

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089573.D
 Acq On : 16 Feb 2015 17:11
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Manual Integrations
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 2/17/2015 3:36:13 PM

Quant Time: Feb 16 17:52:15 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 17:18:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	74310	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	299434	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	145132	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	281319	5.00	ng	0.00
20) Chrysene-d12	23.66	240	298228	5.00	ng	0.00
27) Perylene-d12	25.34	264	274009	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	17302	0.79	ng	0.00
4) Phenol-d6	8.62	99	23017	0.80	ng	0.00
8) Nitrobenzene-d5	10.61	82	9330	0.69	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	2374	0.68	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	32087	0.82	ng	0.00
22) Terphenyl-d14	22.30	244	33406	0.80	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.37	42	9298m	0.75	ng	
5) Phenol	8.65	94	24936	0.80	ng	93
6) bis(2-Chloroethyl)ether	8.83	93	19126	0.81	ng	# 99
9) Nitrobenzene	10.65	77	10732	0.65	ng	100
10) 2,4-Dimethylphenol	11.59	122	13985	0.77	ng	97
11) 2,4-Dichlorophenol	11.97	162	10861	0.77	ng	97
12) Hexachlorobutadiene	12.64	225	7562	0.84	ng	100
16) 2,4-Dinitrophenol	16.66	184	307	0.51	ng	93
18) Hexachlorobenzene	19.00	284	9691	0.82	ng	99
19) Pentachlorophenol	19.45	266	1331	0.55	ng	98
21) Benzidine	21.96	184	16556	0.53	ng	99
23) Benzo(a)anthracene	23.64	228	228985	0.75	ng	98
24) 3,3'-Dichlorobenzidine	23.63	252	14433	0.60	ng	99
25) Chrysene	23.69	228	236177	0.84	ng	100
26) Indeno(1,2,3-cd)pyrene	26.75	276	54603	0.70	ng	99
28) Benzo(b)fluoranthene	24.91	252	41932	0.65	ng	99
29) Benzo(k)fluoranthene	24.94	252	64378	0.83	ng	99
30) Benzo(a)pyrene	25.28	252	41686	0.68	ng	100
31) Dibenzo(a,h)anthracene	26.78	278	42596	0.68	ng	100

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

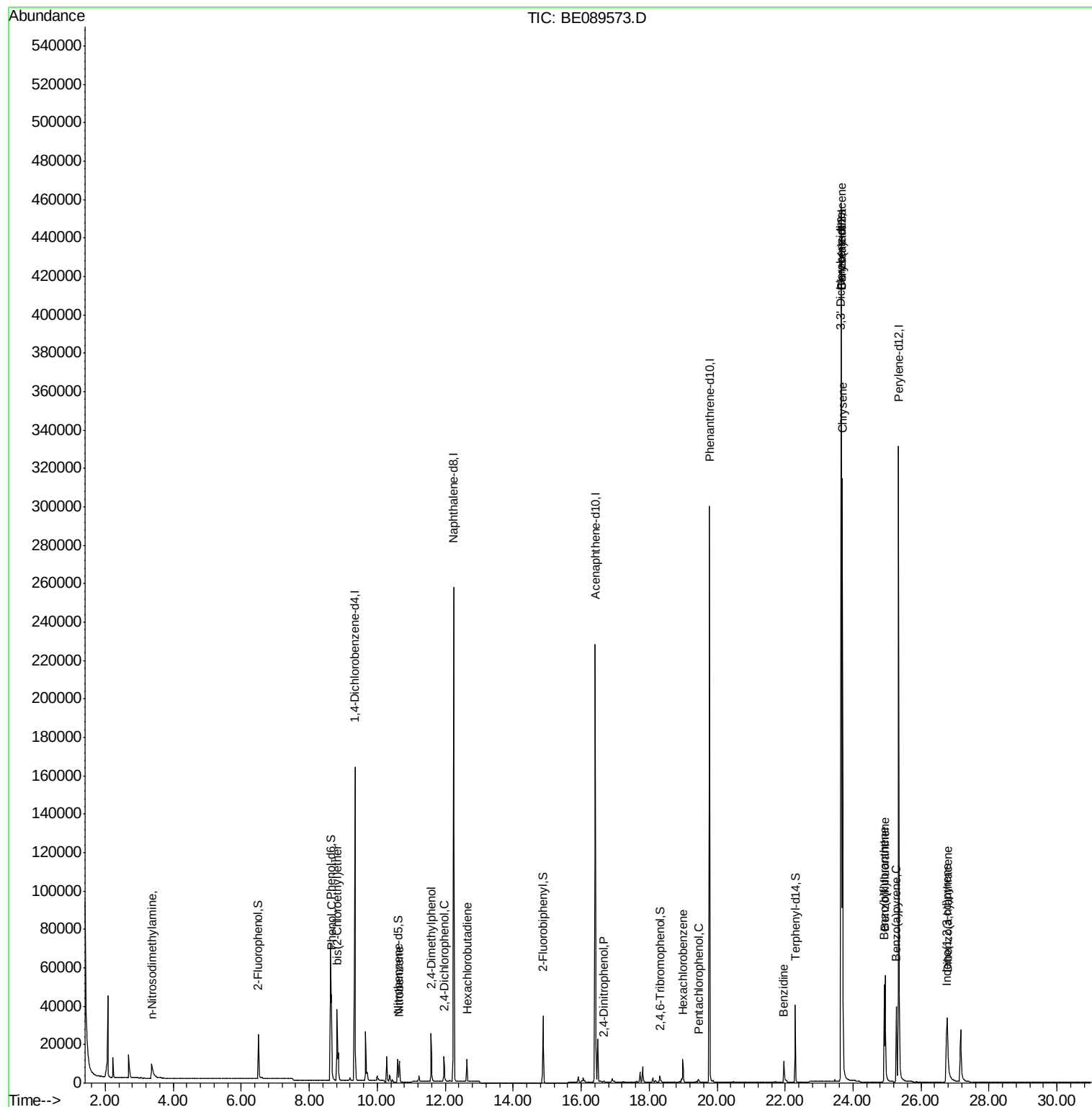
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
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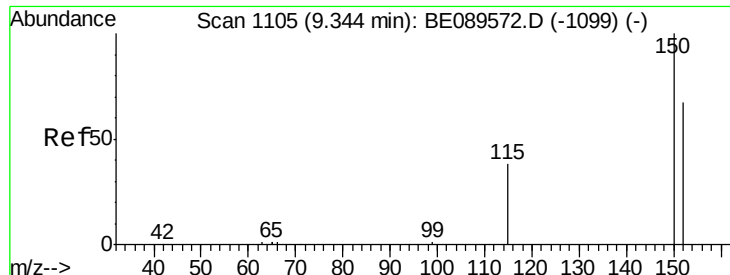
Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BE089573.D

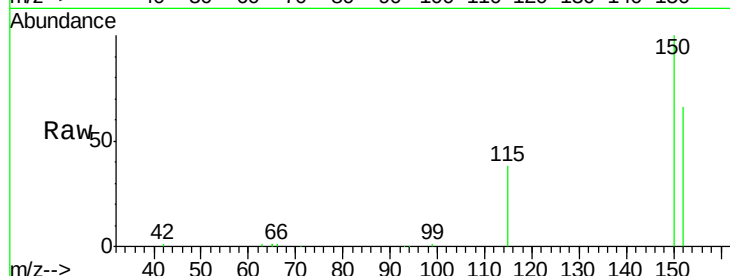
Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



Tot Ion:152 Resp: 74310

Ion Ratio Lower Upper

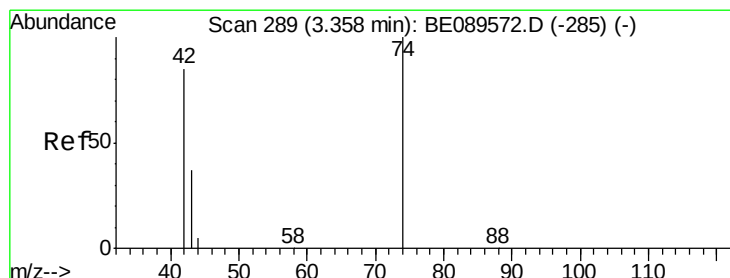
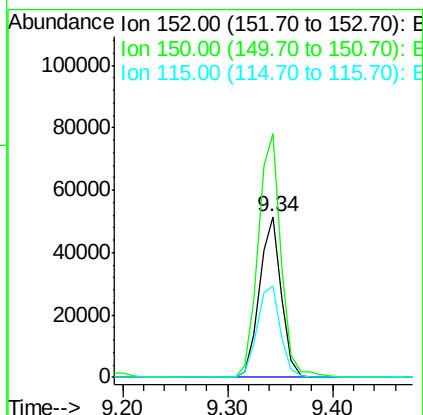
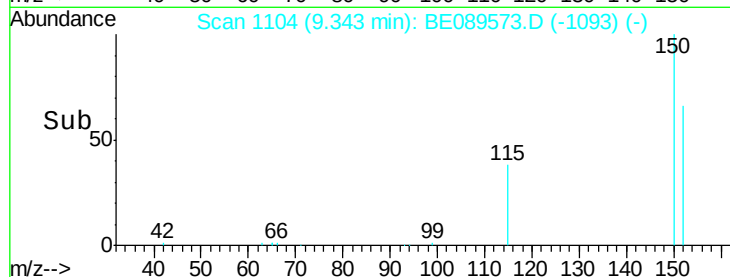
152 100

150 151.5 120.2 180.2

115 57.1 45.2 67.8

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#2

n-Nitrosodimethylamine

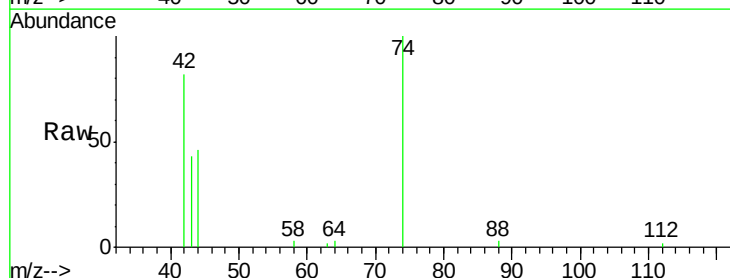
Concen: 0.75 ng

RT: 3.37 min Scan# 290

Delta R.T. 0.01 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11



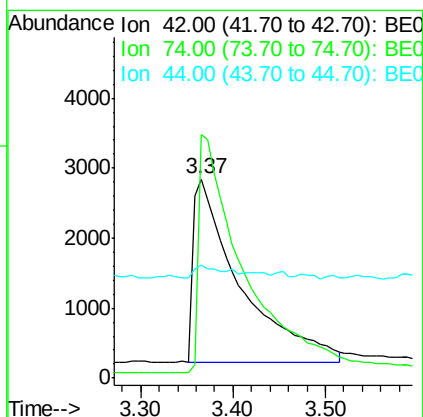
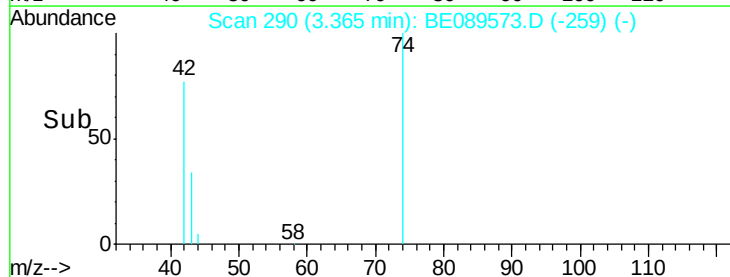
Tgt Ion: 42 Resp: 9298

