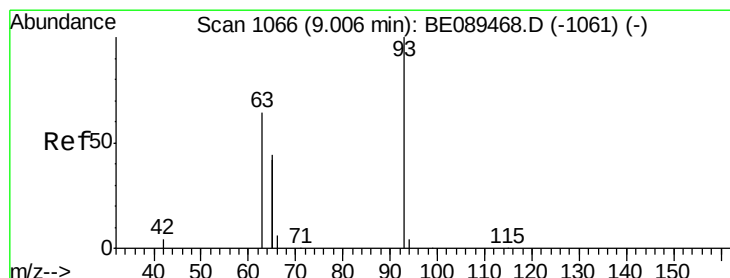
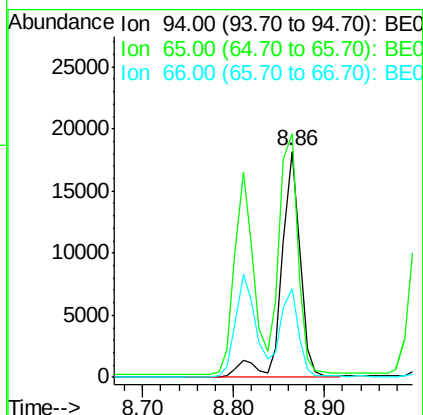
Concen: 1.04 ng m
RT: 8.86 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
94	100		
65	53.9	33.9	73.9
66	39.1	19.1	59.1

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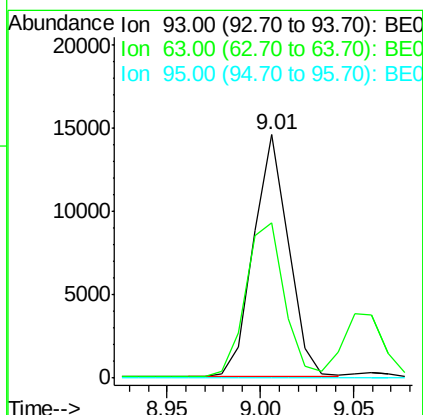


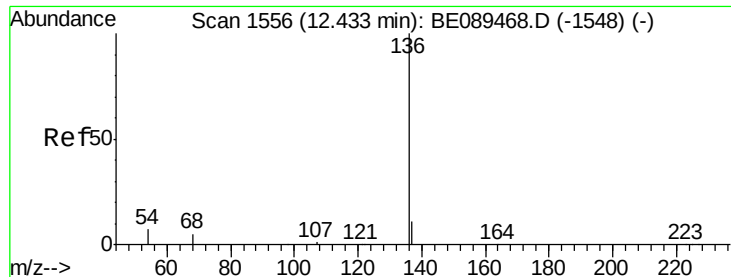
#6

bis(2-Chloroethyl)ether

Concen: 1.02 ng
RT: 9.01 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.3	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: BE089468.D

Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

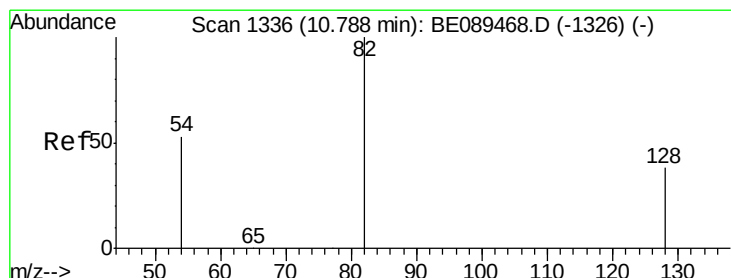
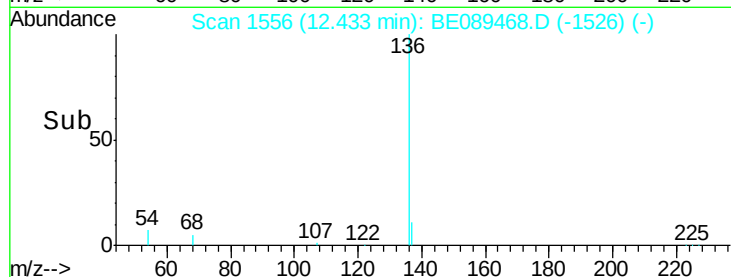
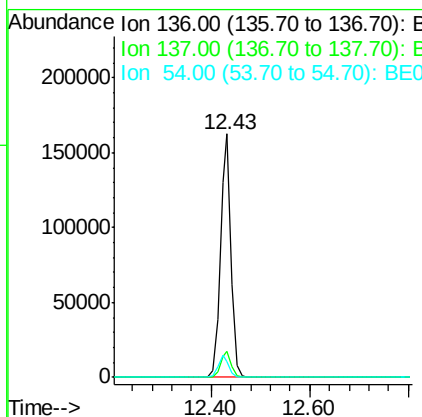
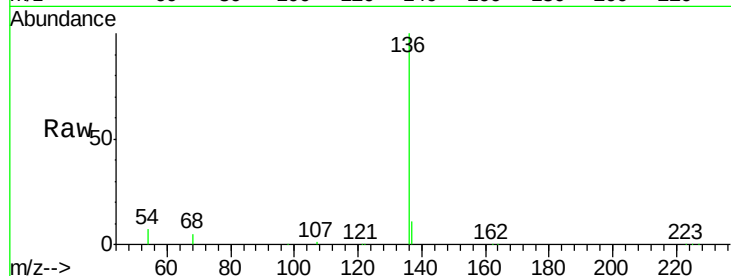
LabSampleId :

SSTDICCC001

Tgt	Ion	136	Resp:	239834
Ion	Ratio	Lower	Upper	
136	100			
137	10.8	8.6	13.0	
54	6.7	5.4	8.0	

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#8

Nitrobenzene-d5

Concen: 1.01 ng

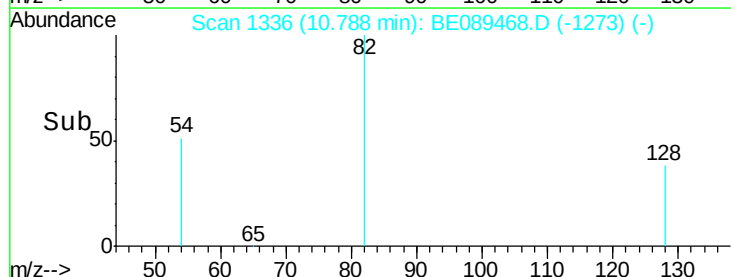
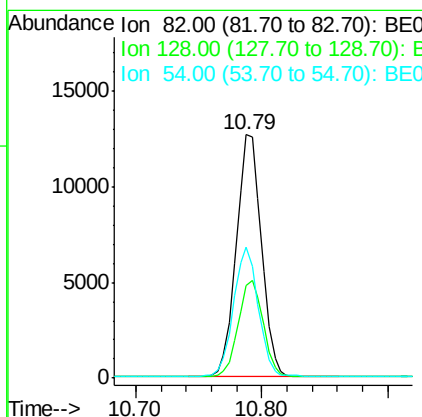
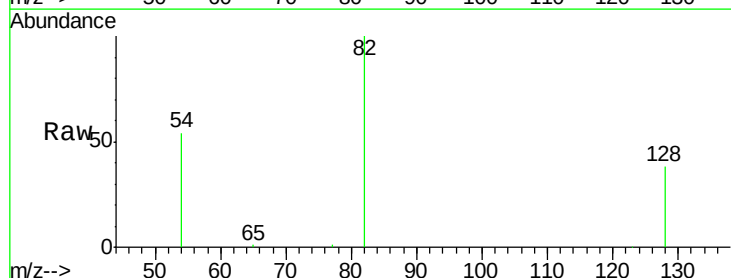
RT: 10.79 min Scan# 1336

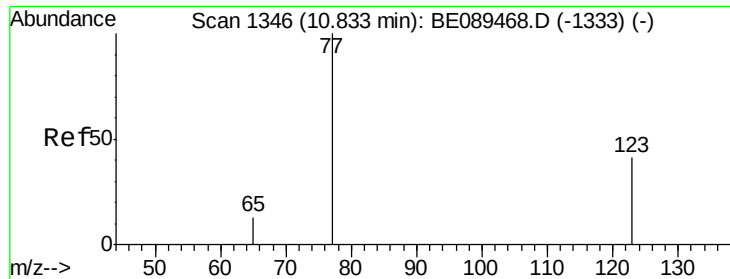
Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Tgt	Ion	82	Resp:	17607
Ion	Ratio	Lower	Upper	
82	100			
128	37.9	30.3	45.5	
54	53.9	43.1	64.7	





#9

Nitrobenzene

Concen: 1.03 ng

RT: 10.83 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BE089468.D

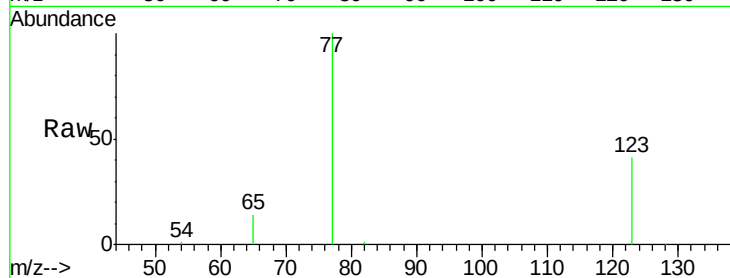
Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

