

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089569.D
 Acq On : 16 Feb 2015 14:24
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

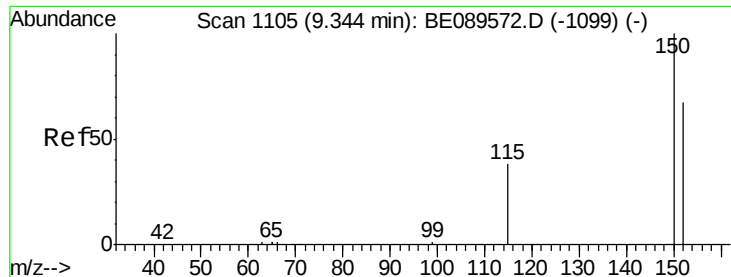
Manual Integrations
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Quant Time: Feb 16 17:23:10 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 17:13:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.35	152	90369	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	362109	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	175779	5.00	ng	0.00
17) Phenanthrene-d10	19.78	188	338549	5.00	ng	0.00
20) Chrysene-d12	23.66	240	399164	5.00	ng	0.00
27) Perylene-d12	25.34	264	365135	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	265009	8.93	ng	0.00
4) Phenol-d6	8.63	99	351425	9.50	ng	0.00
8) Nitrobenzene-d5	10.61	82	180209	7.05	ng	0.00
14) 2,4,6-Tribromophenol	18.32	330	46564	13.11	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	454811	8.38	ng	0.00
22) Terphenyl-d14	22.30	244	560705	14.05	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.32	42	163459	10.80	ng	# 79
5) Phenol	8.67	94	371096	9.83	ng	# 82
6) bis(2-Chloroethyl)ether	8.84	93	283925	10.04	ng	# 96
9) Nitrobenzene	10.65	77	229216	7.93	ng	99
10) 2,4-Dimethylphenol	11.59	122	221465	8.80	ng	96
11) 2,4-Dichlorophenol	11.97	162	173443	9.60	ng	97
12) Hexachlorobutadiene	12.64	225	105631	8.95	ng	100
16) 2,4-Dinitrophenol	16.65	184	10253	9.53	ng	# 83
18) Hexachlorobenzene	19.00	284	137624	8.31	ng	# 84
19) Pentachlorophenol	19.44	266	36335	11.91	ng	97
21) Benzidine	21.96	184	481518	14.35	ng	99
23) Benzo(a)anthracene	23.64	228	4171320	13.96	ng	95
24) 3,3'-Dichlorobenzidine	23.63	252	369443	13.52	ng	99
25) Chrysene	23.69	228	3678967m	7.99	ng	
26) Indeno(1,2,3-cd)pyrene	26.75	276	1138501	5.38	ng	97
28) Benzo(b)fluoranthene	24.92	252	961198	24.95	ng	97
29) Benzo(k)fluoranthene	24.95	252	1055519	13.56	ng	97
30) Benzo(a)pyrene	25.28	252	907150	19.82	ng	98
31) Dibenzo(a,h)anthracene	26.78	278	914568	21.73	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.35 min Scan# 1104

Delta R.T. 0.01 min

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LabSampleId :

