

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089412.D
 Acq On : 29 Jan 2015 12:41
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

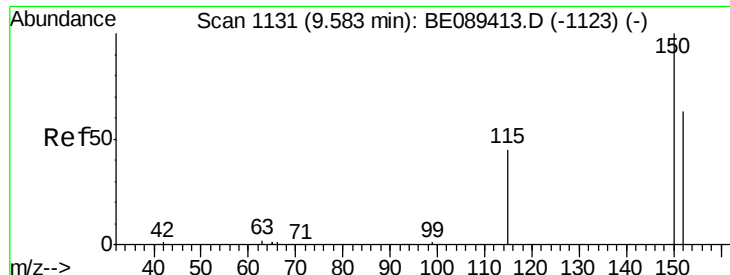
Manual Integrations
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Quant Time: Jan 30 02:58:57 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 02:34:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	134164	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	501700	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	193294	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	386660	5.00	ng	0.00
20) Chrysene-d12	23.84	240	498441	5.00	ng	0.00
27) Perylene-d12	25.55	264	512647	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	38748	0.90	ng	0.00
4) Phenol-d6	8.85	99	46483	0.88	ng	0.00
8) Nitrobenzene-d5	10.84	82	31480	0.87	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	4127	0.92	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	42460	0.73	ng	0.00
22) Terphenyl-d14	22.48	244	46944	0.85	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.59	42	21247	0.93	ng	# 83
5) Phenol	8.87	94	51706	0.92	ng	96
6) bis(2-Chloroethyl)ether	9.06	93	38286	0.92	ng	# 100
9) Nitrobenzene	10.88	77	35995	0.88	ng	100
10) 2,4-Dimethylphenol	11.82	122	25481	0.83	ng	100
11) 2,4-Dichlorophenol	12.21	162	17728	0.76	ng	98
12) Hexachlorobutadiene	12.89	225	11900	0.72	ng	99
16) 2,4-Dinitrophenol	16.90	184	527	0.40	ng	92
18) Hexachlorobenzene	19.23	284	14828	0.82	ng	95
19) Pentachlorophenol	19.65	266	2122	0.61	ng	96
21) Benzidine	22.14	184	21487	0.53	ng	98
23) Benzo(a)anthracene	23.83	228	276488	0.61	ng	93
24) 3,3'-Dichlorobenzidine	23.81	252	19928	0.55	ng	99
25) Chrysene	23.87	228	413662	0.74	ng	99
26) Indeno(1,2,3-cd)pyrene	27.05	276	52968	0.41	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	30664m	0.47	ng	
29) Benzo(k)fluoranthene	25.13	252	116739m	0.79	ng	
30) Benzo(a)pyrene	25.48	252	40266	0.51	ng	98
31) Dibenzo(a,h)anthracene	27.08	278	38131	0.47	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089412.D

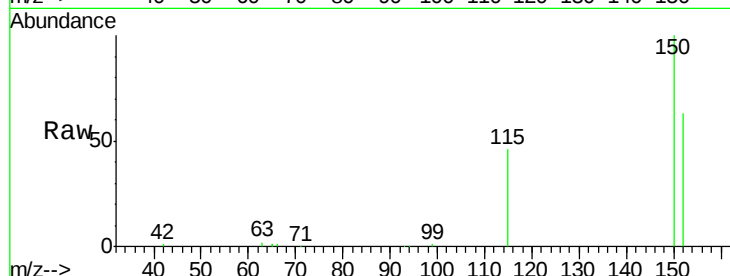
Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



Tgt Ion: 152 Resp: 134164

Ion Ratio Lower Upper

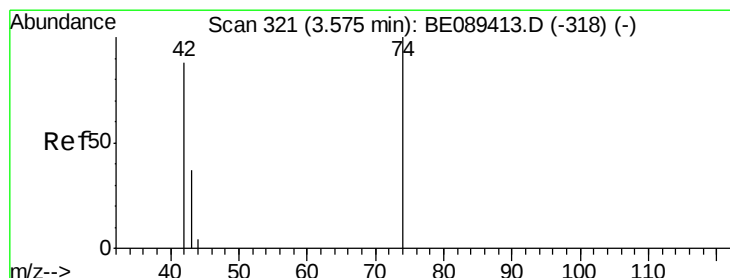
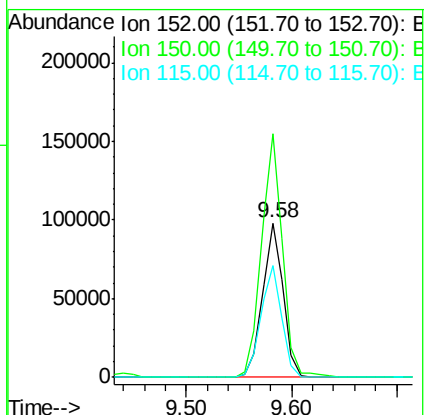
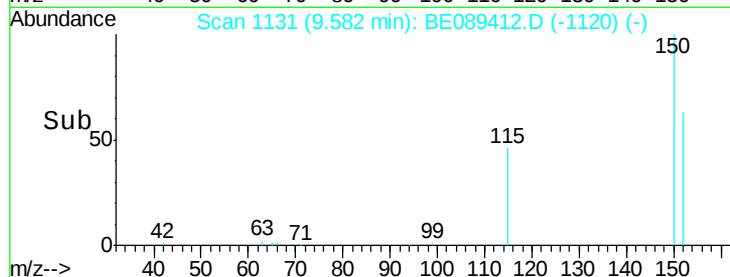
152 100

150 157.8 126.1 189.1

115 72.4 57.1 85.7

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#2

n-Nitrosodimethylamine

Concen: 0.93 ng

RT: 3.59 min Scan# 323

Delta R.T. 0.01 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

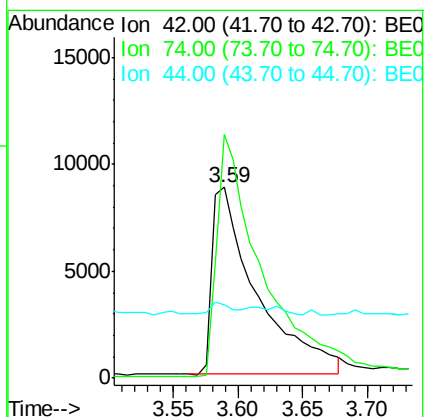
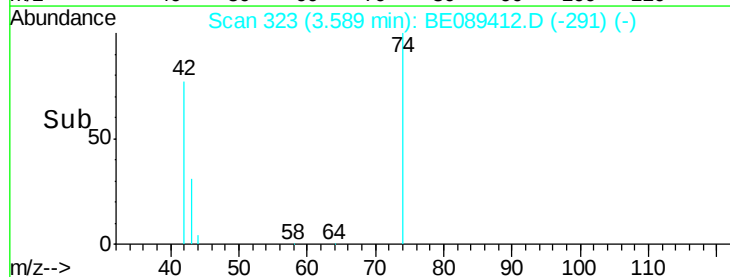
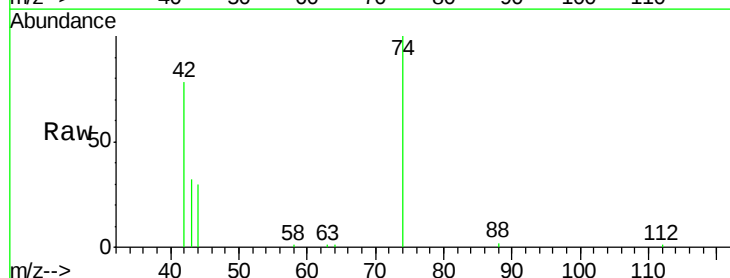
Tgt Ion: 42 Resp: 21247

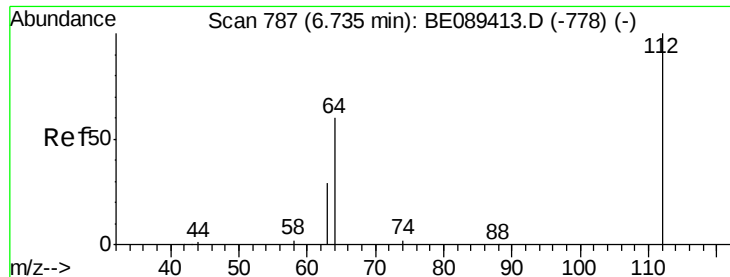
Ion Ratio Lower Upper

42 100

74 127.7 90.2 135.2

44 38.7 19.4 29.2#





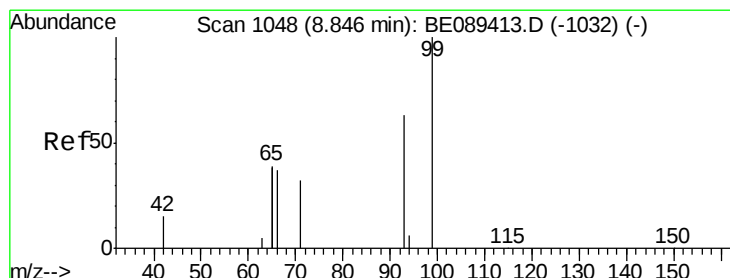
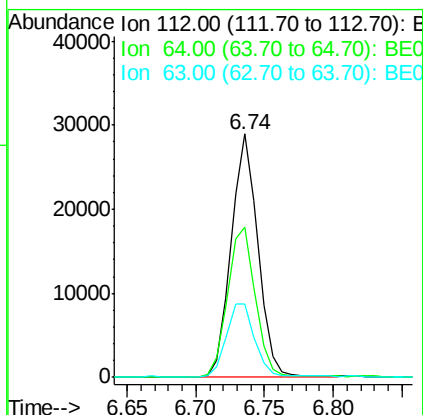
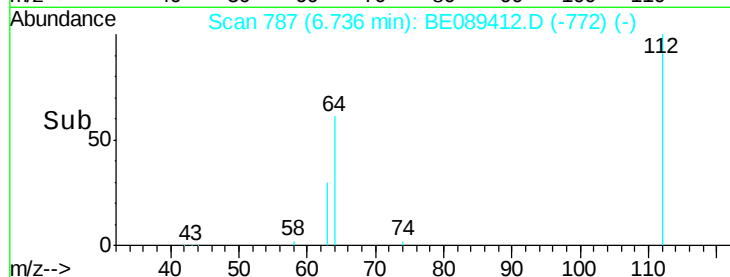
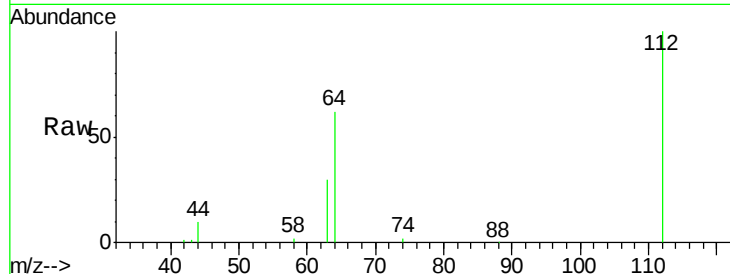
#3
 2-Fluorophenol
 Concen: 0.90 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	38748		
64	61.6	48.2	72.4	
63	30.0	23.5	35.3	