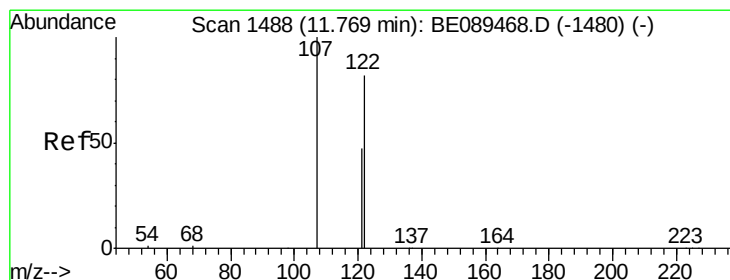
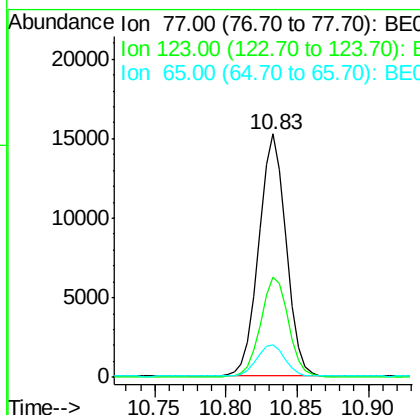
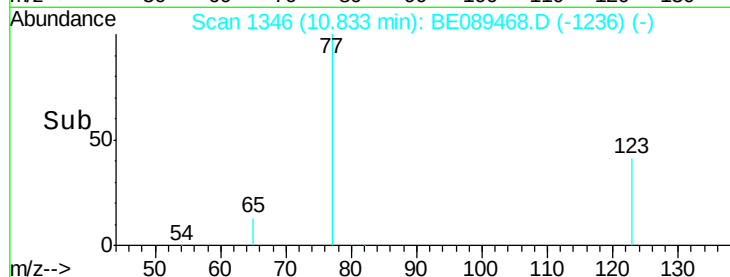
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Tgt Ion:	77	Resp:	20424
Ion	Ratio	Lower	Upper
77	100		
123	41.7	33.4	50.0
65	13.6	10.9	16.3

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#10

2,4-Dimethylphenol

Concen: 1.04 ng

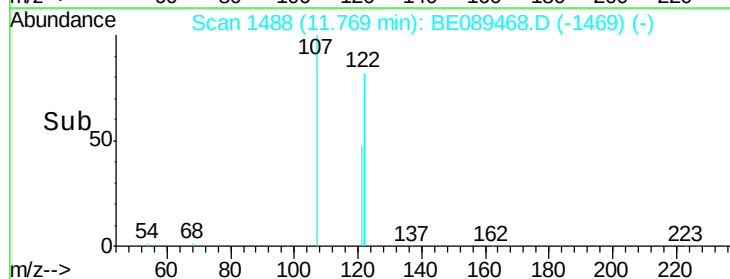
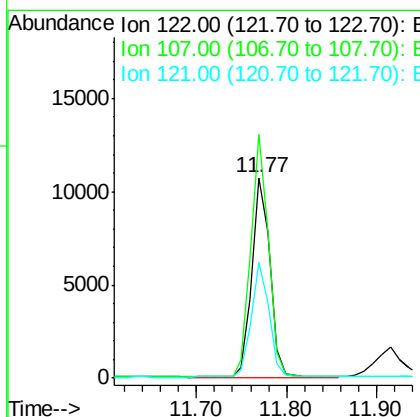
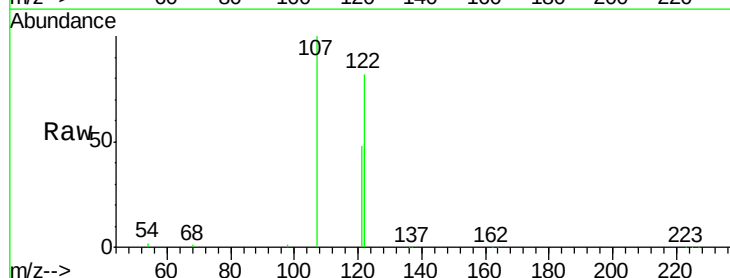
RT: 11.77 min Scan# 1488

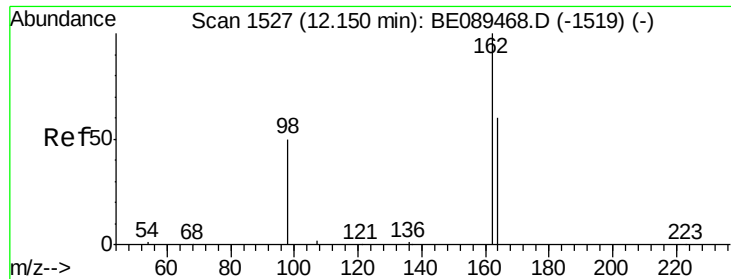
Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Tgt Ion:	122	Resp:	14751
Ion	Ratio	Lower	Upper
122	100		
107	121.6	97.3	145.9
121	58.0	46.4	69.6





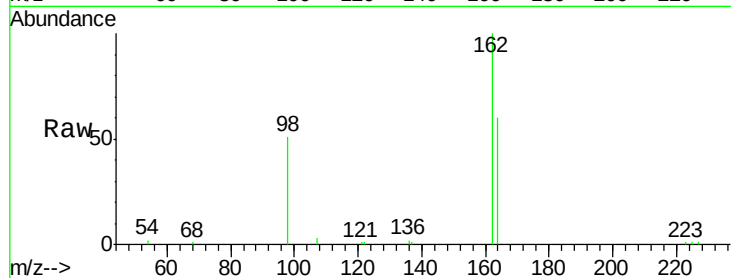
#11
2,4-Dichlorophenol
Concen: 1.01 ng
RT: 12.15 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Instrument :
BNA_E
LabSampleId :
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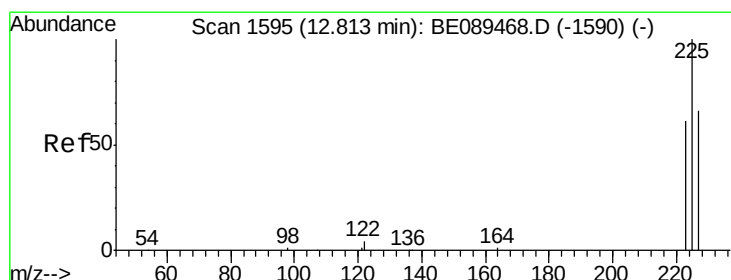
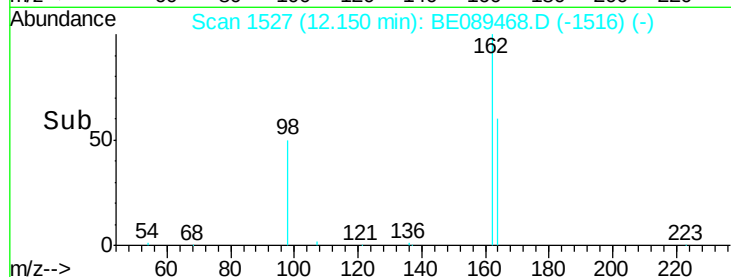
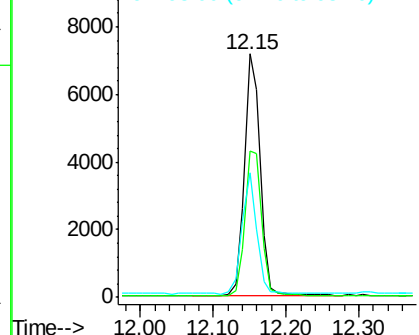
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	10871		
164	59.9	39.9	79.9	
98	51.3	31.3	71.3	

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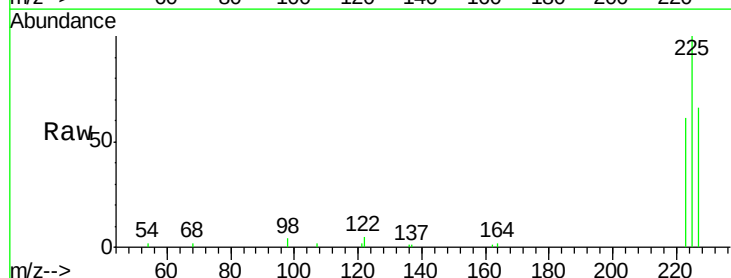