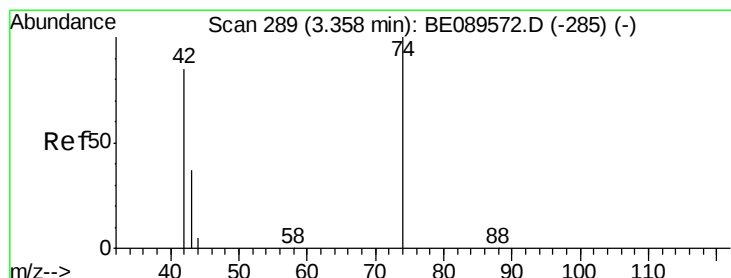
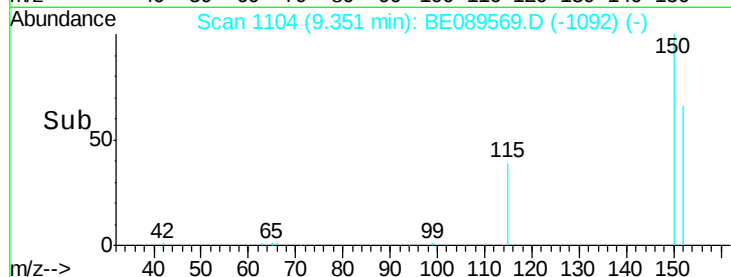
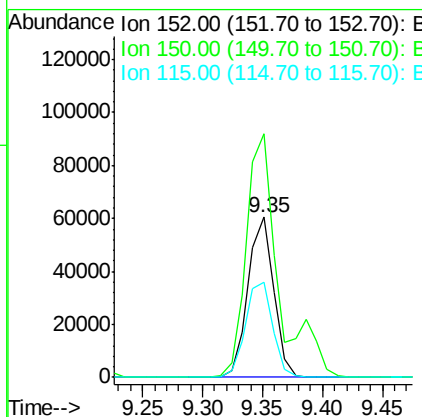
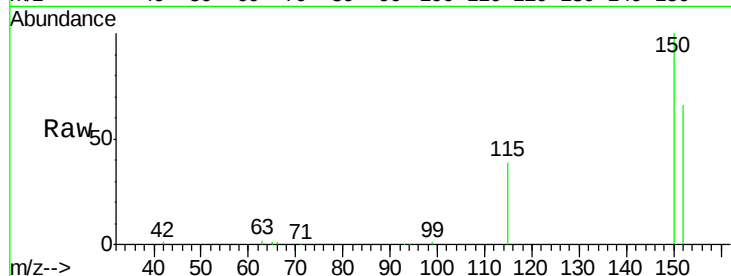
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Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	120.2	180.2
115	59.0	45.2	67.8



#2

n-Nitrosodimethylamine

Concen: 10.80 ng

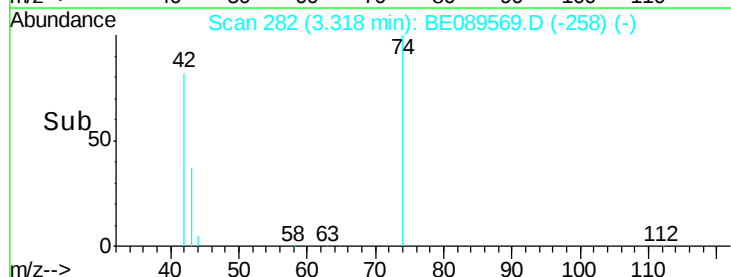
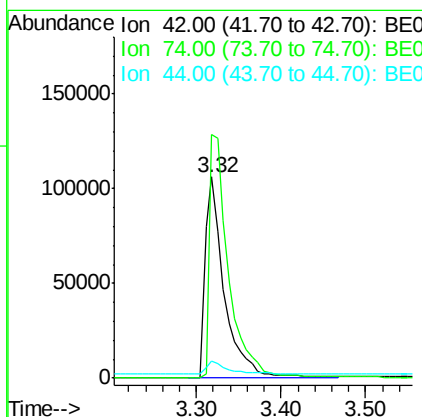
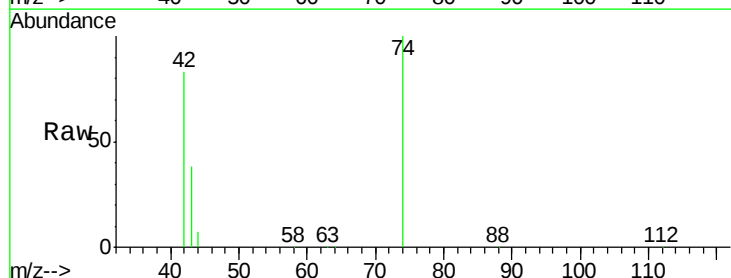
RT: 3.32 min Scan# 282

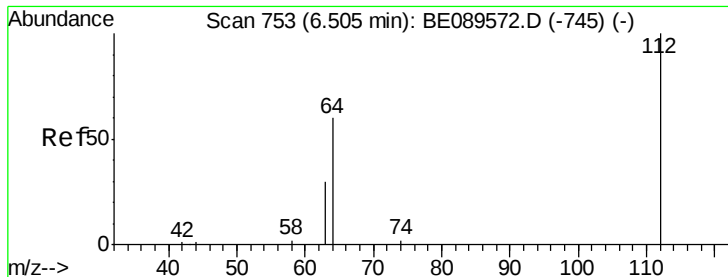
Delta R.T. -0.04 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.1	90.1	135.1
44	8.4	35.0	52.4#