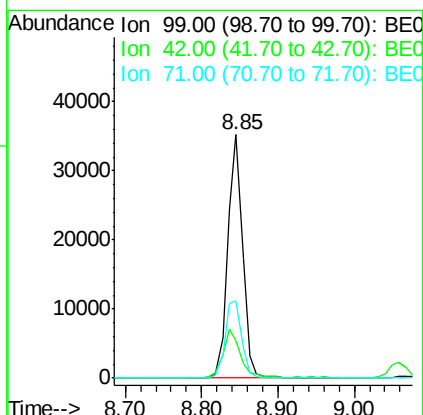
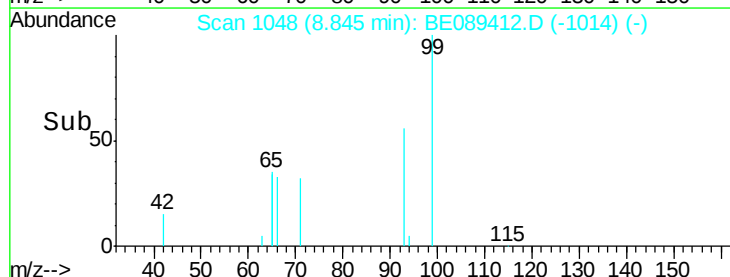
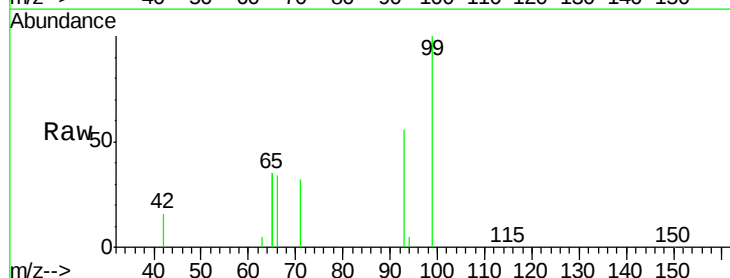
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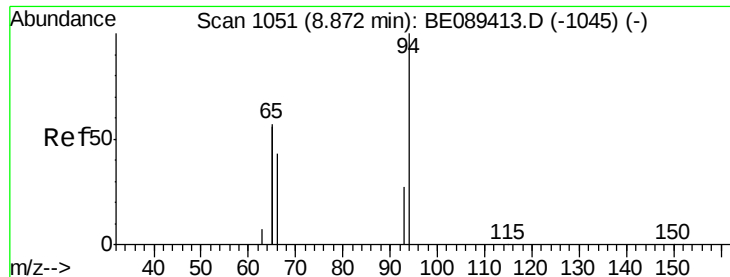
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#4
 Phenol-d6
 Concen: 0.88 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	46483		
42	15.6	11.9	17.9	
71	31.9	25.8	38.6	





#5

Phenol

Concen: 0.92 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

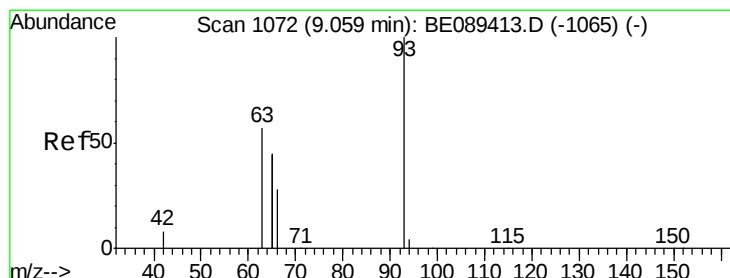
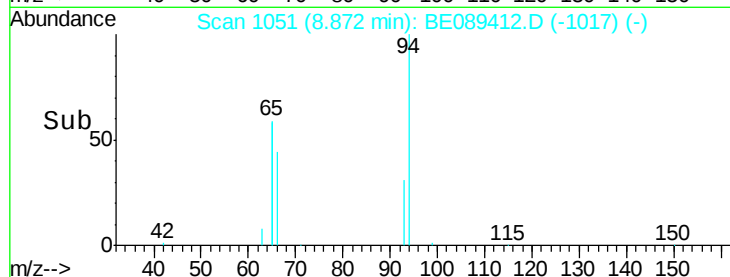
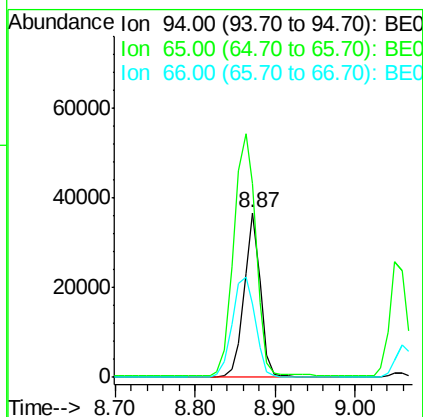
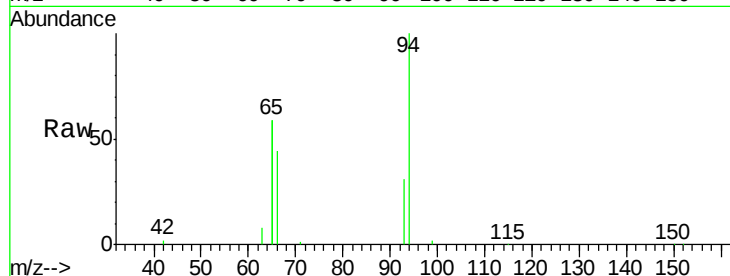
LabSampleId :

SSTDIC0.8

Tgt Ion:	94	Resp:	51706
Ion	Ratio	Lower	Upper
94	100		
65	118.0	93.3	133.3
66	44.5	23.6	63.6

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#6

bis(2-Chloroethyl)ether

Concen: 0.92 ng

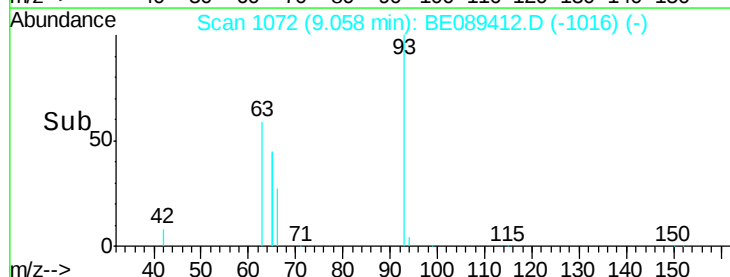
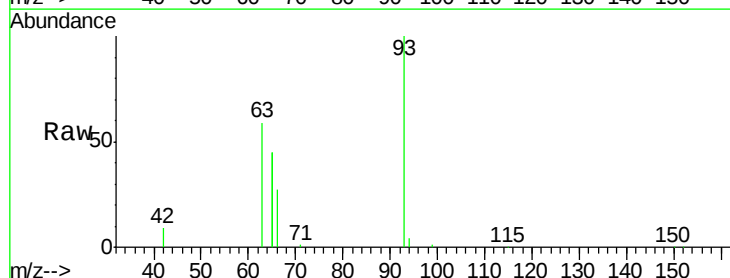
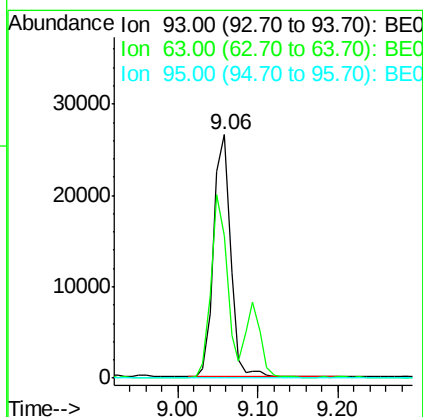
RT: 9.06 min Scan# 1072

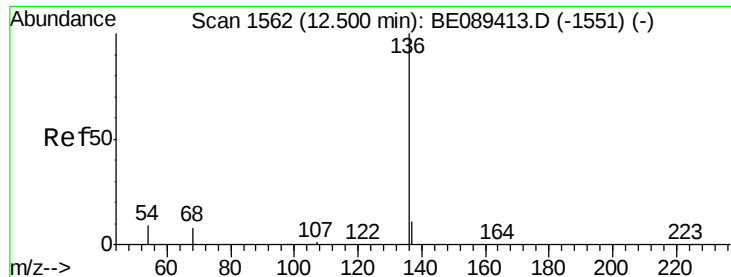
Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Tgt Ion:	93	Resp:	38286
Ion	Ratio	Lower	Upper
93	100		
63	73.0	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: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

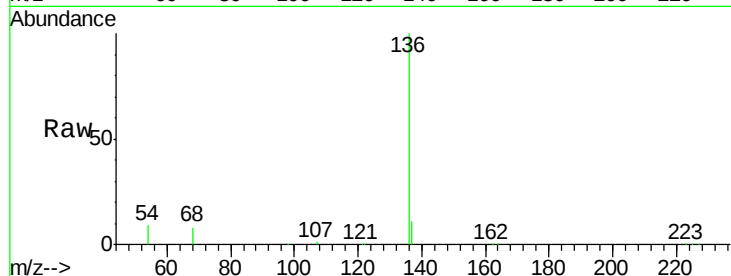
LabSampleId :

SSTDIC0.8

Tgt Ion:	136	Resp:	501700
Ion Ratio		Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.5	7.5	11.3

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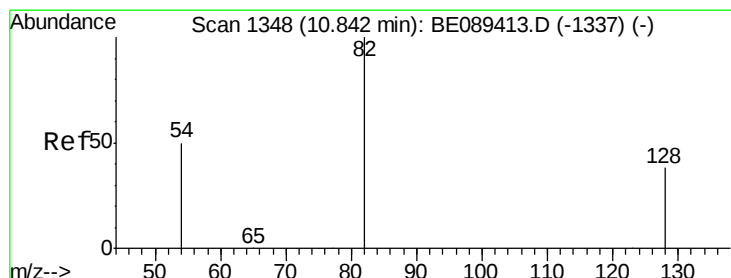
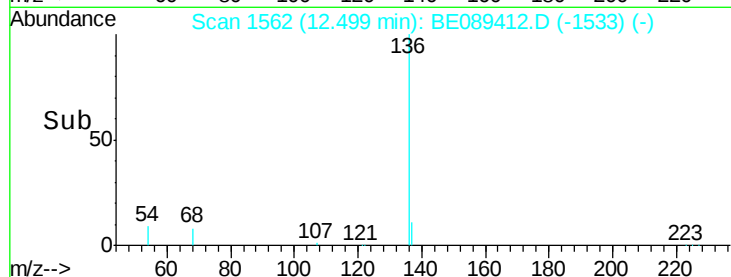
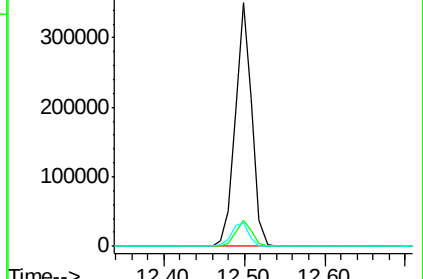
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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.87 ng