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

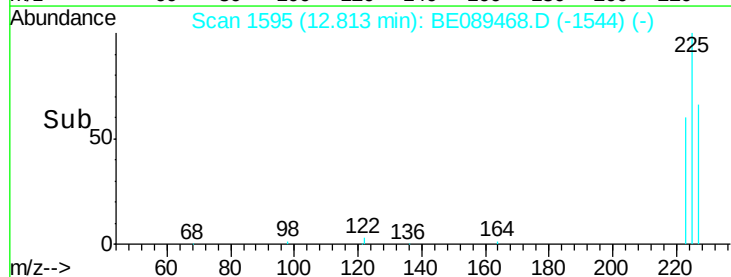
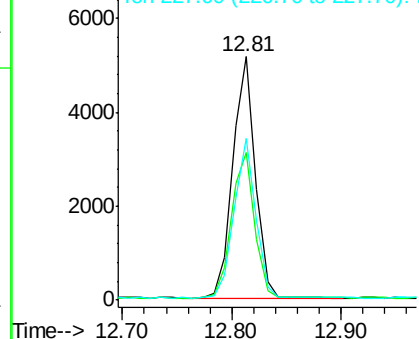


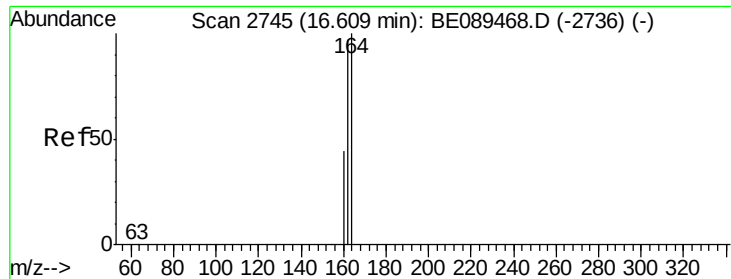
#12
Hexachlorobutadiene
Concen: 0.97 ng
RT: 12.81 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7304		
223	61.7	49.4	74.0	
227	63.7	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: BE089468.D

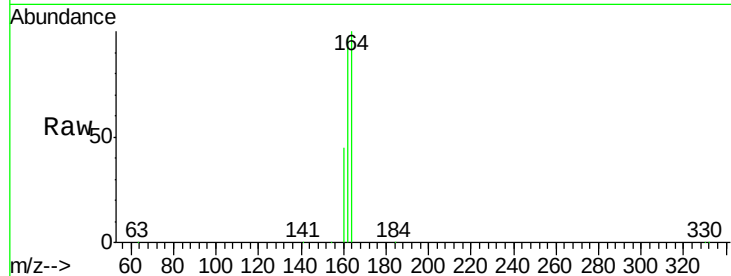
Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

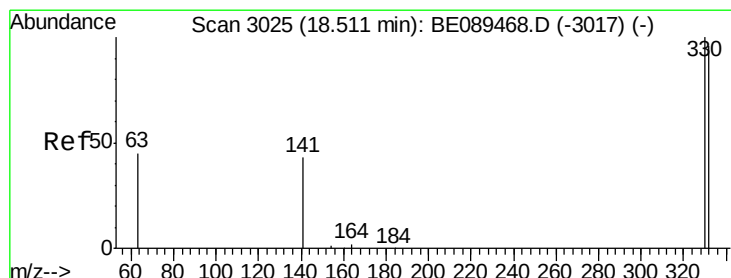
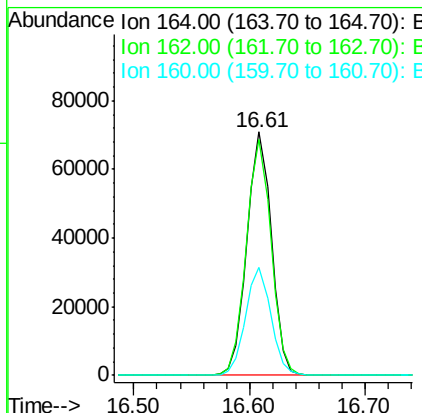
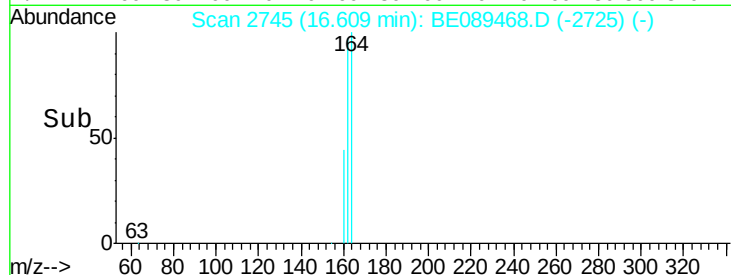
SSTDICCC001



Tgt Ion:	164	Resp:	102742
Ion Ratio	Lower	Upper	
164	100		
162	97.0	77.6	116.4
160	44.5	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 1.29 ng

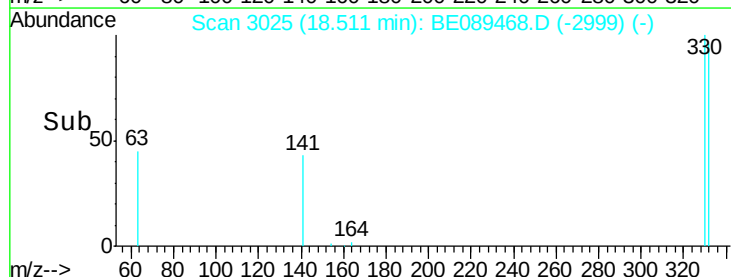
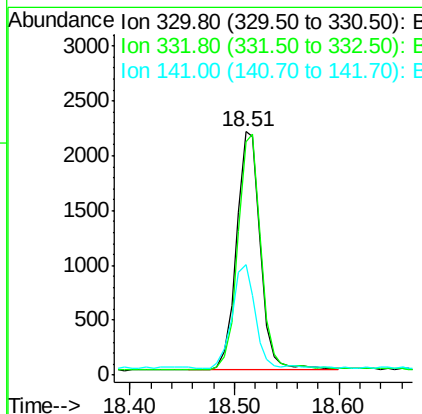
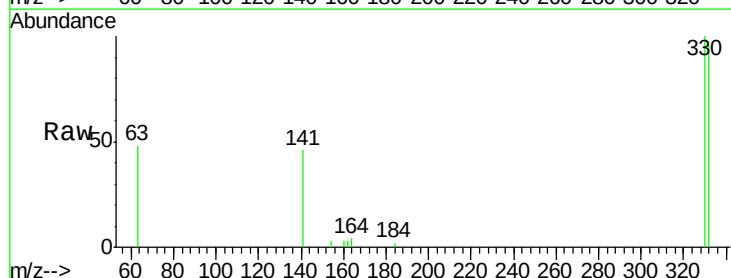
RT: 18.51 min Scan# 3025

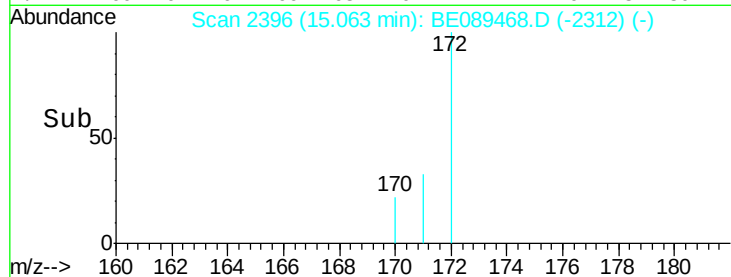
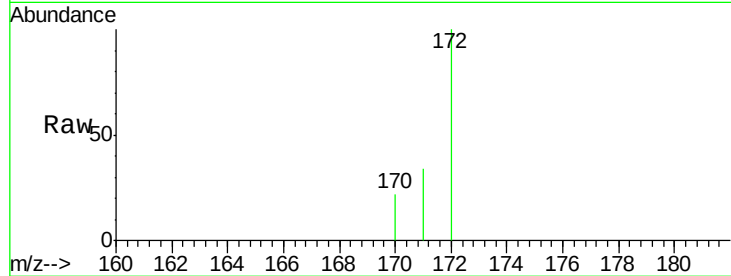
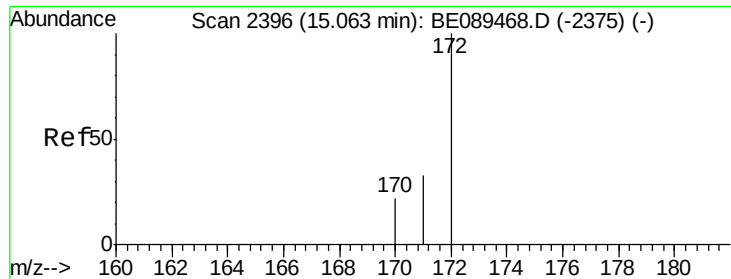
Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Tgt Ion:	330	Resp:	3456
Ion Ratio	Lower	Upper	
330	100		
332	97.5	78.0	117.0
141	42.2	33.8	50.6





