

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089409.D
 Acq On : 29 Jan 2015 10:44
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Manual Integrations
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Quant Time: Jan 30 03:36:53 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 02:34:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	152034	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	588912	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	265549	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	494933	5.00	ng	0.00
20) Chrysene-d12	23.84	240	602297	5.00	ng	0.00
27) Perylene-d12	25.55	264	645922	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	6961	0.14	ng	0.00
4) Phenol-d6	8.85	99	8411	0.14	ng	0.00
8) Nitrobenzene-d5	10.84	82	5365	0.13	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	670	0.11	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	7683	0.10	ng	0.00
22) Terphenyl-d14	22.48	244	7577	0.11	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.63	42	2392	0.09	ng	# 1
5) Phenol	8.87	94	9068	0.14	ng	# 77
6) bis(2-Chloroethyl)ether	9.06	93	6869	0.15	ng	# 96
9) Nitrobenzene	10.89	77	6006	0.13	ng	99
10) 2,4-Dimethylphenol	11.82	122	4495	0.12	ng	95
11) 2,4-Dichlorophenol	12.21	162	3132	0.11	ng	92
12) Hexachlorobutadiene	12.89	225	2119	0.11	ng	97
18) Hexachlorobenzene	19.23	284	2817	0.12	ng	# 90
19) Pentachlorophenol	19.66	266	350	0.08	ng	# 84
21) Benzidine	22.14	184	13665	0.28	ng	99
23) Benzo(a)anthracene	23.83	228	50946m	0.09	ng	
24) 3,3'-Dichlorobenzidine	23.81	252	2962	0.07	ng	# 94
25) Chrysene	23.87	228	70535	0.10	ng	97
26) Indeno(1,2,3-cd)pyrene	27.05	276	6479m	0.04	ng	
28) Benzo(b)fluoranthene	25.09	252	3955	0.05	ng	# 84
29) Benzo(k)fluoranthene	25.12	252	12017m	0.06	ng	
30) Benzo(a)pyrene	25.48	252	4481	0.05	ng	# 86
31) Dibenzo(a,h)anthracene	27.08	278	3442	0.03	ng	# 90

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

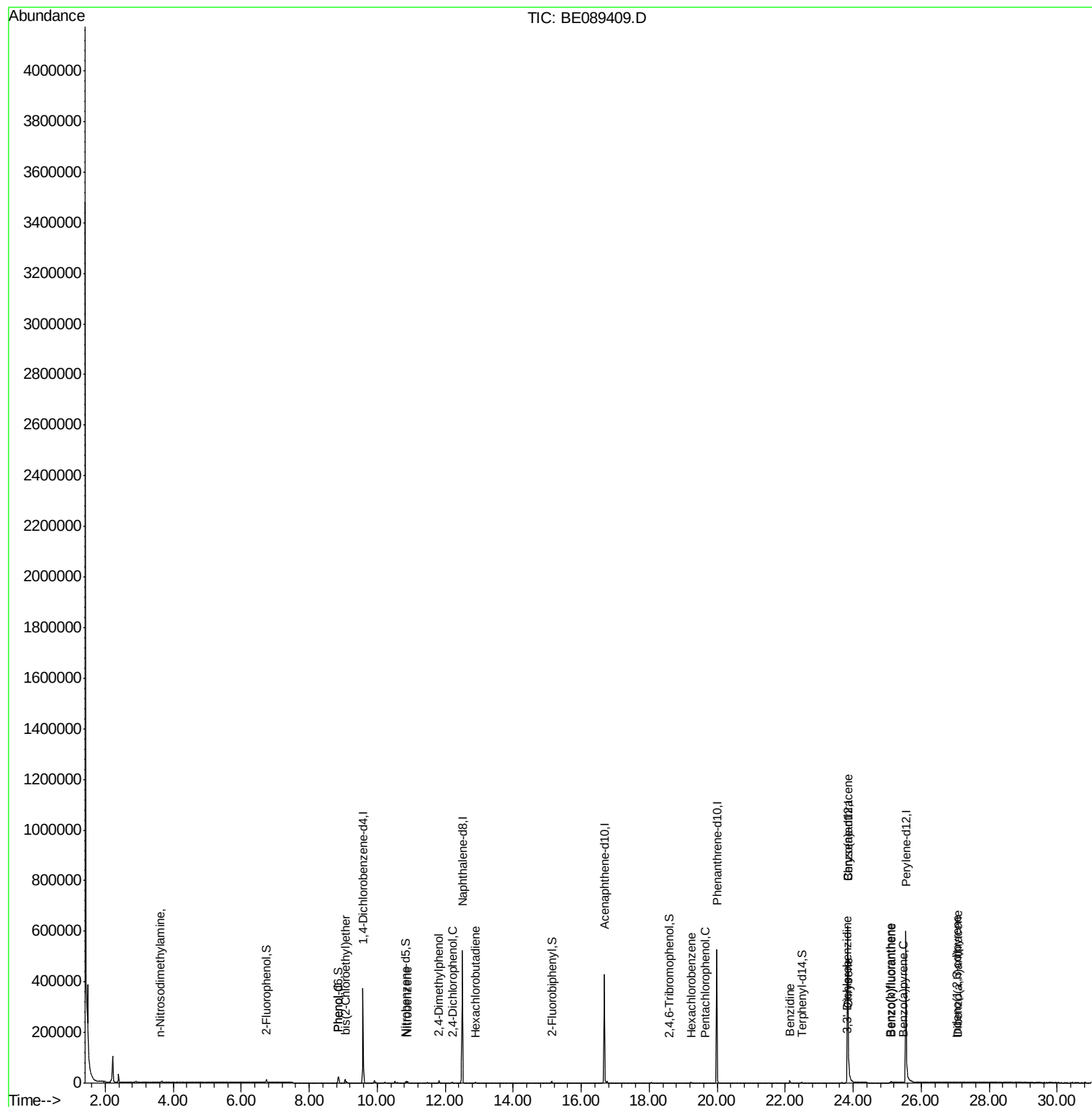
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
Data File : BE089409.D
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ALS Vial : 2 Sample Multiplier: 1

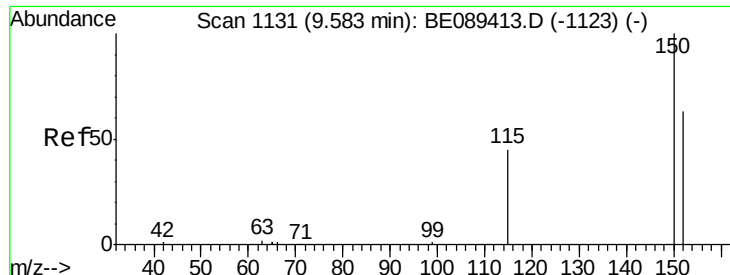
Instrument :
BNA_E
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Quant Time: Jan 30 03:36:53 2015
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QLast Update : Fri Jan 30 02:34:28 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089409.D

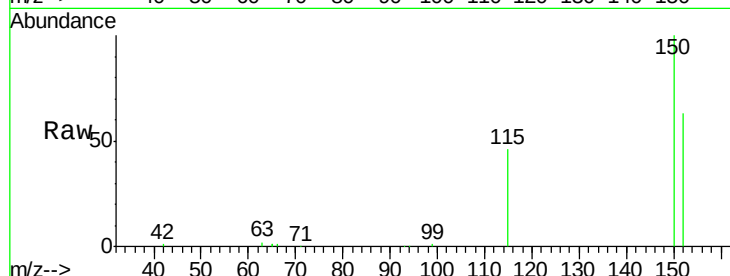
Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1



Tgt Ion: 152 Resp: 152034

Ion Ratio Lower Upper

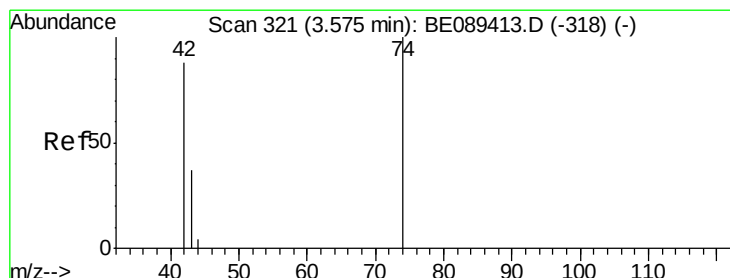
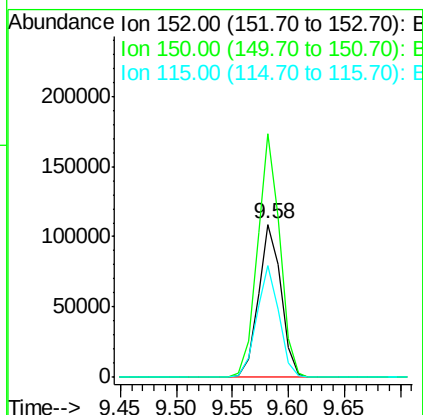
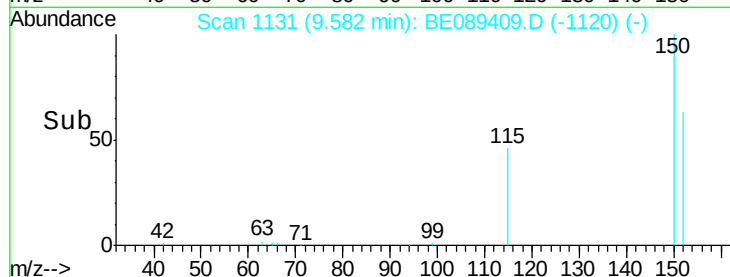
152 100

150 159.1 126.1 189.1

115 72.9 57.1 85.7

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#2

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.63 min Scan# 329

Delta R.T. 0.06 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

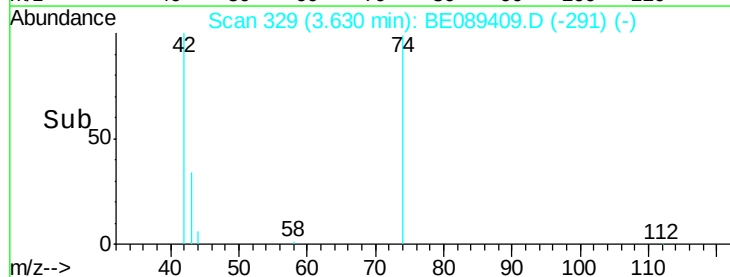
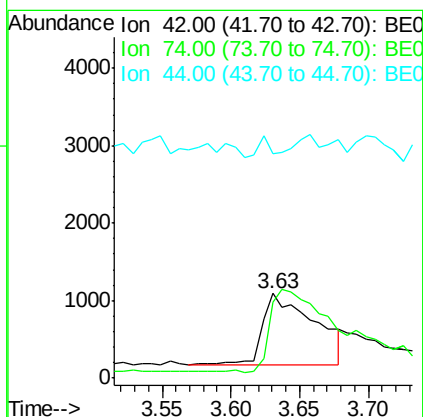
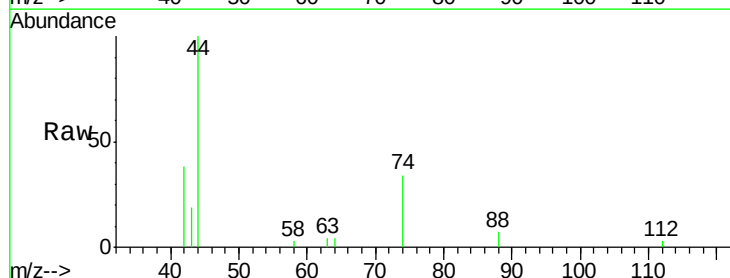
Tgt Ion: 42 Resp: 2392