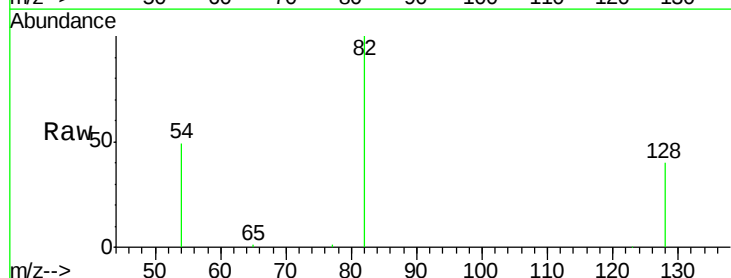
RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

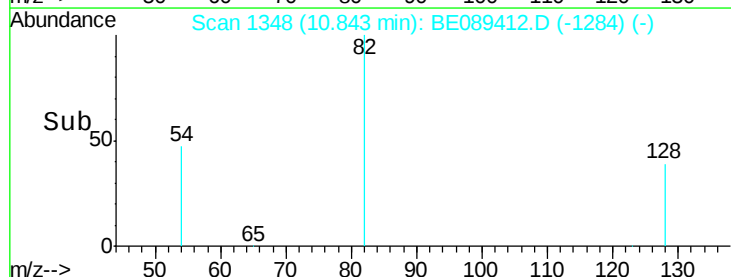
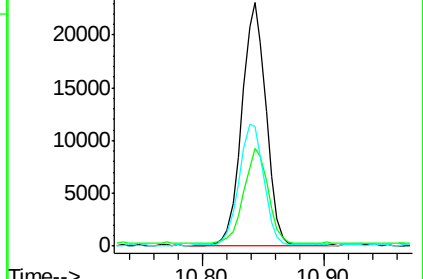
Tgt Ion:	82	Resp:	31480
Ion Ratio		Lower	Upper
82	100		
128	40.2	31.0	46.4
54	48.9	39.8	59.6

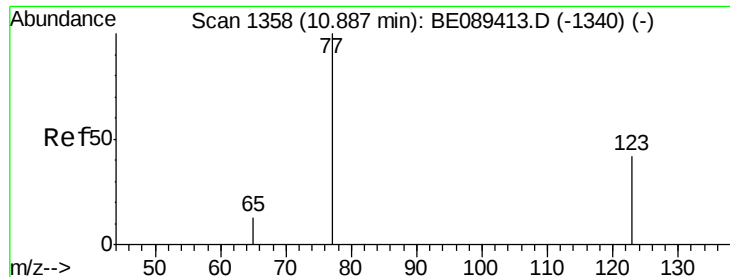


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.88 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

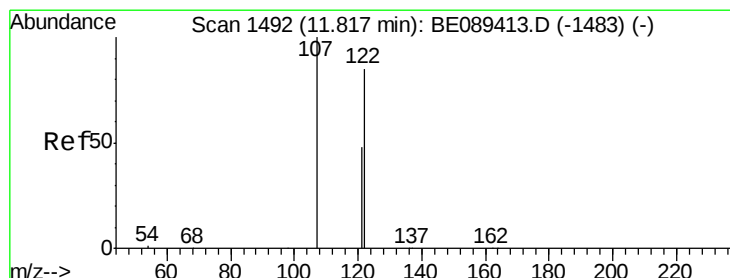
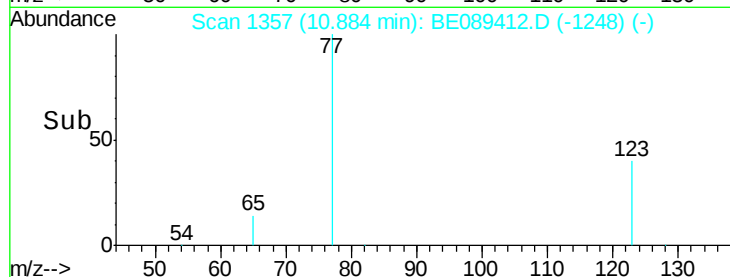
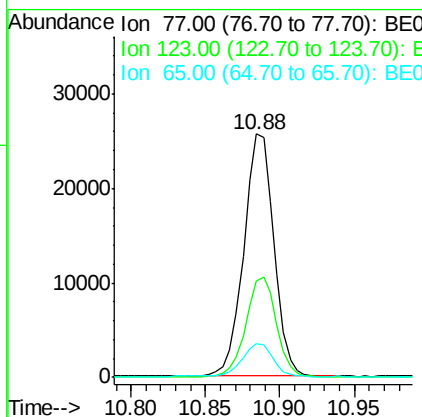
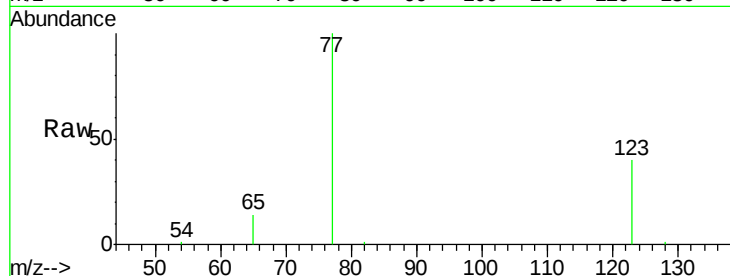
LabSampleId :

SSTDICC0.8

Tgt Ion:	77	Resp:	35995
Ion	Ratio	Lower	Upper
77	100		
123	41.3	32.8	49.2
65	13.9	11.0	16.6

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#10

2,4-Dimethylphenol

Concen: 0.83 ng

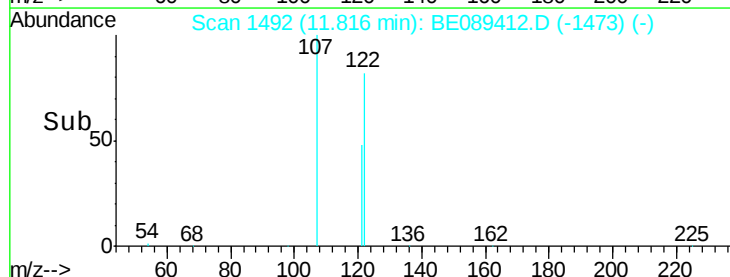
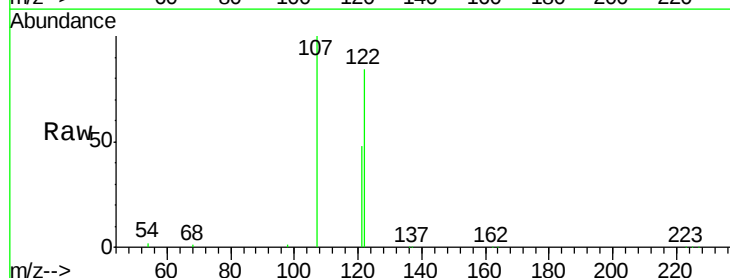
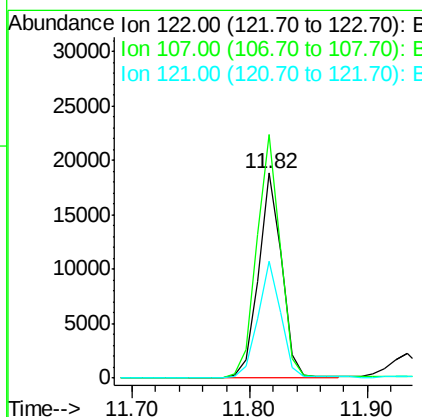
RT: 11.82 min Scan# 1492

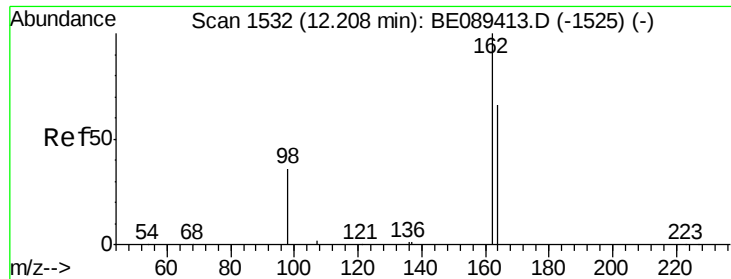
Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Tgt Ion:	122	Resp:	25481
Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.6	142.0
121	57.1	45.8	68.6





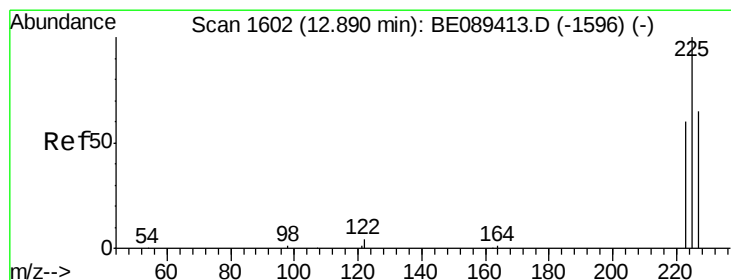
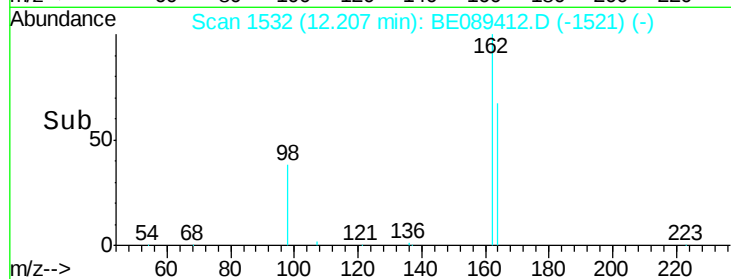
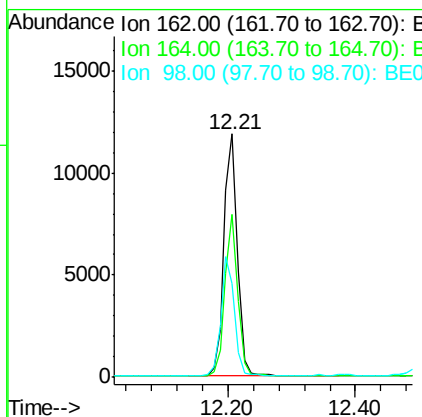
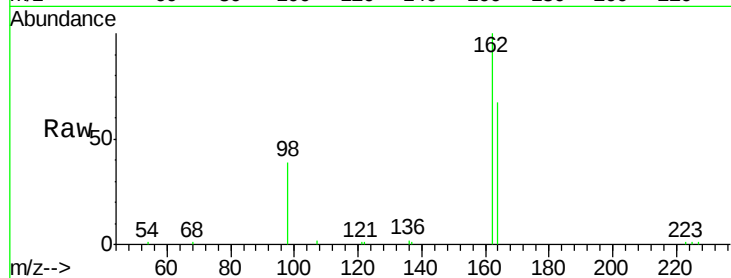
#11
2,4-Dichlorophenol
Concen: 0.76 ng
RT: 12.21 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.7	46.1	86.1
98	38.6	16.2	56.2