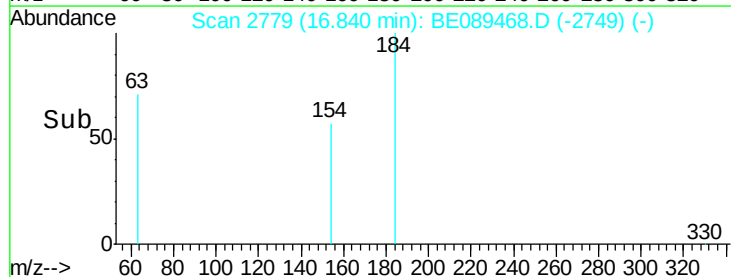
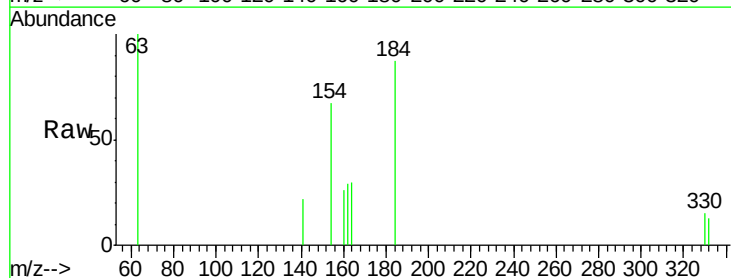
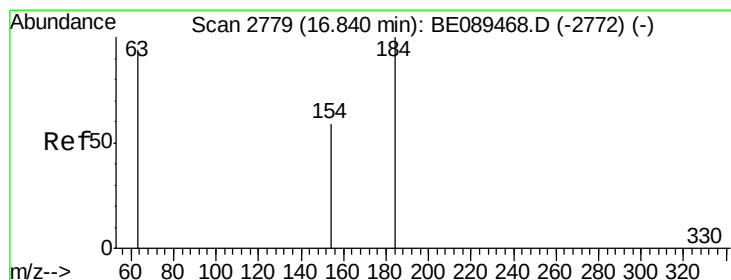
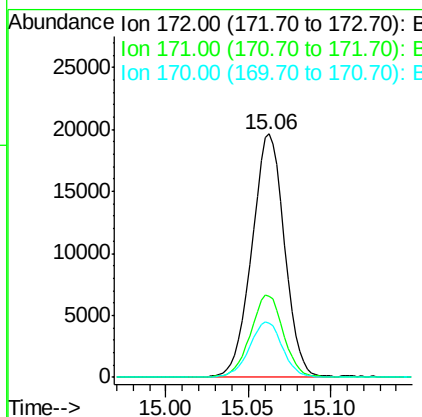
#15
2-Fluorobiphenyl
Concen: 0.93 ng
RT: 15.06 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

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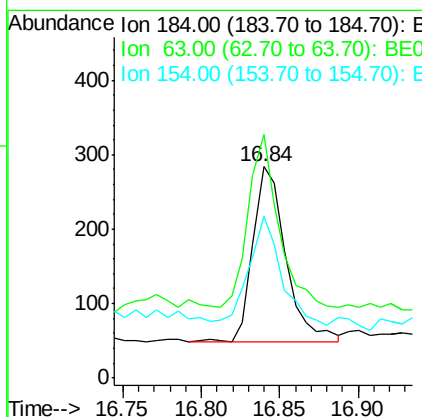
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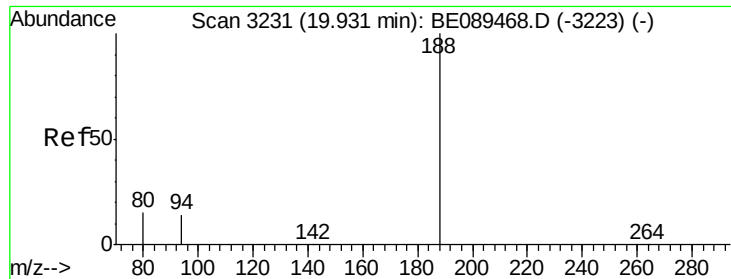
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.8	40.2
170	22.1	17.7	26.5



#16
2,4-Dinitrophenol
Concen: 0.56 ng
RT: 16.84 min Scan# 2779
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Tgt Ion	Ratio	Lower	Upper
184	100		
63	115.1	92.1	138.1
154	76.8	61.4	92.2





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.93 min Scan# 3231

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

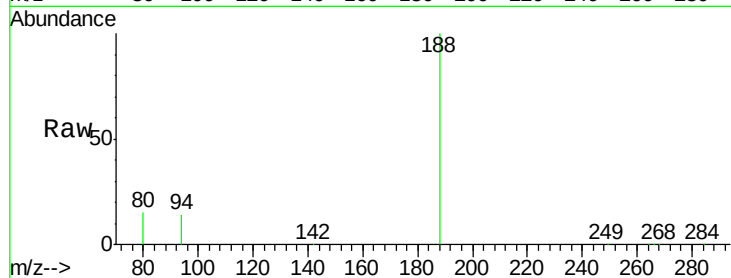
LabSampleId :

SSTDICCC001

Tgt Ion:	188	Resp:	197851
Ion Ratio	Lower	Upper	
188	100		
94	13.9	11.1	16.7
80	14.7	11.8	17.6

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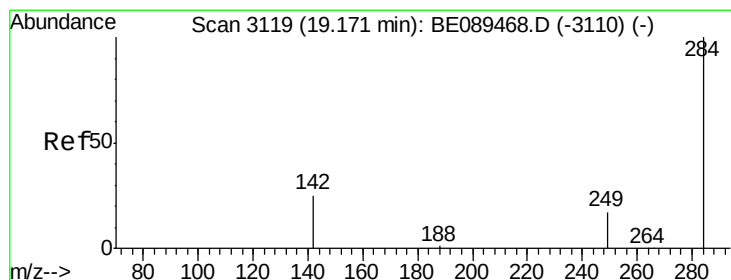
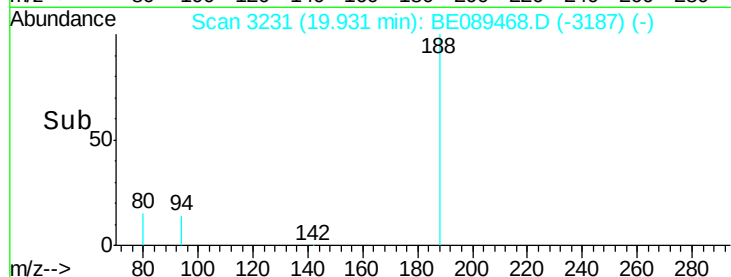
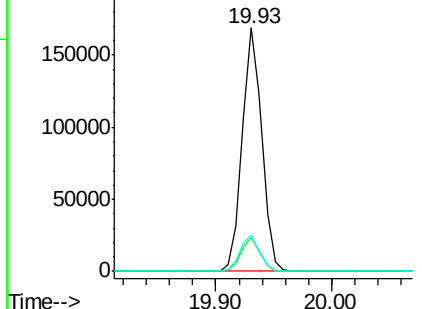
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 0.96 ng

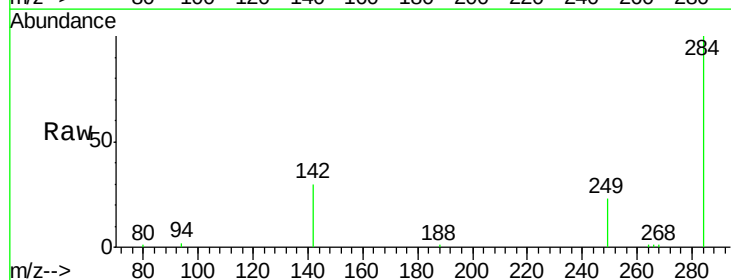
RT: 19.17 min Scan# 3119

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

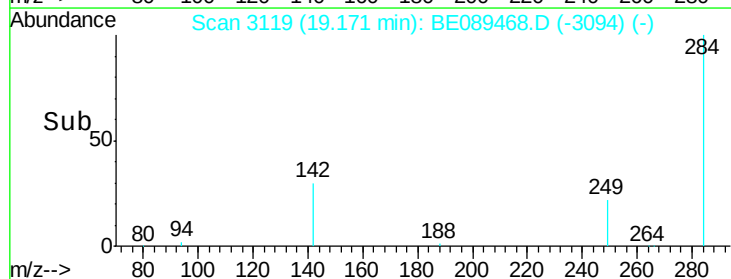
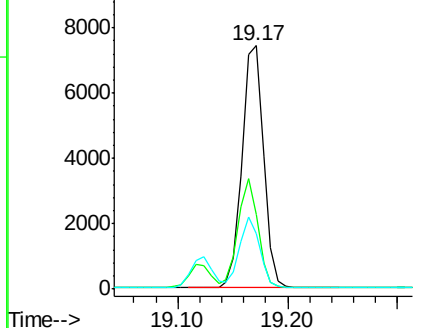
Tgt Ion:	284	Resp:	9996
Ion Ratio	Lower	Upper	
284	100		
142	30.5	24.4	36.6
249	22.7	18.2	27.2