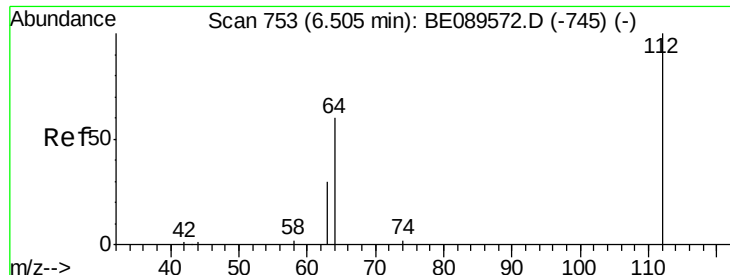
Ion Ratio Lower Upper

42 100

74 122.1 90.1 135.1

44 56.6 35.0 52.4#





#3

2-Fluorophenol

Concen: 0.79 ng

RT: 6.51 min Scan# 753

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

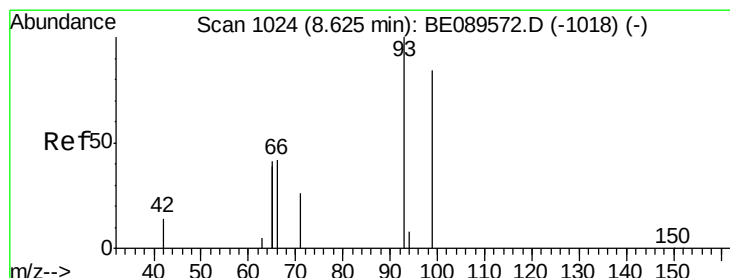
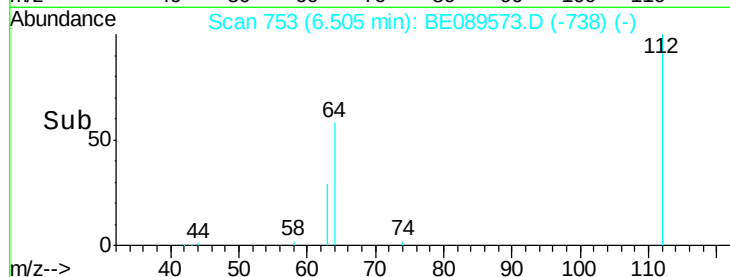
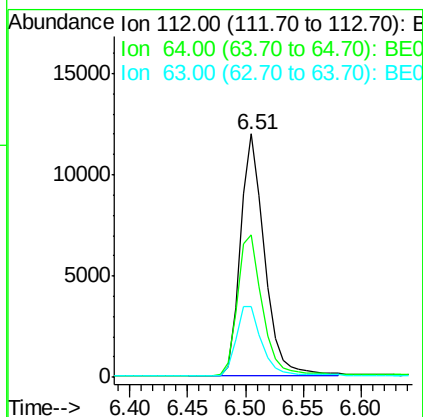
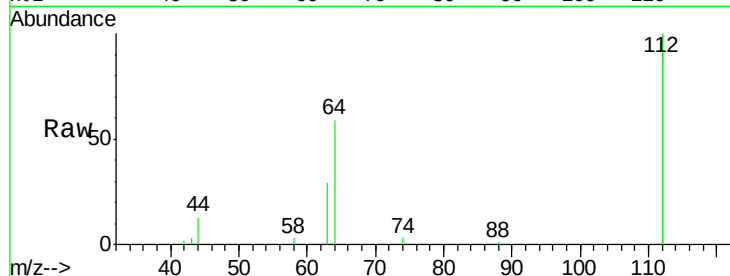
LabSampleId :

SSTDICC0.8

Tot Ion:	112	Resp:	17302
Ion Ratio	Lower	Upper	
112	100		
64	58.5	48.6	72.8
63	29.1	24.6	37.0

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#4

Phenol-d6

Concen: 0.80 ng

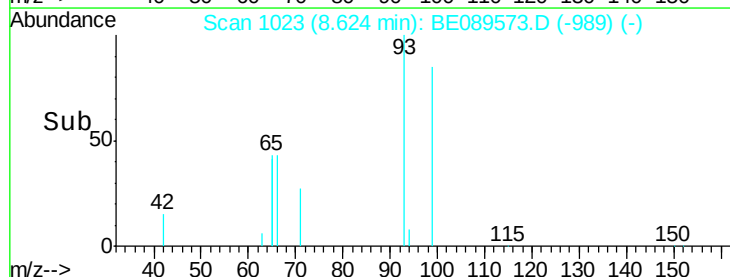
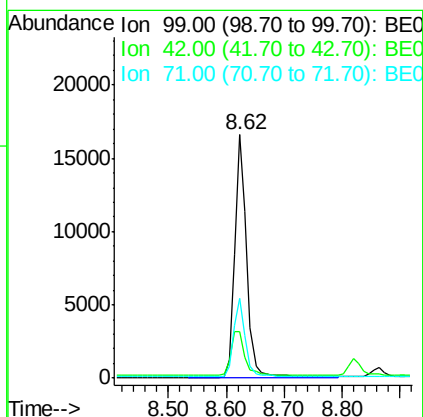
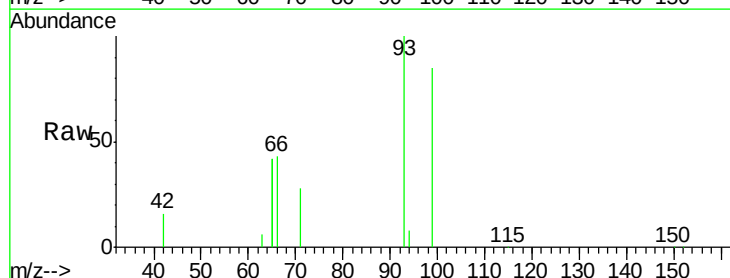
RT: 8.62 min Scan# 1023

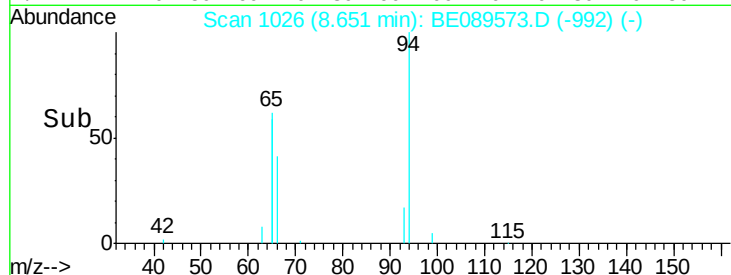
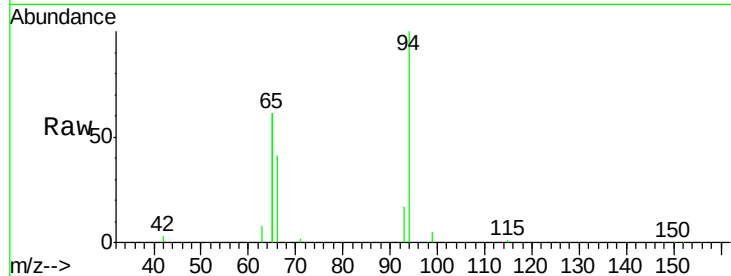
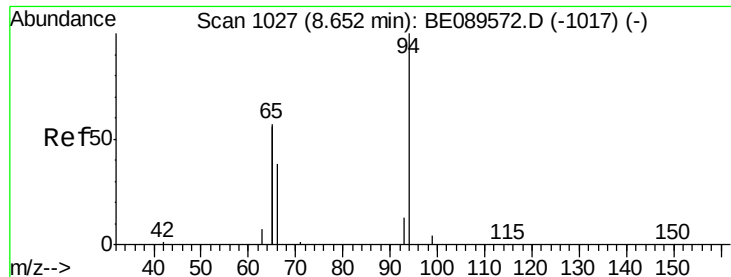
Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tgt Ion:	99	Resp:	23017
Ion Ratio	Lower	Upper	
99	100		
42	19.0	13.9	20.9
71	32.5	25.2	37.8





#5

Phenol

Concen: 0.80 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tot Ion:	94	Resp:	24936
Ion	Ratio	Lower	Upper
94	100		
65	122.9	94.5	134.5
66	40.9	18.2	58.2

Instrument :

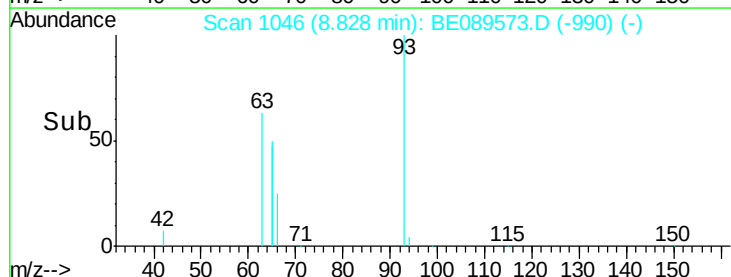
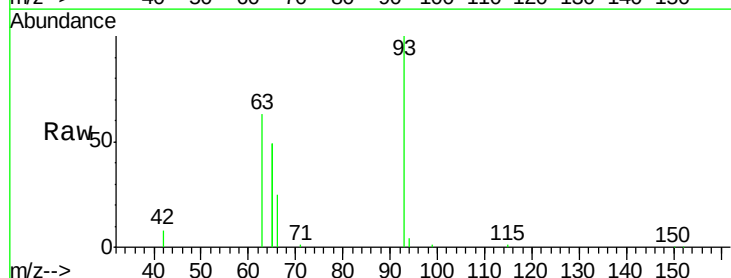
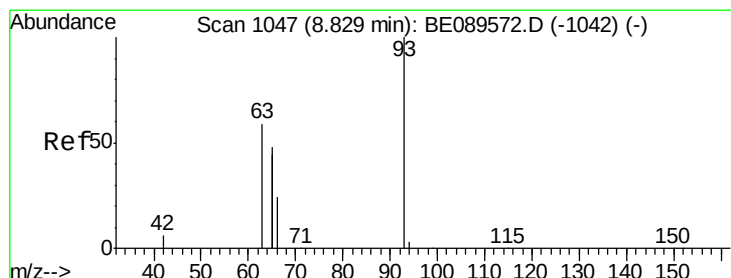
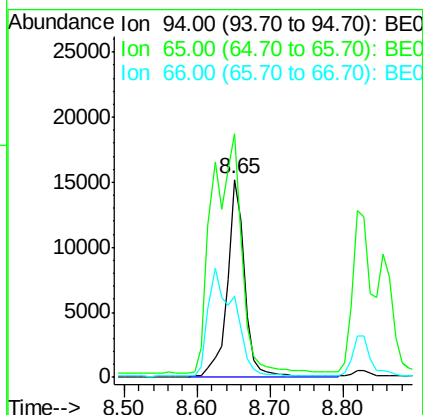
BNA_E

LabSampleId :