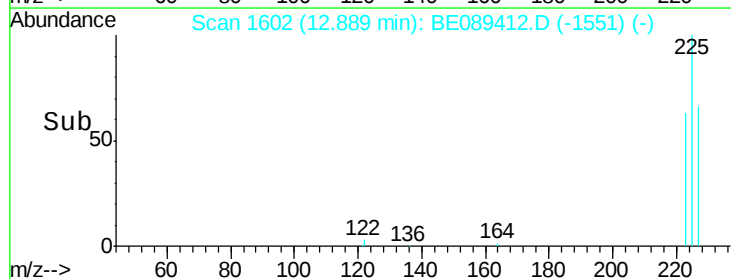
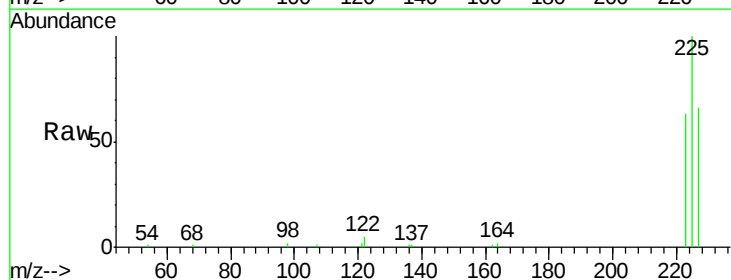
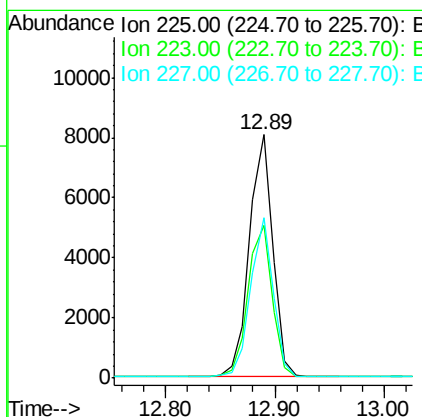
Manual Integrations
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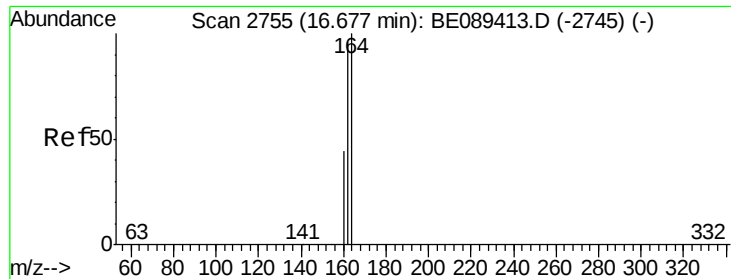
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#12
Hexachlorobutadiene
Concen: 0.72 ng
RT: 12.89 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.4	75.6
227	63.5	50.2	75.2





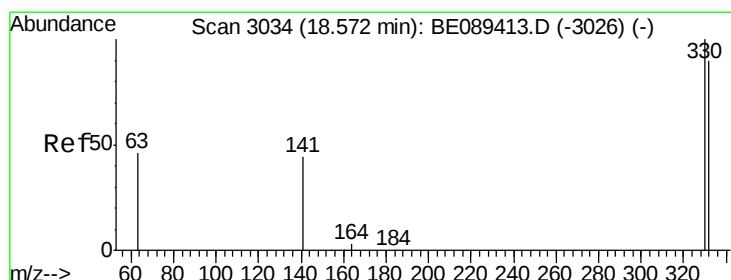
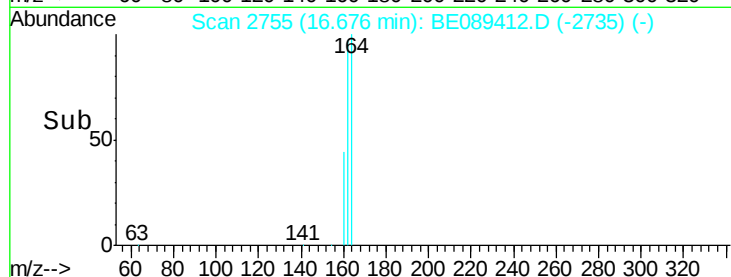
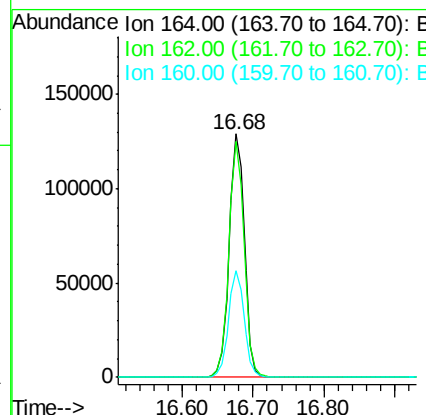
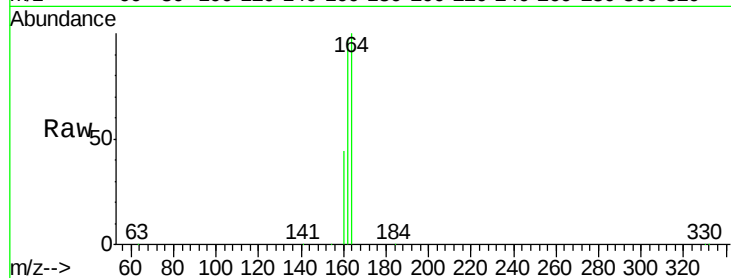
#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2755
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.0	77.0	115.6
160	44.0	35.0	52.4

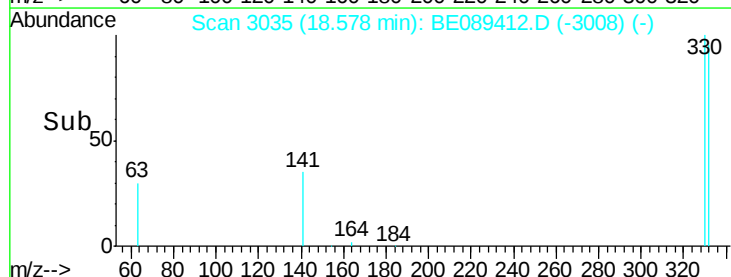
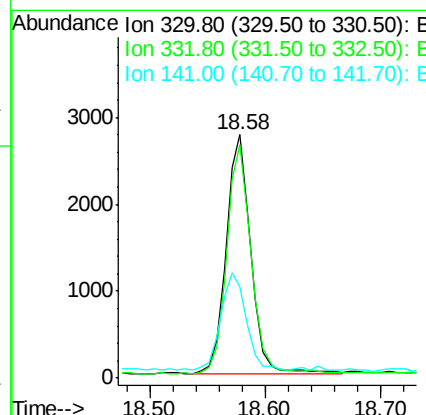
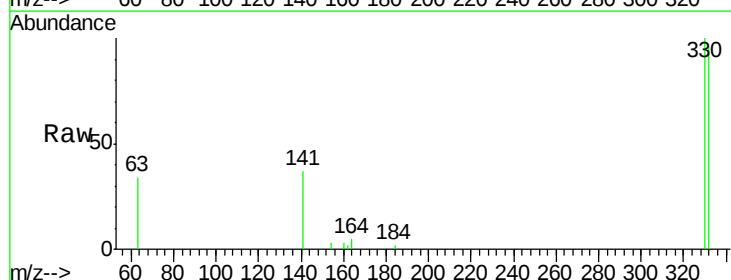
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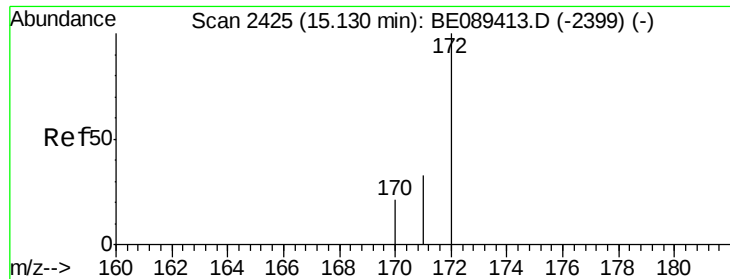
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#14
 2,4,6-Tribromophenol
 Concen: 0.92 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. 0.01 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.0	114.0
141	42.5	35.6	53.4





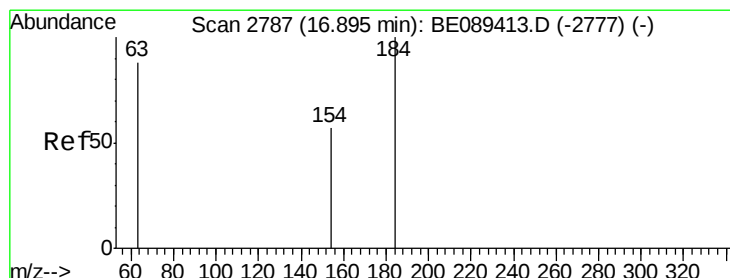
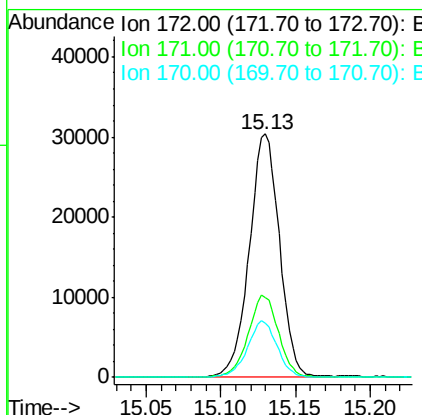
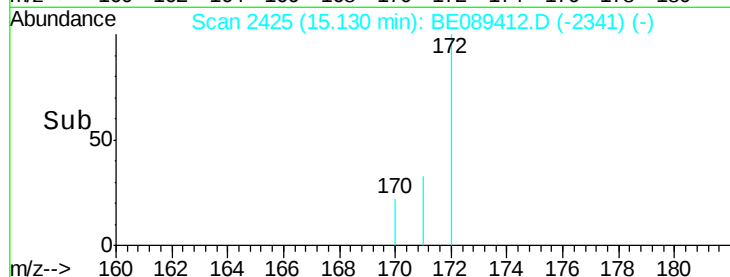
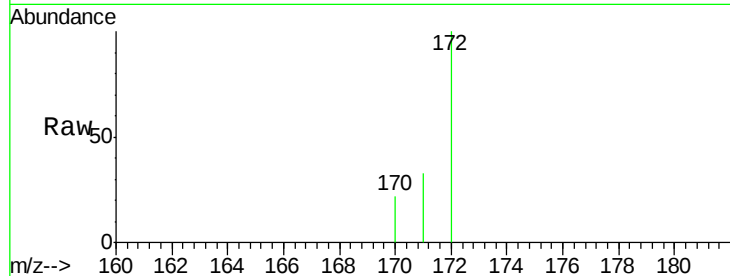
#15
2-Fluorobiphenyl
Concen: 0.73 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.8	26.6	39.8
170	22.2	17.1	25.7

