

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089574.D
 Acq On : 16 Feb 2015 17:50
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

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

Quant Time: Feb 16 18:30:50 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 17:44:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	77828	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	307762	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	144300	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	276447	5.00	ng	0.00
20) Chrysene-d12	23.66	240	306517	5.00	ng	0.00
27) Perylene-d12	25.34	264	292141	5.00	ng	0.00

System Monitoring Compounds

3) 2-Fluorophenol	6.50	112	10445	0.46	ng	0.00
4) Phenol-d6	8.62	99	13911	0.46	ng	0.00
8) Nitrobenzene-d5	10.61	82	5645	0.42	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	1371	0.41	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	19119	0.49	ng	0.00
22) Terphenyl-d14	22.30	244	19591	0.46	ng	0.00

Target Compounds

						Qvalue
2) n-Nitrosodimethylamine	3.39	42	5051m	0.39	ng	
5) Phenol	8.65	94	14984	0.46	ng	93
6) bis(2-Chloroethyl)ether	8.83	93	11585	0.47	ng	# 98
9) Nitrobenzene	10.65	77	6353	0.39	ng	100
10) 2,4-Dimethylphenol	11.59	122	8130	0.44	ng	100
11) 2,4-Dichlorophenol	11.97	162	6487	0.45	ng	99
12) Hexachlorobutadiene	12.64	225	4643	0.50	ng	99
16) 2,4-Dinitrophenol	16.67	184	128	0.23	ng	# 68
18) Hexachlorobenzene	19.00	284	5791	0.50	ng	99
19) Pentachlorophenol	19.45	266	768	0.35	ng	94
21) Benzidine	21.96	184	7923	0.27	ng	98
23) Benzo(a)anthracene	23.64	228	135904	0.44	ng	97
24) 3,3'-Dichlorobenzidine	23.64	252	7539	0.32	ng	99
25) Chrysene	23.69	228	143644	0.49	ng	100
26) Indeno(1,2,3-cd)pyrene	26.75	276	30816	0.39	ng	# 81
28) Benzo(b)fluoranthene	24.91	252	23187	0.35	ng	100
29) Benzo(k)fluoranthene	24.94	252	38401	0.46	ng	99
30) Benzo(a)pyrene	25.28	252	23008	0.36	ng	99
31) Dibenzo(a,h)anthracene	26.78	278	23759	0.37	ng	100

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

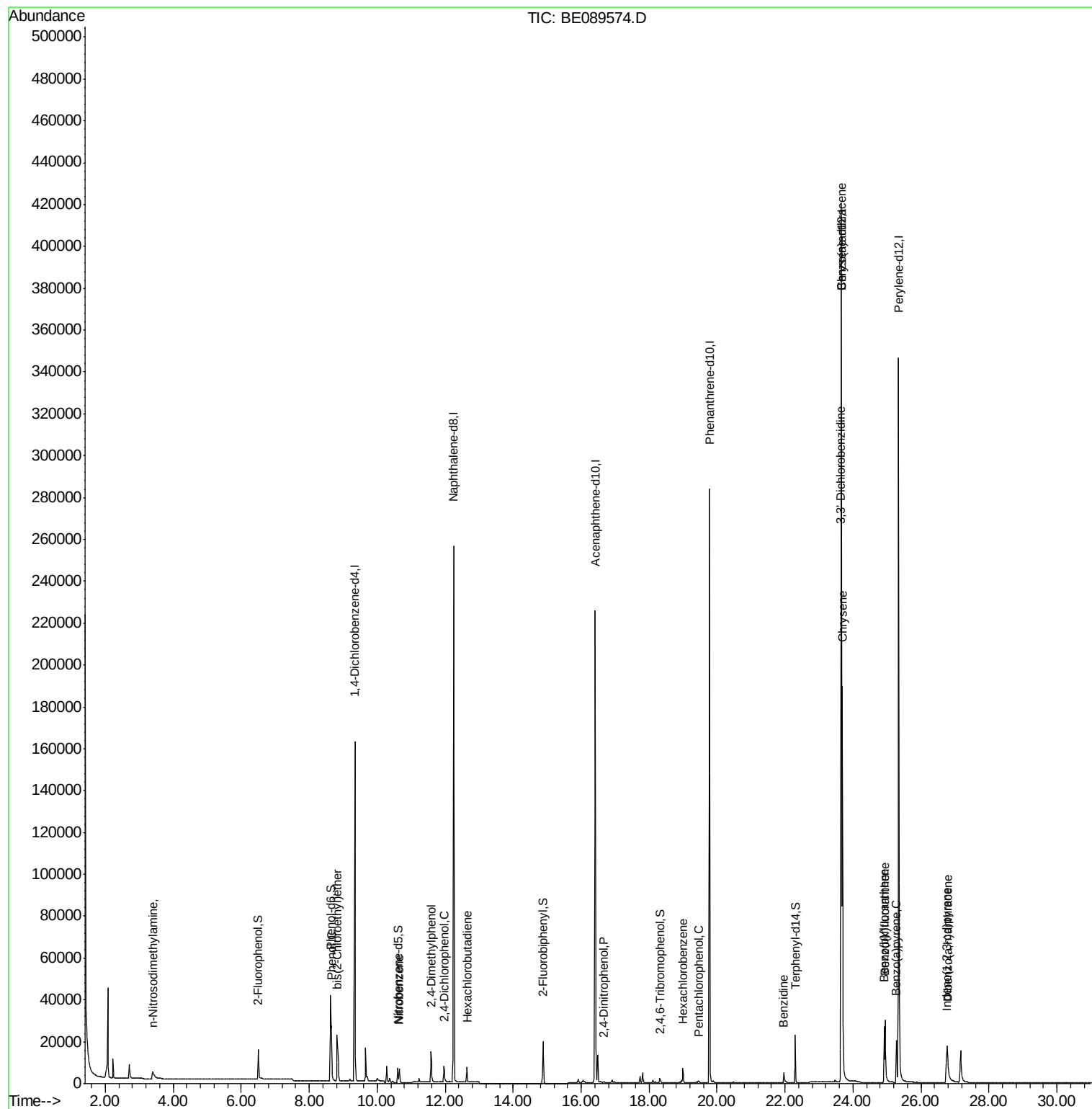
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
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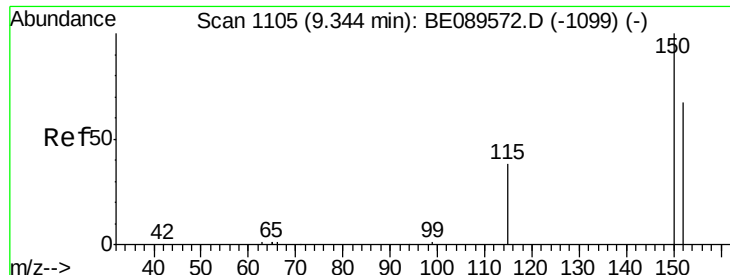
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

Tot Ion:152 Resp: 77828

Ion Ratio Lower Upper

152 100

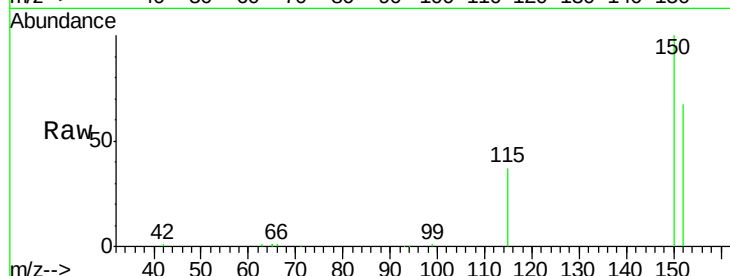
150 148.9 120.2 180.2

115 55.3 45.2 67.8

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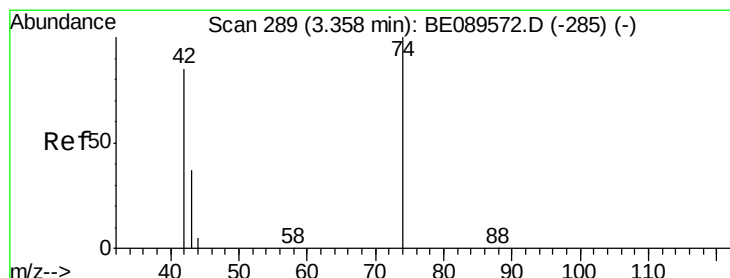
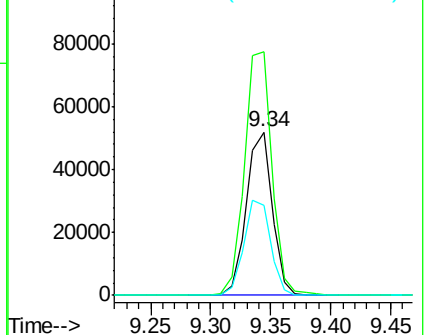
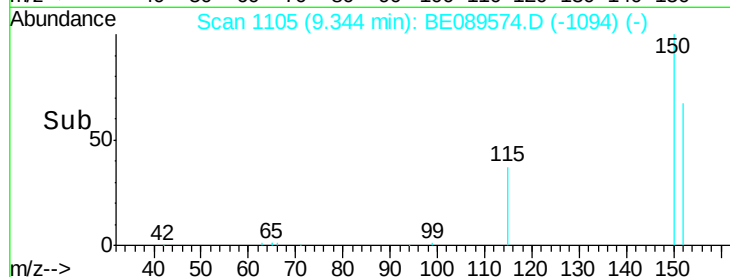
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.39 min Scan# 293

Delta R.T. 0.03 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

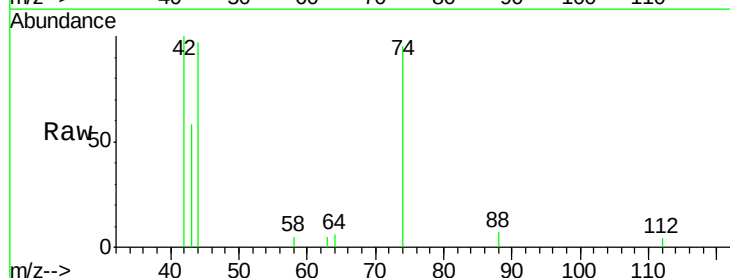
Tgt Ion: 42 Resp: 5051

Ion Ratio Lower Upper

42 100

74 94.9 90.1 135.1

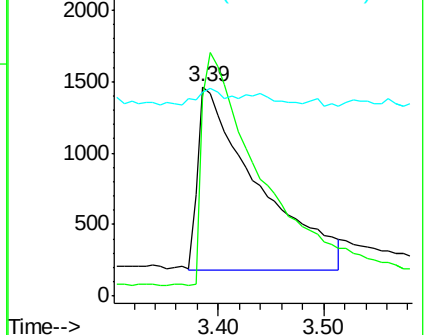
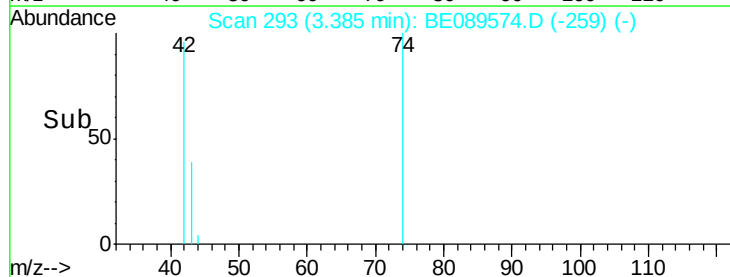
44 97.4 35.0 52.4#