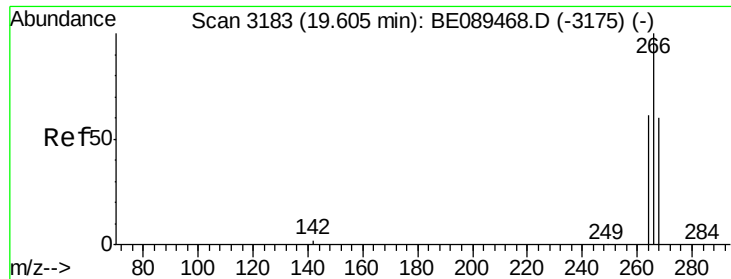


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 1.00 ng

RT: 19.61 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE089468.D

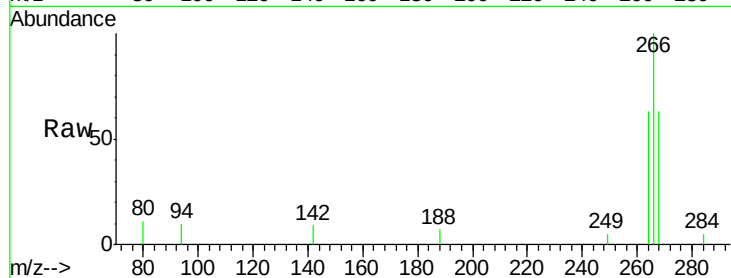
Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion:266 Resp: 1224

Ion Ratio Lower Upper

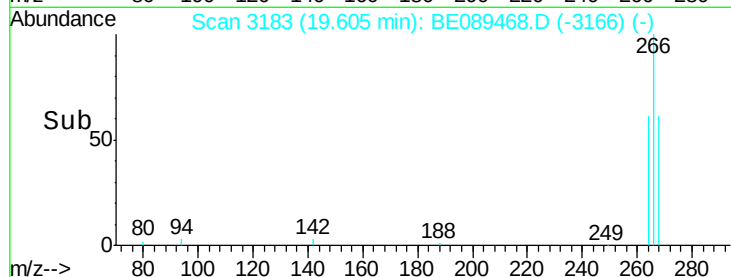
266 100

268 62.5 50.0 75.0

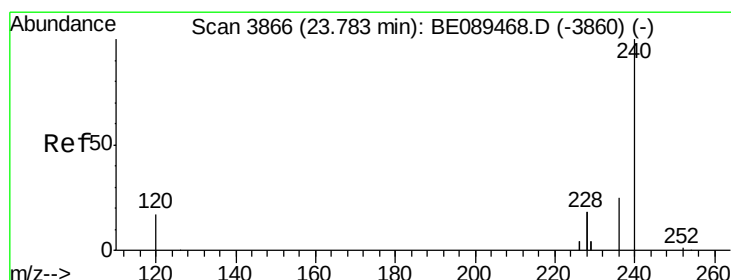
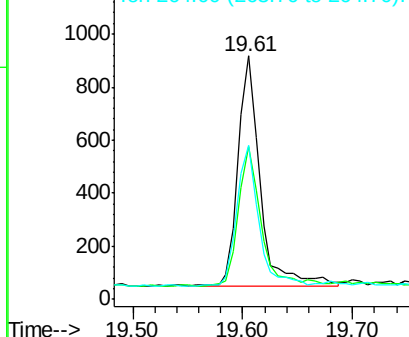
264 63.2 50.6 75.8

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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: BE089468.D

Acq: 3 Feb 2015 17:37

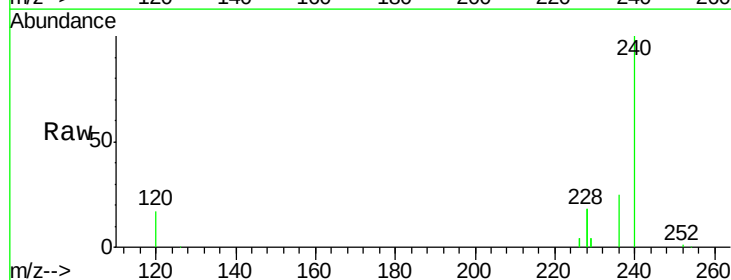
Tgt Ion:240 Resp: 198084

Ion Ratio Lower Upper

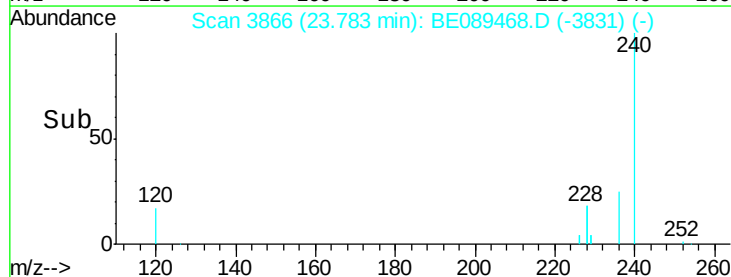
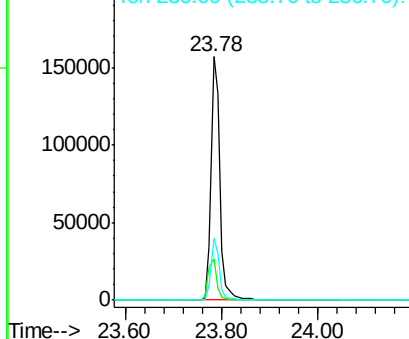
240 100

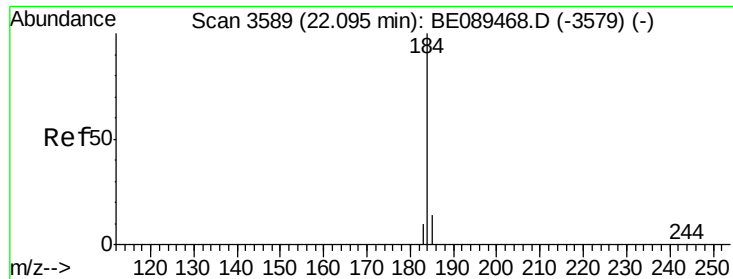
120 17.2 13.8 20.6

236 25.2 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.67 ng

RT: 22.09 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

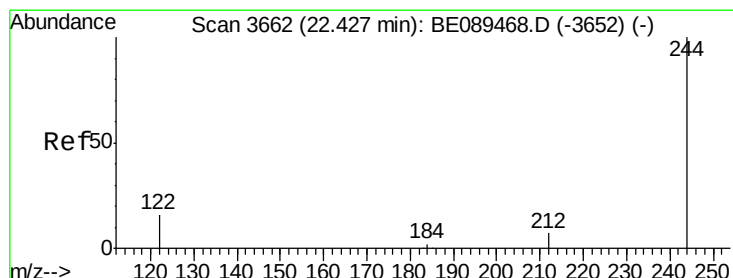
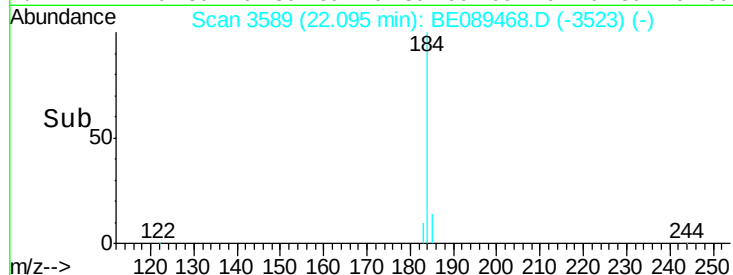
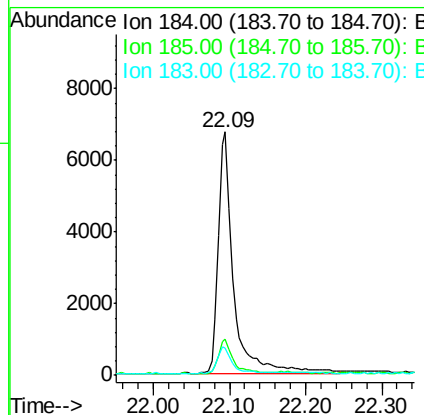
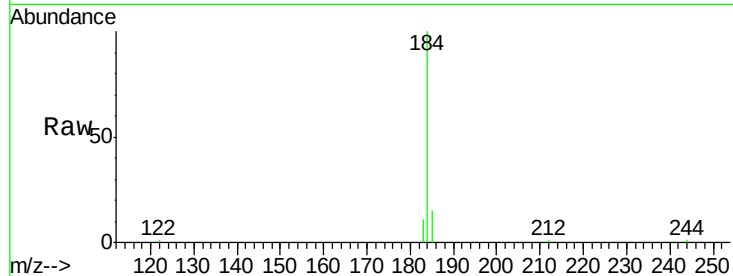
LabSampleId :

SSTDICCC001

Tgt Ion:	184	Resp:	9469
Ion Ratio	Lower	Upper	
184	100		
185	15.0	12.0	18.0
183	11.2	9.0	13.4