SSTDIC0.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.81 ng

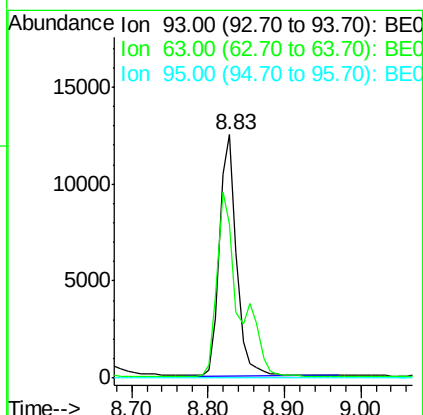
RT: 8.83 min Scan# 1046

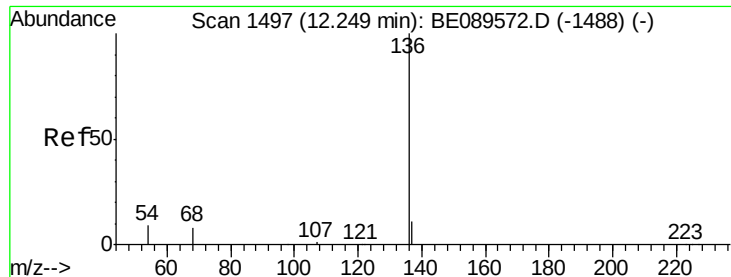
Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tgt Ion:	93	Resp:	19126
Ion	Ratio	Lower	Upper
93	100		
63	101.5	81.7	122.5
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

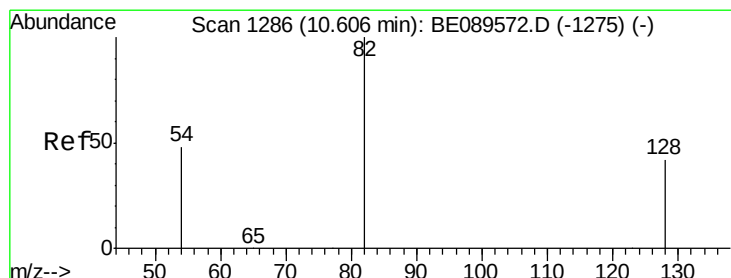
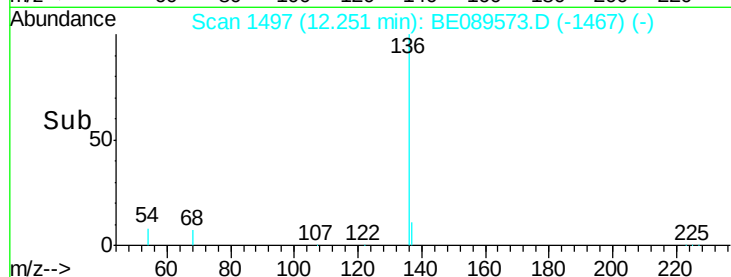
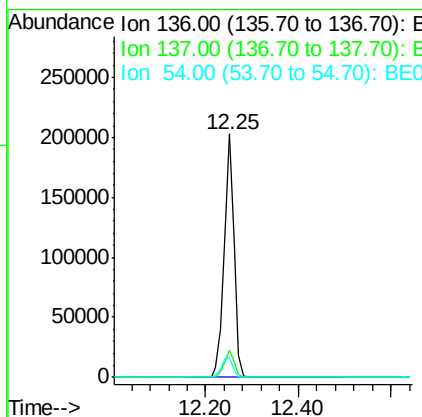
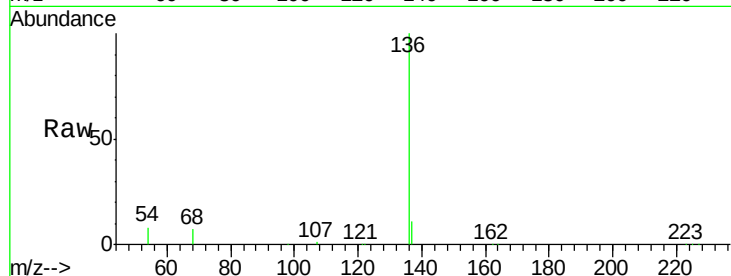
LabSampleId :

SSTDIC0.8

Tot Ion:	136	Resp:	299434
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	8.0	7.0	10.4

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#8

Nitrobenzene-d5

Concen: 0.69 ng

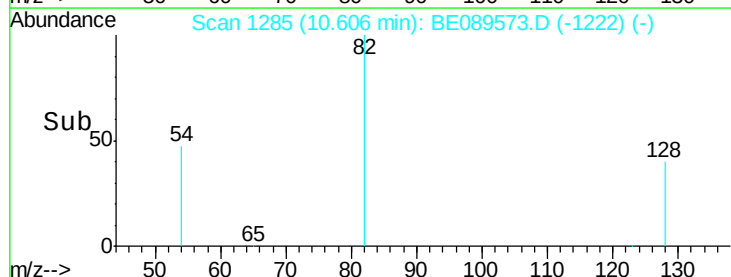
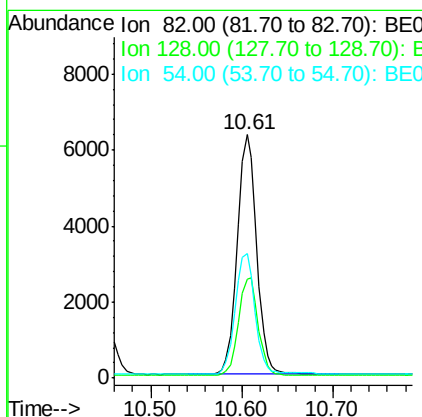
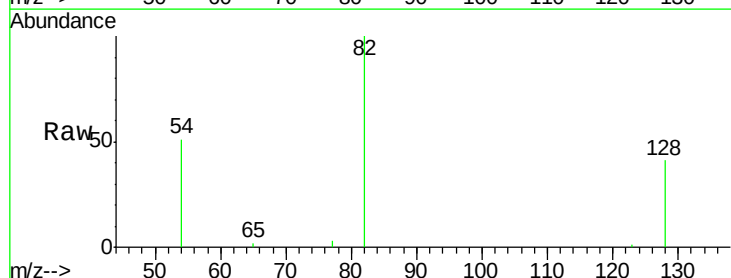
RT: 10.61 min Scan# 1285

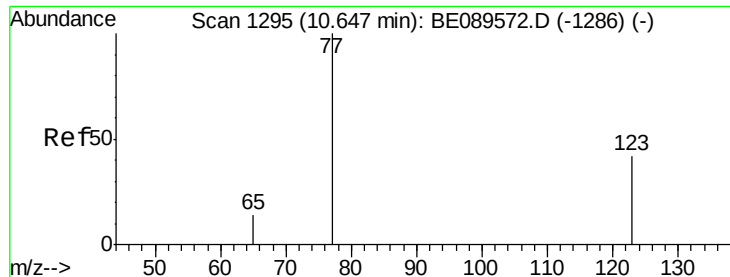
Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tgt Ion:	82	Resp:	9330
Ion Ratio	Lower	Upper	
82	100		
128	40.7	33.8	50.6
54	51.4	39.0	58.6





#9

Nitrobenzene

Concen: 0.65 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

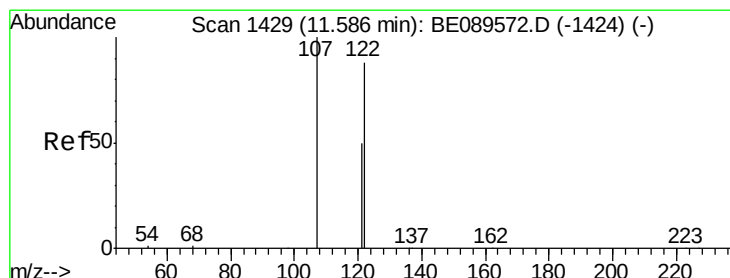
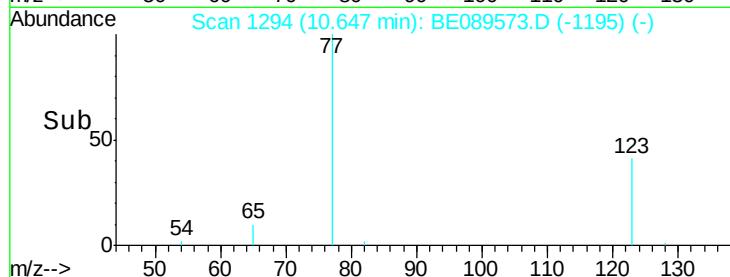
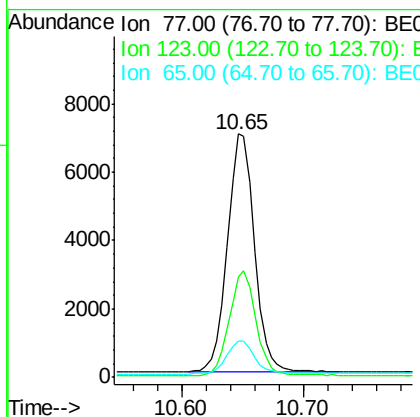
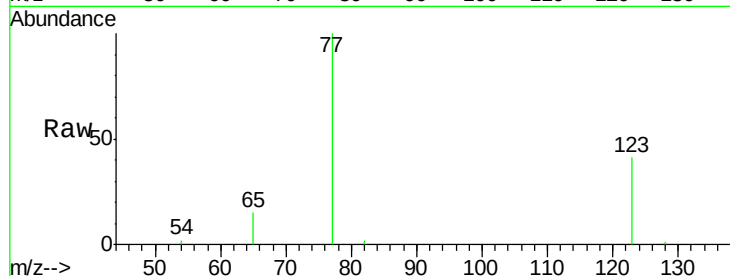
LabSampleId :

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Tot Ion:	77	Resp:	10732
Ion	Ratio	Lower	Upper
77	100		
123	43.0	34.4	51.6
65	14.5	11.4	17.2

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#10

2,4-Dimethylphenol

Concen: 0.77 ng

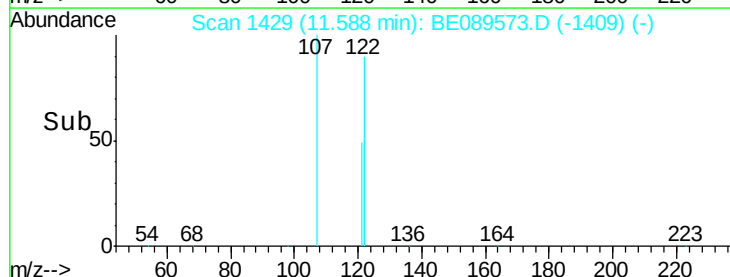
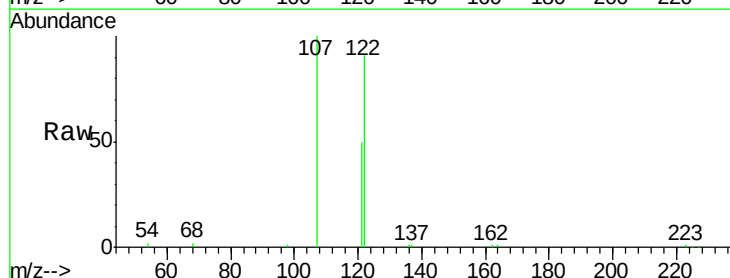
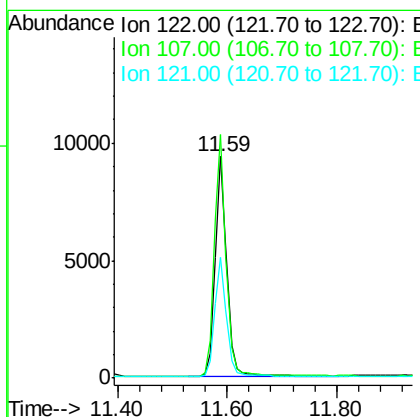
RT: 11.59 min Scan# 1429