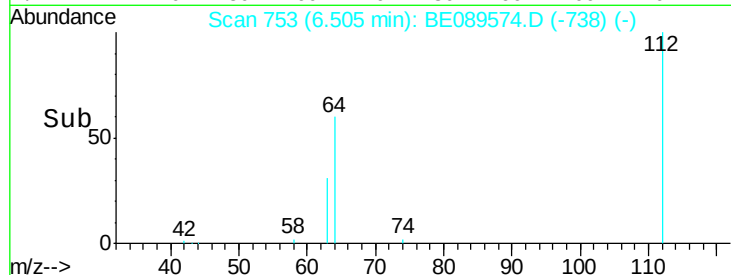
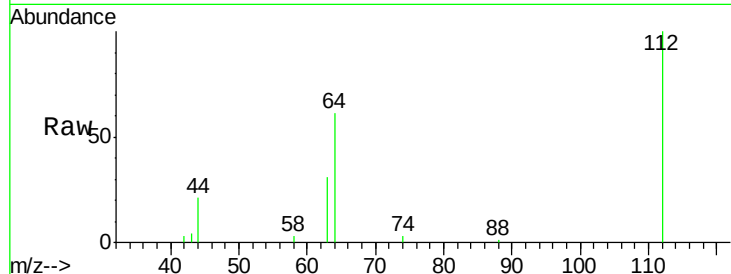
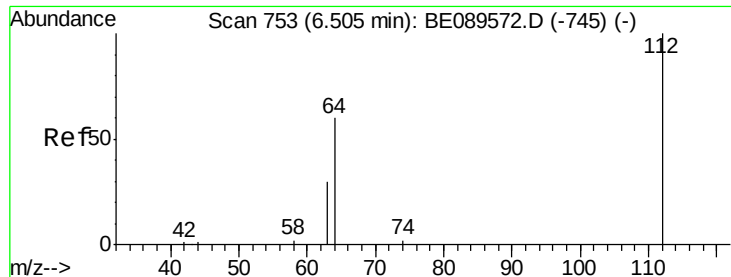


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





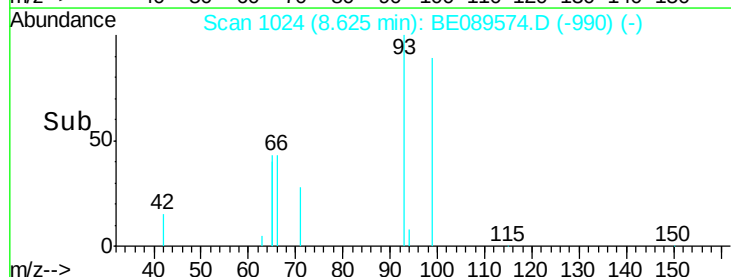
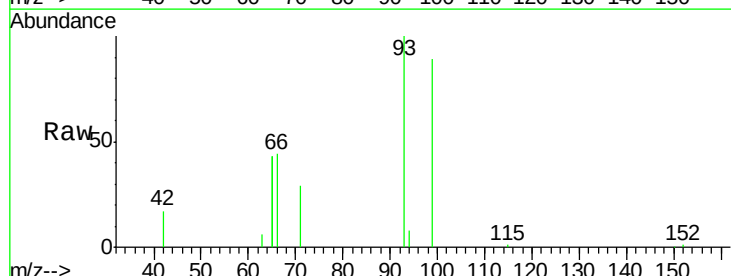
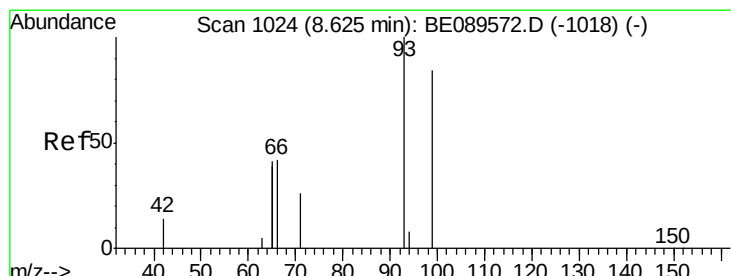
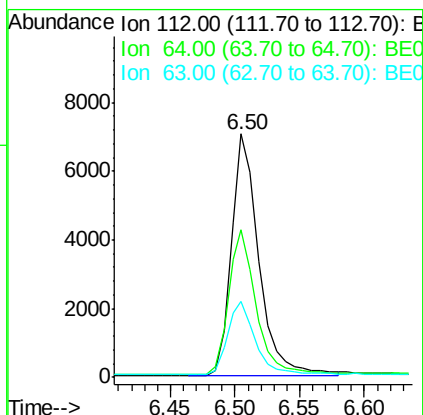
#3
2-Fluorophenol
Concen: 0.46 ng
RT: 6.50 min Scan# 753
Delta R.T. 0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

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BNA_E
LabSampleId :
SSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
112	100	10445		
64	60.6	48.6	72.8	
63	31.3	24.6	37.0	

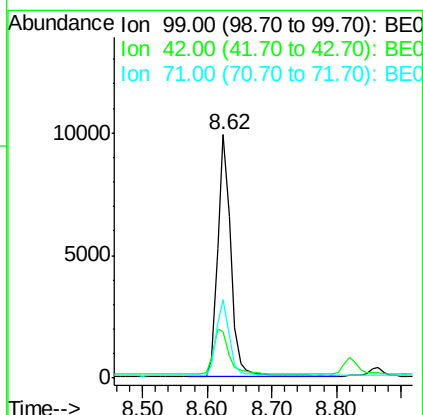
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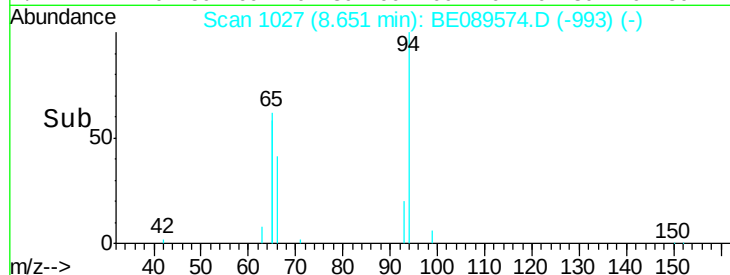
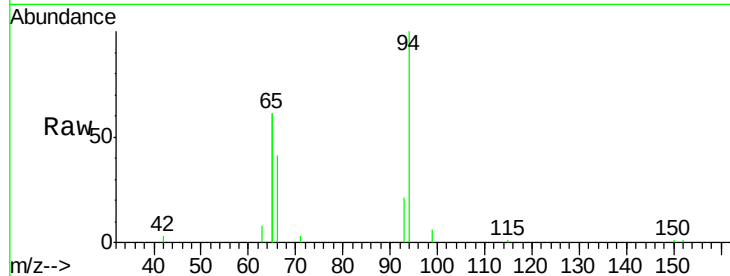
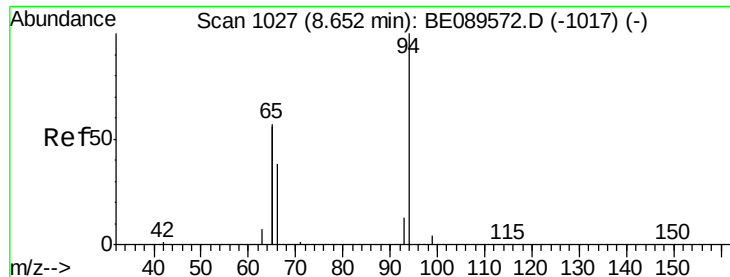
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#4
Phenol-d6
Concen: 0.46 ng
RT: 8.62 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	13911		
42	18.9	13.9	20.9	
71	32.2	25.2	37.8	





#5

Phenol

Concen: 0.46 ng

RT: 8.65 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

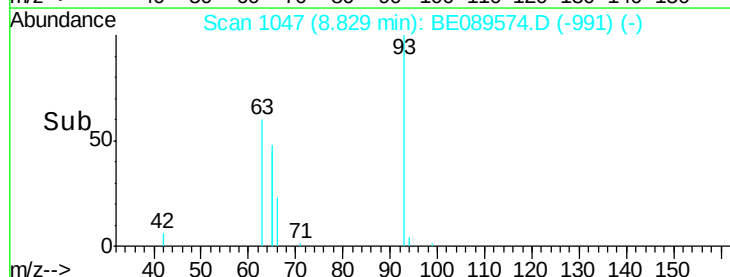
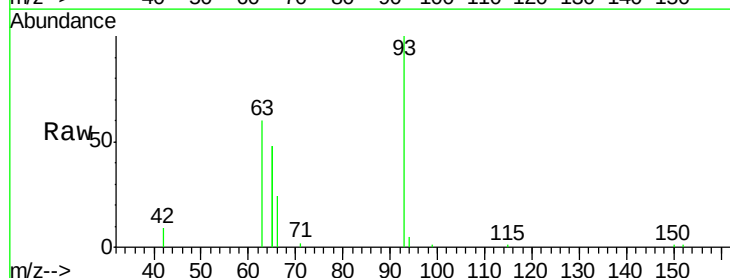
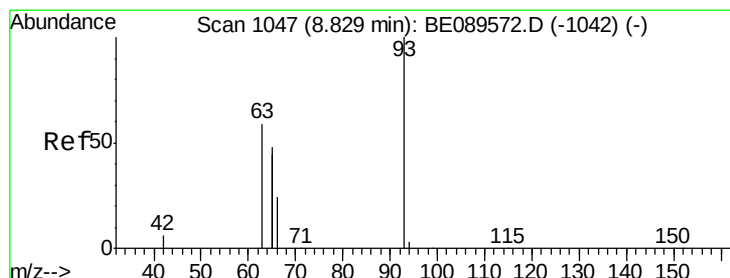
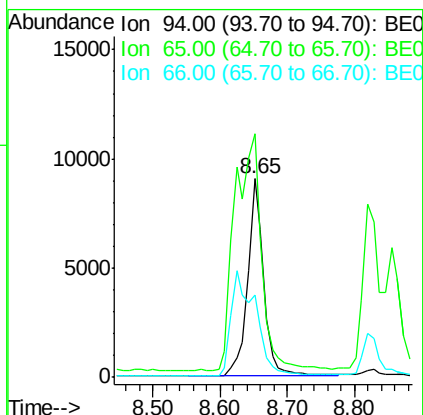
LabSampleId :

SSTDICC0.5

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Tot Ion:	94	Resp:	14984
Ion	Ratio	Lower	Upper
94	100		
65	122.7	94.5	134.5
66	41.4	18.2	58.2



#6

bis(2-Chloroethyl)ether

Concen: 0.47 ng

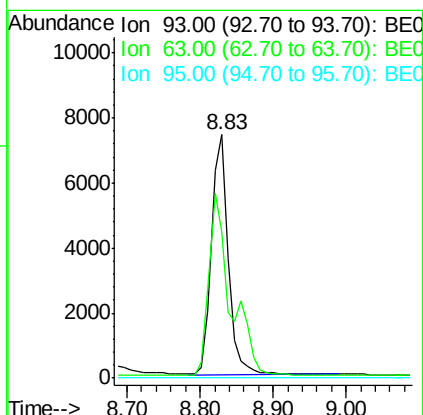
RT: 8.83 min Scan# 1047

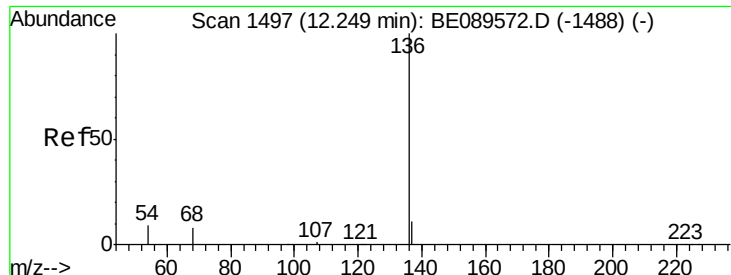
Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	93	Resp:	11585
Ion	Ratio	Lower	Upper
93	100		
63	99.7	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: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