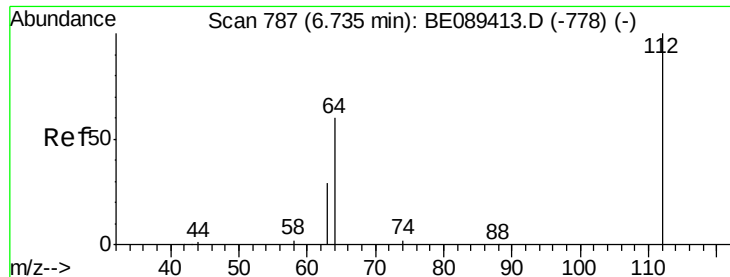
Ion Ratio Lower Upper

42 100

74 89.9 90.2 135.2#

44 264.3 19.4 29.2#





#3

2-Fluorophenol

Concen: 0.14 ng

RT: 6.74 min Scan# 787

Delta R.T. 0.00 min

Lab File: BE089409.D

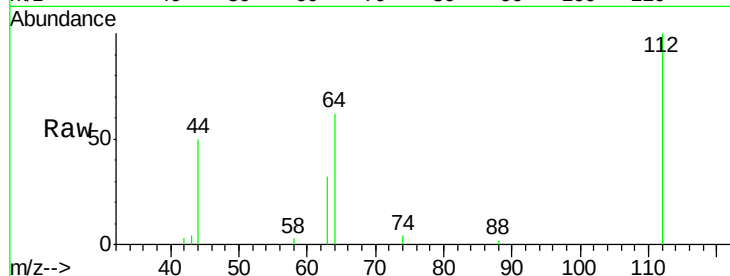
Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

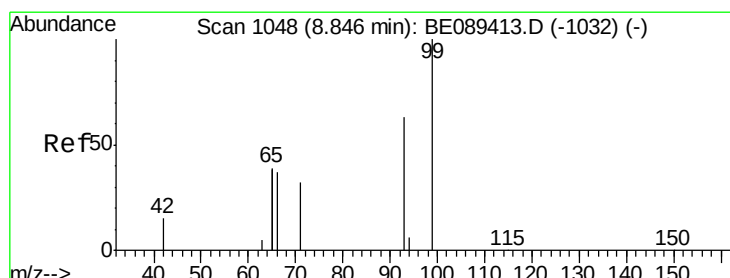
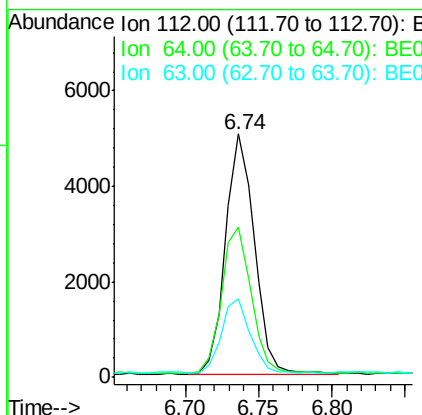
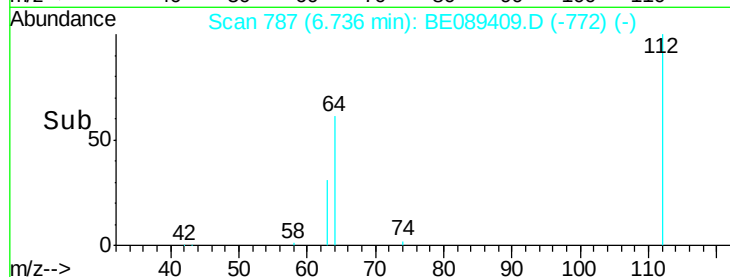
SSTDICC0.1



Tgt Ion:	112	Resp:	6961
Ion Ratio	Lower	Upper	
112	100		
64	61.8	48.2	72.4
63	32.5	23.5	35.3

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#4

Phenol-d6

Concen: 0.14 ng

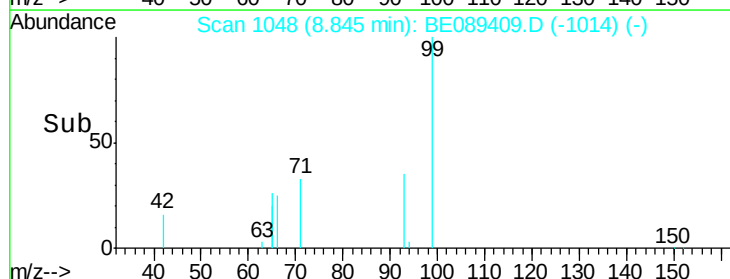
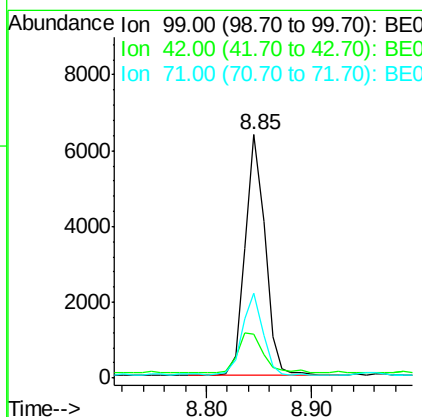
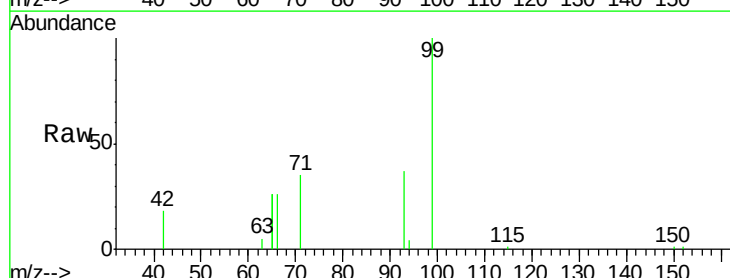
RT: 8.85 min Scan# 1048

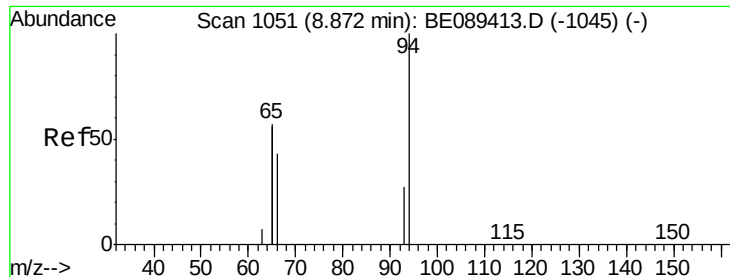
Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Tgt Ion:	99	Resp:	8411
Ion Ratio	Lower	Upper	
99	100		
42	18.1	11.9	17.9#
71	34.7	25.8	38.6





#5

Phenol

Concen: 0.14 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

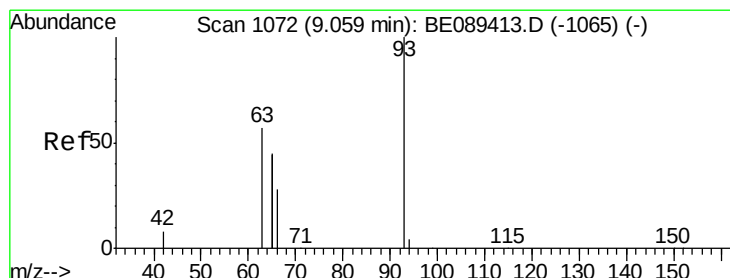
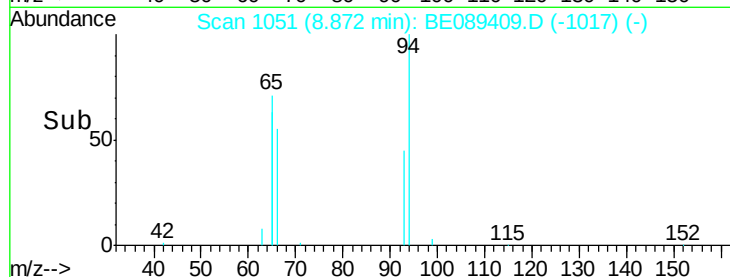
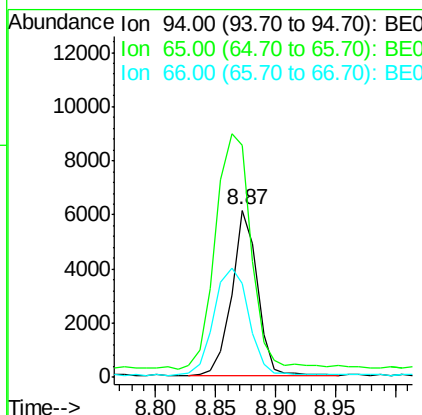
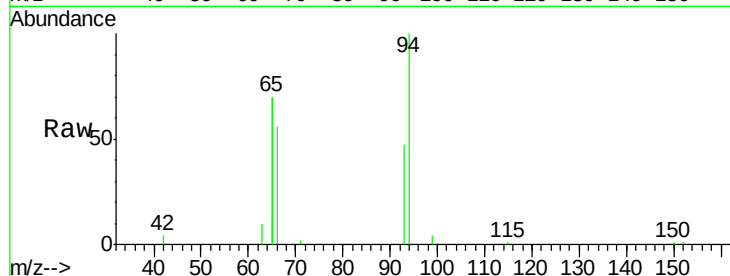
LabSampleId :

SSTDICC0.1

Tgt Ion:	94	Resp:	9068
Ion	Ratio	Lower	Upper
94	100		
65	139.4	93.3	133.3#
66	56.0	23.6	63.6