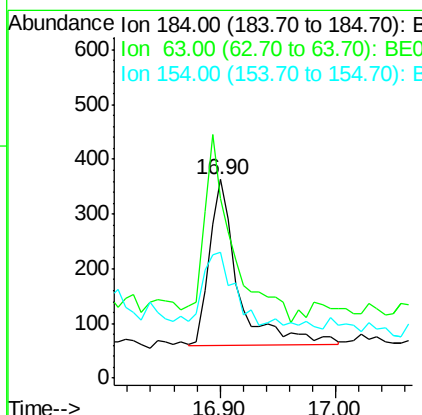
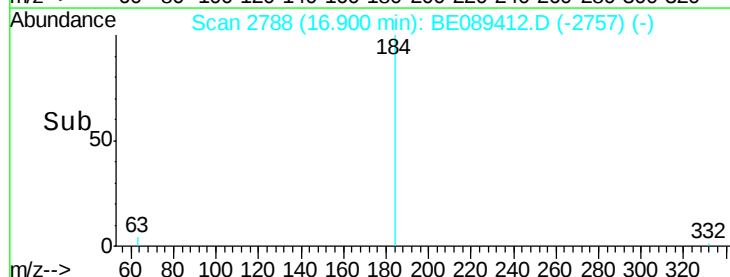
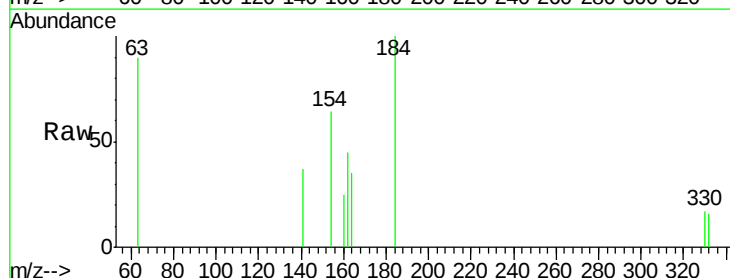
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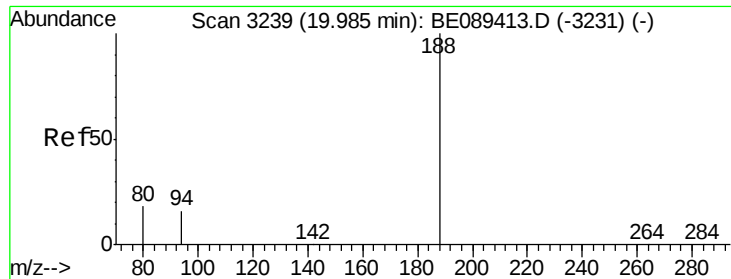
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#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	90.4	79.0	118.4
154	63.6	55.8	83.6





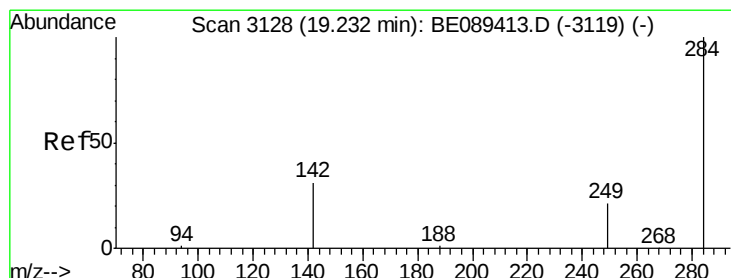
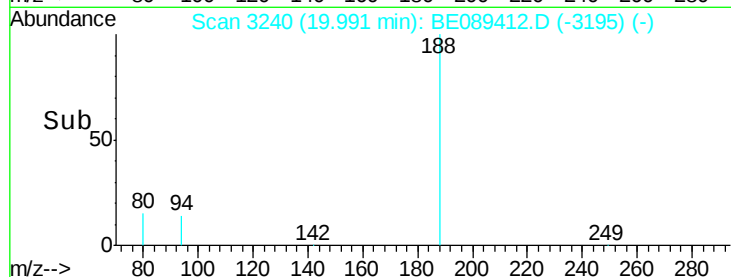
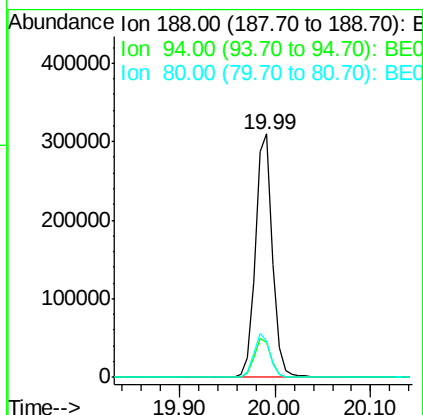
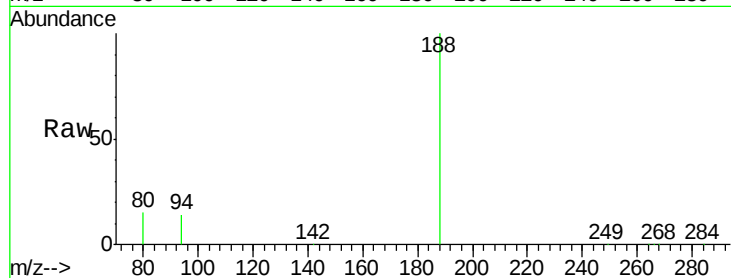
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	14.5	13.0	19.6
80	14.7	14.2	21.4

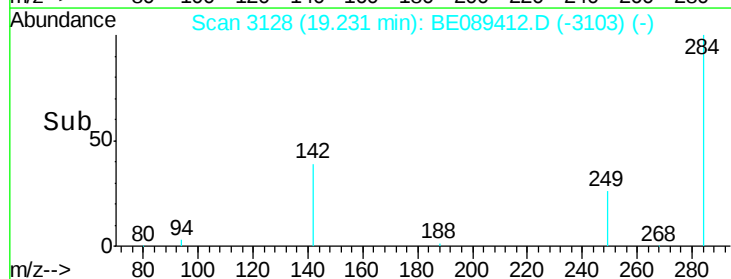
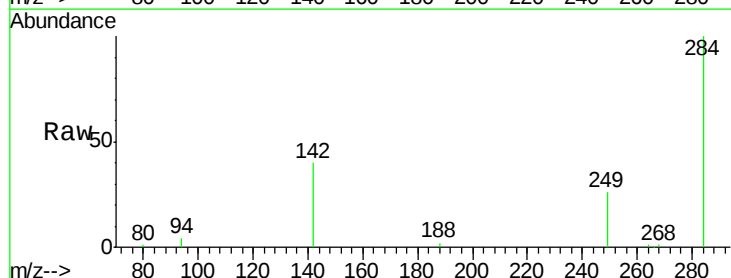
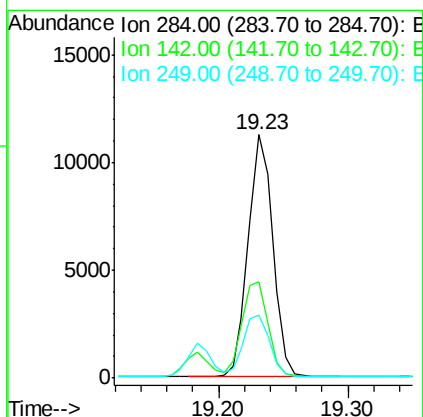
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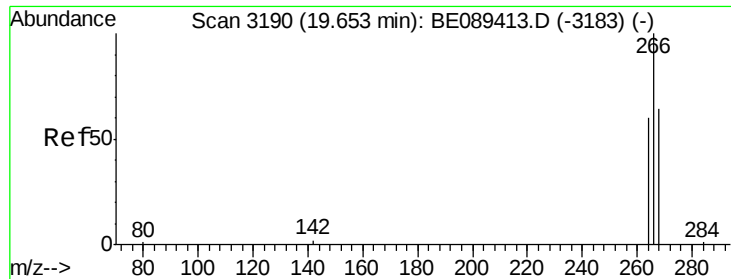
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#18
Hexachlorobenzene
Concen: 0.82 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	39.5	28.3	42.5
249	26.0	19.9	29.9





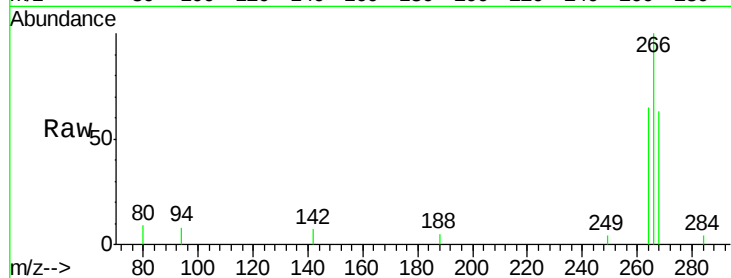
#19
 Pentachlorophenol
 Concen: 0.61 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

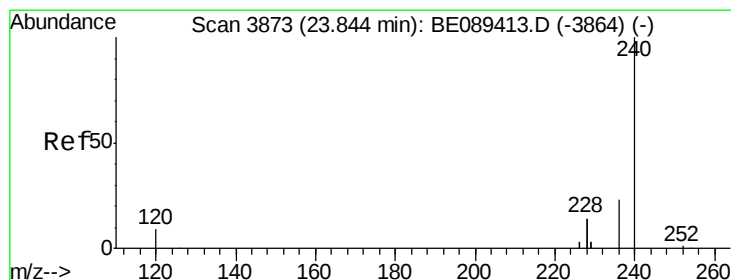
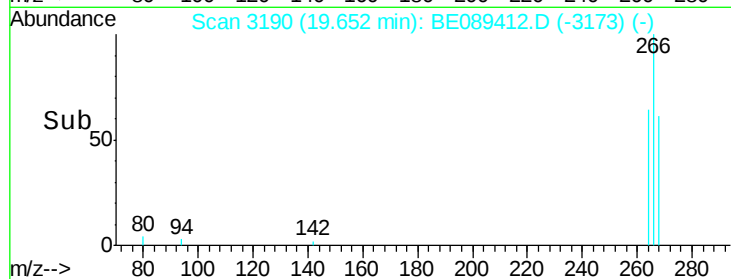
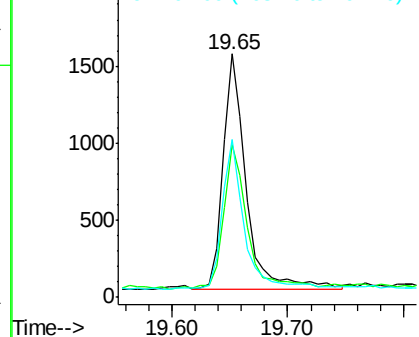
Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.5	51.9	77.9
264	64.6	48.5	72.7