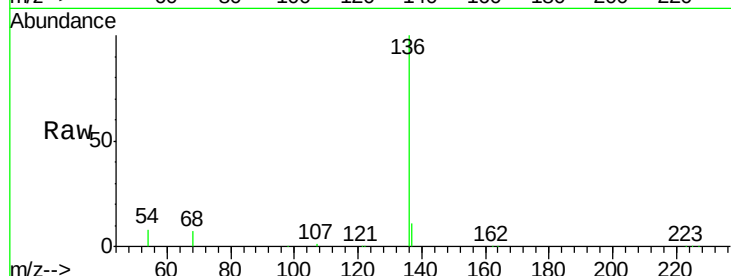
LabSampleId :

SSTDICC0.5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	307762		
137	11.0		8.7	13.1
54	8.4		7.0	10.4

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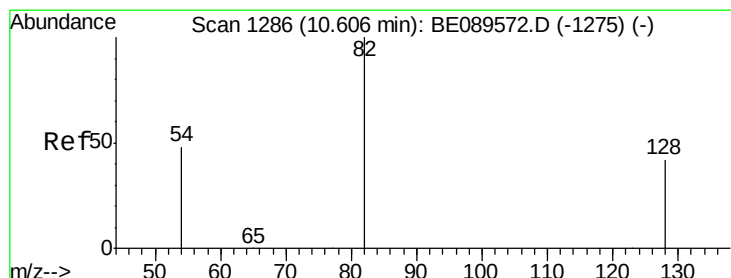
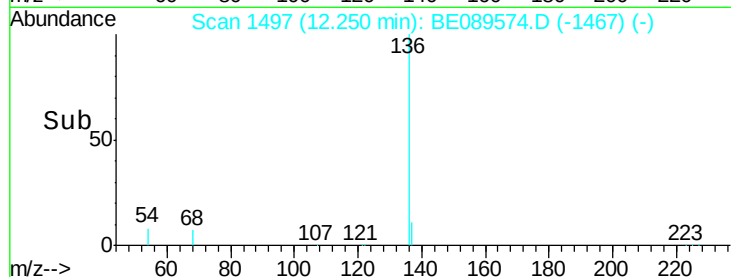
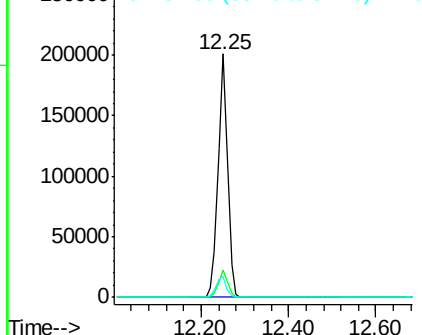
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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.42 ng

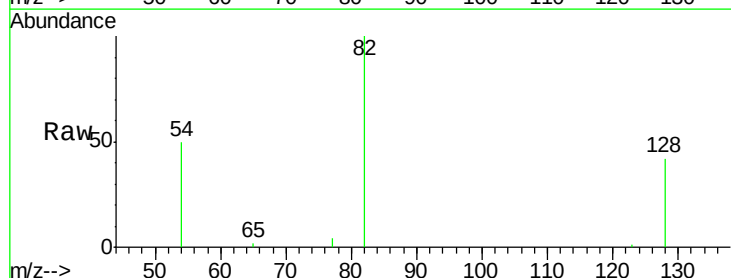
RT: 10.61 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

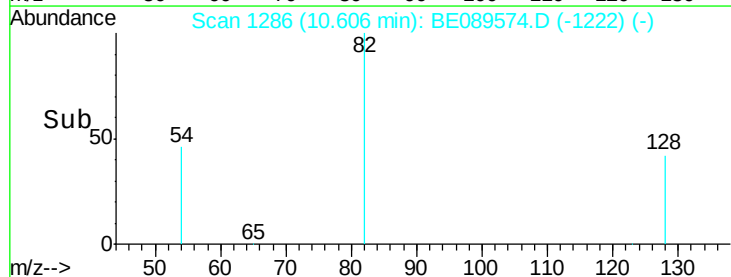
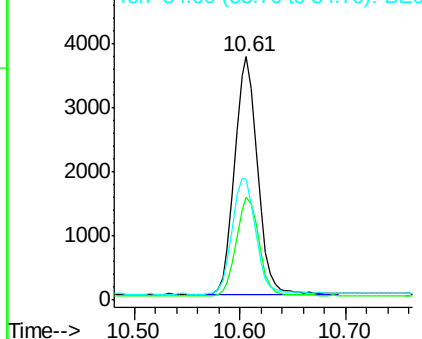
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	5645		
128	42.3		33.8	50.6
54	49.6		39.0	58.6

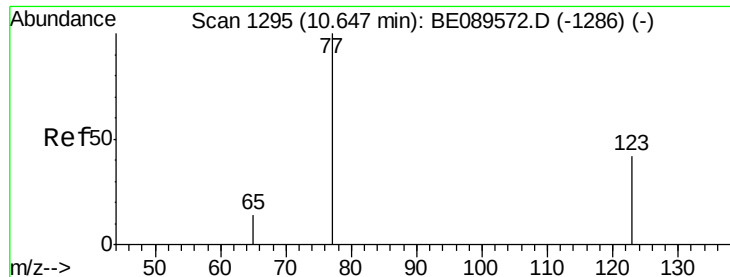


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.39 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

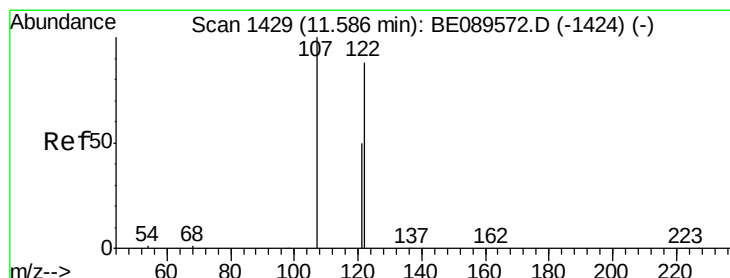
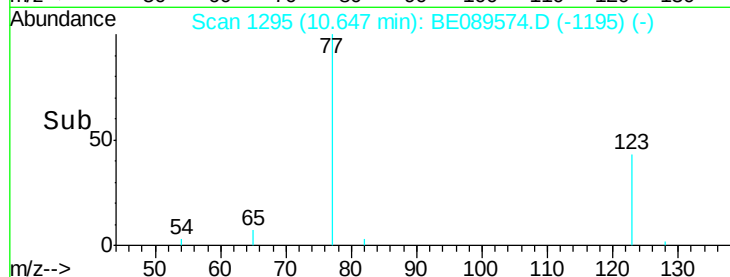
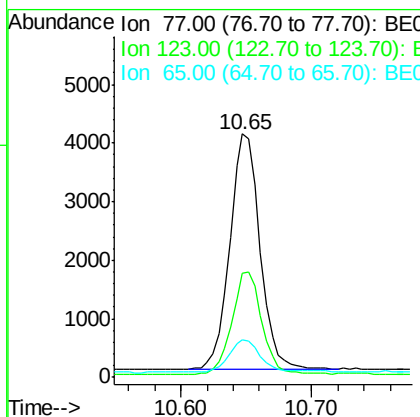
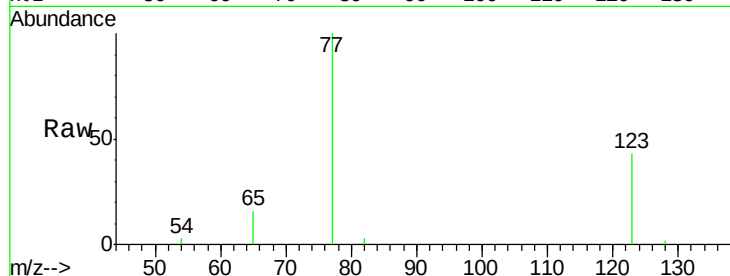
LabSampleId :

SSTDIC0.5

Tot Ion:	77	Resp:	6353
Ion	Ratio	Lower	Upper
77	100		
123	43.3	34.4	51.6
65	14.4	11.4	17.2

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#10

2,4-Dimethylphenol

Concen: 0.44 ng

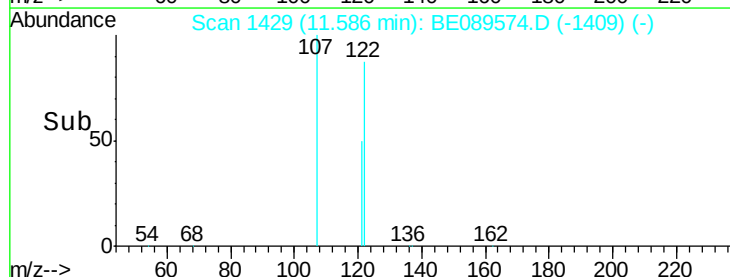
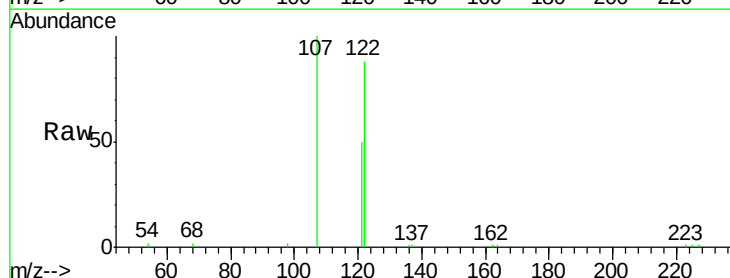
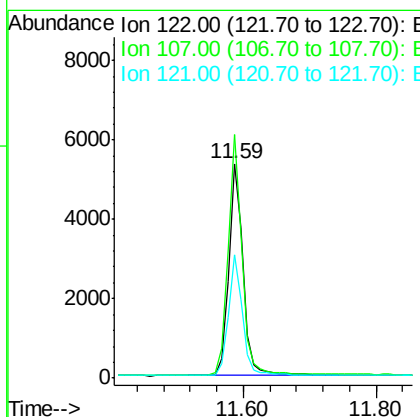
RT: 11.59 min Scan# 1429

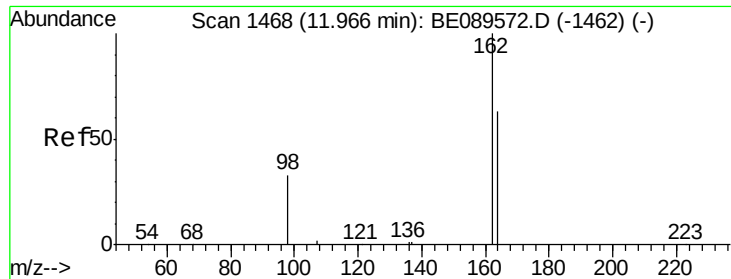
Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	122	Resp:	8130
Ion	Ratio	Lower	Upper
122	100		
107	113.4	90.9	136.3
121	57.2	45.4	68.2