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#6

bis(2-Chloroethyl)ether

Concen: 0.15 ng

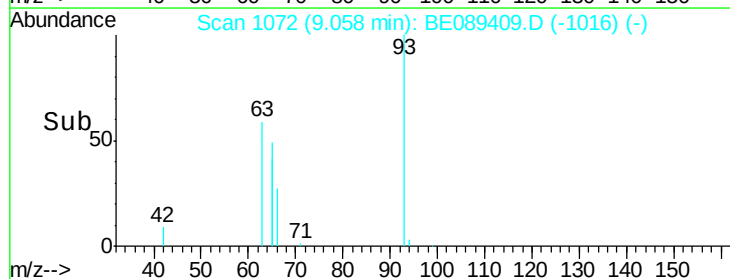
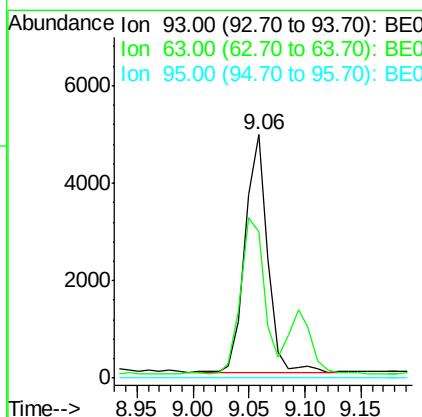
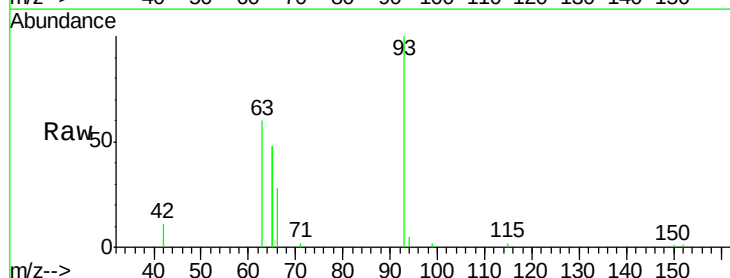
RT: 9.06 min Scan# 1072

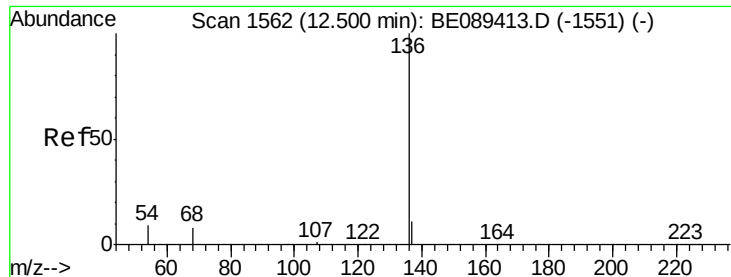
Delta R.T. -0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Tgt Ion:	93	Resp:	6869
Ion	Ratio	Lower	Upper
93	100		
63	70.1	58.6	88.0
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

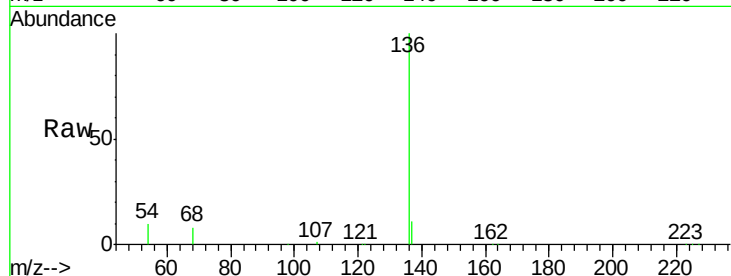
LabSampleId :

SSTDIC0.1

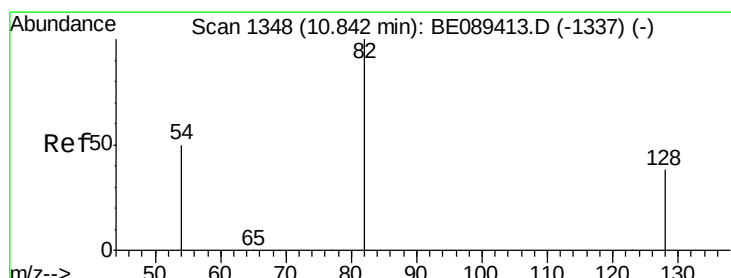
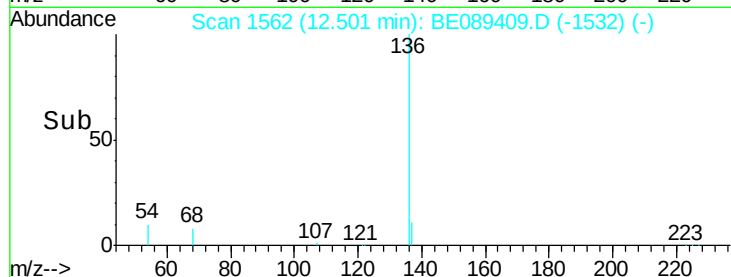
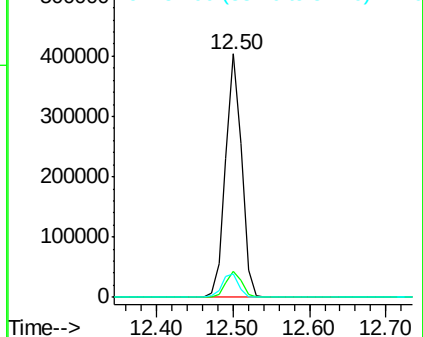
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	588912		
137	10.9	8.6	12.8	
54	9.7	7.5	11.3	

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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: 0.13 ng

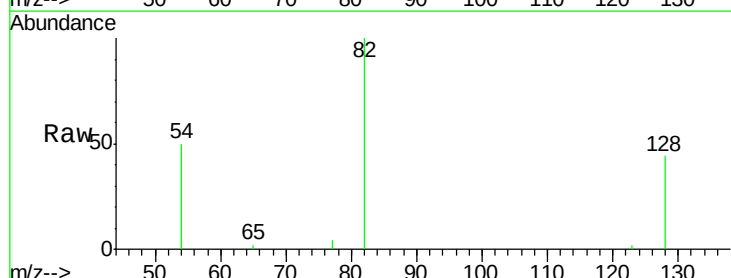
RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

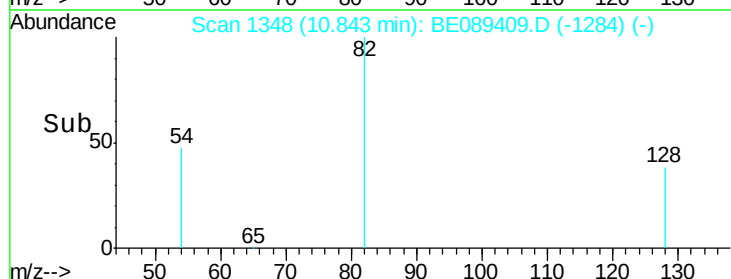
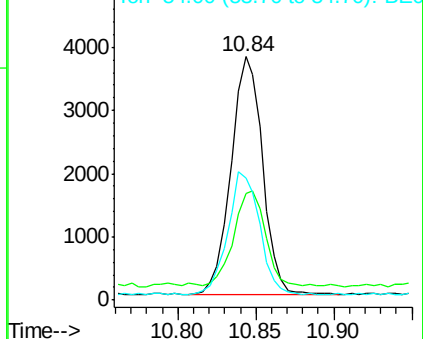
Lab File: BE089409.D

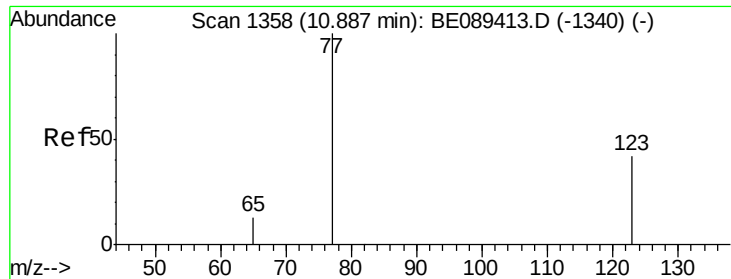
Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	5365		
128	43.7	31.0	46.4	
54	50.1	39.8	59.6	



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: 0.13 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089409.D

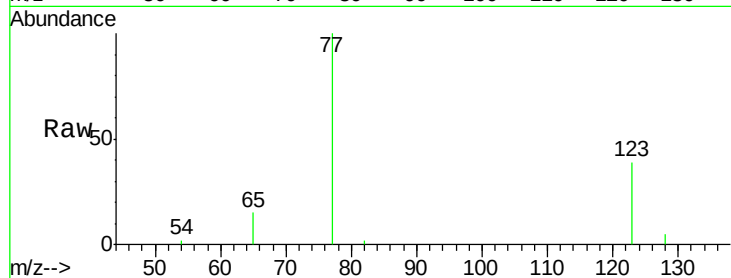
Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

LabSampleId :

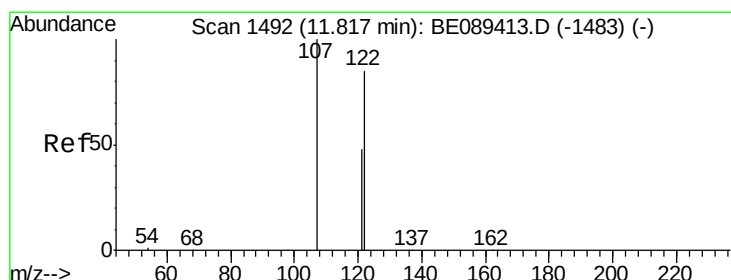
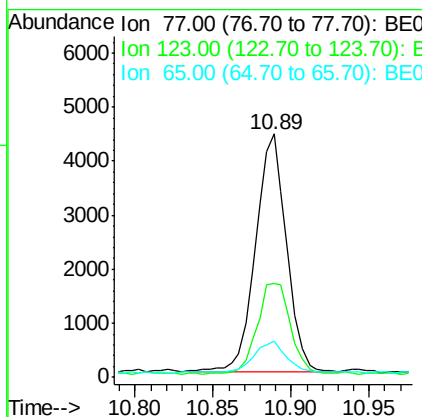
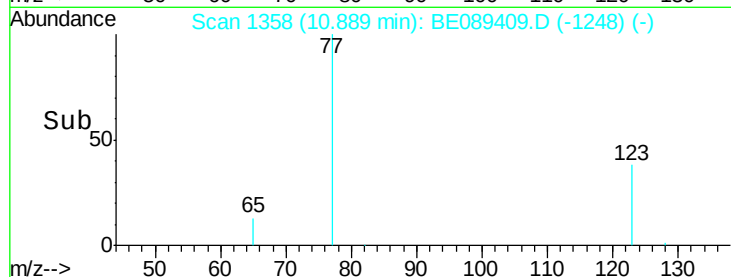
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Tgt Ion:	77	Resp:	6006
Ion	Ratio	Lower	Upper
77	100		
123	40.7	32.8	49.2
65	13.2	11.0	16.6