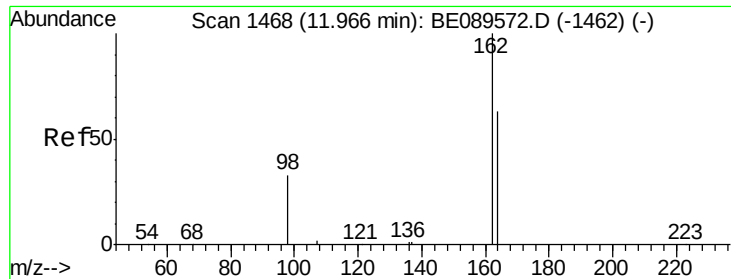
Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tgt Ion:	122	Resp:	13985
Ion	Ratio	Lower	Upper
122	100		
107	110.0	90.9	136.3
121	54.5	45.4	68.2





#11

2,4-Dichlorophenol

Concen: 0.77 ng

RT: 11.97 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

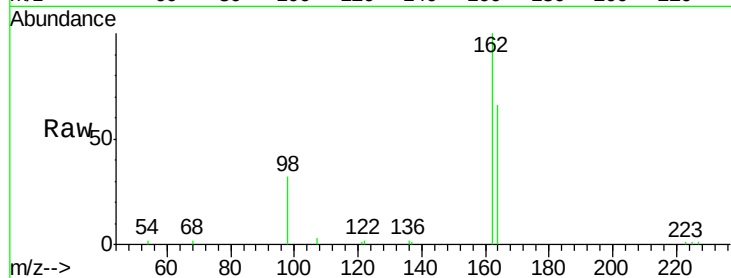
LabSampleId :

SSTDIC0.8

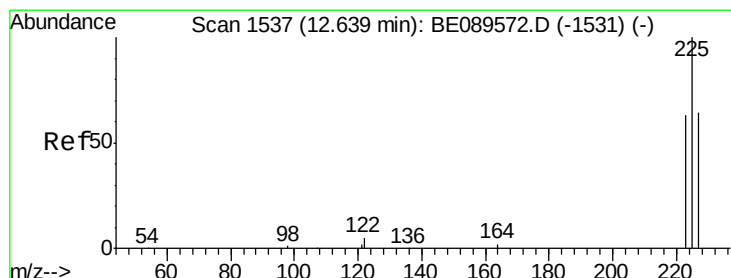
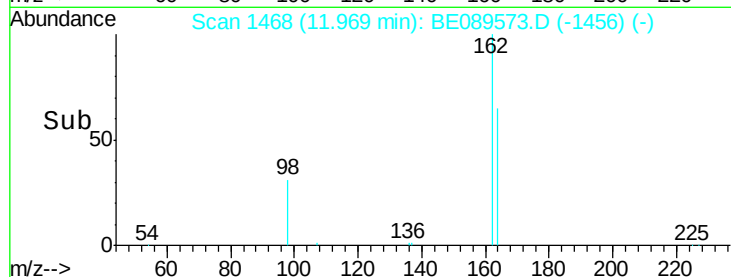
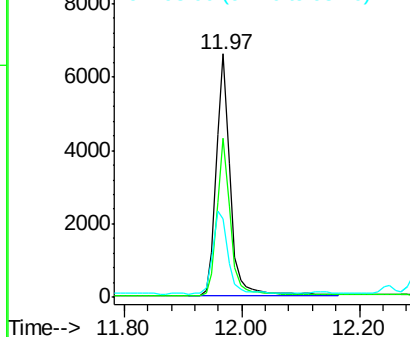
Tot Ion:	162	Resp:	10861
Ion Ratio	Lower	Upper	
162	100		
164	65.6	43.4	83.4
98	32.2	14.6	54.6

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



#12

Hexachlorobutadiene

Concen: 0.84 ng

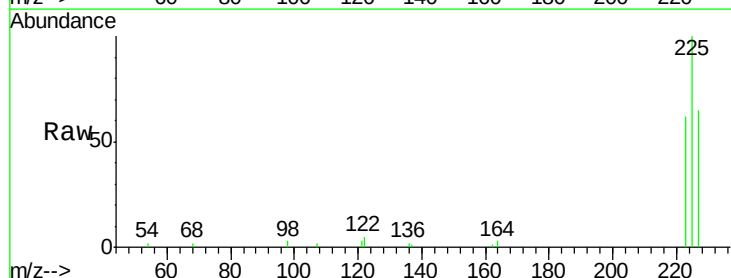
RT: 12.64 min Scan# 1537

Delta R.T. 0.00 min

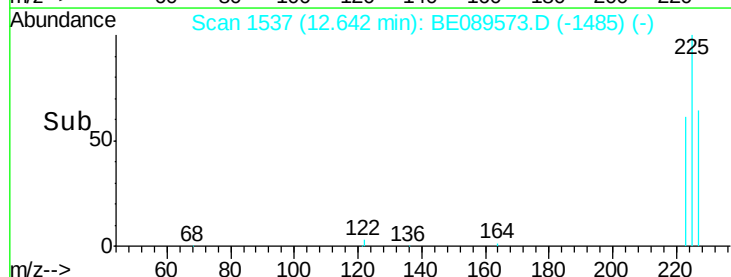
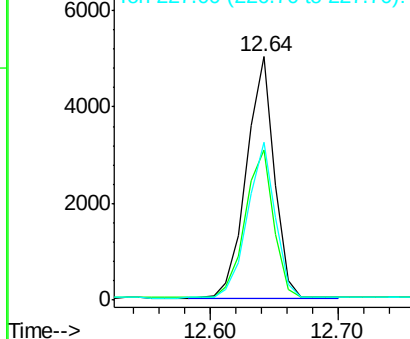
Lab File: BE089573.D

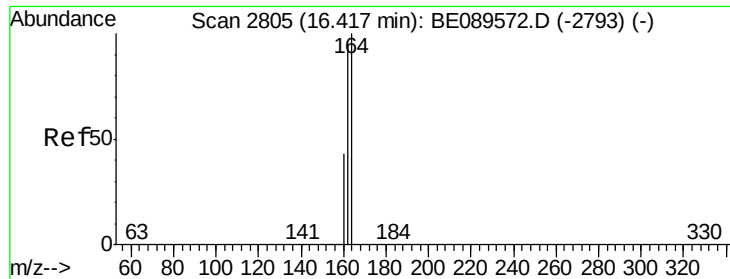
Acq: 16 Feb 2015 17:11

Tgt Ion:	225	Resp:	7562
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.4	75.6
227	63.7	51.0	76.6



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





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

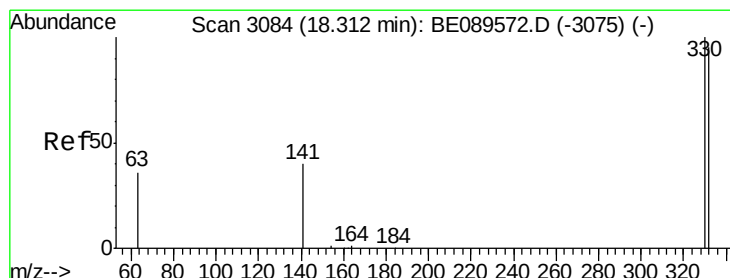
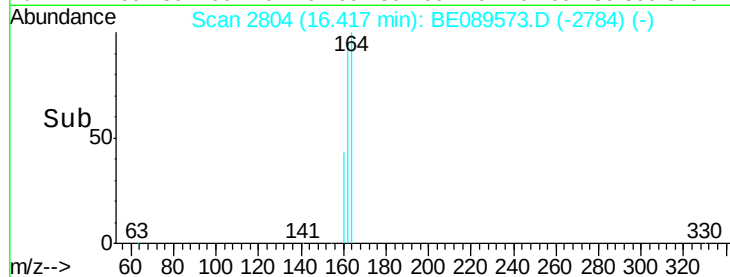
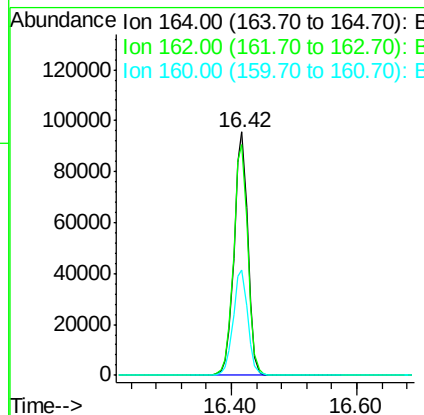
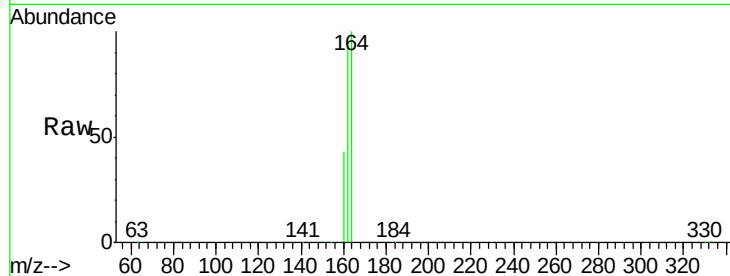
LabSampleId :

SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.0	76.2	114.4
160	43.2	34.7	52.1

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#14

2,4,6-Tribromophenol

Concen: 0.68 ng

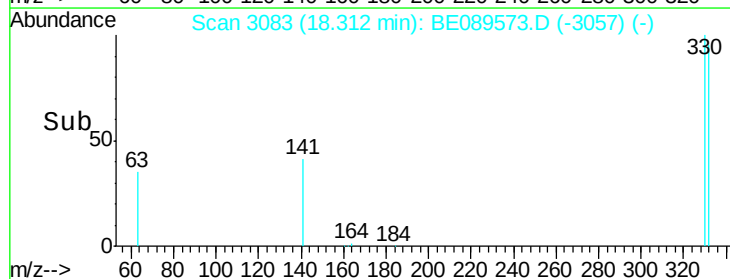
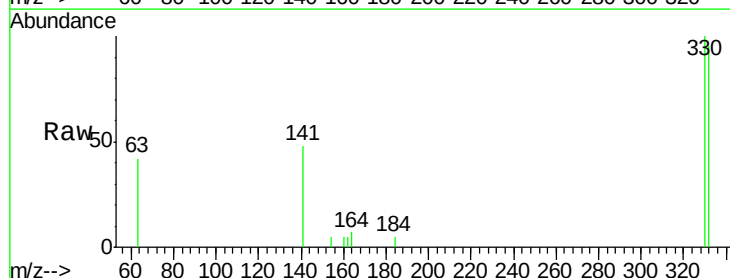
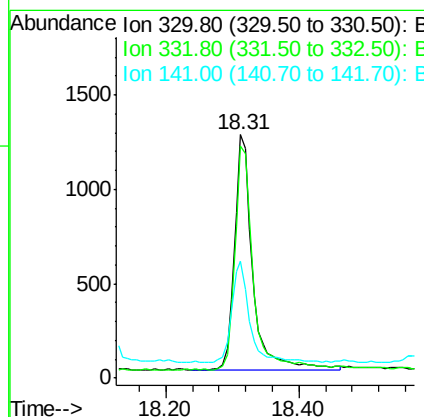
RT: 18.31 min Scan# 3083