#11

2,4-Dichlorophenol

Concen: 0.45 ng

RT: 11.97 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

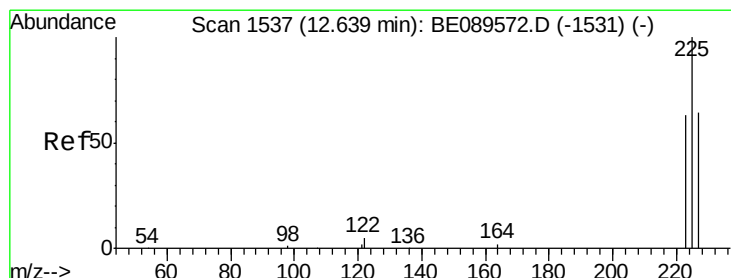
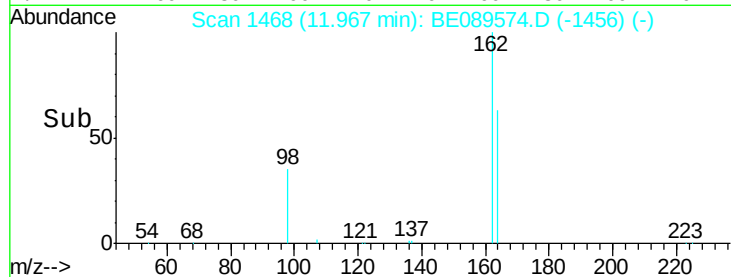
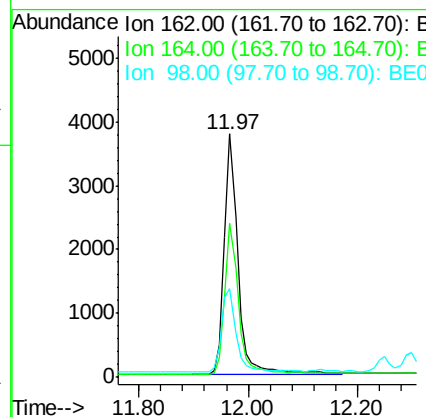
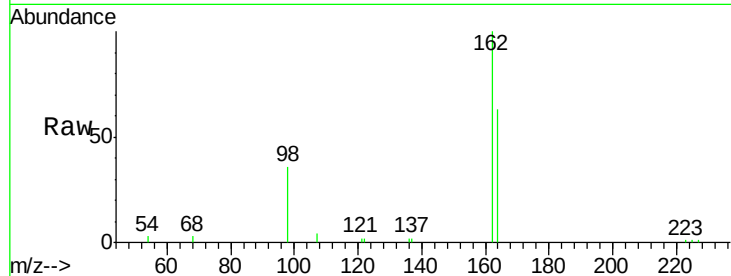
LabSampleId :

SSTDIC0.5

Tot Ion:	162	Resp:	6487
Ion Ratio	Lower	Upper	
162	100		
164	63.4	43.4	83.4
98	36.3	14.6	54.6

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#12

Hexachlorobutadiene

Concen: 0.50 ng

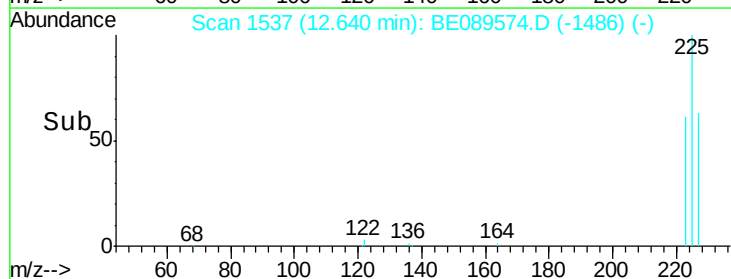
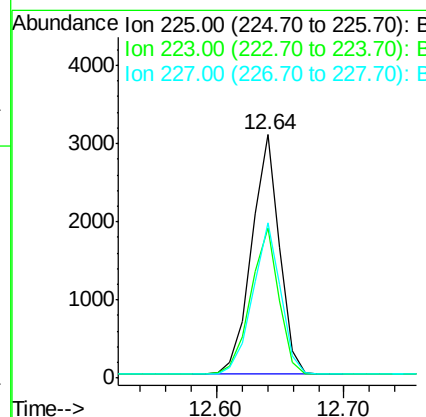
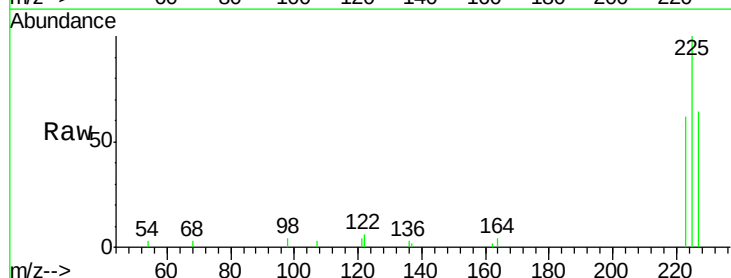
RT: 12.64 min Scan# 1537

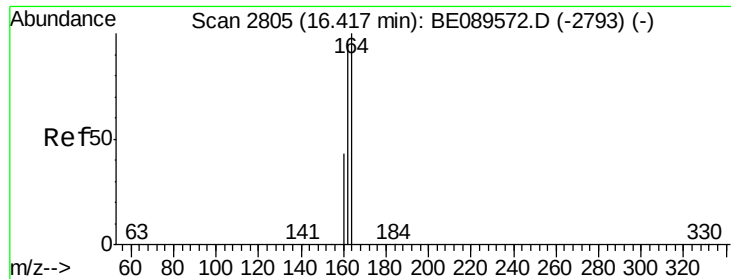
Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	225	Resp:	4643
Ion Ratio	Lower	Upper	
225	100		
223	62.1	50.4	75.6
227	63.8	51.0	76.6





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

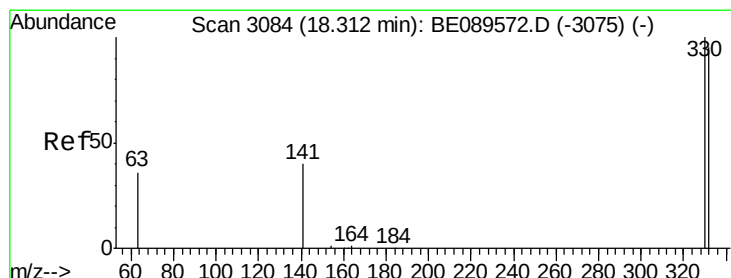
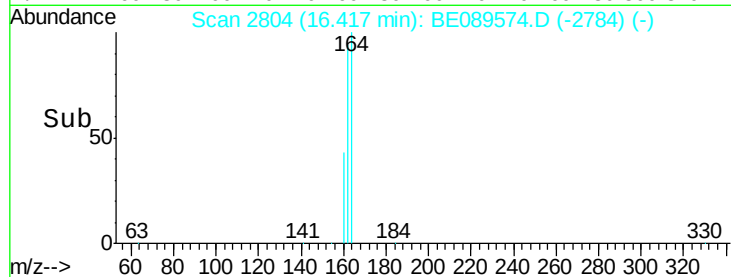
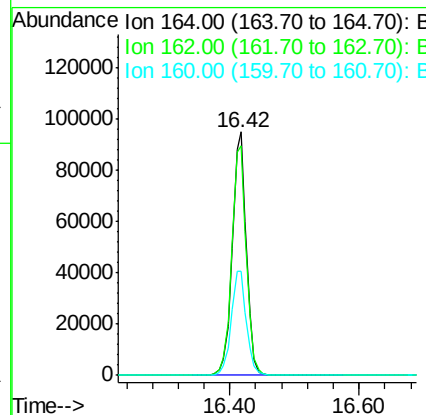
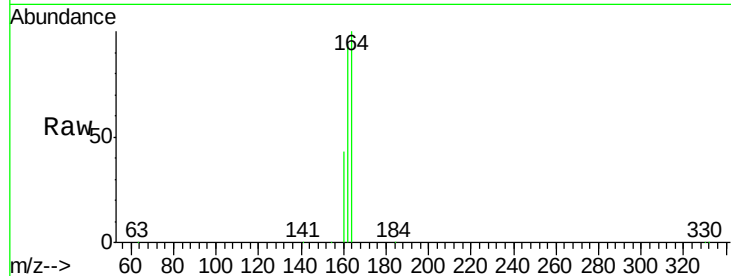
LabSampleId :

SSTDICC0.5

Tot Ion:	164	Resp:	144300
Ion Ratio	Lower	Upper	
164	100		
162	94.4	76.2	114.4
160	42.8	34.7	52.1

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#14

2,4,6-Tribromophenol

Concen: 0.41 ng

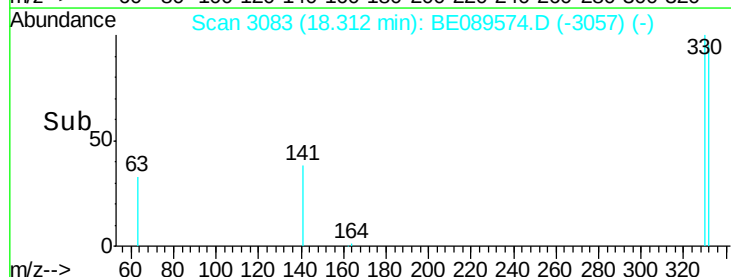
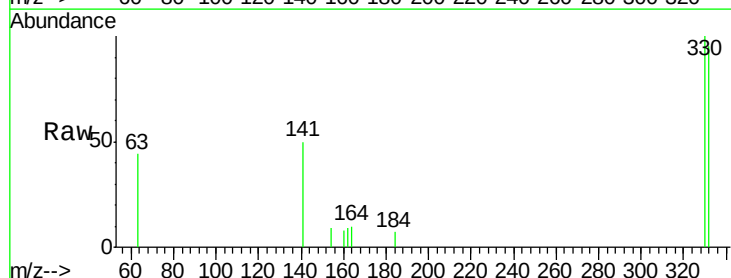
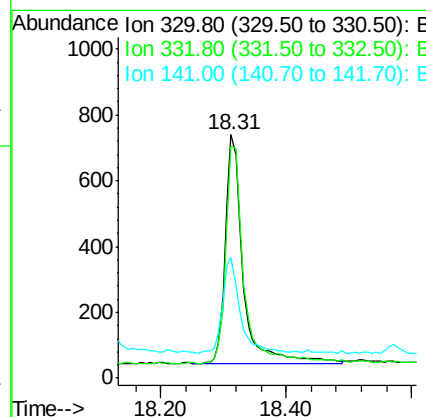
RT: 18.31 min Scan# 3083

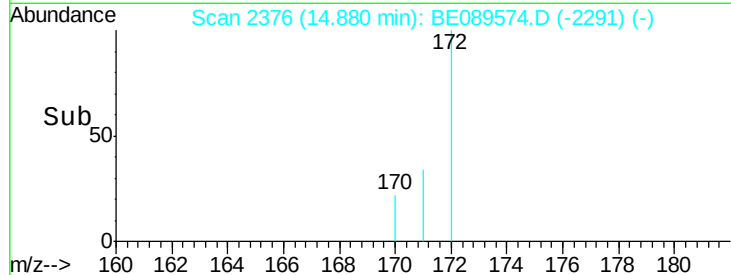
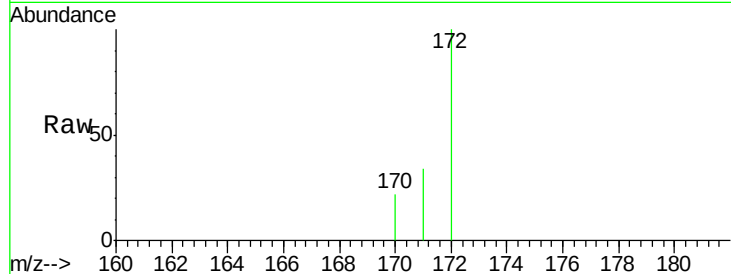
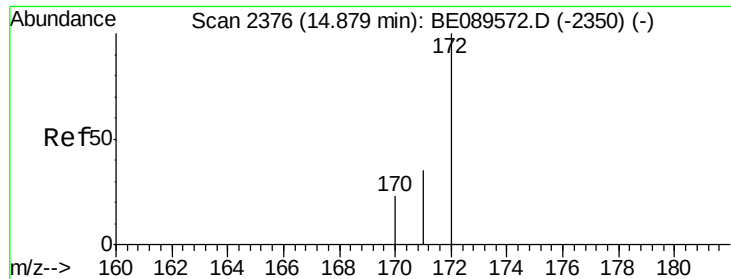
Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	330	Resp:	1371
Ion Ratio	Lower	Upper	
330	100		
332	96.6	78.3	117.5
141	41.5	33.4	50.0