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#10

2,4-Dimethylphenol

Concen: 0.12 ng

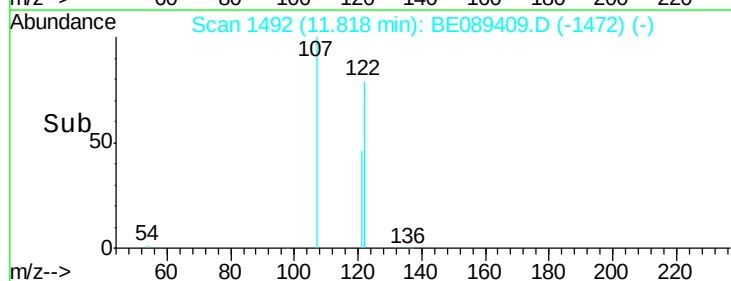
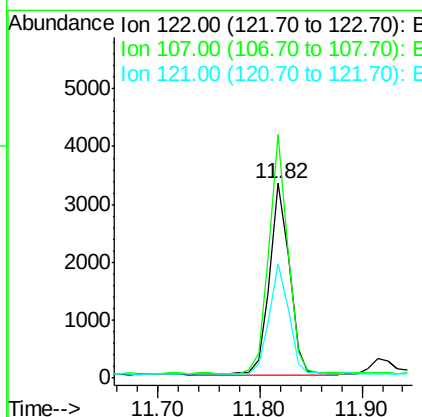
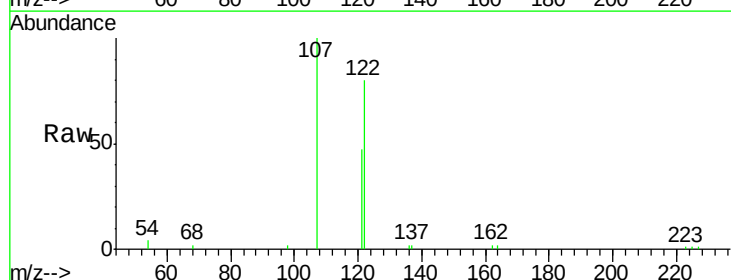
RT: 11.82 min Scan# 1492

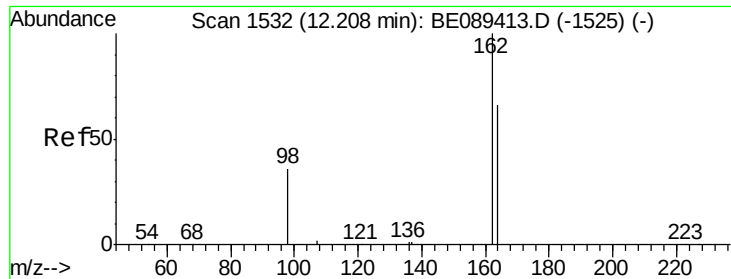
Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Tgt Ion:	122	Resp:	4495
Ion	Ratio	Lower	Upper
122	100		
107	124.9	94.6	142.0
121	58.9	45.8	68.6





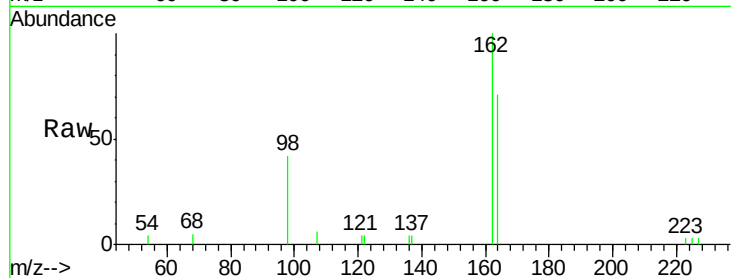
#11
2,4-Dichlorophenol
Concen: 0.11 ng
RT: 12.21 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

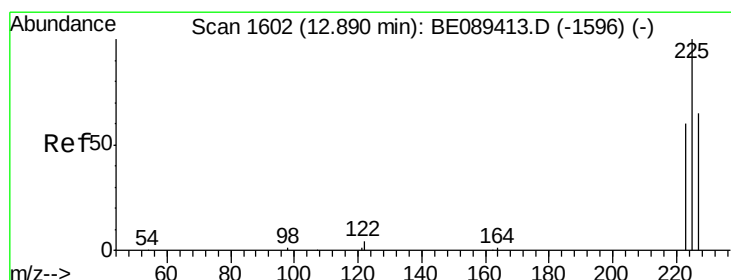
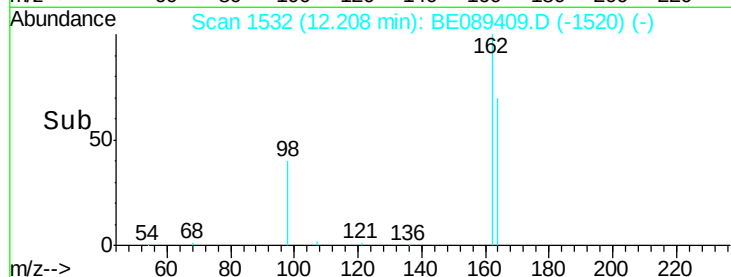
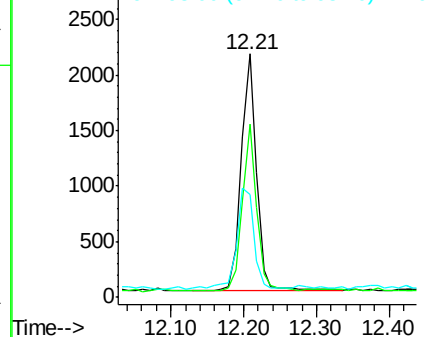
Tgt Ion:	162	Resp:	3132
Ion Ratio	Lower	Upper	
162	100		
164	71.2	46.1	86.1
98	42.1	16.2	56.2

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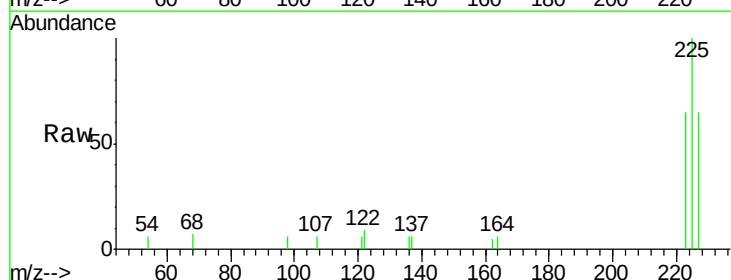


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

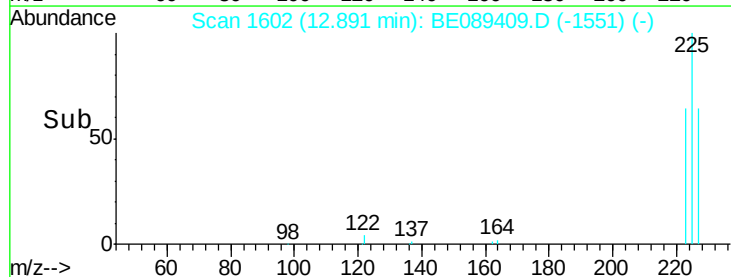
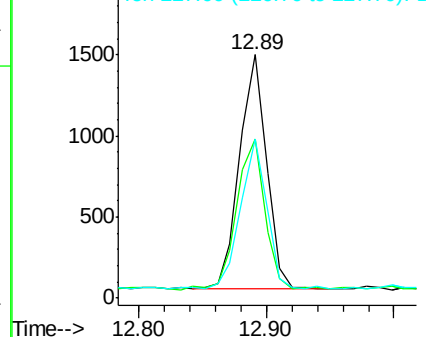


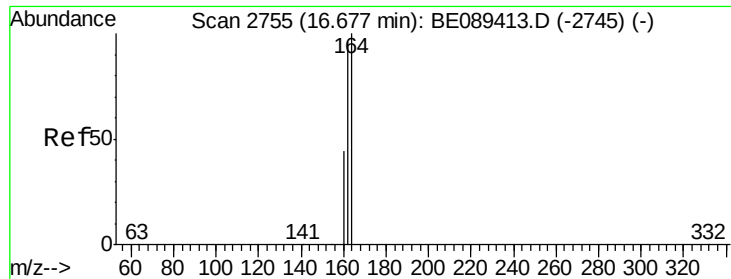
#12
Hexachlorobutadiene
Concen: 0.11 ng
RT: 12.89 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion:	225	Resp:	2119
Ion Ratio	Lower	Upper	
225	100		
223	66.4	50.4	75.6
227	61.3	50.2	75.2



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





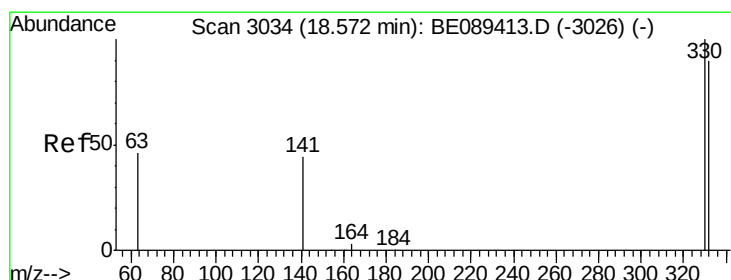
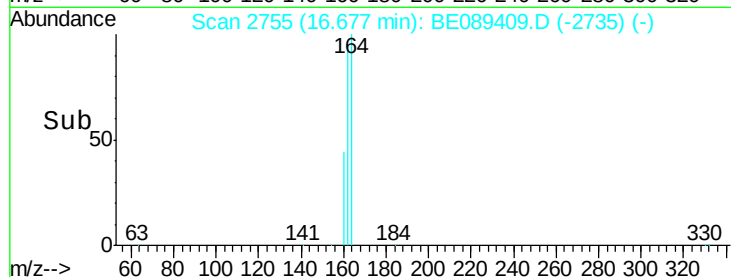
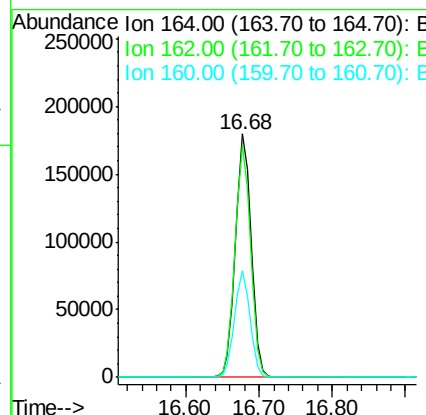
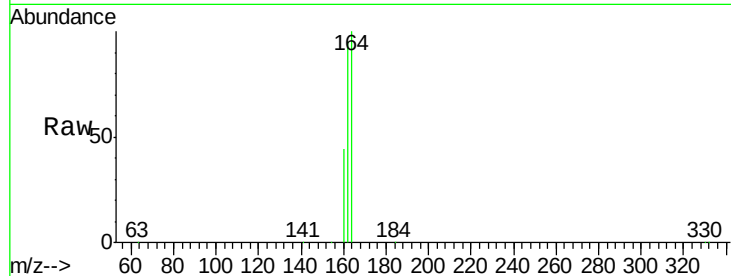
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.68 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
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LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	265549		
162	95.3	77.0	115.6	
160	43.8	35.0	52.4	