#3

2-Fluorophenol

Concen: 8.93 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

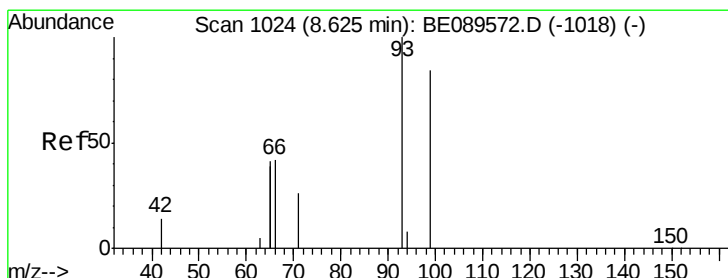
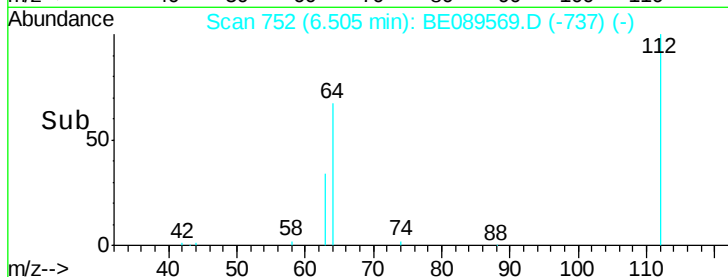
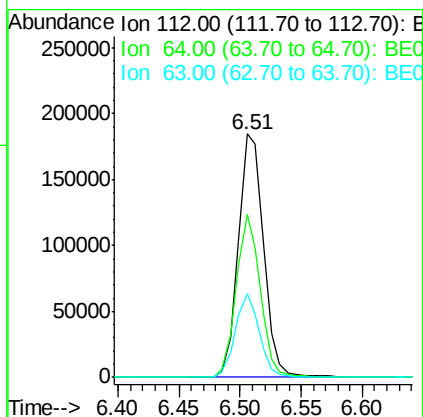
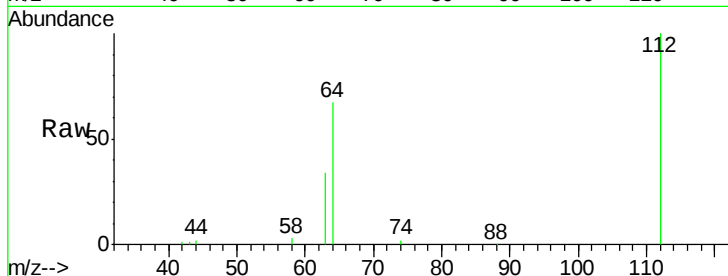
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Tot Ion:	112	Resp:	265009
Ion Ratio	Lower	Upper	
112	100		
64	67.0	48.6	72.8
63	34.1	24.6	37.0

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#4

Phenol-d6

Concen: 9.50 ng

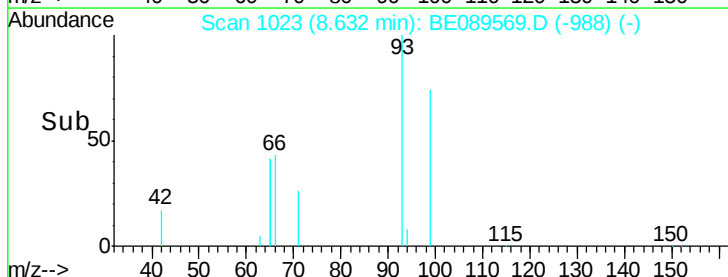
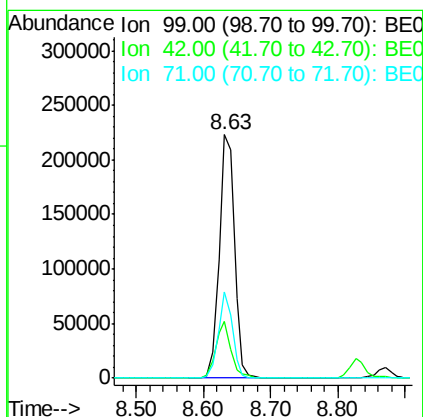
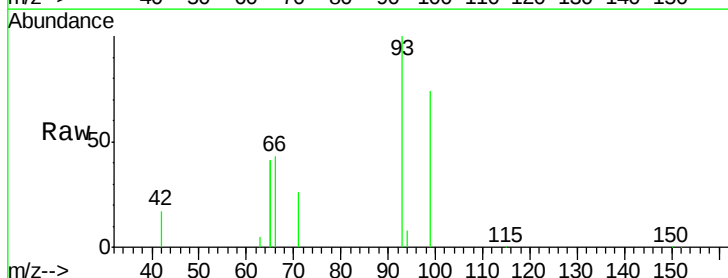
RT: 8.63 min Scan# 1023