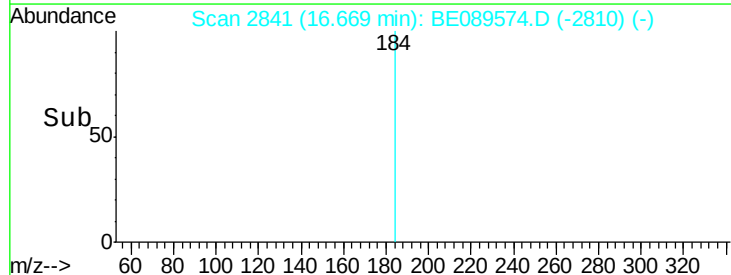
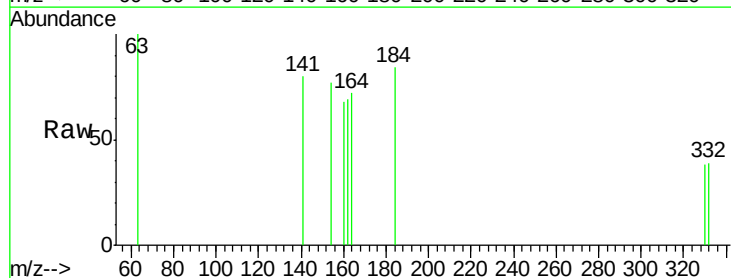
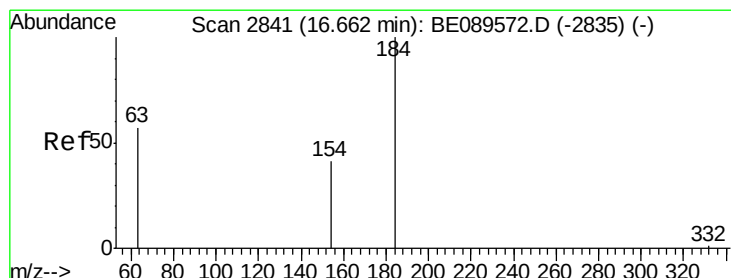
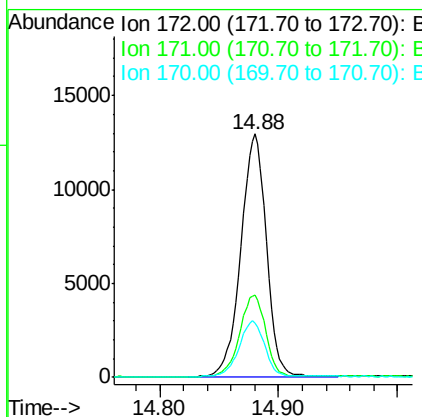
#15
2-Fluorobiphenyl
Concen: 0.49 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.6
170	22.5	18.5	27.7

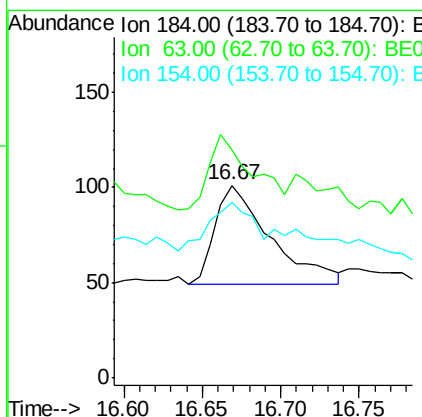
Manual Integrations
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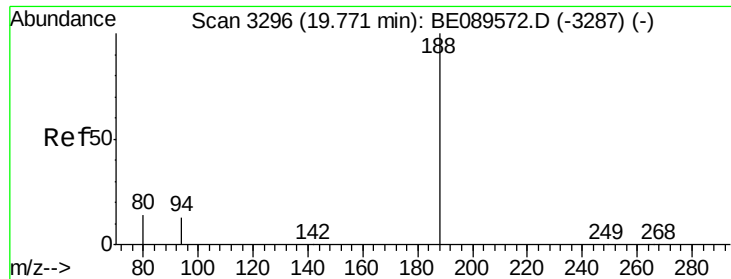
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#16
2,4-Dinitrophenol
Concen: 0.23 ng
RT: 16.67 min Scan# 2841
Delta R.T. 0.01 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Tgt Ion	Ratio	Lower	Upper
184	100		
63	118.8	70.8	106.2#
154	91.1	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: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

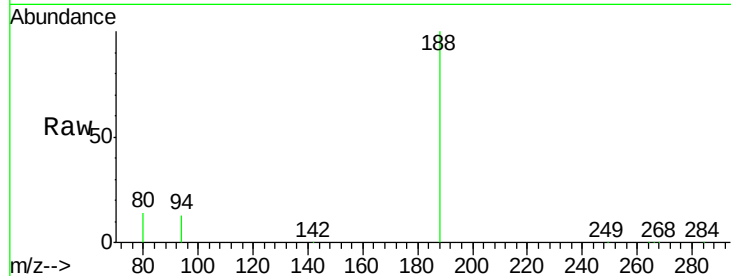
LabSampleId :

SSTDICC0.5

Tot Ion:	188	Resp:	276447
Ion Ratio	Lower	Upper	
188	100		
94	13.0	10.2	15.4
80	14.1	11.0	16.6

Manual Integrations
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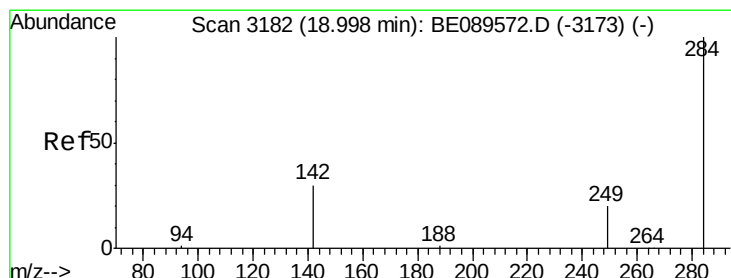
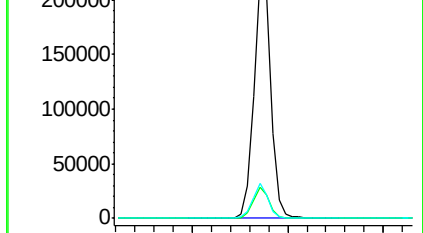
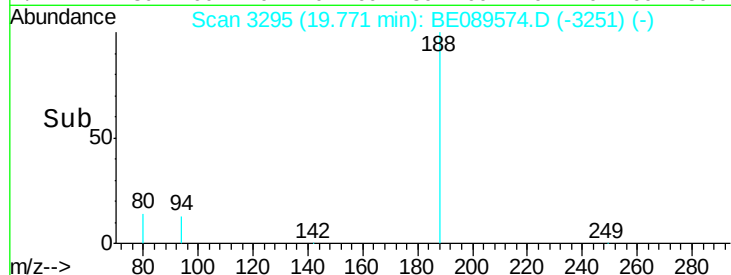


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->



#18

Hexachlorobenzene

Concen: 0.50 ng

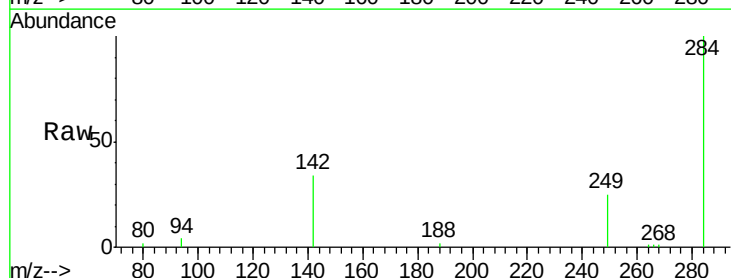
RT: 19.00 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	284	Resp:	5791
Ion Ratio	Lower	Upper	
284	100		
142	34.0	27.6	41.4
249	25.4	20.0	30.0

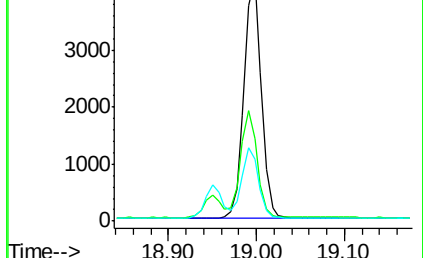
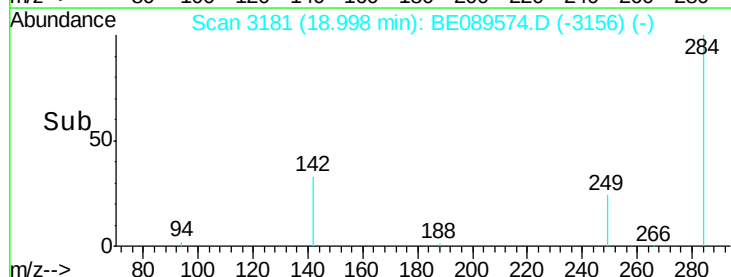


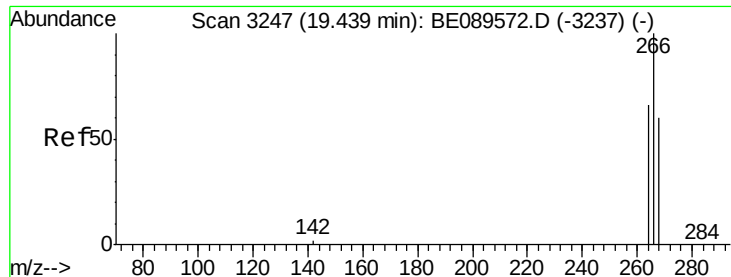
Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->