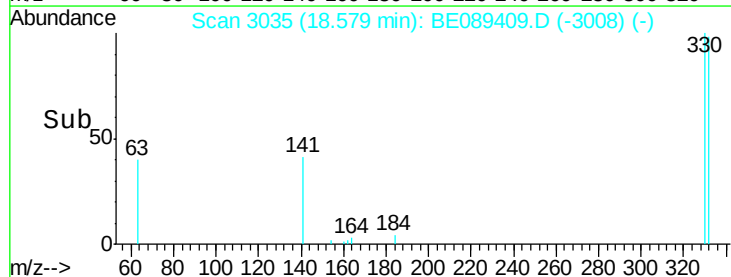
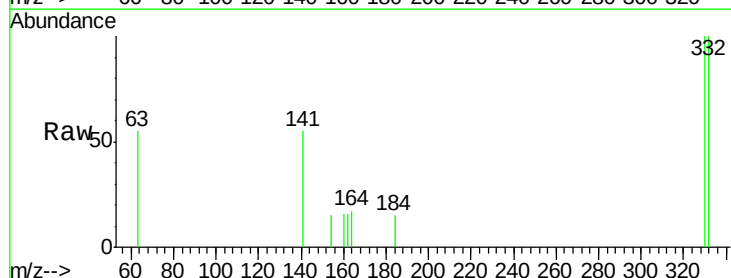
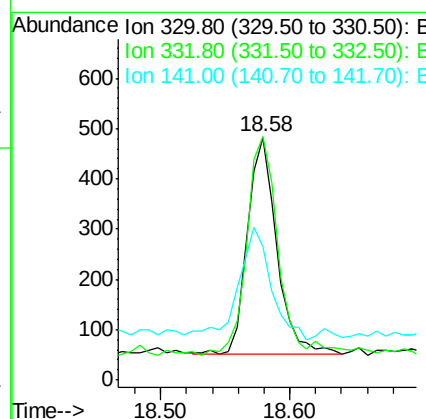
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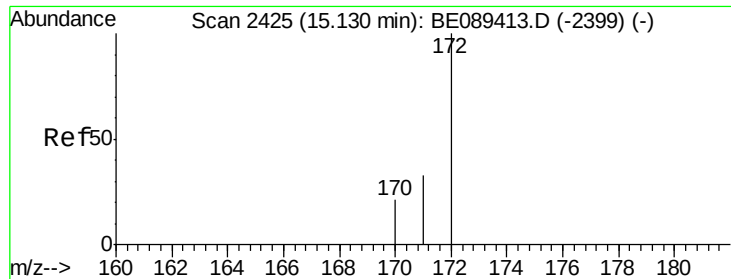
apatel
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#14
2,4,6-Tribromophenol
Concen: 0.11 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	670		
332	104.0	76.0	114.0	
141	59.7	35.6	53.4	





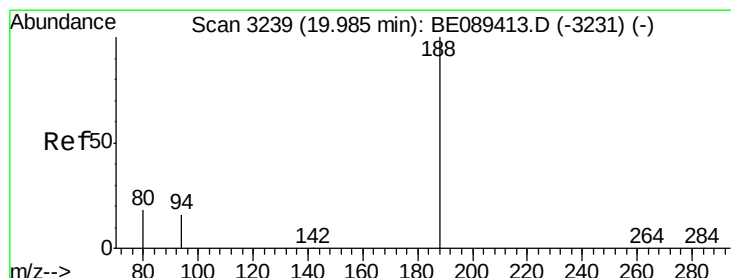
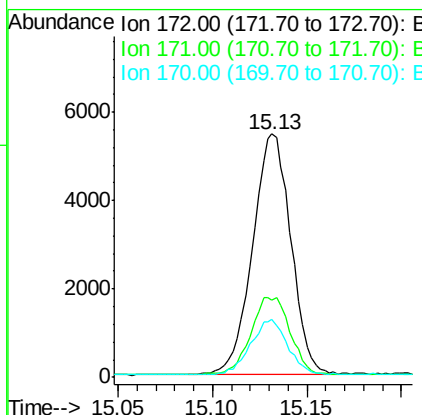
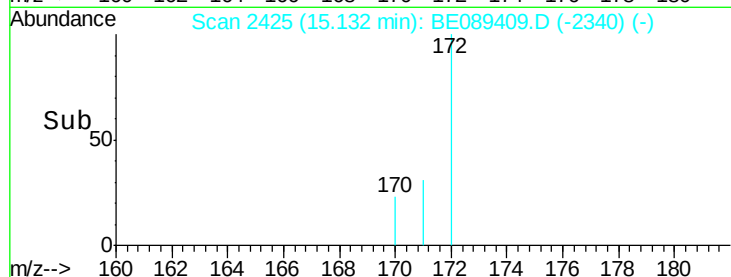
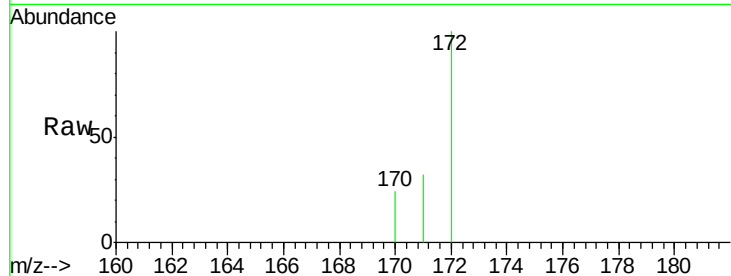
#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.5	26.6	39.8
170	23.7	17.1	25.7

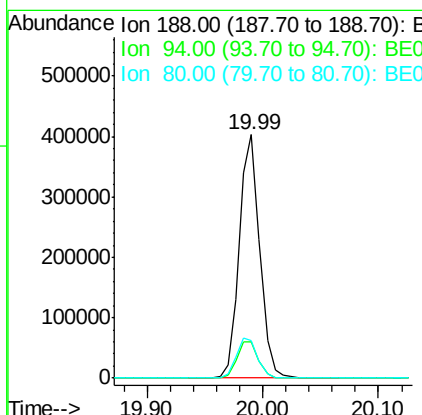
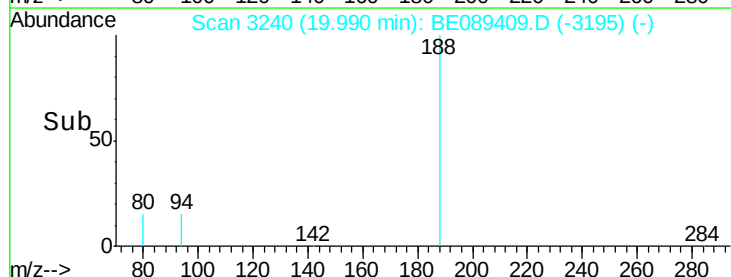
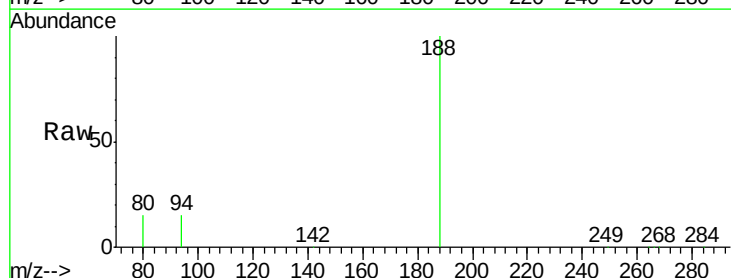
Manual Integrations
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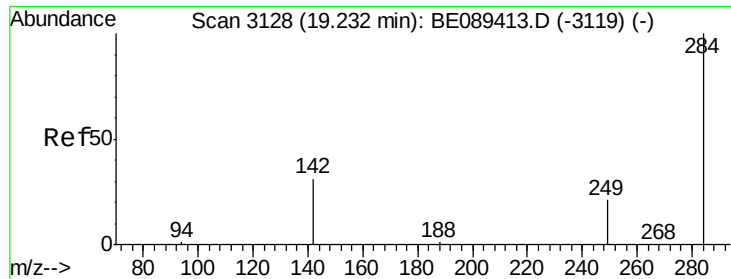
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#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.8	13.0	19.6
80	15.4	14.2	21.4





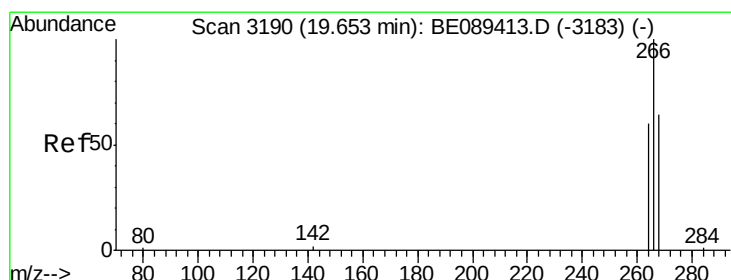
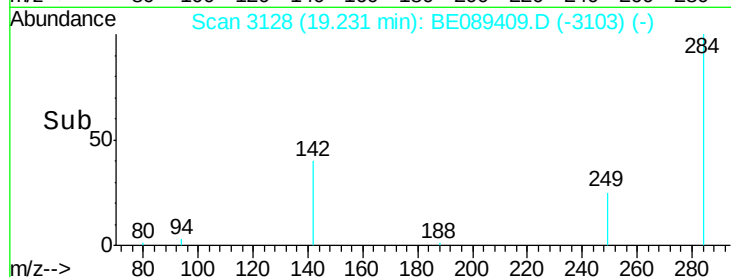
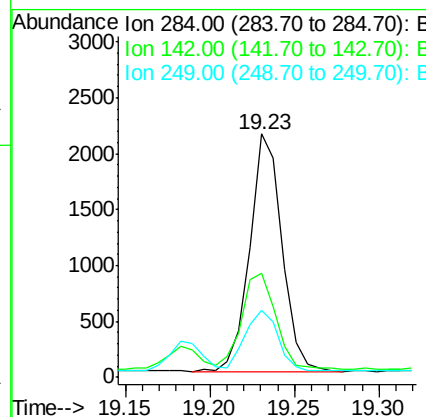
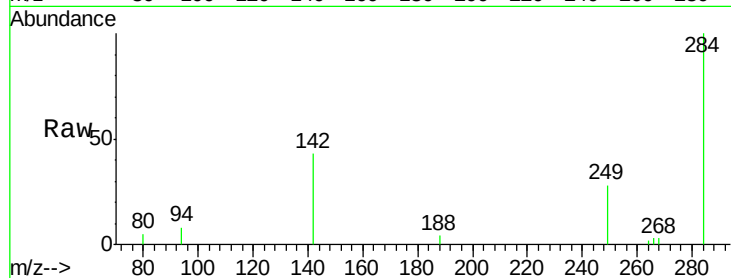
#18
Hexachlorobenzene
Concen: 0.12 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	2817		
142	42.7	28.3	42.5#	
249	27.6	19.9	29.9	