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#22

Terphenyl-d14

Concen: 1.23 ng

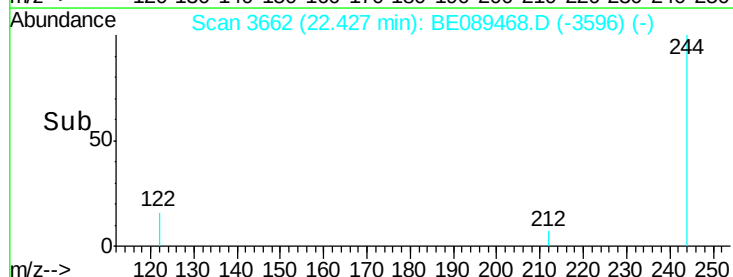
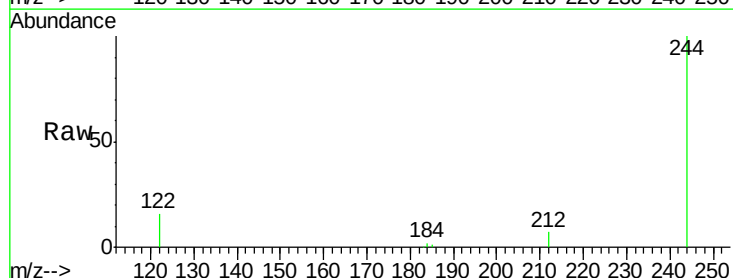
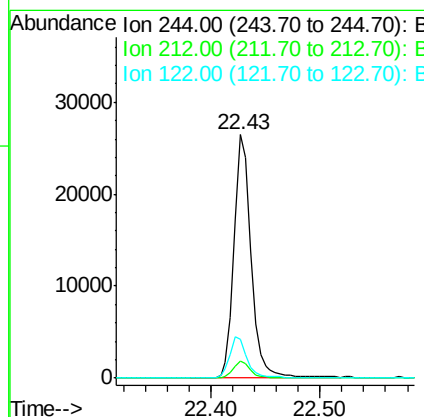
RT: 22.43 min Scan# 3662

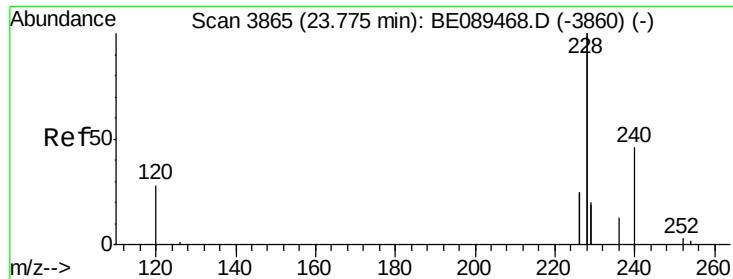
Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Tgt Ion:	244	Resp:	28053
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.5	8.3
122	15.8	12.6	19.0





#23

Benzo(a)anthracene

Concen: 1.12 ng

RT: 23.77 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

Tgt Ion: 228 Resp: 178737

Ion Ratio Lower Upper

228 100

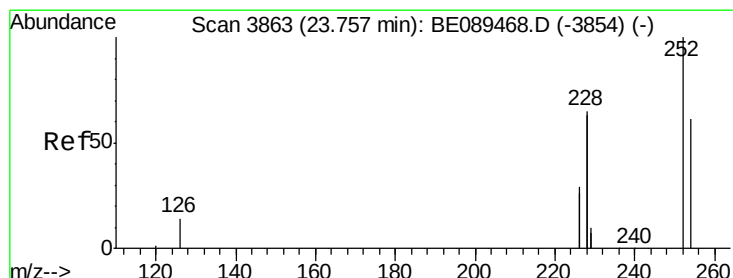
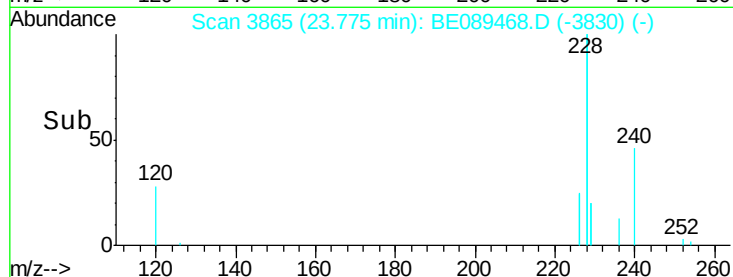
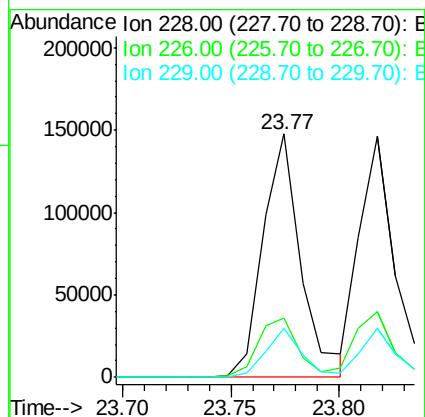
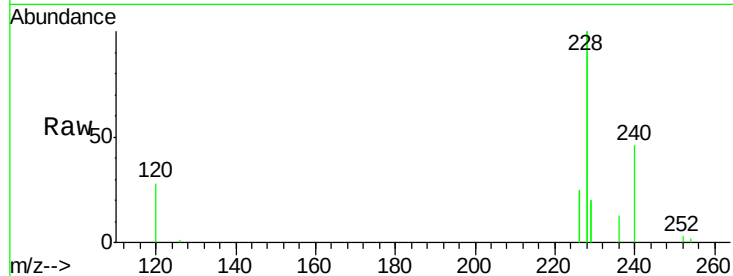
226 24.5 19.6 29.4

229 19.9 15.9 23.9

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#24

3,3'-Dichlorobenzidine

Concen: 1.01 ng

RT: 23.76 min Scan# 3863

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 3 Feb 2015 17:37

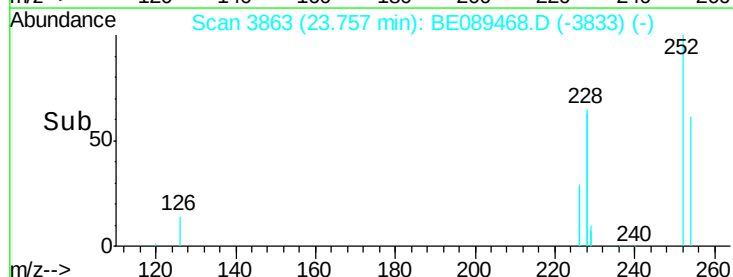
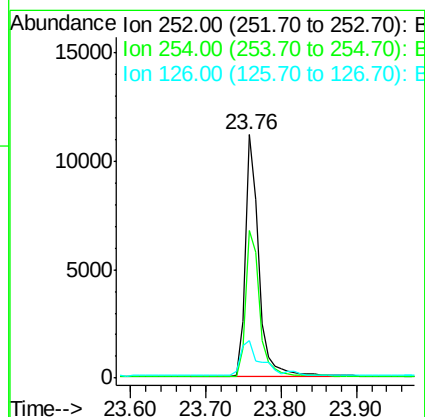
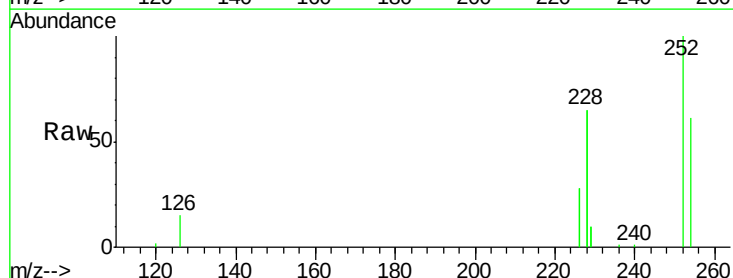
Tgt Ion: 252 Resp: 14179

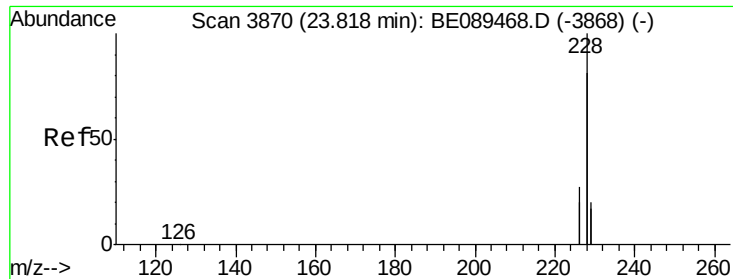
Ion Ratio Lower Upper

252 100

254 60.8 48.6 73.0

126 15.5 12.4 18.6





#25

Chrysene

Concen: 0.93 ng

RT: 23.82 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089468.D

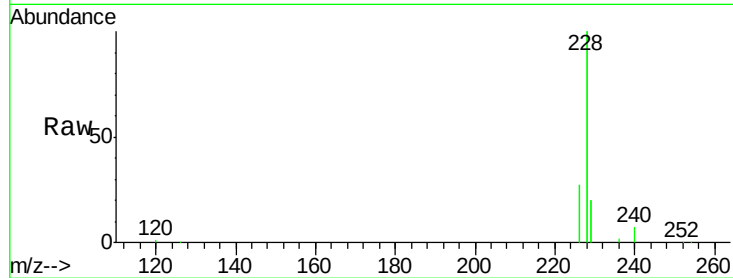
Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