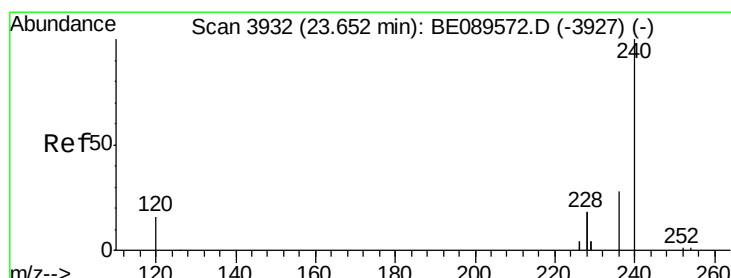
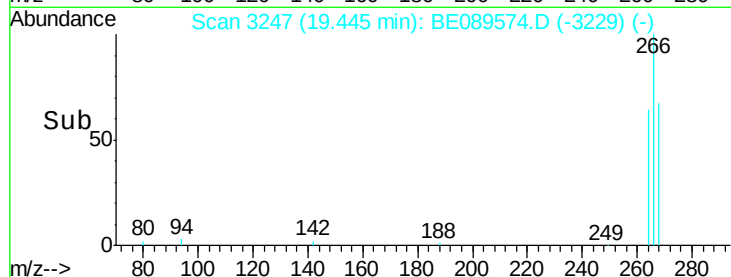
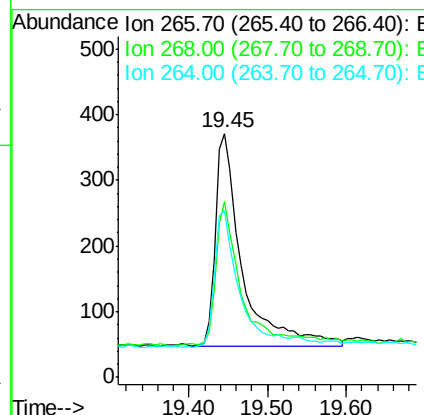
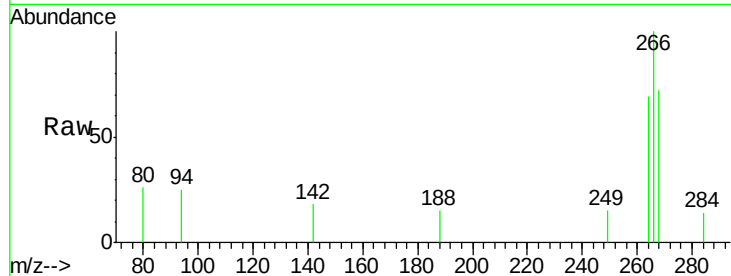
#19
 Pentachlorophenol
 Concen: 0.35 ng
 RT: 19.45 min Scan# 3247
 Delta R.T. 0.01 min
 Lab File: BE089574.D
 Acq: 16 Feb 2015 17:50

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Tot Ion	Ratio	Lower	Upper
266	100		
268	72.0	50.2	75.4
264	68.7	54.4	81.6

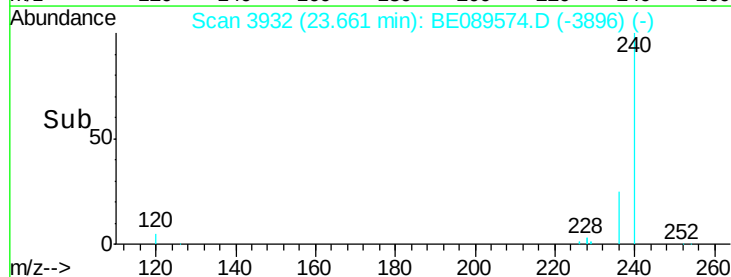
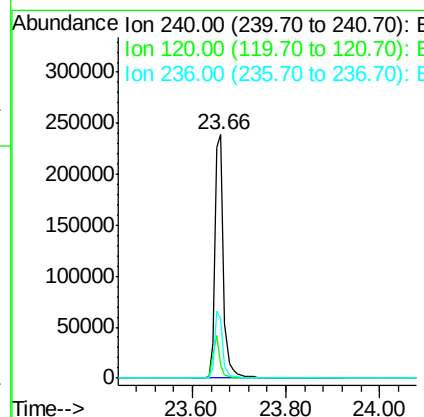
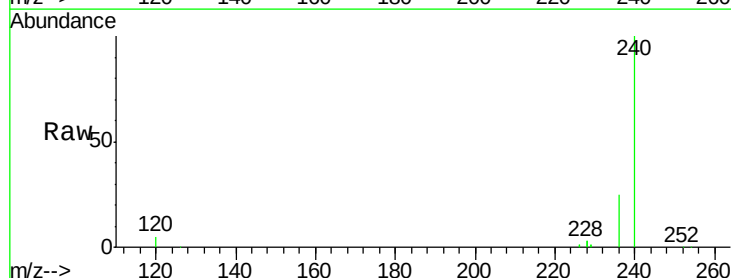
Manual Integrations
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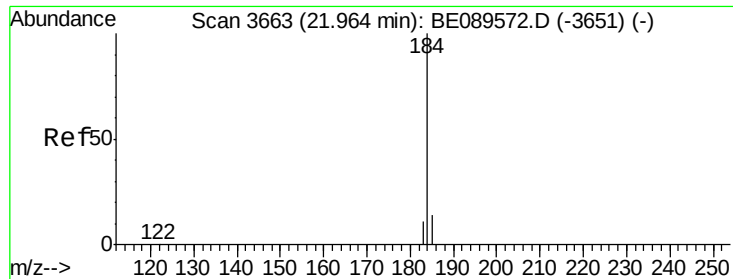
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#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3932
 Delta R.T. 0.01 min
 Lab File: BE089574.D
 Acq: 16 Feb 2015 17:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	12.7	19.1#
236	24.6	22.7	34.1





#21

Benzidine

Concen: 0.27 ng

RT: 21.96 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

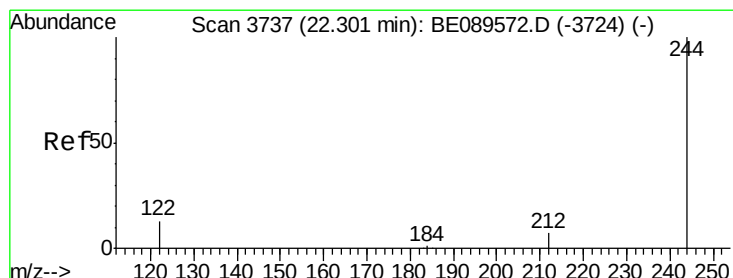
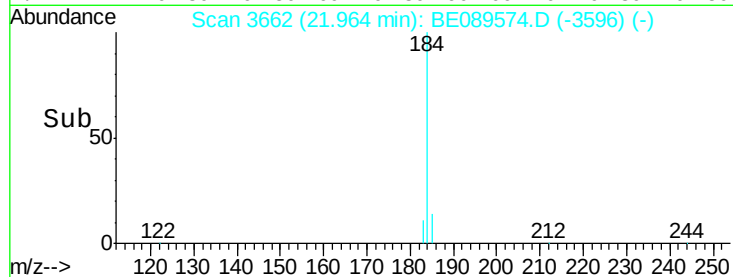
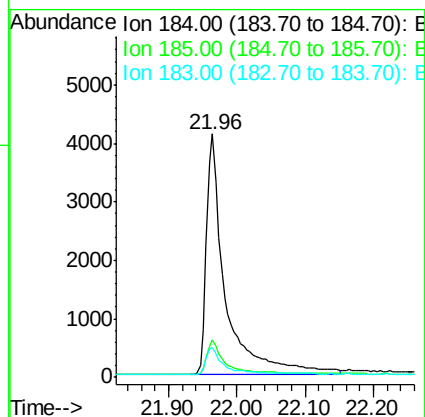
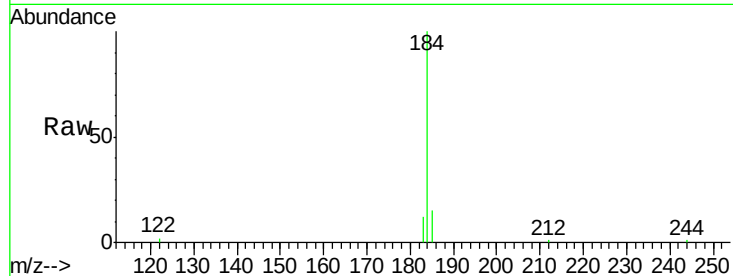
LabSampleId :

SSTDICC0.5

Tot Ion:	184	Resp:	7923
Ion Ratio	Lower	Upper	
184	100		
185	15.3	11.7	17.5
183	12.4	8.9	13.3

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#22

Terphenyl-d14

Concen: 0.46 ng

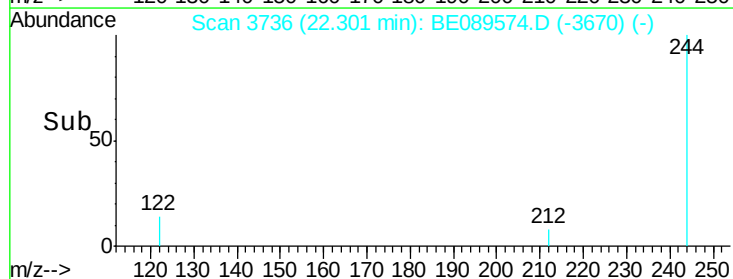
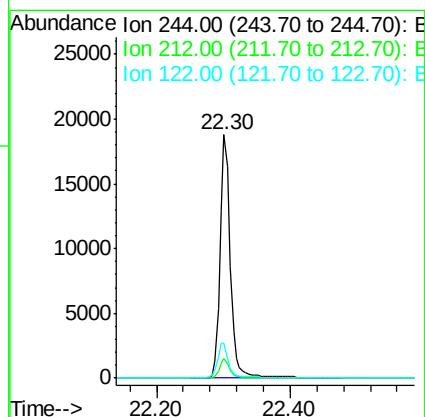
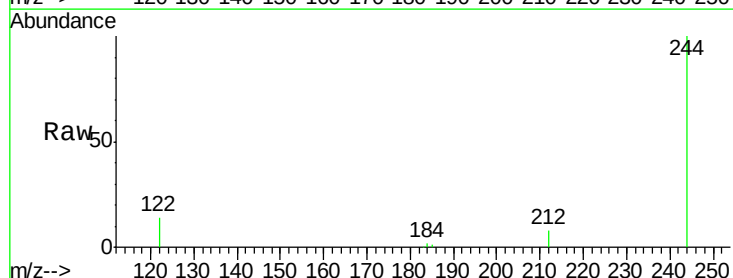
RT: 22.30 min Scan# 3736

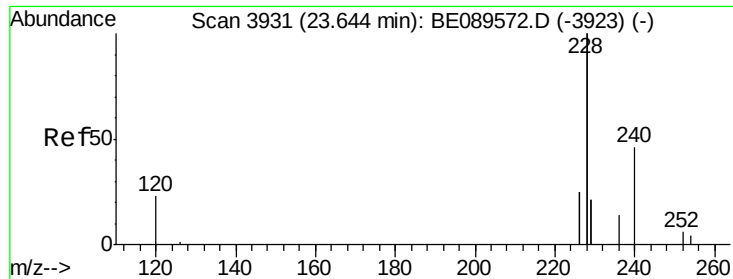
Delta R.T. -0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	244	Resp:	19591
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.9	8.9
122	14.1	10.2	15.2