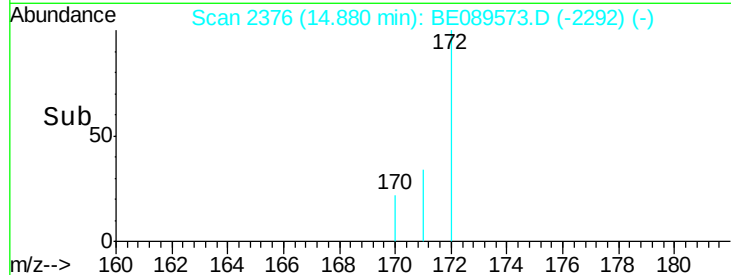
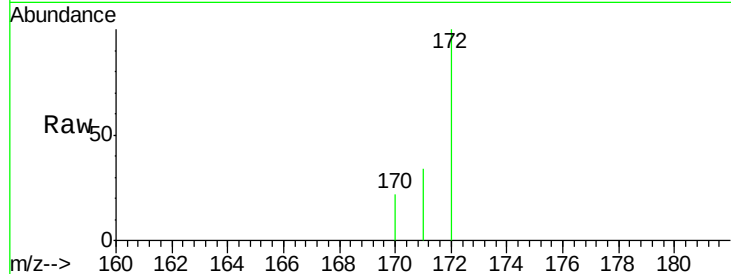
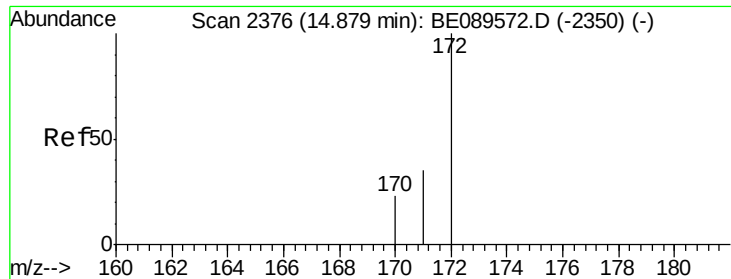
Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.3	117.5
141	42.9	33.4	50.0





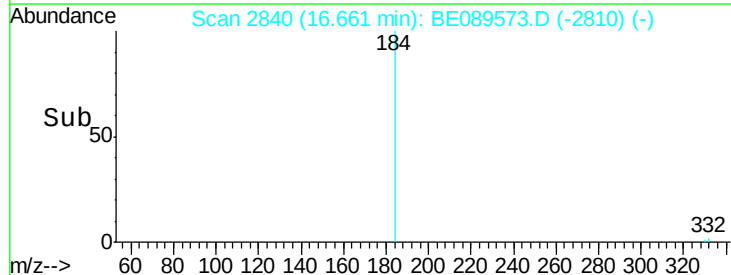
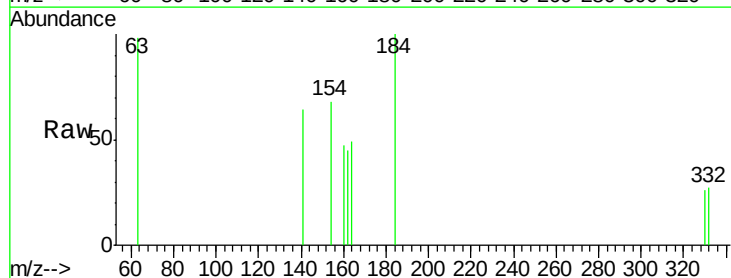
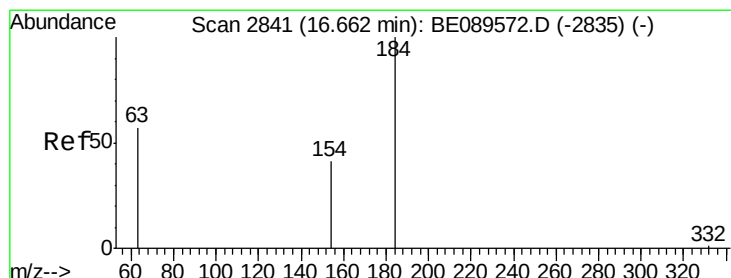
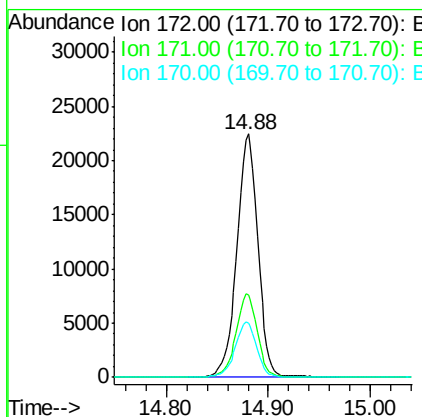
#15
2-Fluorobiphenyl
Concen: 0.82 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tot Ion	Ion	Ratio	Lower	Upper
32087	172	100		
	171	33.9	27.8	41.6
	170	22.5	18.5	27.7

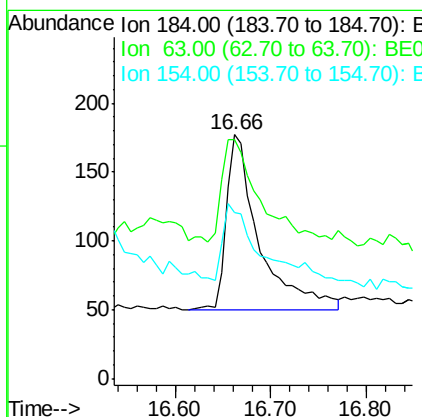
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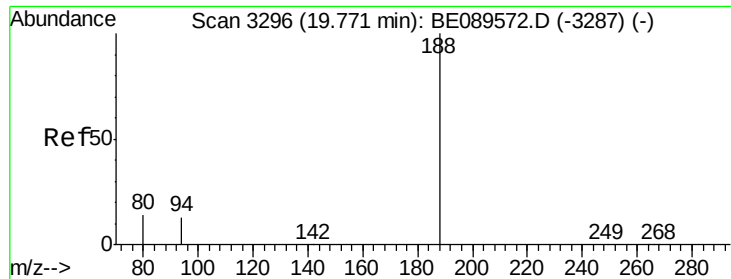
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#16
2,4-Dinitrophenol
Concen: 0.51 ng
RT: 16.66 min Scan# 2840
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion	Ion	Ratio	Lower	Upper
307	184	100		
	63	98.3	70.8	106.2
	154	68.4	52.9	79.3





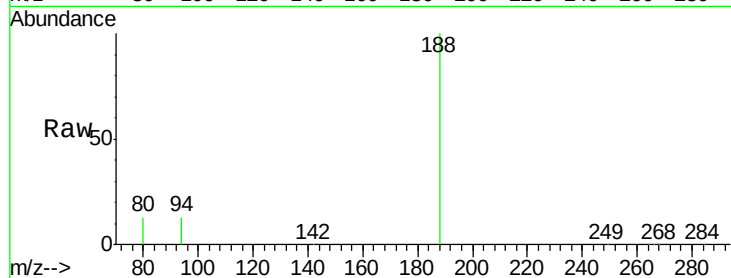
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3295
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

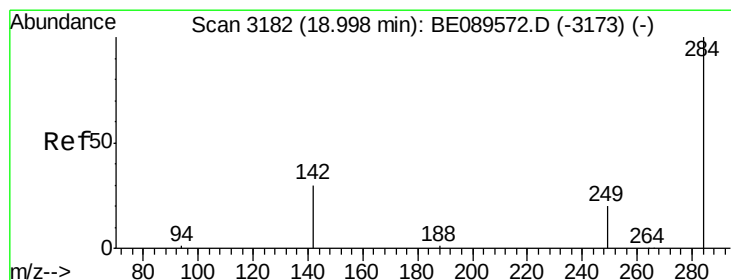
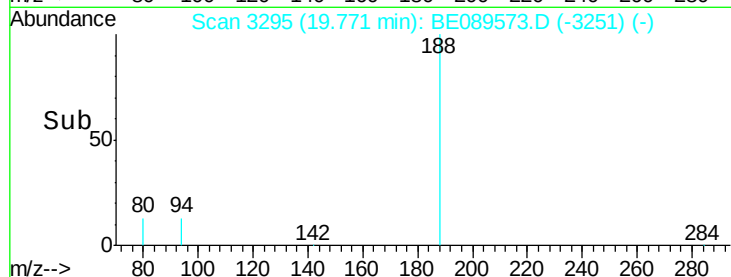
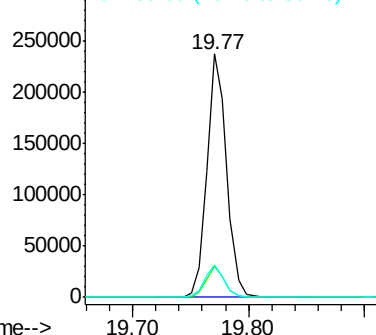
Tot Ion	Ratio	Resp	Lower	Upper
188	100	281319		
94	12.6	10.2	15.4	
80	13.4	11.0	16.6	

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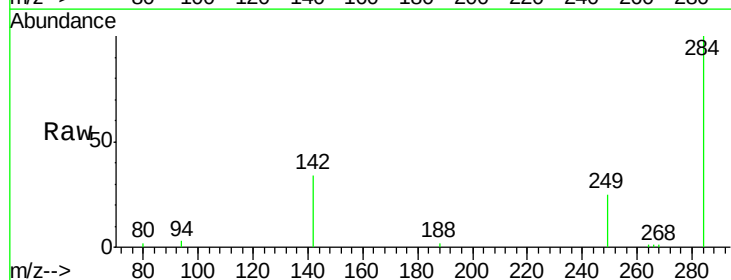


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

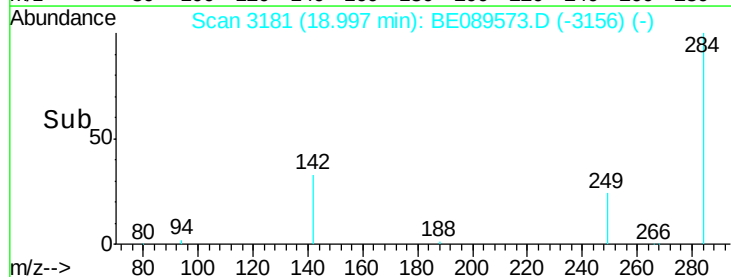
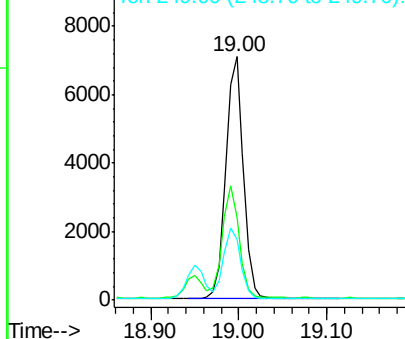


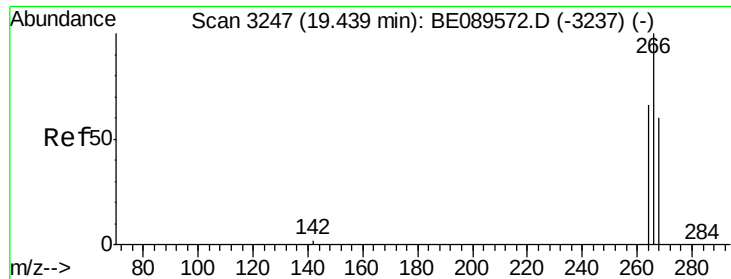
#18
Hexachlorobenzene
Concen: 0.82 ng
RT: 19.00 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	9691		
142	34.0	27.6	41.4	
249	24.6	20.0	30.0	