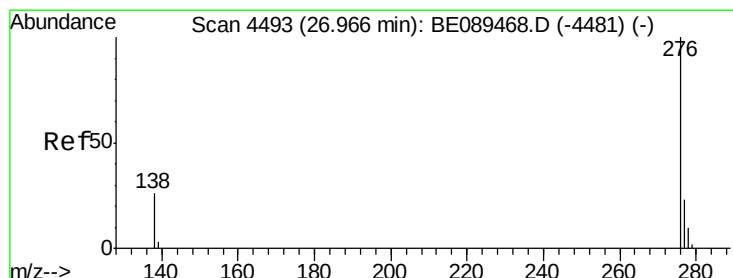
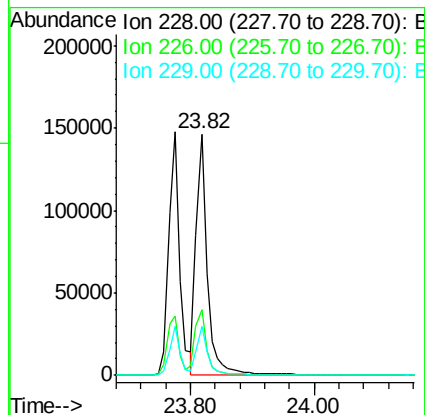
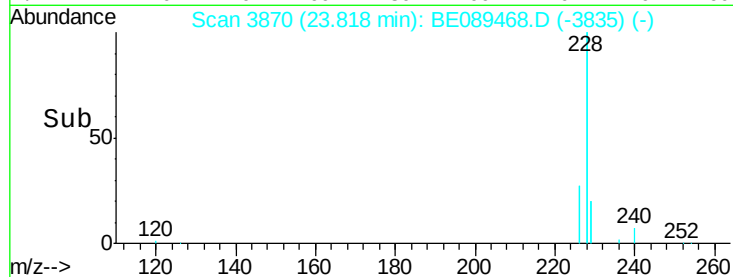
SSTDICCC001



Tgt Ion:	228	Resp:	178468
Ion Ratio	Lower	Upper	
228	100		
226	27.3	21.8	32.8
229	20.2	16.2	24.2

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#26

Indeno(1,2,3-cd)pyrene

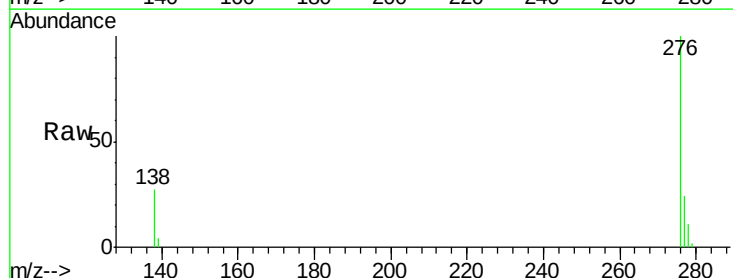
Concen: 0.77 ng

RT: 26.97 min Scan# 4493

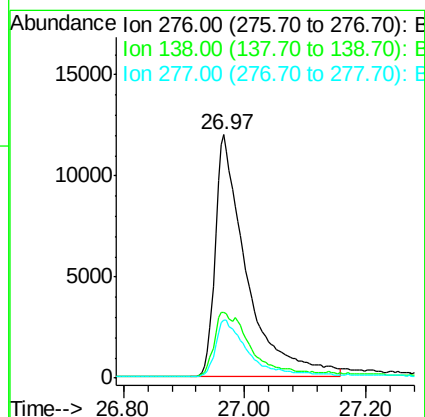
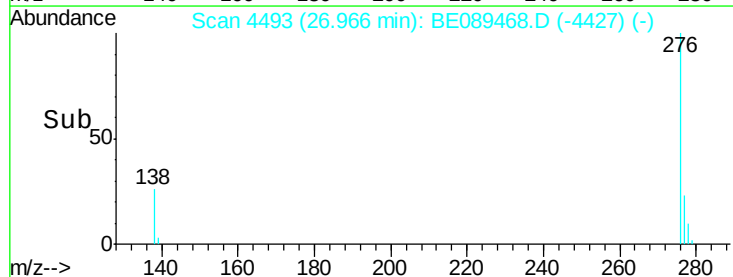
Delta R.T. 0.00 min

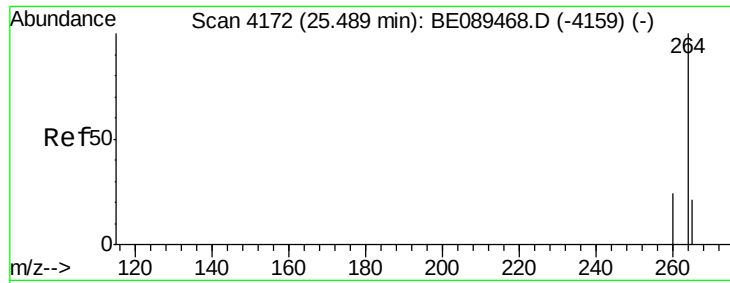
Lab File: BE089468.D

Acq: 3 Feb 2015 17:37



Tgt Ion:	276	Resp:	43391
Ion Ratio	Lower	Upper	
276	100		
138	30.3	24.2	36.4
277	24.9	19.9	29.9





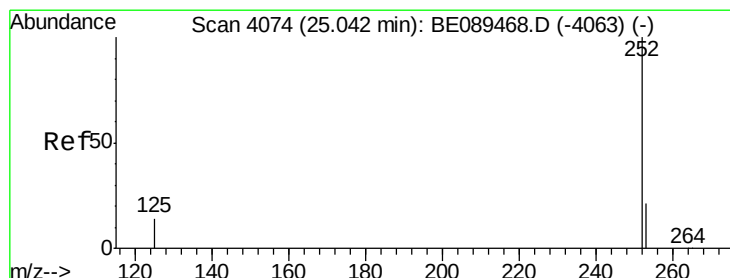
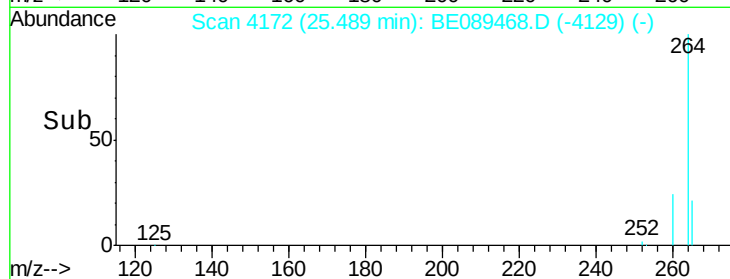
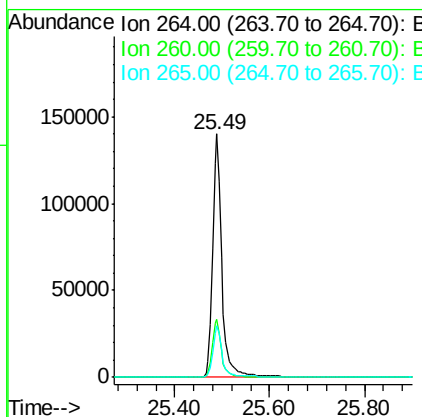
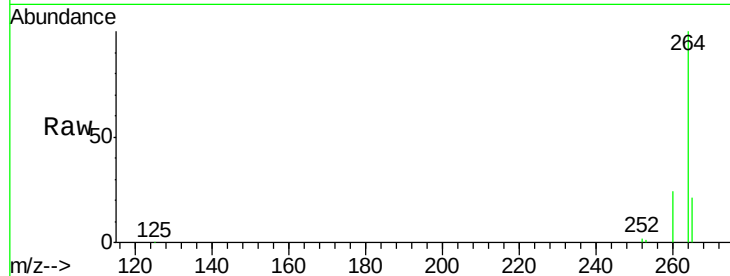
#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. 0.00 min
 Lab File: BE089468.D
 Acq: 3 Feb 2015 17:37

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	188603		
260	23.9	19.1	28.7	
265	21.3	17.0	25.6	