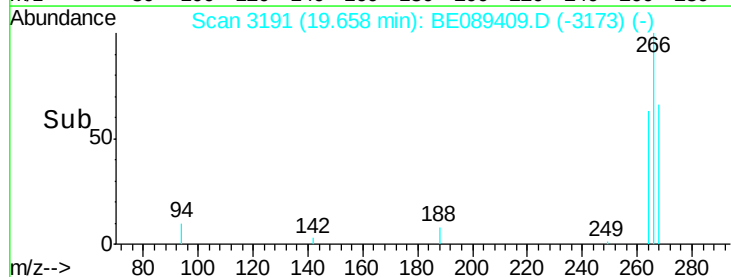
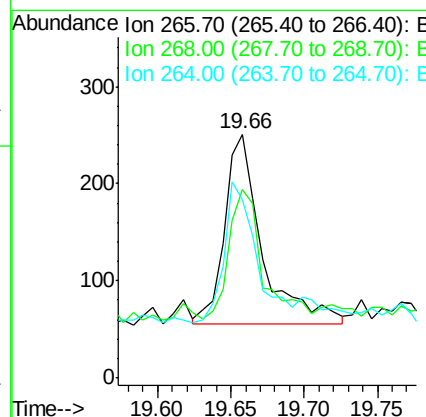
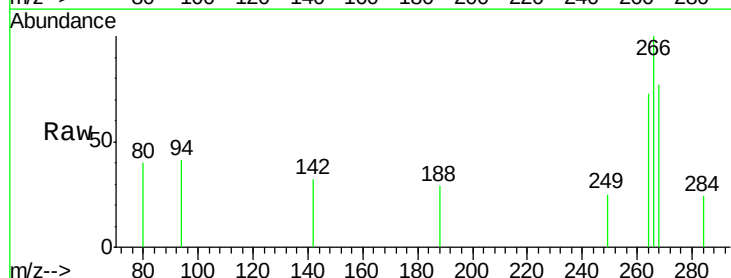
Manual Integrations
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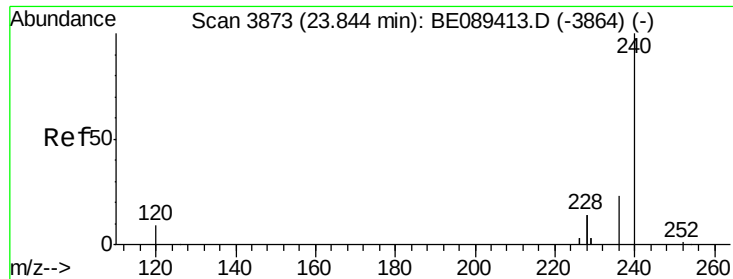
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#19
Pentachlorophenol
Concen: 0.08 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	350		
268	77.3	51.9	77.9	
264	73.3	48.5	72.7#	





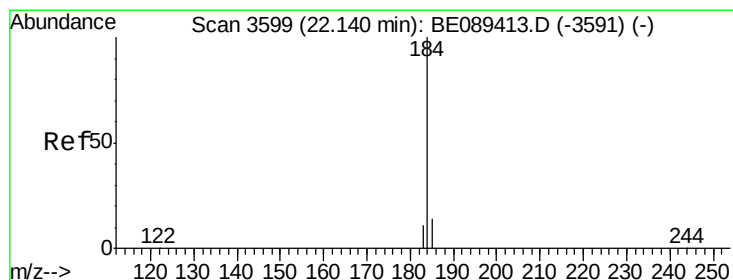
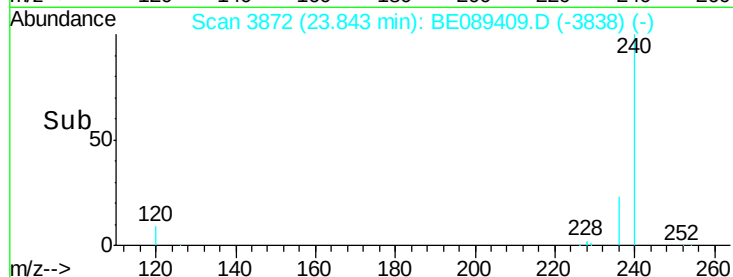
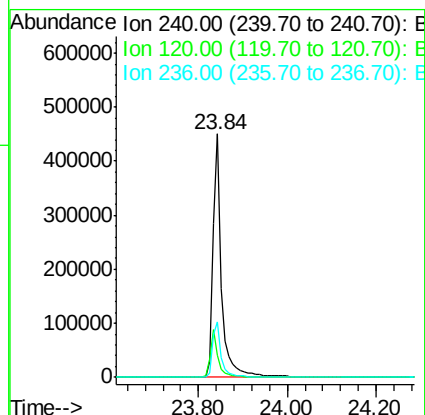
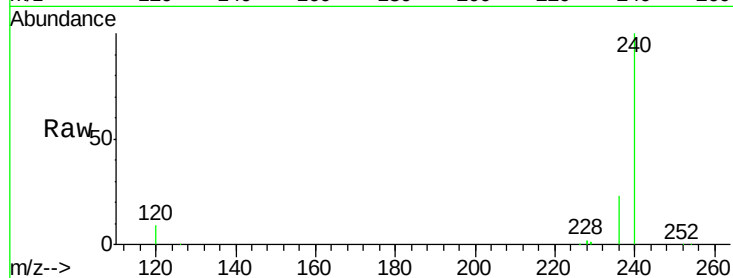
#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3872
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	602297		
120	9.1	6.9	10.3	
236	22.9	18.2	27.2	

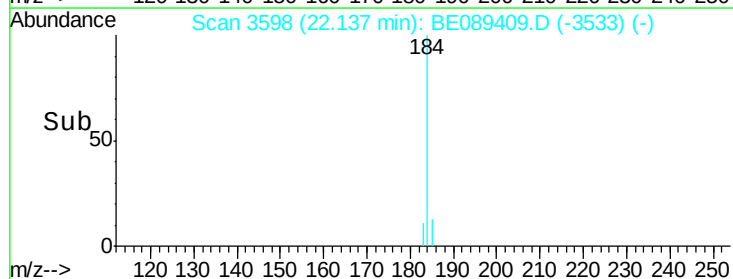
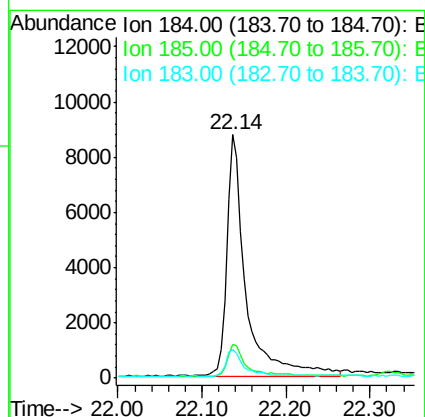
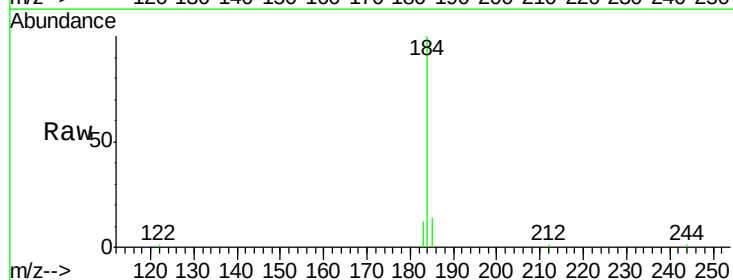
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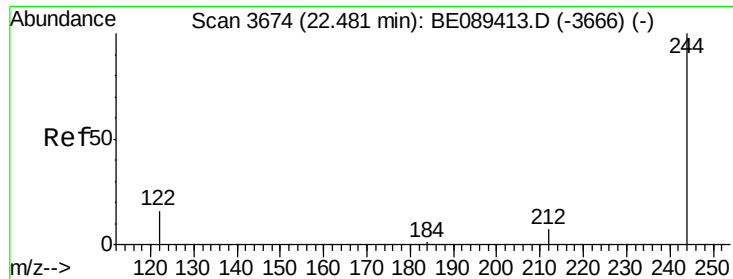
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#21
Benzidine
Concen: 0.28 ng
RT: 22.14 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	13665		
185	14.0	11.0	16.6	
183	11.8	8.6	13.0	





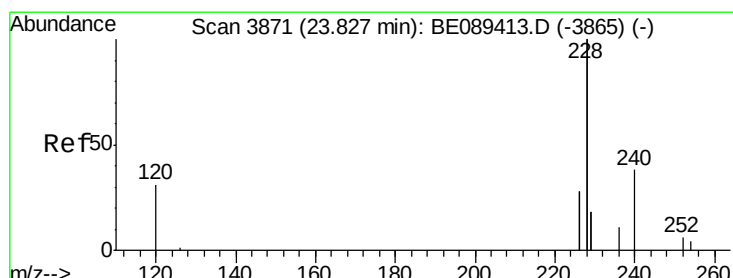
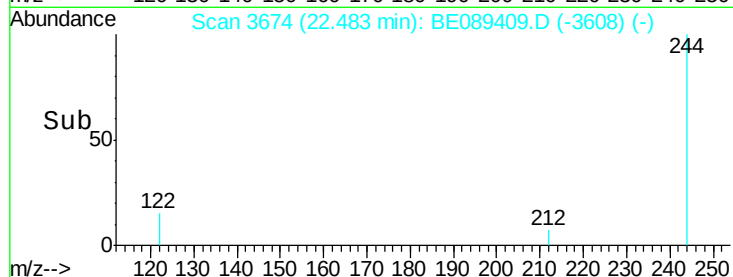
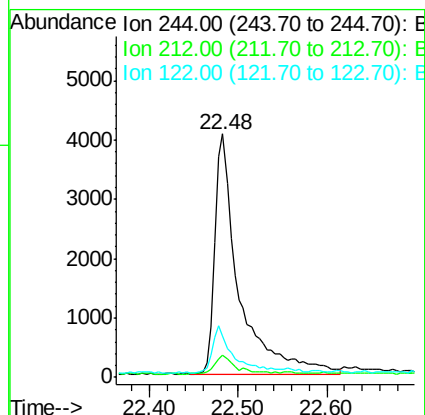
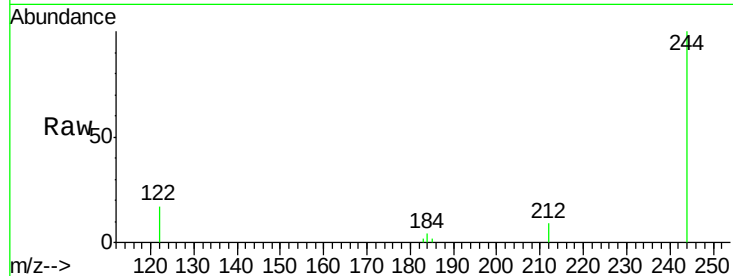
#22
 Terphenyl-d14
 Concen: 0.11 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion: 244 Resp: 7577
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.4 8.0#
 122 17.0 13.2 19.8