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





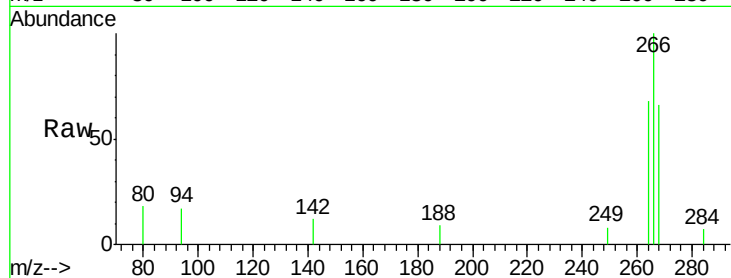
#19
 Pentachlorophenol
 Concen: 0.55 ng
 RT: 19.45 min Scan# 3247
 Delta R.T. 0.01 min
 Lab File: BE089573.D
 Acq: 16 Feb 2015 17:11

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

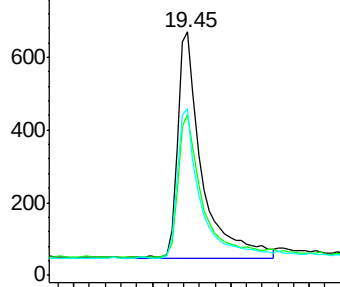
Tot Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.2	75.4
264	68.4	54.4	81.6

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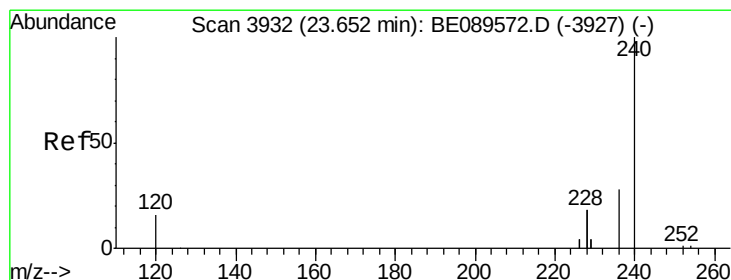
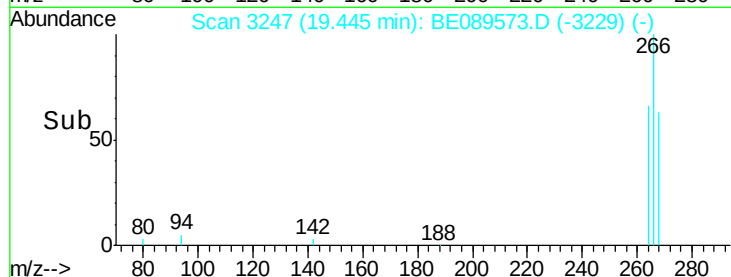
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Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

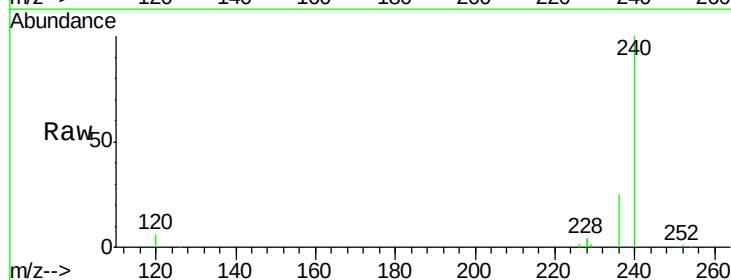


Time-->

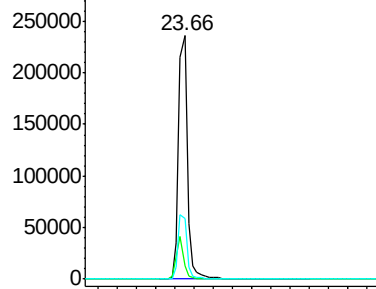


#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3932
 Delta R.T. 0.01 min
 Lab File: BE089573.D
 Acq: 16 Feb 2015 17:11

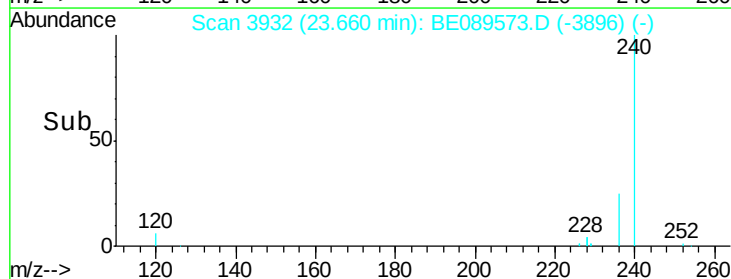
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	12.7	19.1#
236	24.6	22.7	34.1

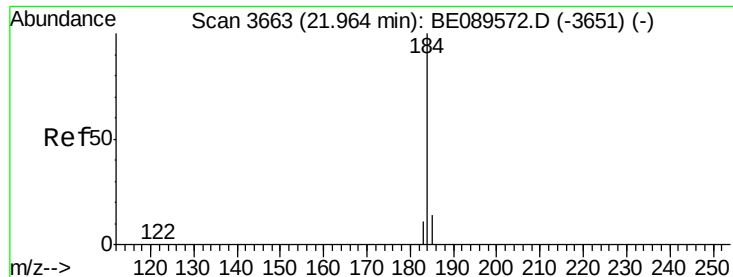


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#21

Benzidine

Concen: 0.53 ng

RT: 21.96 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

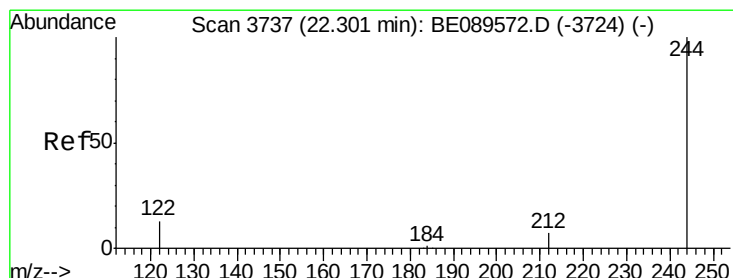
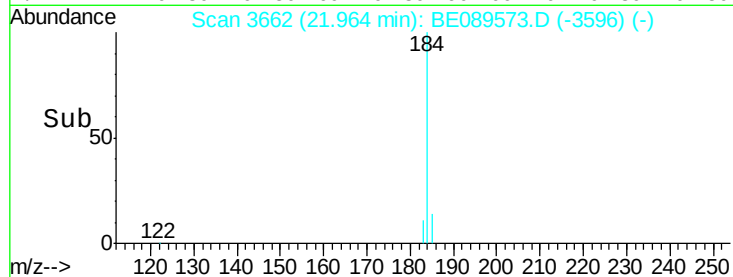
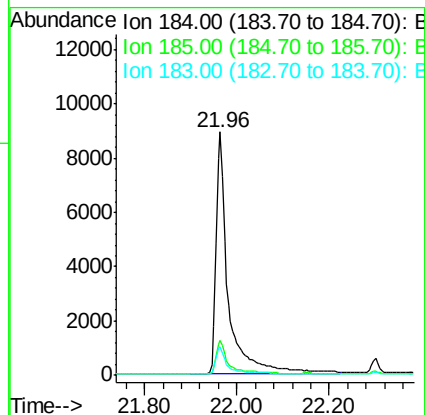
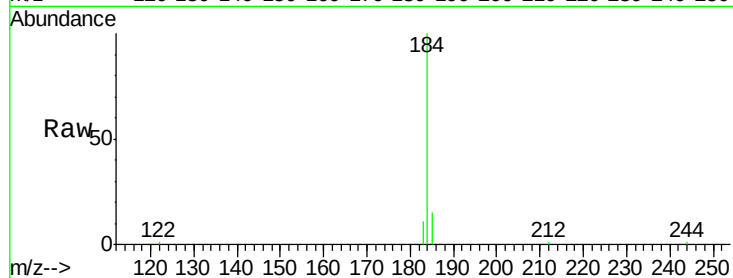
LabSampleId :

SSTDICC0.8

Tot Ion:	184	Resp:	16556
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.7	17.5
183	11.5	8.9	13.3

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#22

Terphenyl-d14

Concen: 0.80 ng

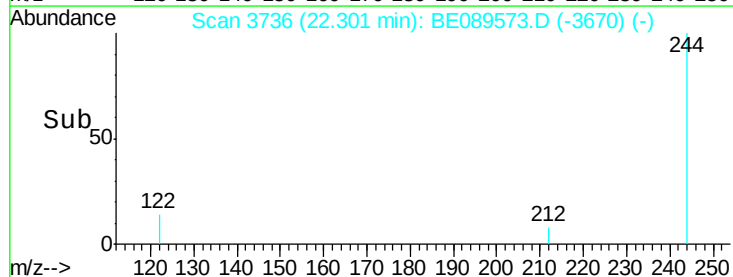
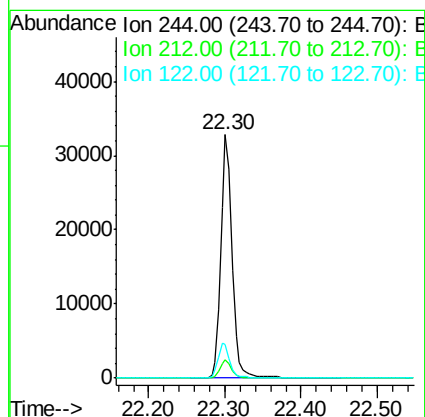
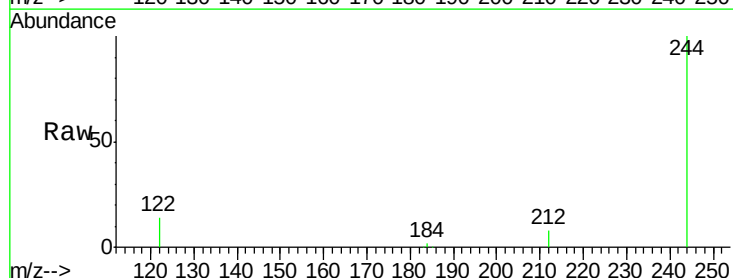
RT: 22.30 min Scan# 3736

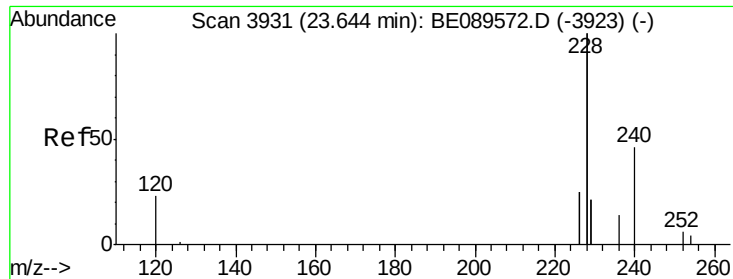
Delta R.T. -0.00 min

Lab File: BE089573.D

Acq: 16 Feb 2015 17:11

Tgt Ion:	244	Resp:	33406
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.9	8.9
122	14.0	10.2	15.2