#23

Benzo(a)anthracene

Concen: 0.44 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

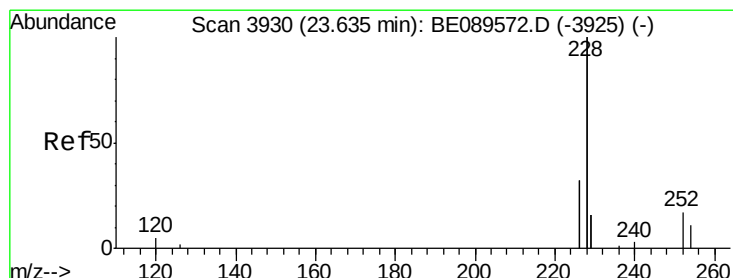
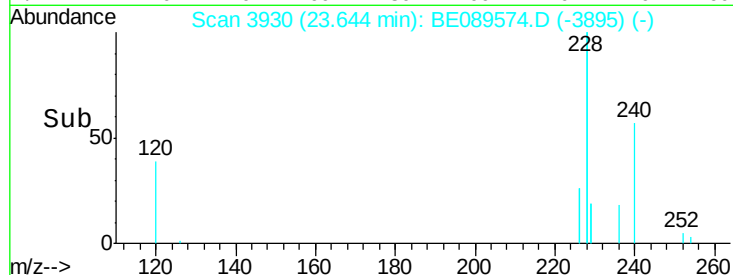
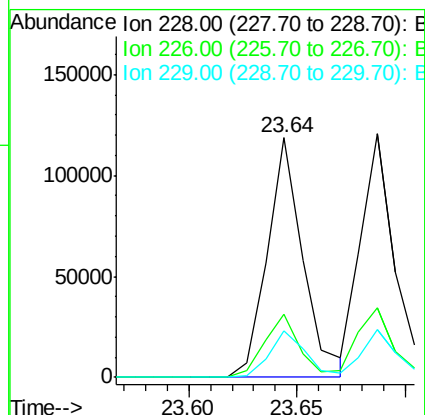
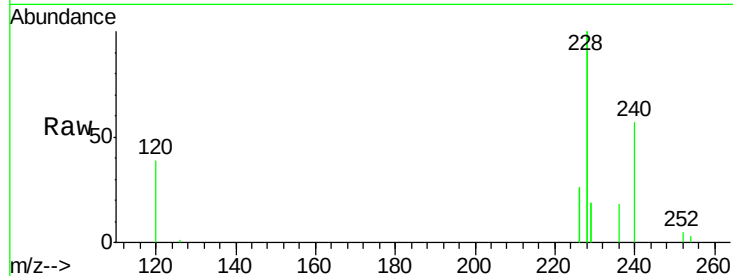
LabSampleId :

SSTDICC0.5

Tot Ion:	228	Resp:	135904
Ion Ratio	Lower	Upper	
228	100		
226	26.3	19.9	29.9
229	19.2	16.6	24.8

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#24

3,3'-Dichlorobenzidine

Concen: 0.32 ng

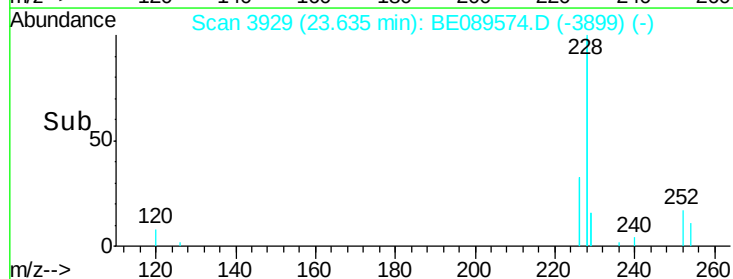
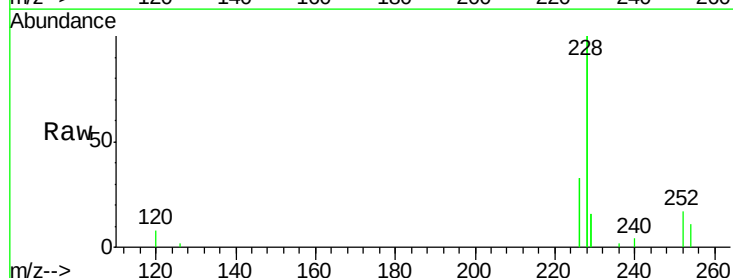
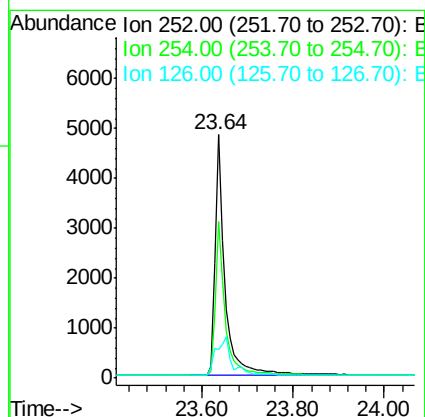
RT: 23.64 min Scan# 3929

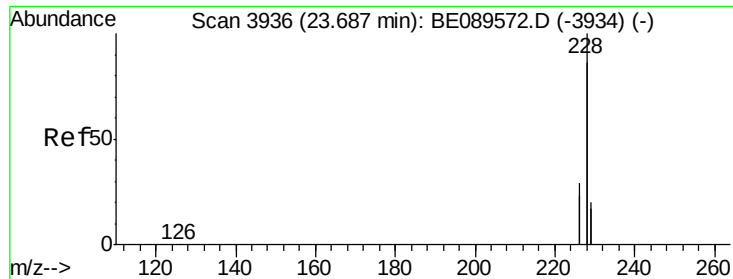
Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	252	Resp:	7539
Ion Ratio	Lower	Upper	
252	100		
254	64.4	51.0	76.4
126	11.7	8.3	12.5





#25

Chrysene

Concen: 0.49 ng

RT: 23.69 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

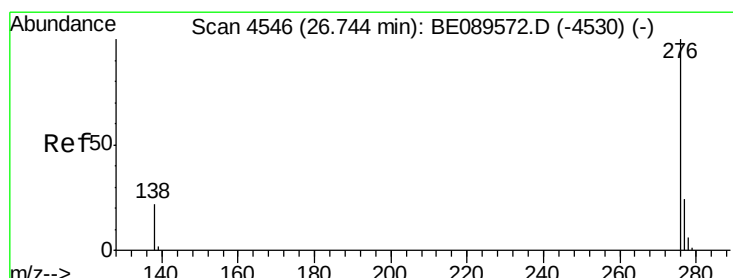
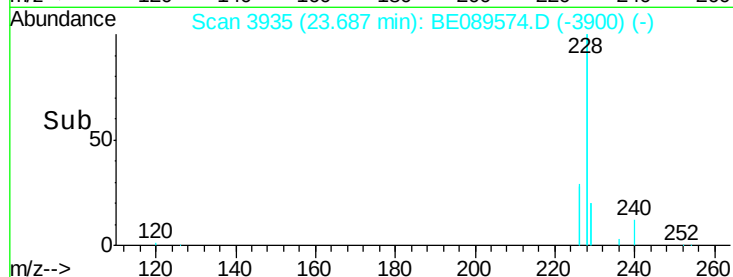
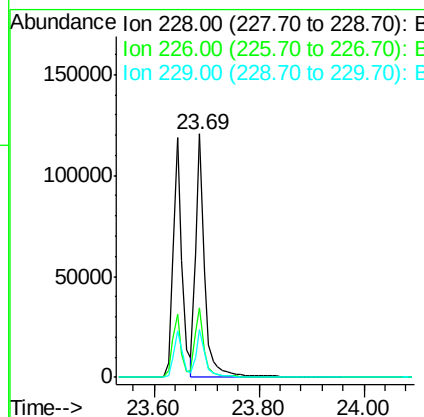
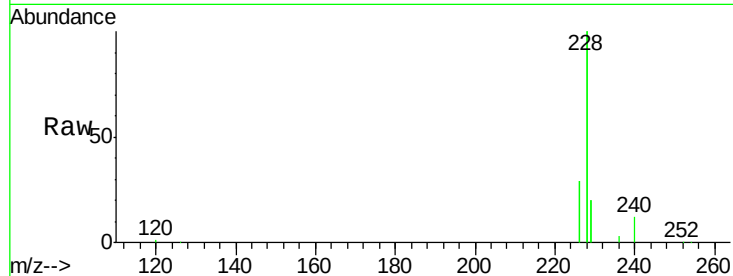
LabSampleId :

SSTDIC0.5

Tot Ion:	228	Resp:	143644
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.9	34.3
229	19.9	15.8	23.6

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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng

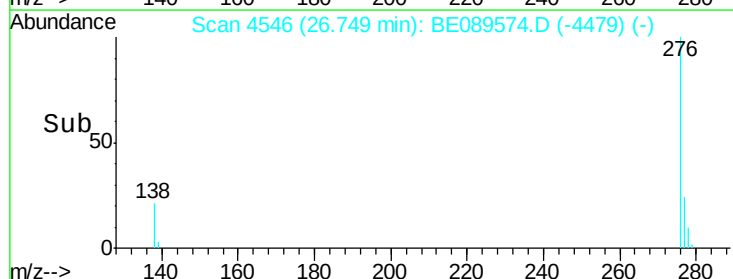
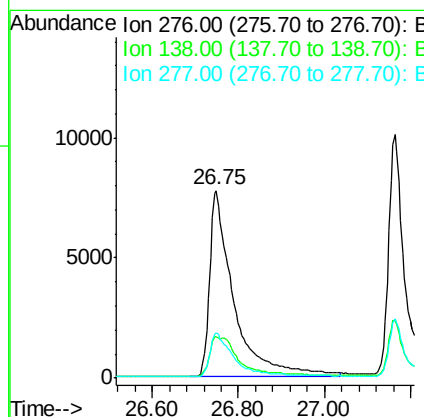
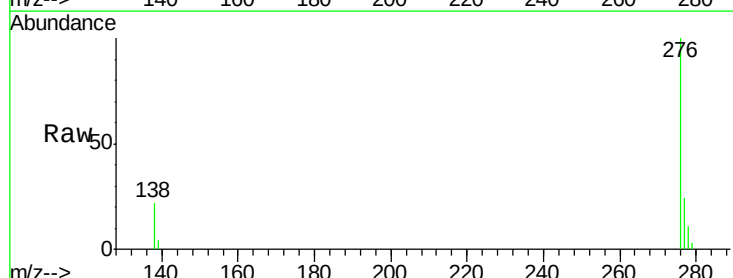
RT: 26.75 min Scan# 4546

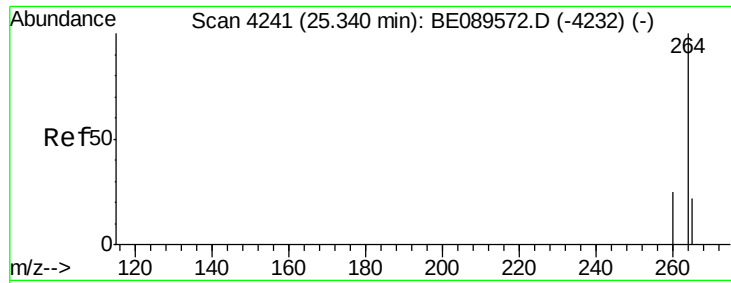
Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Tgt Ion:	276	Resp:	30816
Ion Ratio	Lower	Upper	
276	100		
138	9.4	22.1	33.1#
277	23.9	19.4	29.2