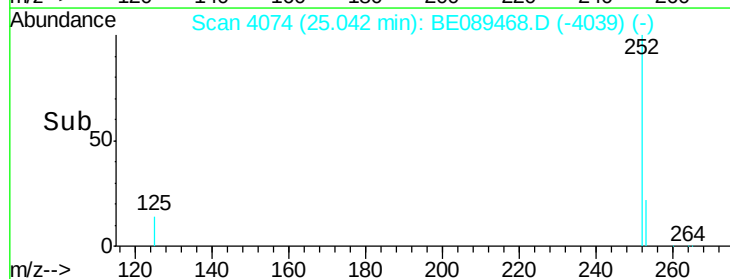
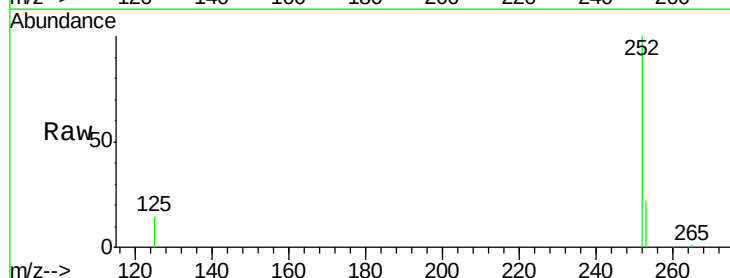
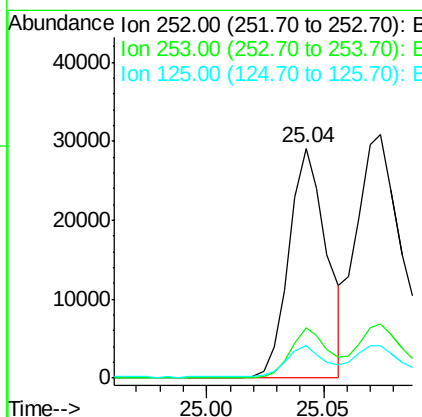
Manual Integrations
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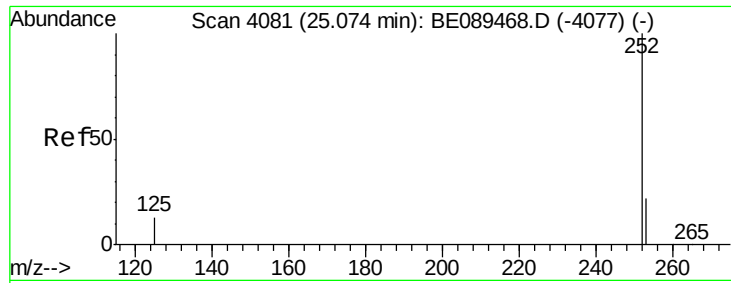
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#28
Benzo(b)fluoranthene
 Concen: 1.26 ng
 RT: 25.04 min Scan# 4074
 Delta R.T. 0.00 min
 Lab File: BE089468.D
 Acq: 3 Feb 2015 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	32536		
253	21.8	17.4	26.2	
125	14.1	11.3	16.9	





#29

Benzo(k)fluoranthene

Concen: 1.11 ng

RT: 25.07 min Scan# 4081

Delta R.T. 0.00 min

Lab File: BE089468.D

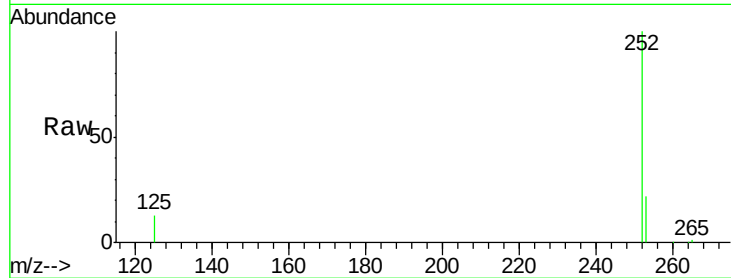
Acq: 3 Feb 2015 17:37

Instrument :

BNA_E

LabSampleId :

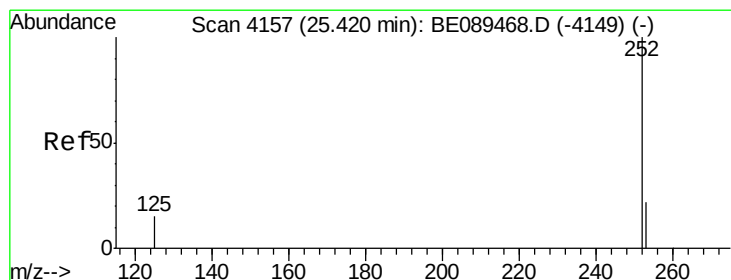
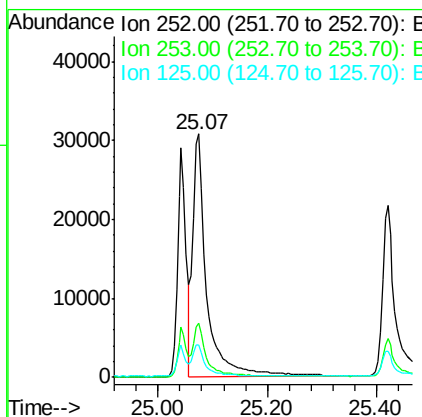
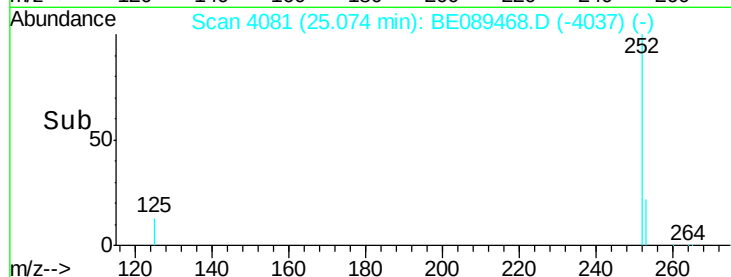
SSTDICCC001



Tgt Ion:	252	Resp:	52741
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	13.2	10.6	15.8

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#30

Benzo(a)pyrene

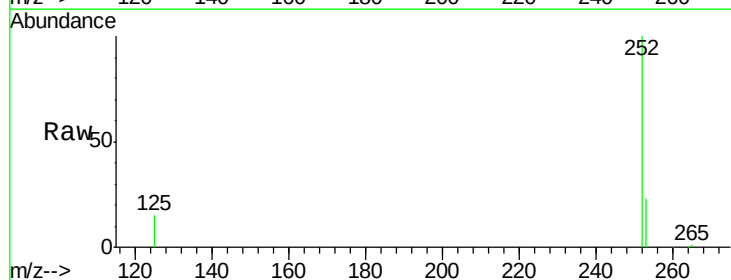
Concen: 1.17 ng

RT: 25.42 min Scan# 4157

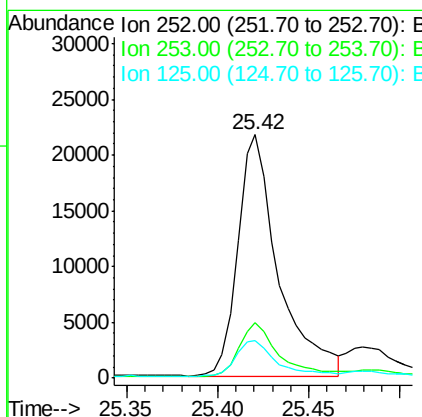
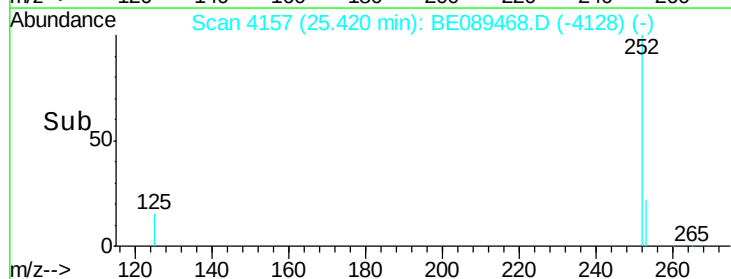
Delta R.T. 0.00 min

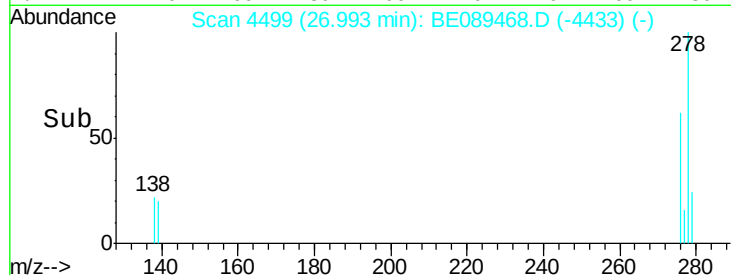
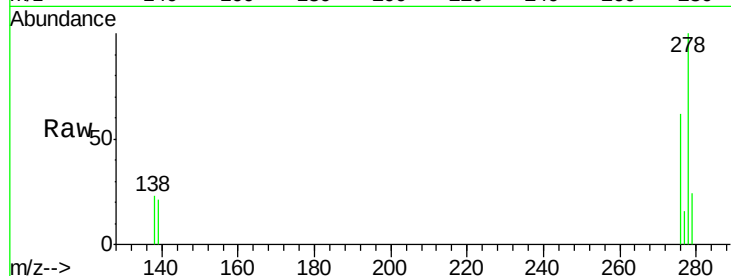
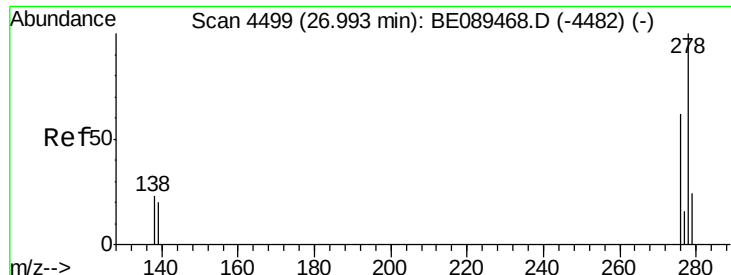
Lab File: BE089468.D

Acq: 3 Feb 2015 17:37



Tgt Ion:	252	Resp:	33659
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.2	27.2
125	15.3	12.2	18.4





#31
Dibenzo(a,h)anthracene
Concen: 1.07 ng
RT: 26.99 min Scan# 4499
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 3 Feb 2015 17:37

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.8	25.2
279	24.2	19.4	29.0

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:57 PM