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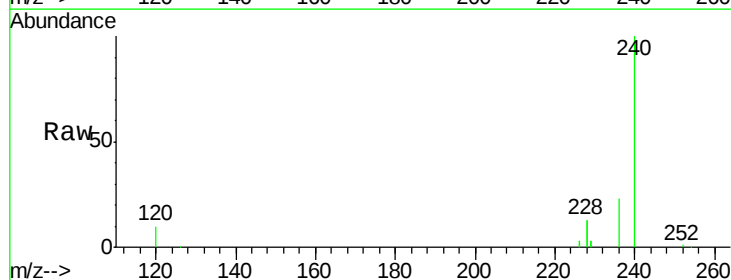


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

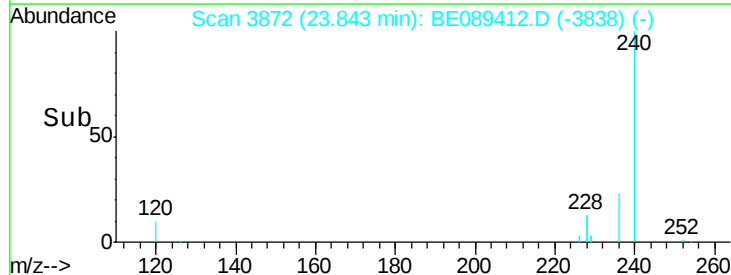
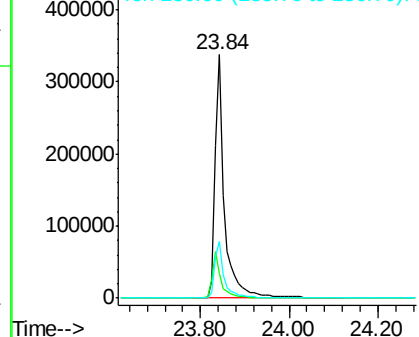


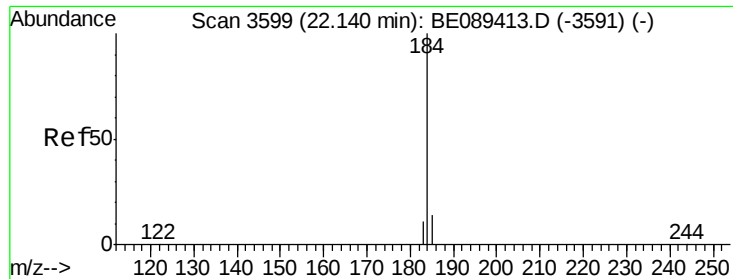
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089412.D
 Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.9	10.3
236	23.1	18.2	27.2



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: 0.53 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

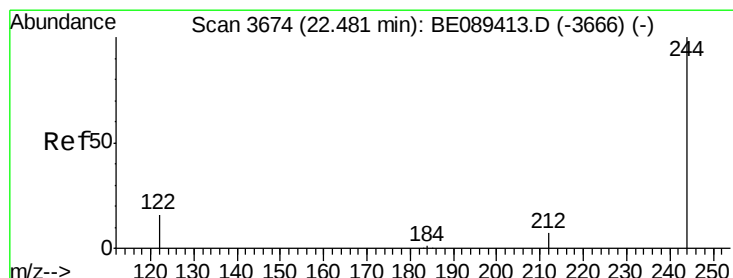
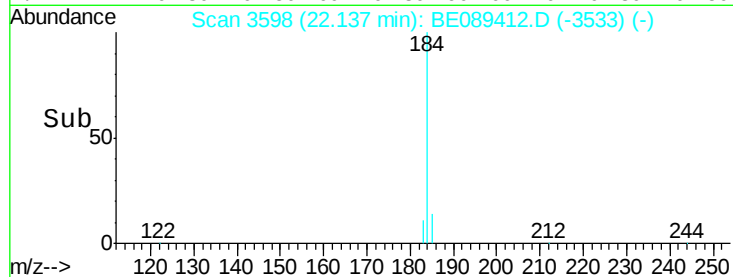
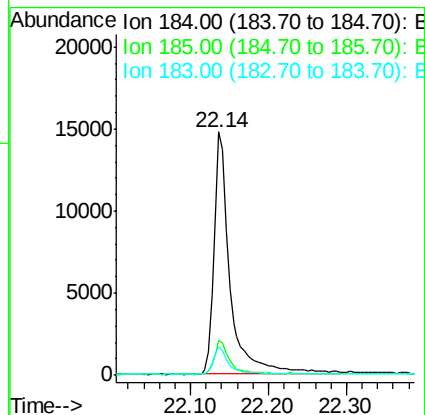
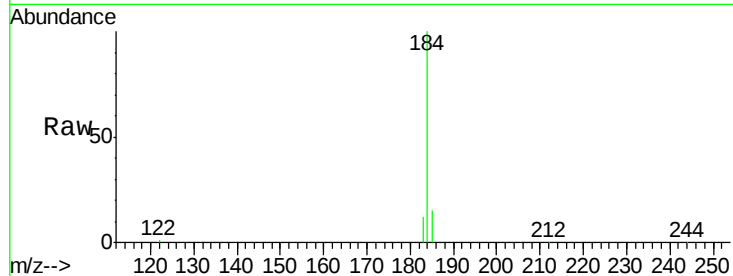
LabSampleId :

SSTDIC0.8

Tgt Ion:	184	Resp:	21487
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.0	16.6
183	11.6	8.6	13.0

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#22

Terphenyl-d14

Concen: 0.85 ng

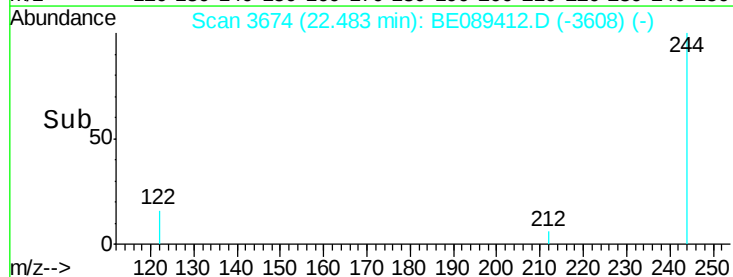
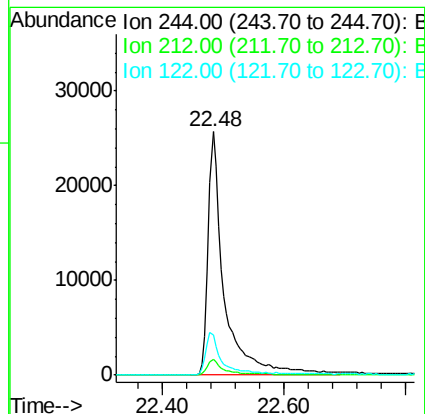
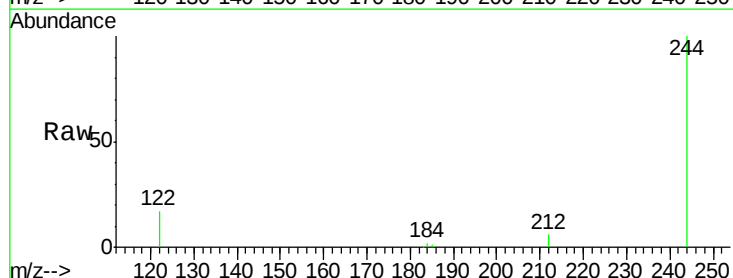
RT: 22.48 min Scan# 3674

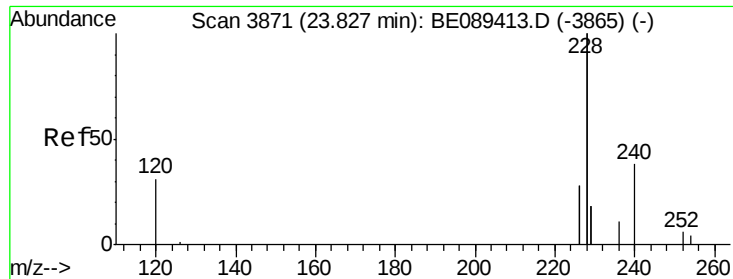
Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Tgt Ion:	244	Resp:	46944
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	16.5	13.2	19.8





#23

Benzo(a)anthracene

Concen: 0.61 ng

RT: 23.83 min Scan# 3871

Delta R.T. 0.01 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

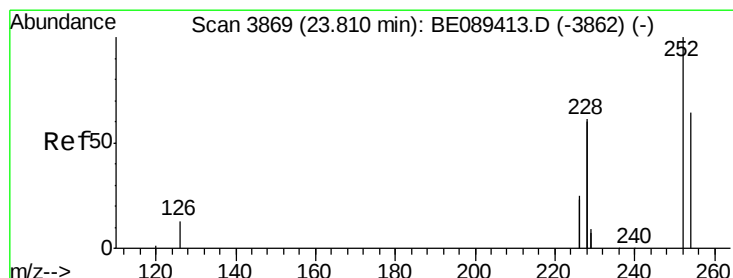
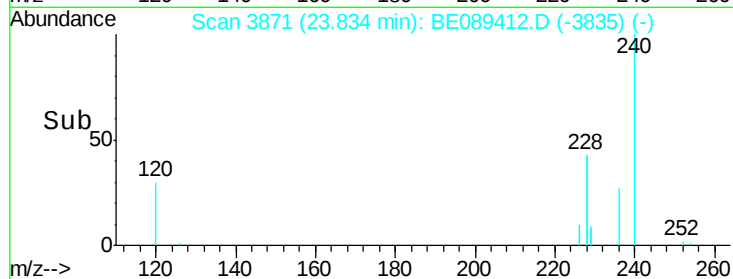
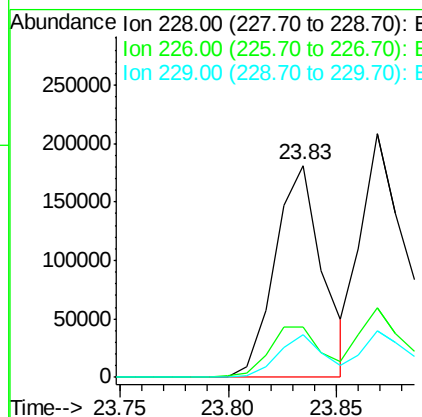
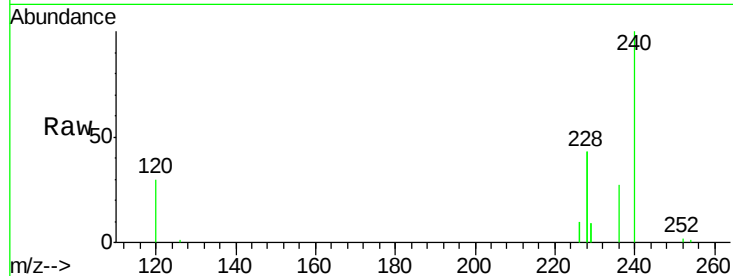
LabSampleId :