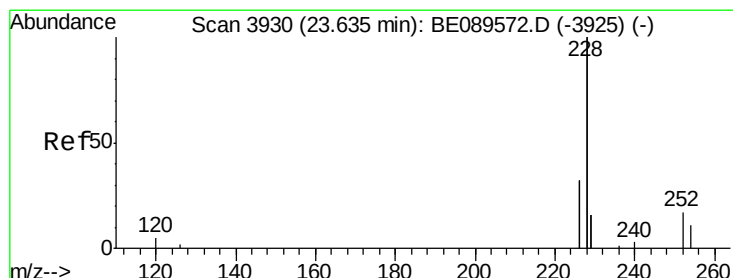
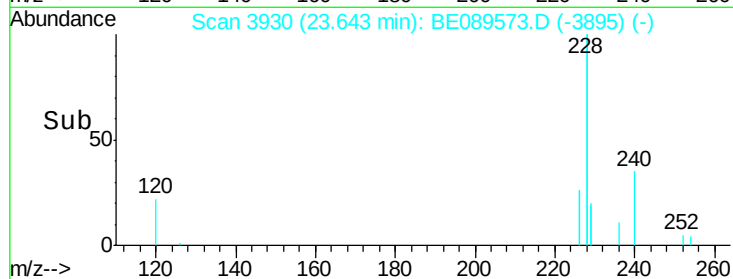
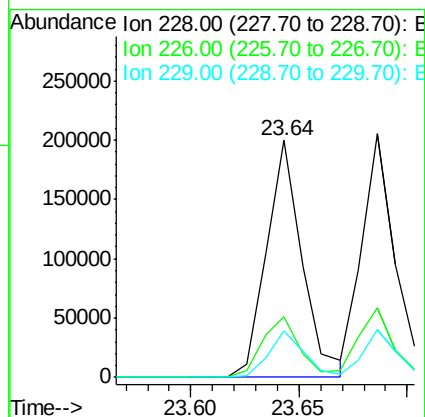
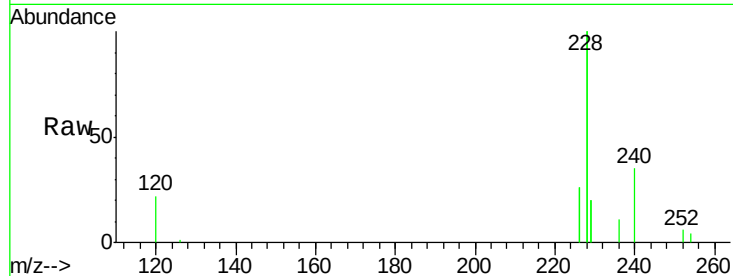
#23
Benzo(a)anthracene
Concen: 0.75 ng
RT: 23.64 min Scan# 3930
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.7	19.9	29.9
229	19.6	16.6	24.8

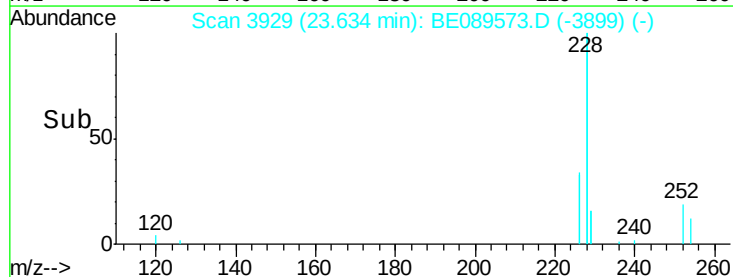
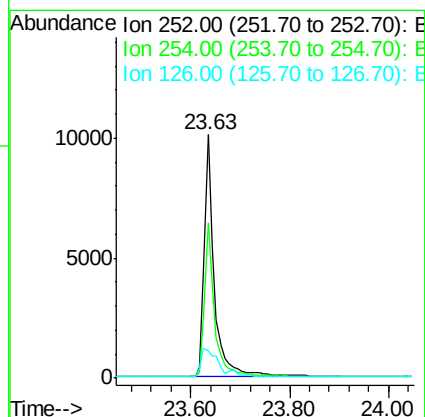
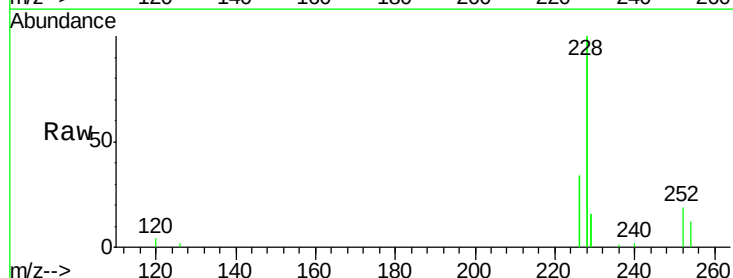
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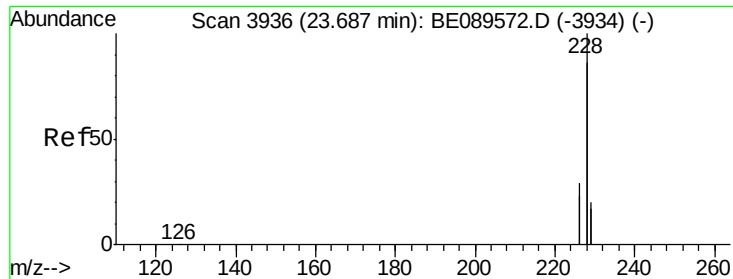
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#24
3,3'-Dichlorobenzidine
Concen: 0.60 ng
RT: 23.63 min Scan# 3929
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.0	76.4
126	11.3	8.3	12.5





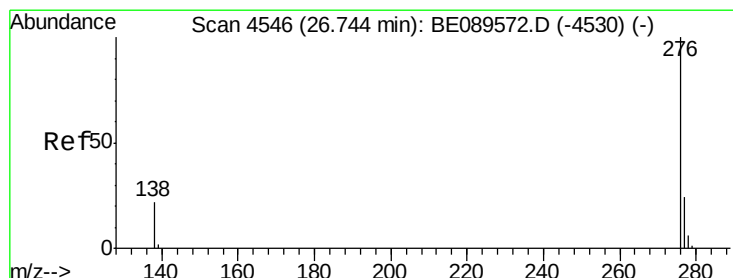
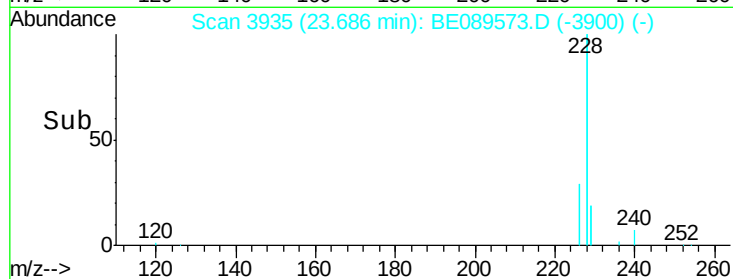
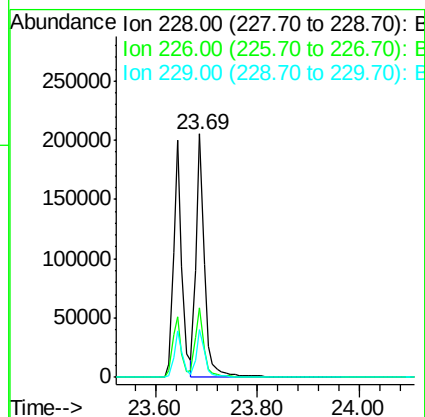
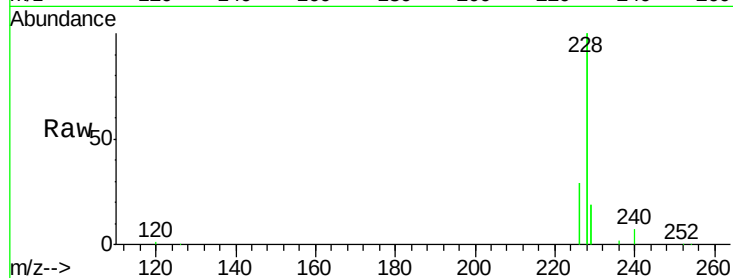
#25
Chrysene
Concen: 0.84 ng
RT: 23.69 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tot Ion	Ratio	Resp	Lower	Upper
228	100	236177		
226	28.7		22.9	34.3
229	19.4		15.8	23.6

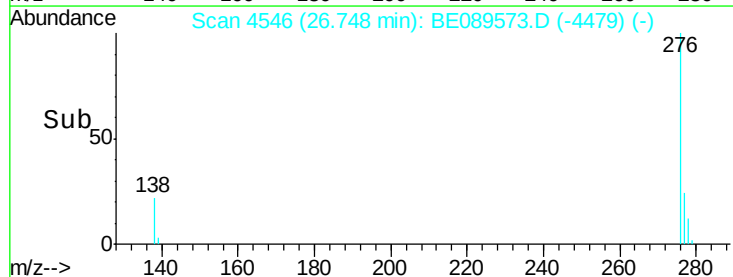
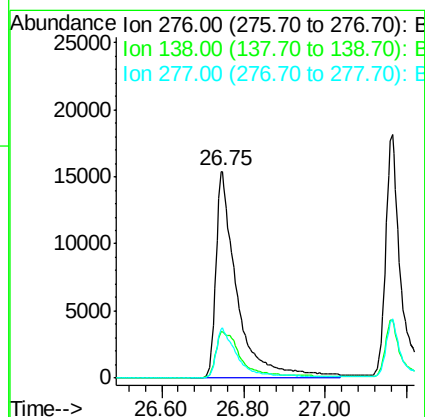
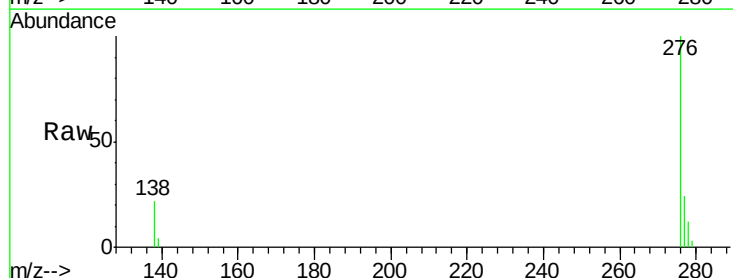
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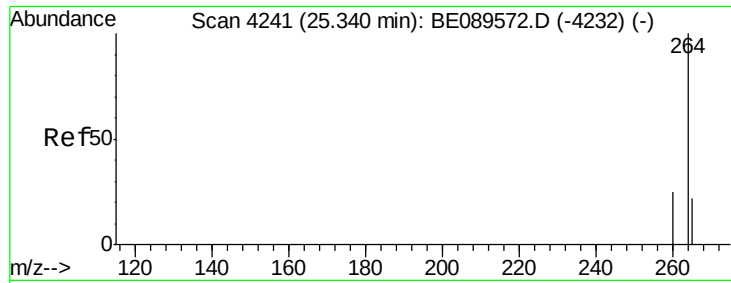
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#26
Indeno(1,2,3-cd)pyrene
Concen: 0.70 ng
RT: 26.75 min Scan# 4546
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	54603		
138	26.5		22.1	33.1
277	24.6		19.4	29.2