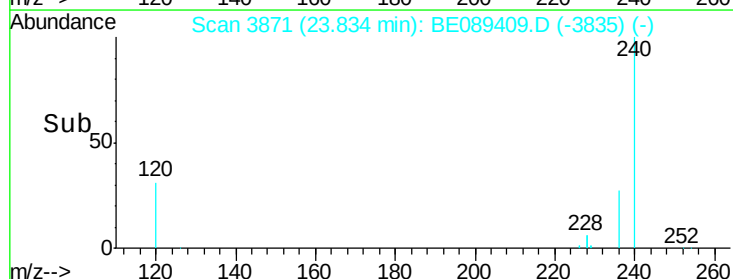
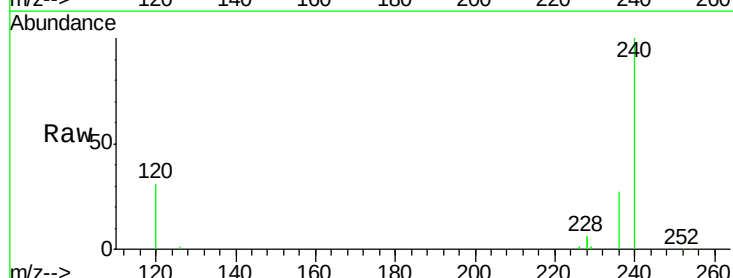
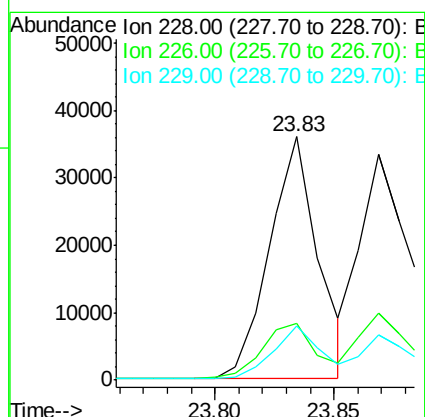
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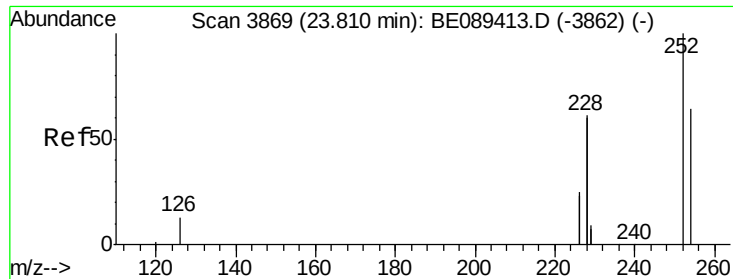
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#23
 Benzo(a)anthracene
 Concen: 0.09 ng m
 RT: 23.83 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Tgt Ion: 228 Resp: 50946
 Ion Ratio Lower Upper
 228 100
 226 23.1 22.6 33.8
 229 22.1 14.5 21.7#





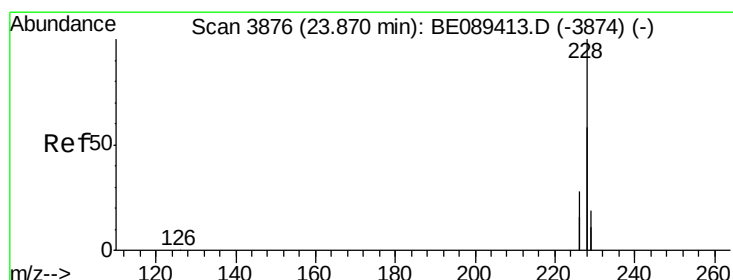
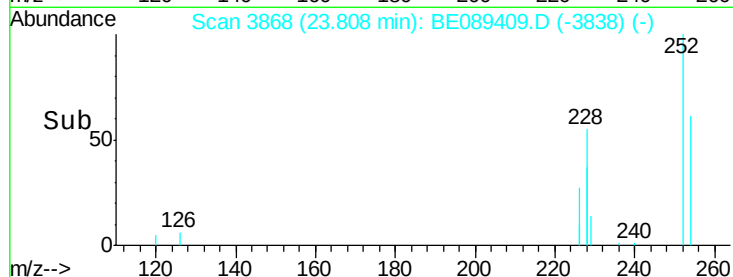
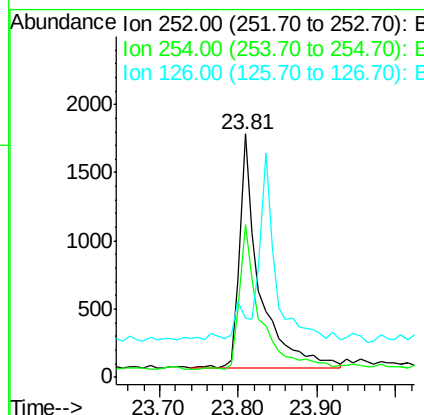
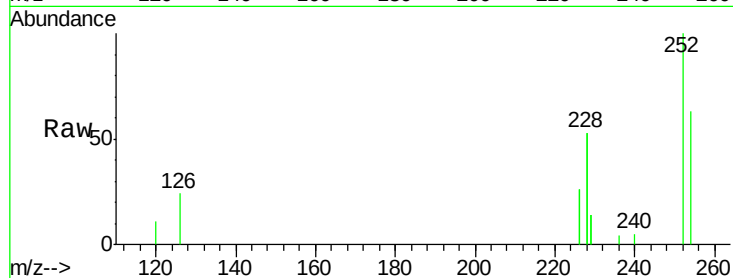
#24
 3,3'-Dichlorobenzidine
 Concen: 0.07 ng
 RT: 23.81 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.7	51.1	76.7
126	24.1	11.5	17.3

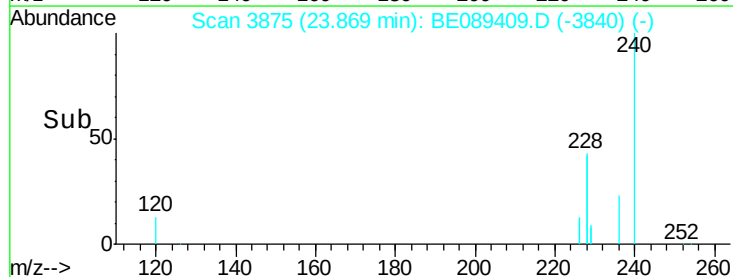
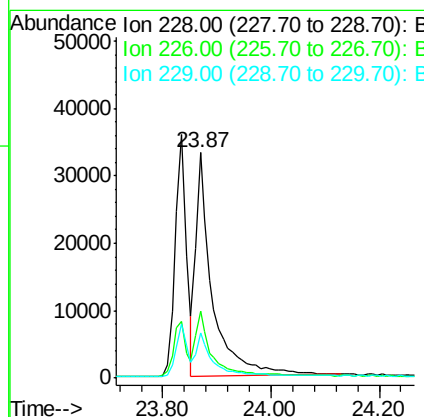
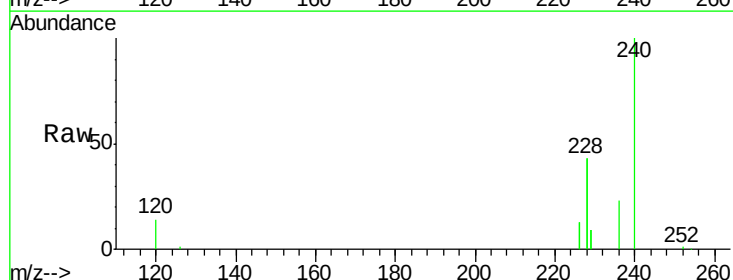
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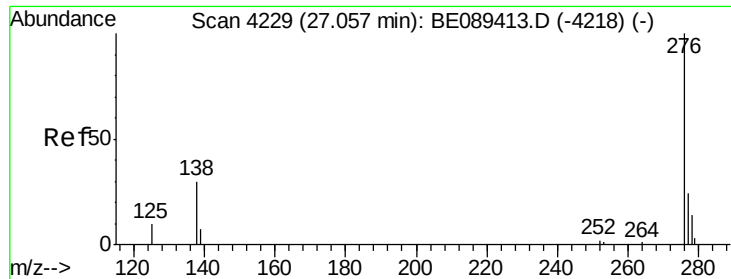
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#25
 Chrysene
 Concen: 0.10 ng
 RT: 23.87 min Scan# 3875
 Delta R.T. -0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.1	15.5	23.3





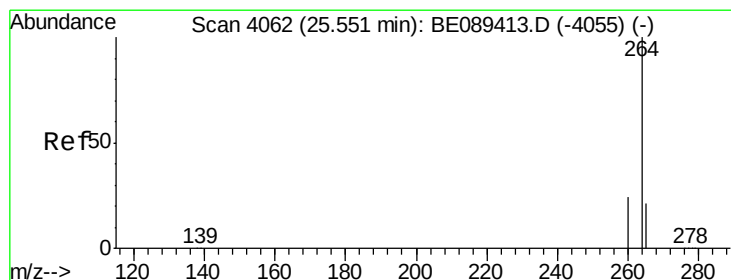
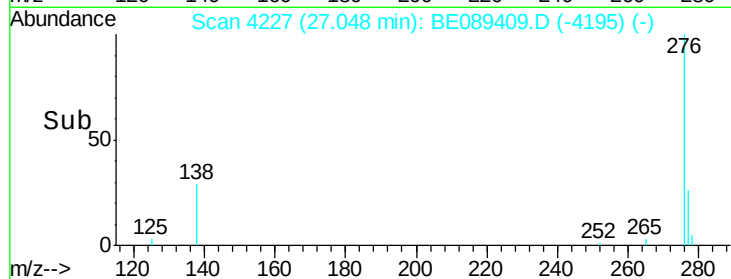
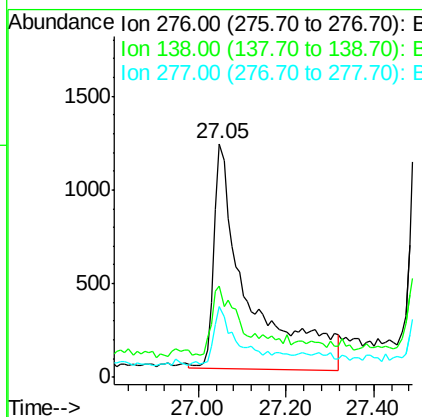
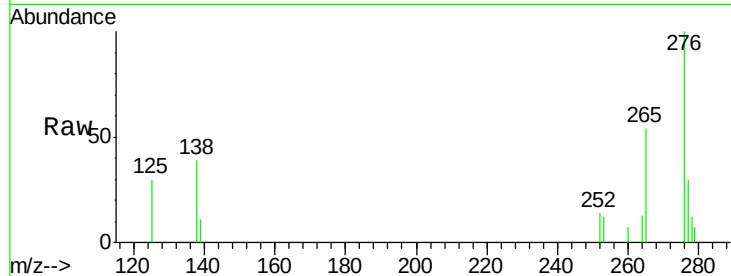
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng m
 RT: 27.05 min Scan# 4227
 Delta R.T. -0.01 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	0.0	0.0#
277	16.0	0.0	0.0#