SSTDICC0.8

Tgt Ion:	228	Resp:	276488
Ion Ratio	Lower	Upper	
228	100		
226	23.9	22.6	33.8
229	20.1	14.5	21.7

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#24

3,3'-Dichlorobenzidine

Concen: 0.55 ng

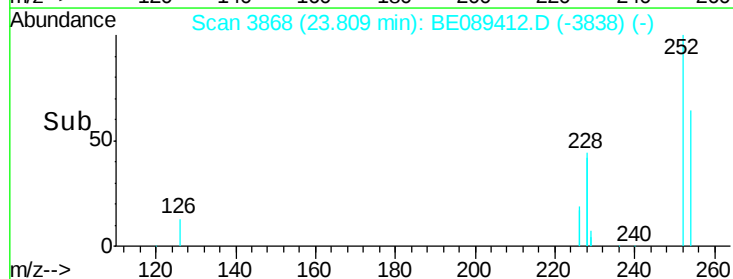
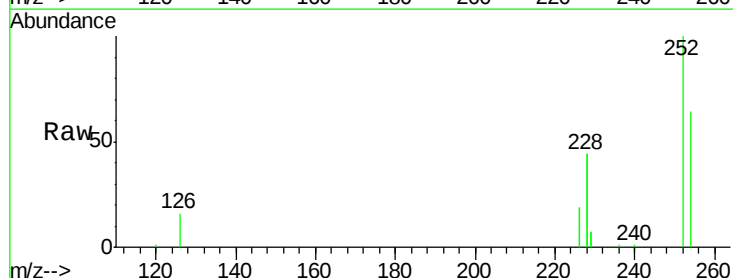
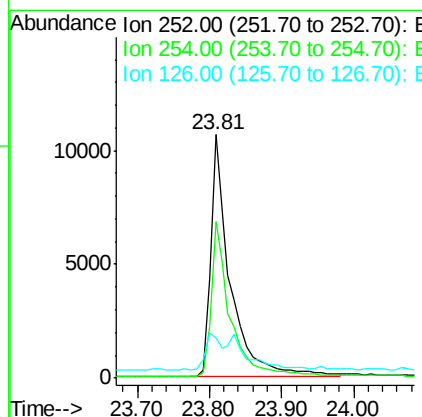
RT: 23.81 min Scan# 3868

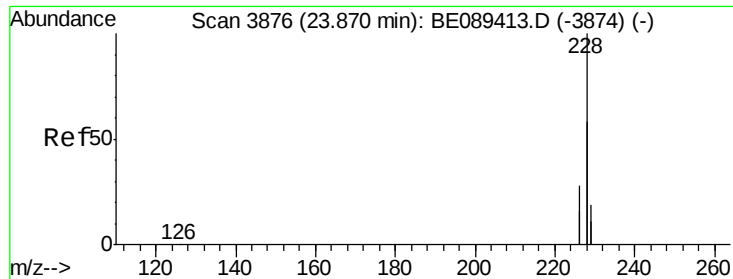
Delta R.T. -0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Tgt Ion:	252	Resp:	19928
Ion Ratio	Lower	Upper	
252	100		
254	64.3	51.1	76.7
126	16.4	11.5	17.3





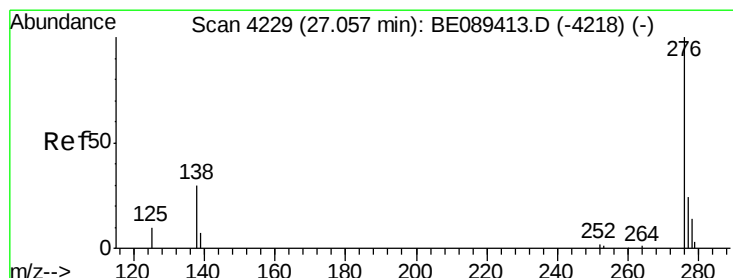
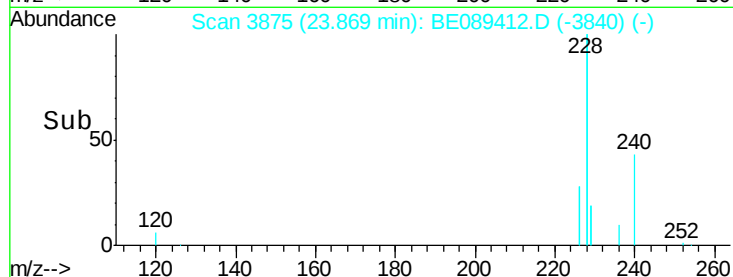
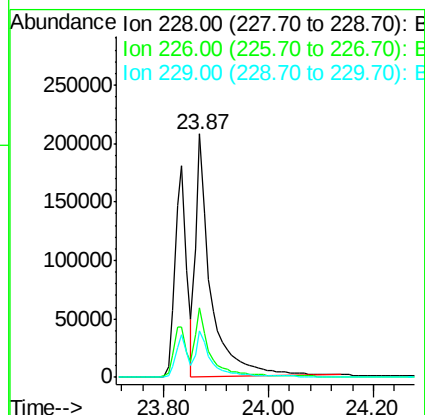
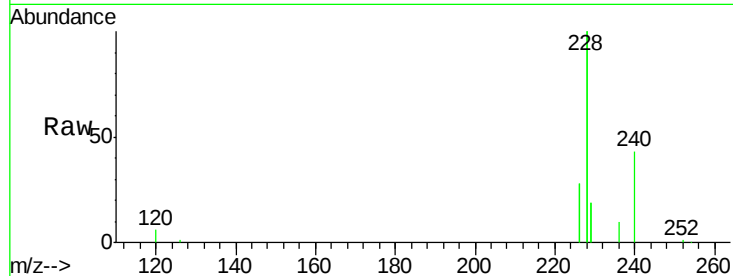
#25
Chrysene
Concen: 0.74 ng
RT: 23.87 min Scan# 3875
Delta R.T. -0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	413662		
226	28.4	22.6	33.8	
229	18.9	15.5	23.3	

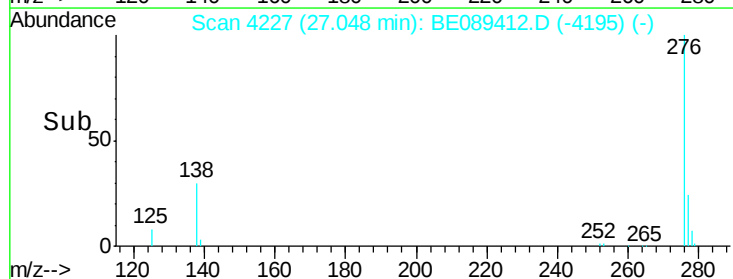
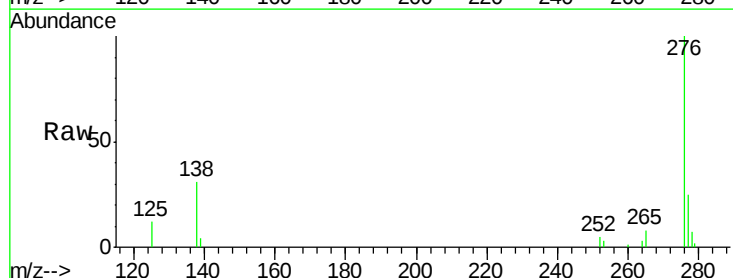
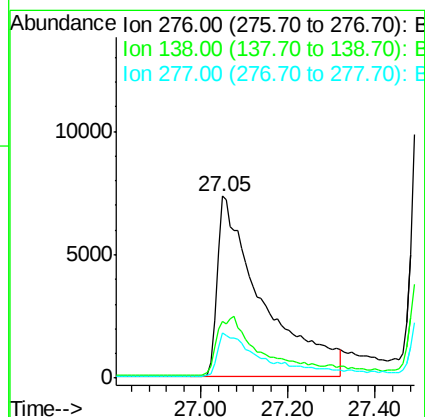
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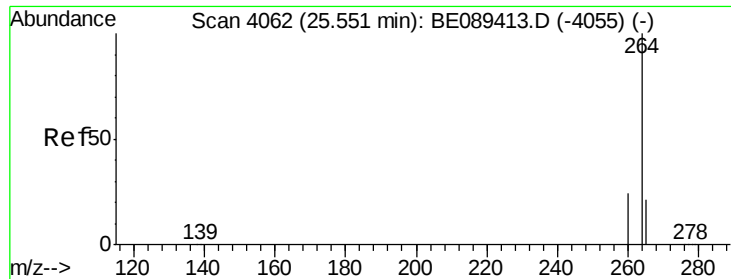
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#26
Indeno(1,2,3-cd)pyrene
Concen: 0.41 ng
RT: 27.05 min Scan# 4227
Delta R.T. -0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	52968		
138	0.0	0.0	0.0	
277	18.1	0.0	0.0	





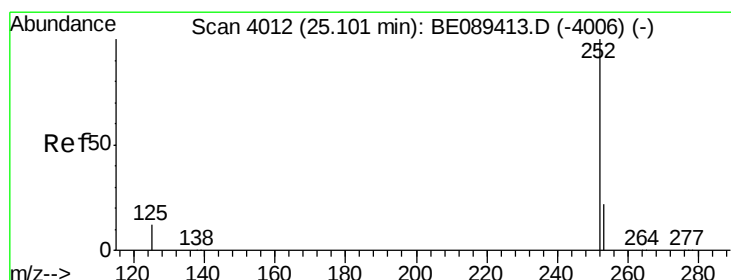
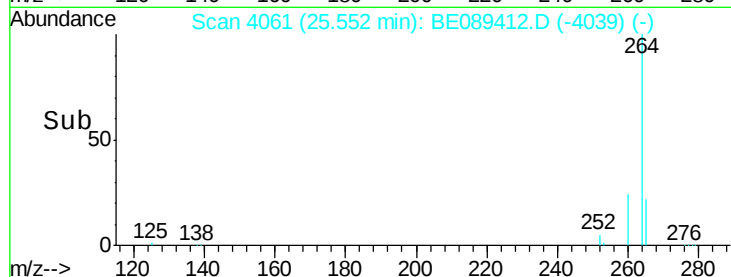
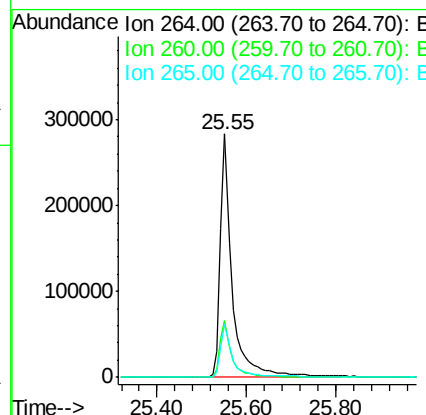
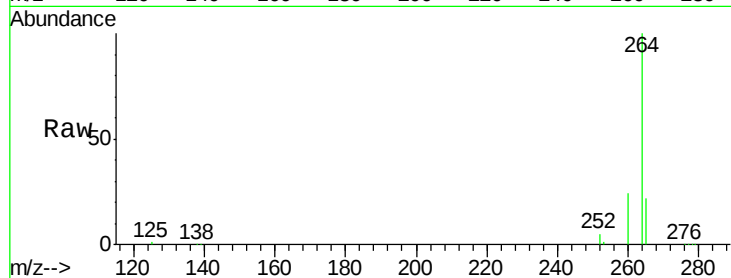
#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4061
Delta R.T. 0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	22.0	17.1	25.7