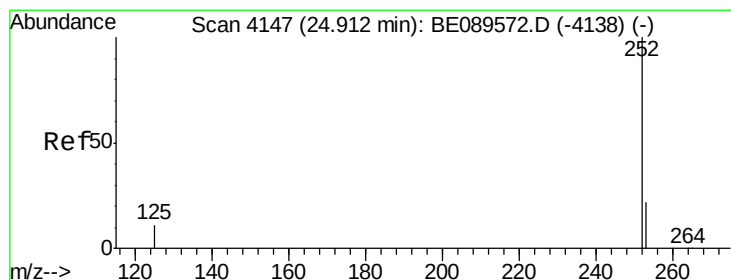
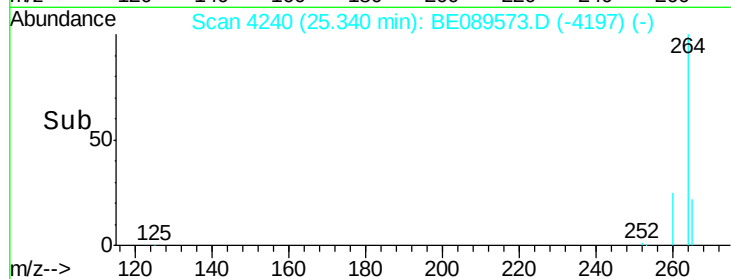
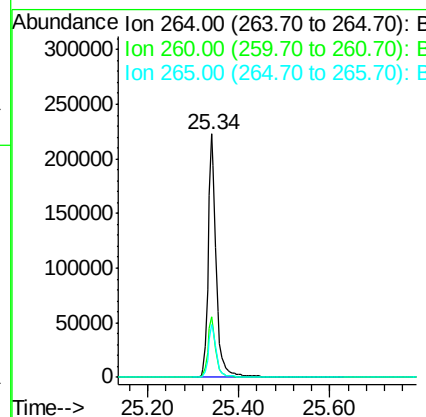
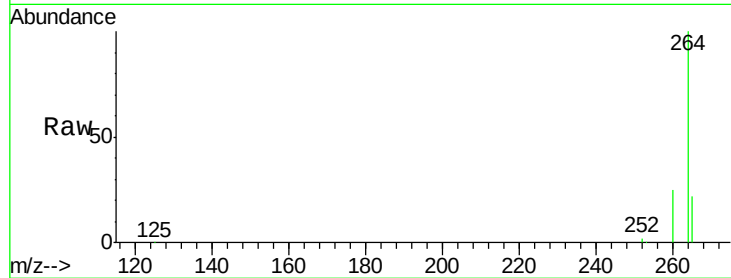
#27
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4240
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.6
265	21.6	17.5	26.3

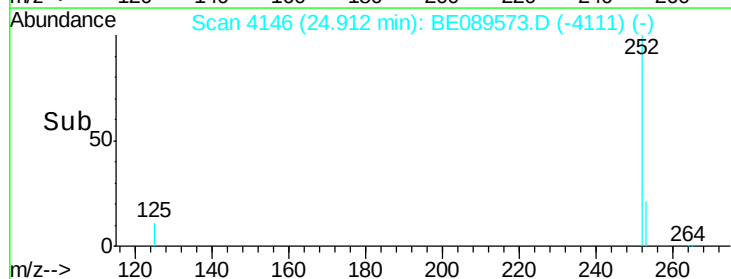
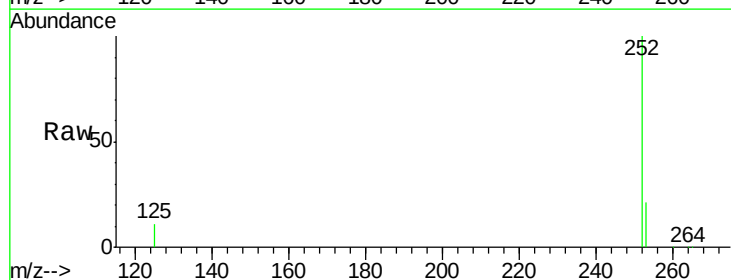
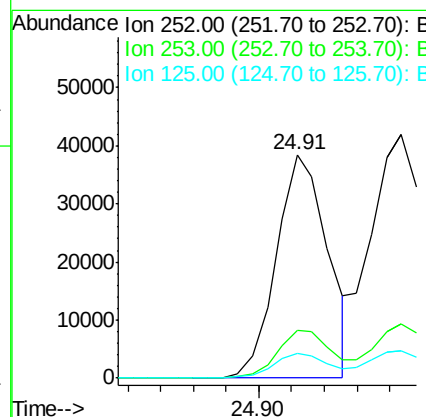
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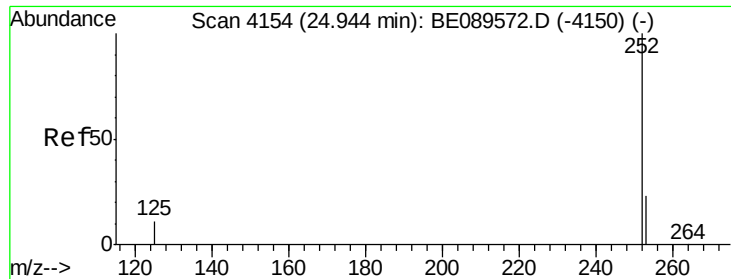
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#28
Benzo(b)fluoranthene
Concen: 0.65 ng
RT: 24.91 min Scan# 4146
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	11.3	9.0	13.4





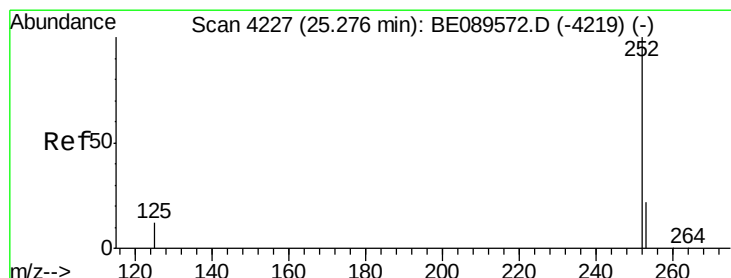
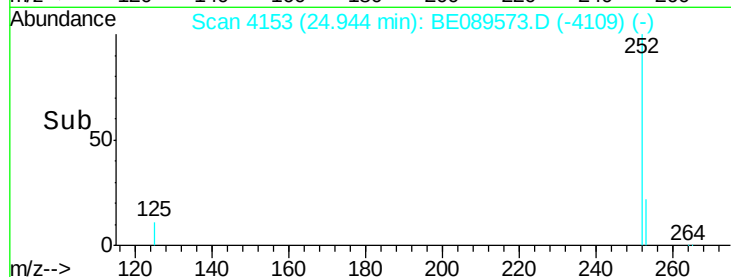
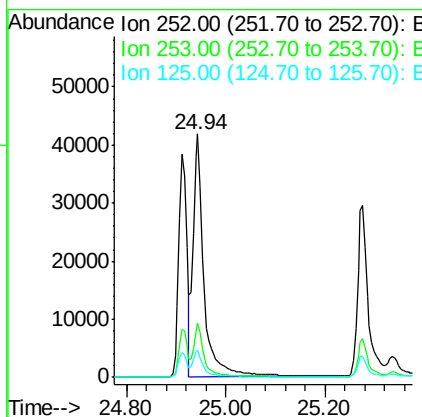
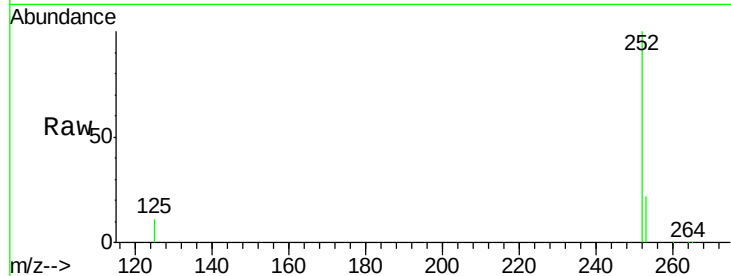
#29
Benzo(k)fluoranthene
Concen: 0.83 ng
RT: 24.94 min Scan# 4153
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	11.2	8.9	13.3

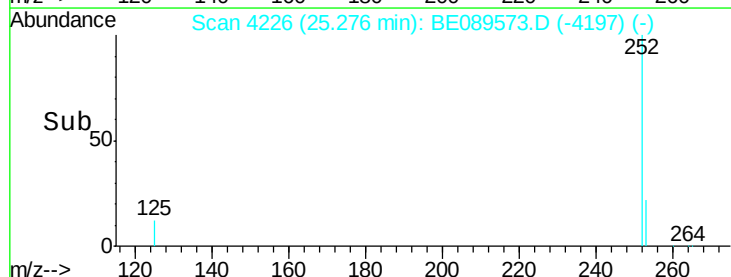
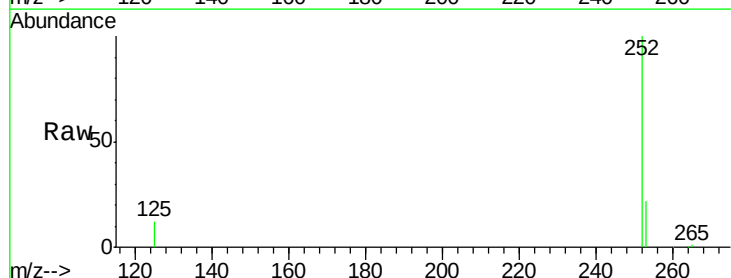
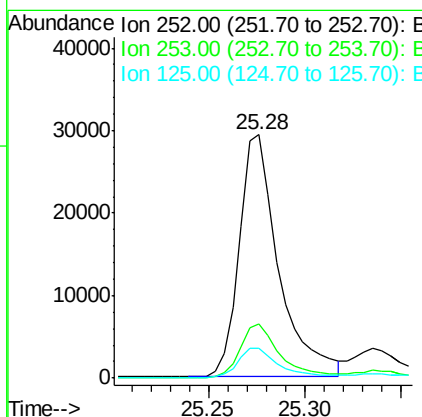
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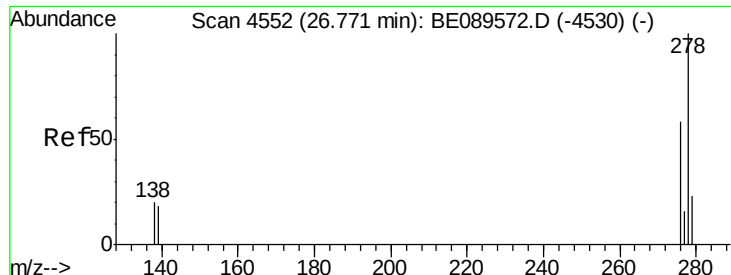
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#30
Benzo(a)pyrene
Concen: 0.68 ng
RT: 25.28 min Scan# 4226
Delta R.T. 0.00 min
Lab File: BE089573.D
Acq: 16 Feb 2015 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.1	9.5	14.3





#31

Dibenzo(a,h)anthracene

Concen: 0.68 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089573.D

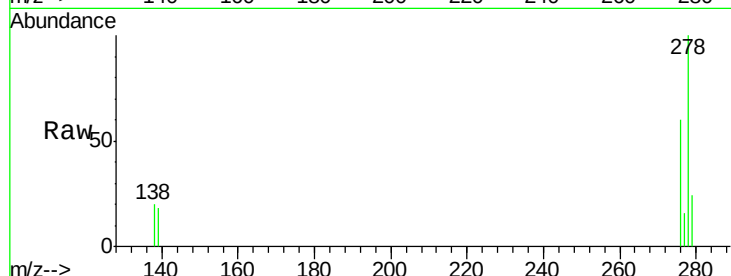
Acq: 16 Feb 2015 17:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



Tot Ion: 278 Resp: 42596

Ion Ratio Lower Upper

278 100

139 18.3 14.7 22.1

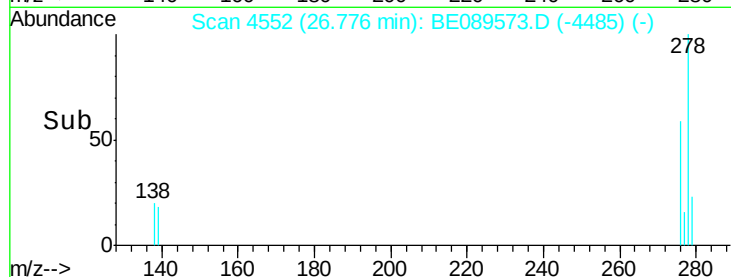
279 23.9 19.0 28.4

Manual Integrations

APPROVED

apatel

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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