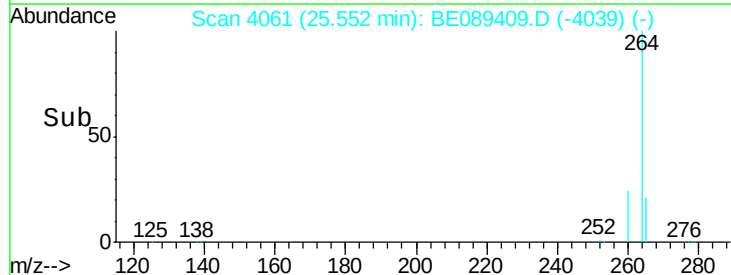
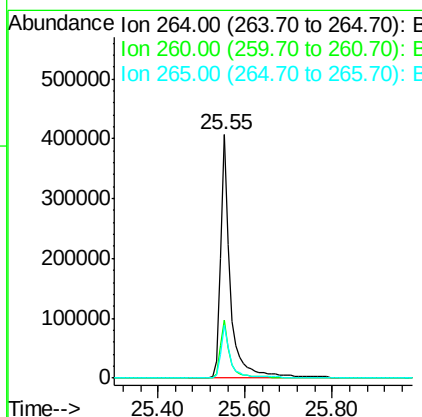
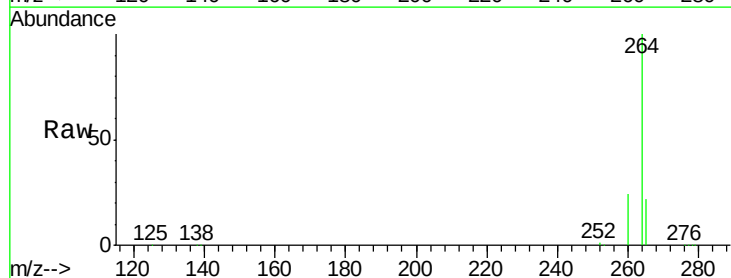
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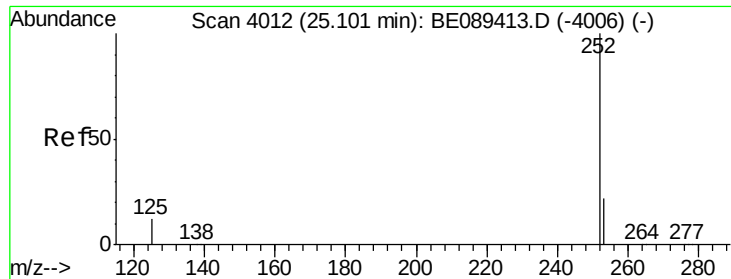
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#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: BE089409.D
 Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.5	17.1	25.7





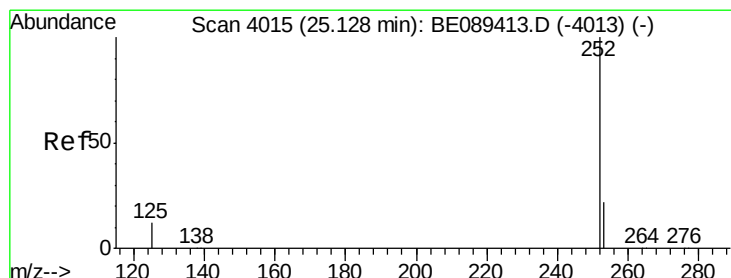
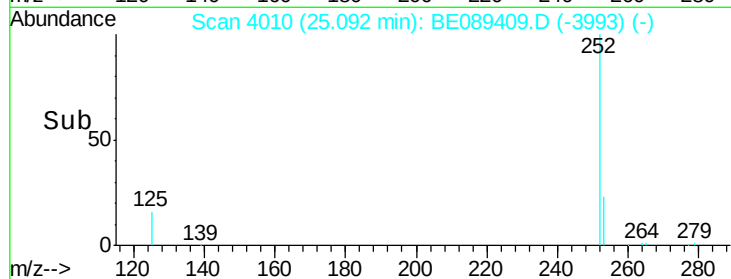
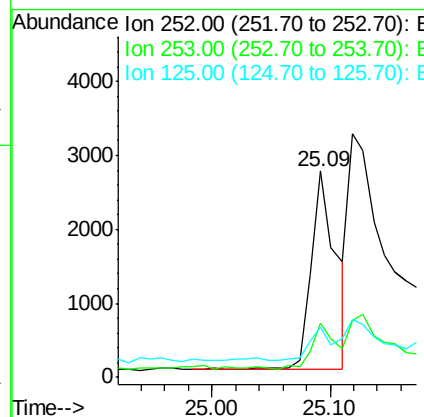
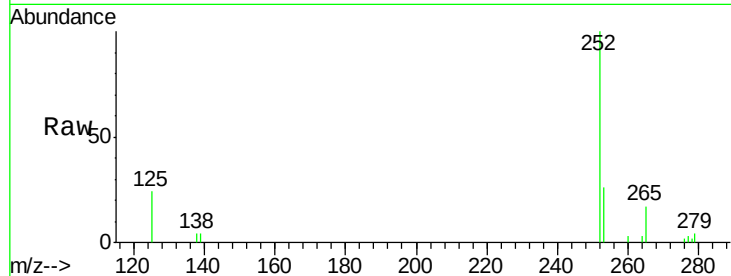
#28
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 25.09 min Scan# 4010
Delta R.T. -0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Instrument :
BNA_E
LabSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.6	26.4#
125	24.5	10.5	15.7#

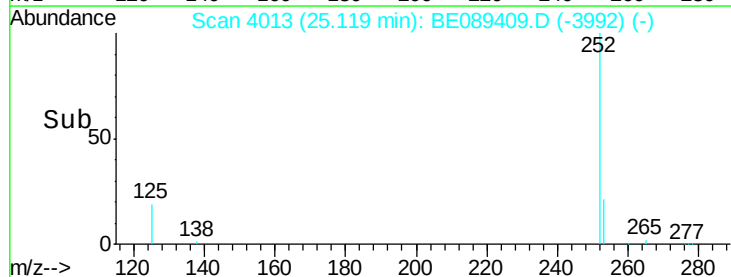
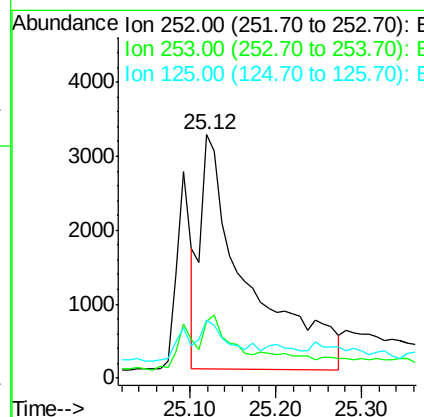
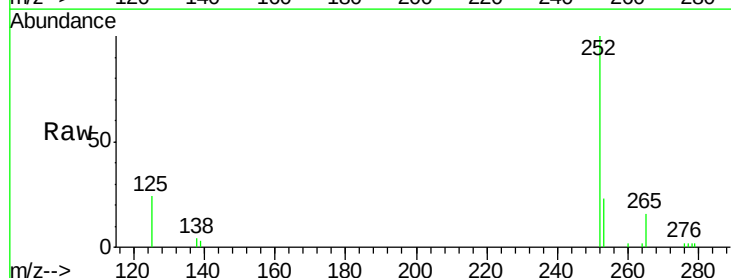
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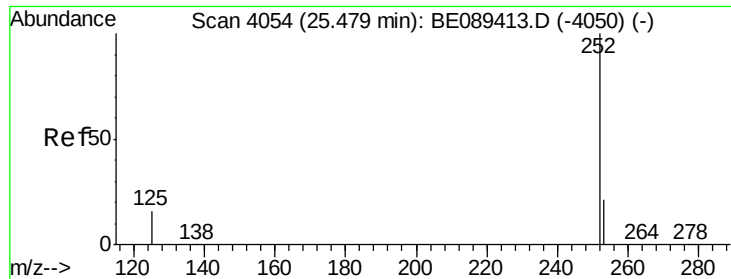
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#29
Benzo(k)fluoranthene
Concen: 0.06 ng m
RT: 25.12 min Scan# 4013
Delta R.T. -0.01 min
Lab File: BE089409.D
Acq: 29 Jan 2015 10:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	23.9	11.0	16.6#





#30

Benzo(a)pyrene

Concen: 0.05 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Instrument :

BNA_E

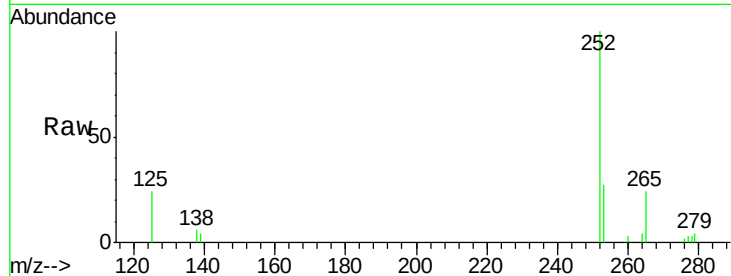
LabSampleId :

SSTDIC0.1

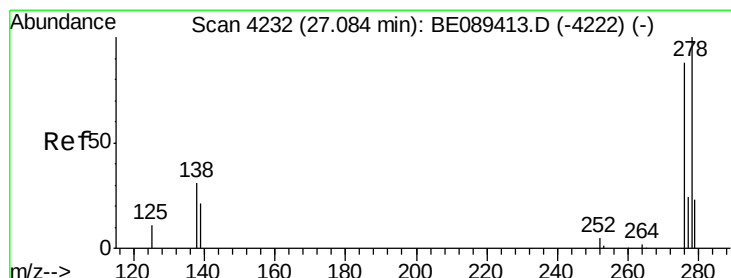
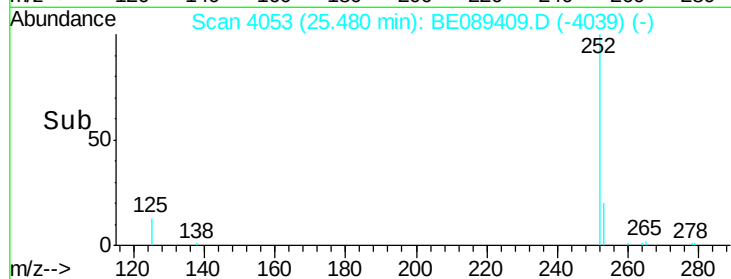
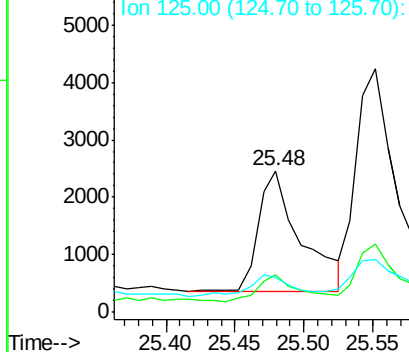
Tgt Ion:	252	Resp:	4481
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.3	25.9#
125	24.3	13.0	19.6#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#31

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089409.D

Acq: 29 Jan 2015 10:44

Tgt Ion:	278	Resp:	3442
Ion Ratio	Lower	Upper	
278	100		
139	28.7	17.2	25.8#
279	26.7	19.2	28.8

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