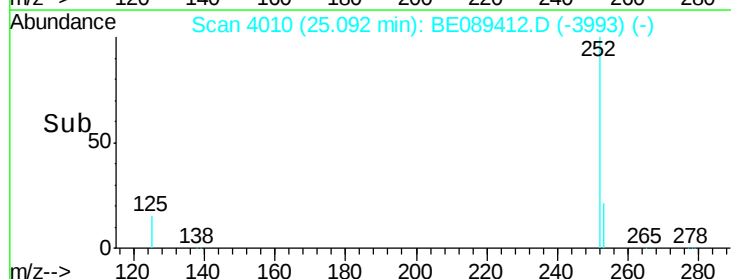
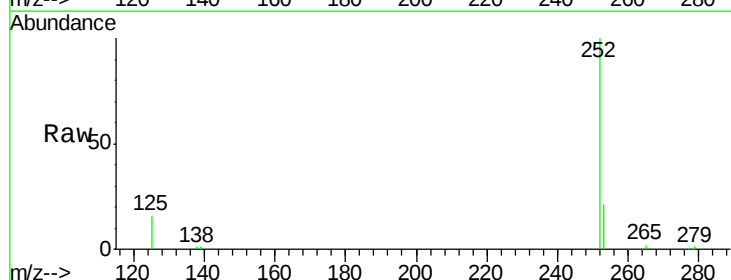
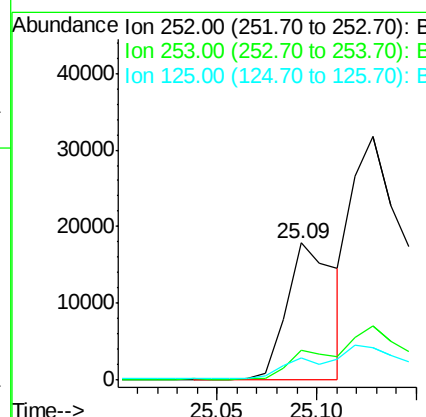
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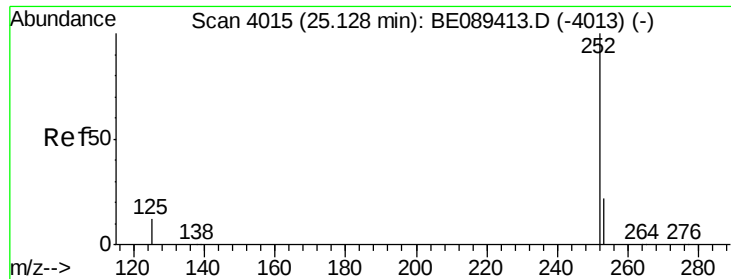
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#28
Benzo(b)fluoranthene
Concen: 0.47 ng m
RT: 25.09 min Scan# 4010
Delta R.T. -0.01 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	16.2	10.5	15.7#





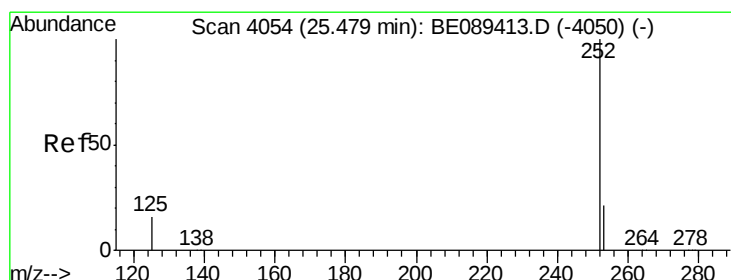
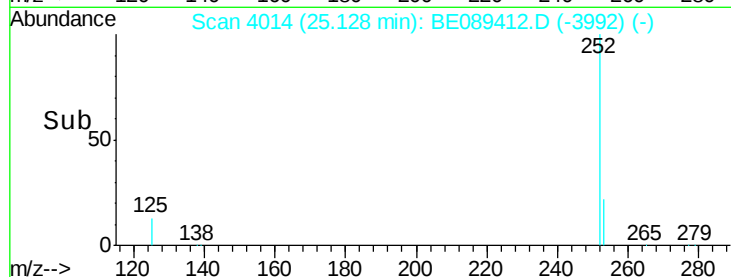
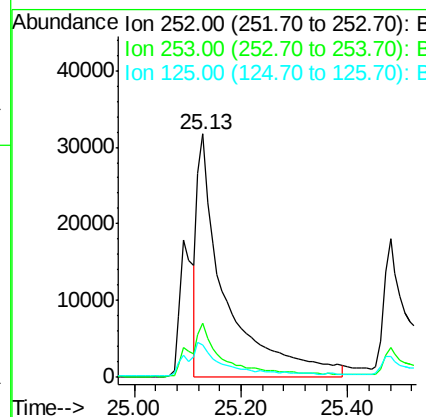
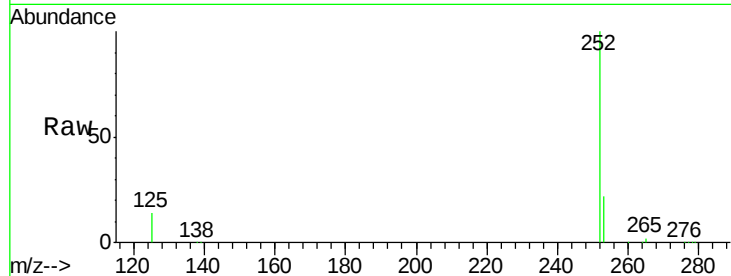
#29
Benzo(k)fluoranthene
Concen: 0.79 ng m
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	13.5	11.0	16.6

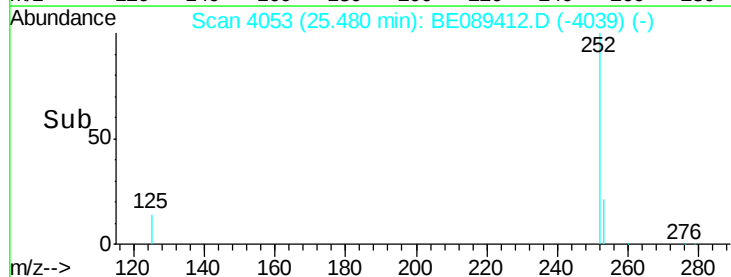
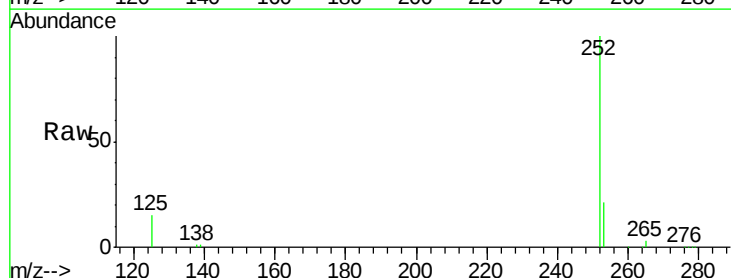
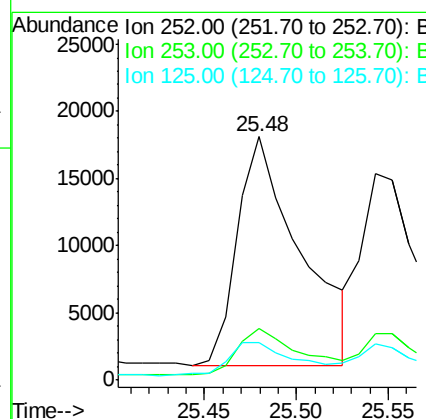
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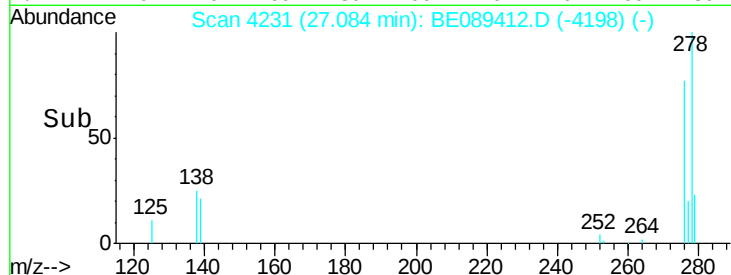
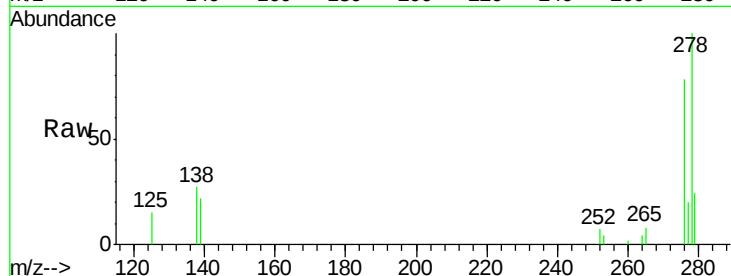
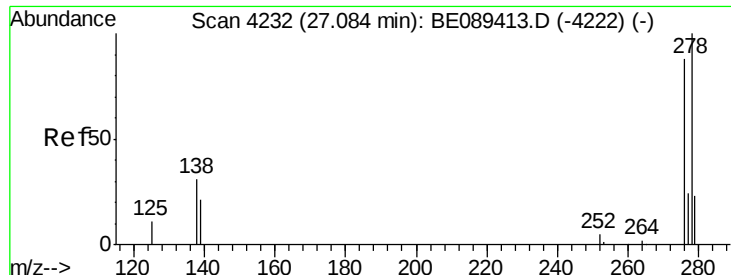
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#30
Benzo(a)pyrene
Concen: 0.51 ng
RT: 25.48 min Scan# 4053
Delta R.T. 0.00 min
Lab File: BE089412.D
Acq: 29 Jan 2015 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	15.4	13.0	19.6





#31

Dibenzo(a,h)anthracene

Concen: 0.47 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089412.D

Acq: 29 Jan 2015 12:41

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

Tgt Ion:	278	Resp:	38131
Ion Ratio	Lower	Upper	
278	100		
139	22.2	17.2	25.8
279	24.4	19.2	28.8

Manual Integrations
APPROVED

apatel
1/30/2015 5:55:30 PM