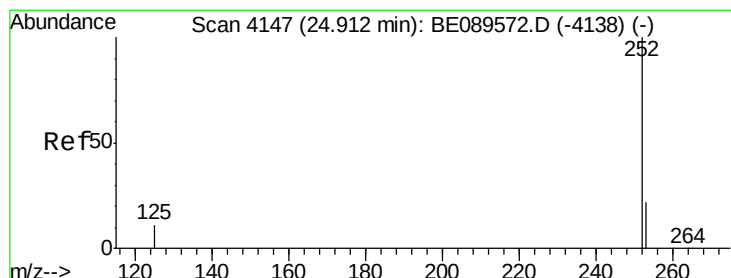
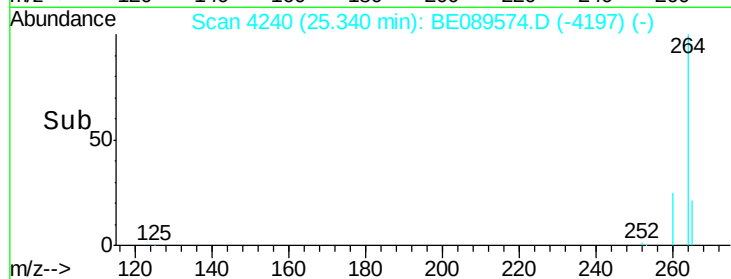
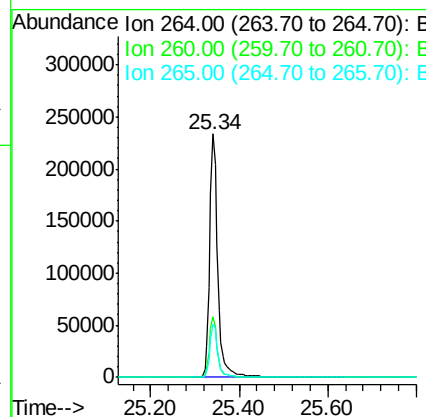
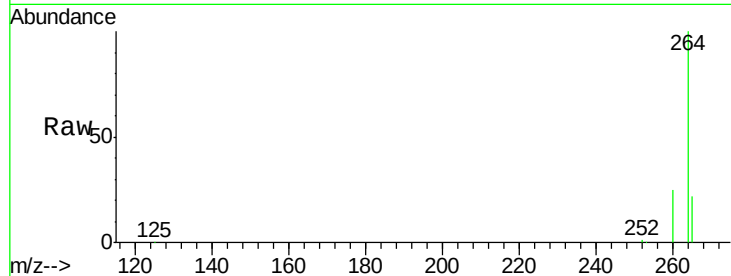
#27
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4240
Delta R.T. 0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.6
265	21.6	17.5	26.3

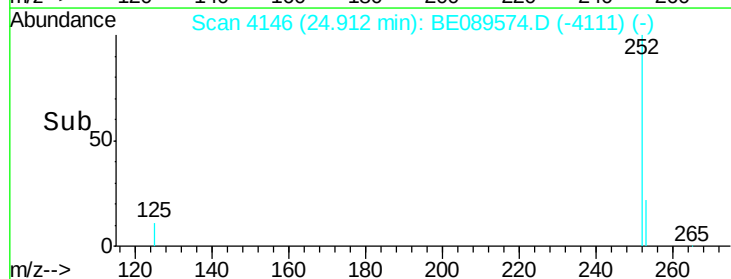
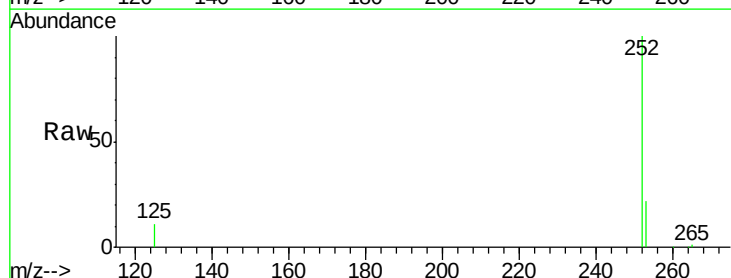
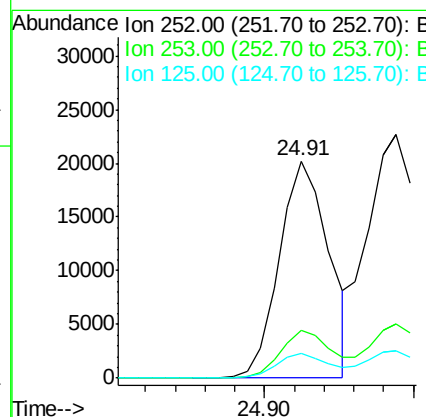
Manual Integrations
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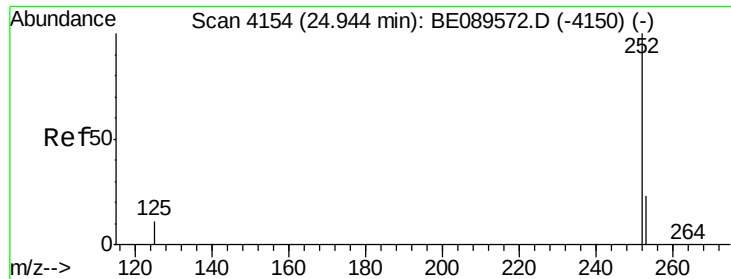
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#28
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 24.91 min Scan# 4146
Delta R.T. 0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.4	9.0	13.4





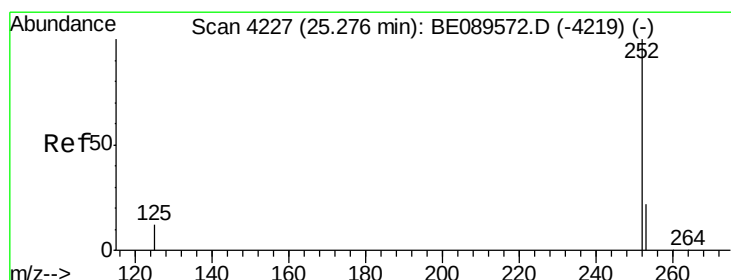
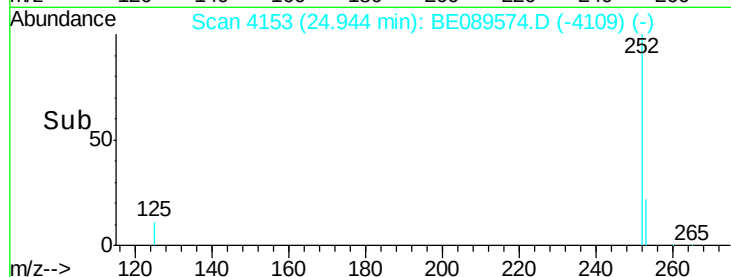
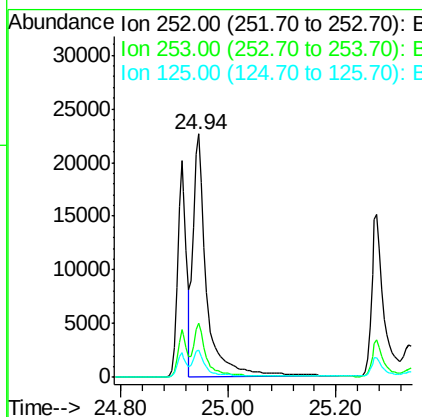
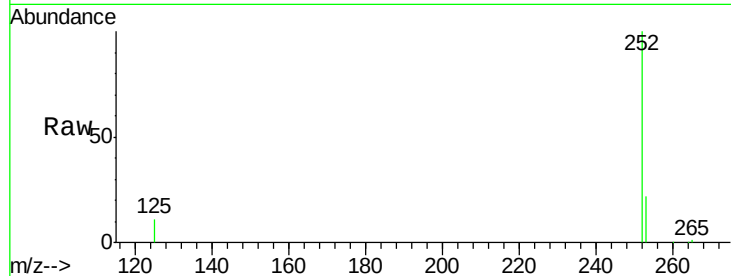
#29
Benzo(k)fluoranthene
Concen: 0.46 ng
RT: 24.94 min Scan# 4153
Delta R.T. 0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Instrument :
BNA_E
LabSampleId :
SSTDICC0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	11.1	8.9	13.3

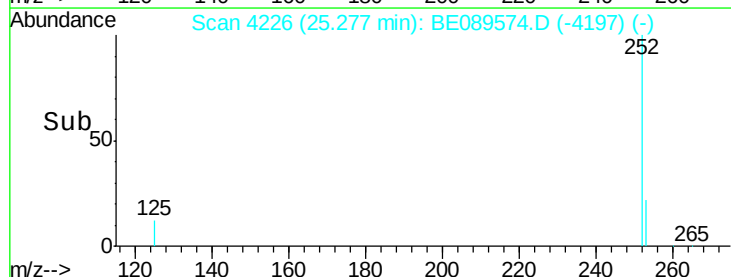
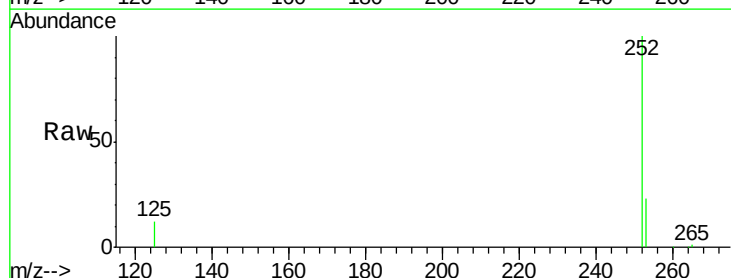
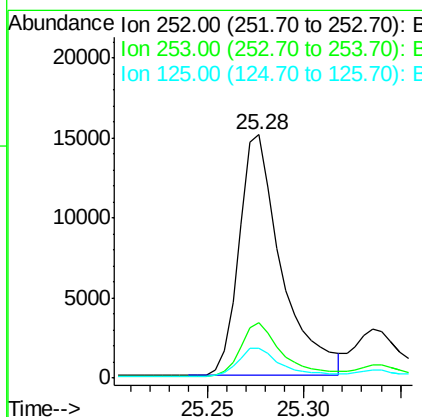
Manual Integrations
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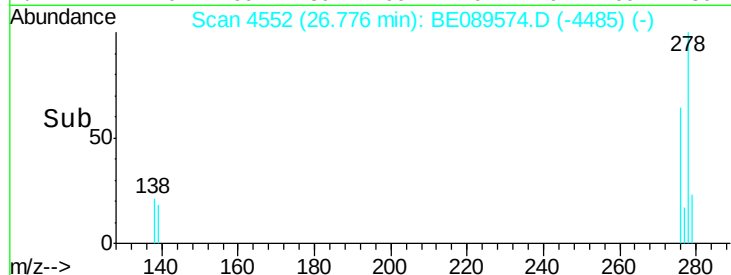
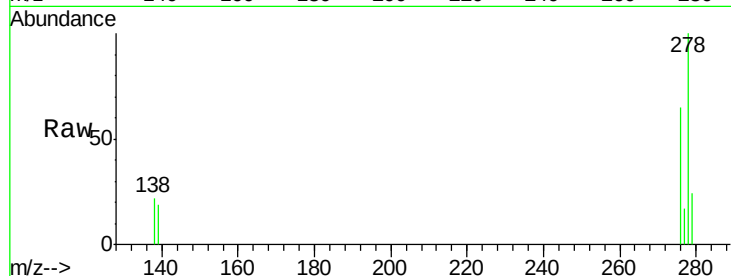
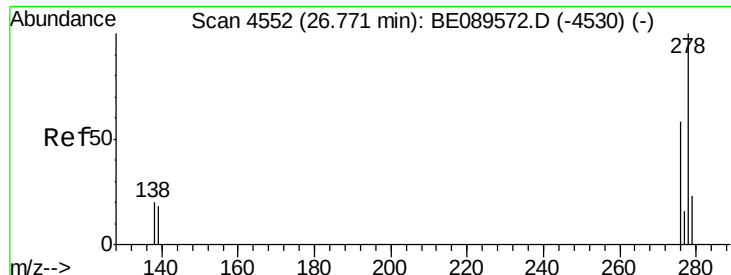
apatel
2/17/2015 3:36:17 PM



#30
Benzo(a)pyrene
Concen: 0.36 ng
RT: 25.28 min Scan# 4226
Delta R.T. 0.00 min
Lab File: BE089574.D
Acq: 16 Feb 2015 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.3	9.5	14.3





#31

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089574.D

Acq: 16 Feb 2015 17:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

Tot Ion:	278	Resp:	23759
Ion Ratio	Lower	Upper	
278	100		
139	18.5	14.7	22.1
279	23.7	19.0	28.4

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:17 PM