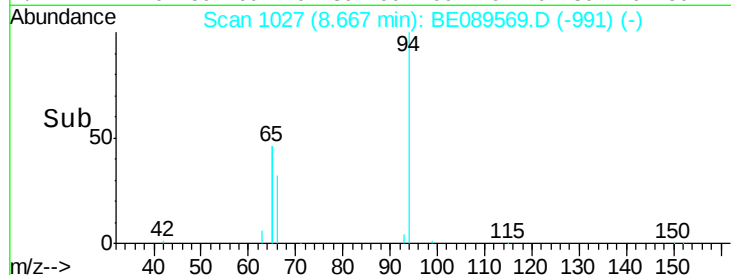
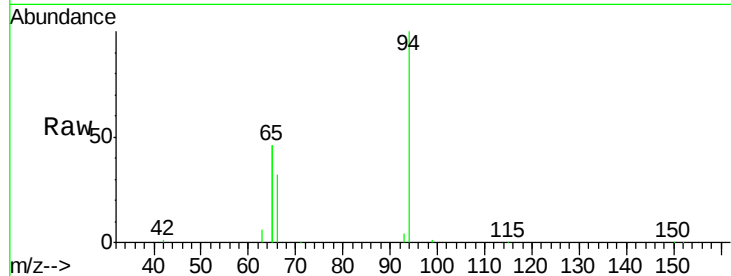
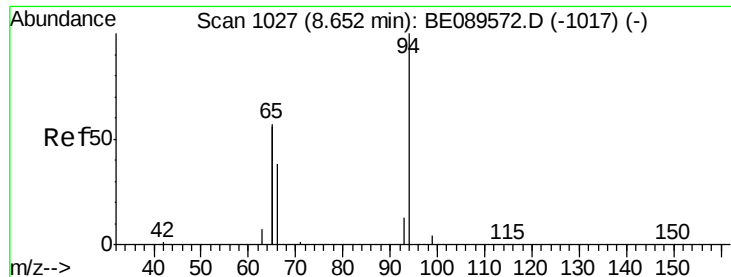
Delta R.T. 0.01 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tgt Ion:	99	Resp:	351425
Ion Ratio	Lower	Upper	
99	100		
42	23.1	13.9	20.9#
71	35.2	25.2	37.8





#5

Phenol

Concen: 9.83 ng

RT: 8.67 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tot Ion:	94	Resp:	371096
Ion Ratio	Lower	Upper	
94	100		
65	91.6	94.5	134.5#
66	31.9	18.2	58.2

Instrument :

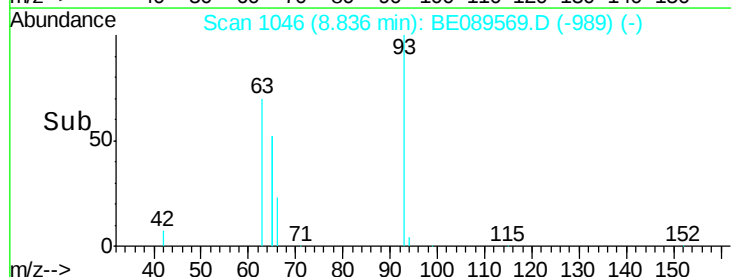
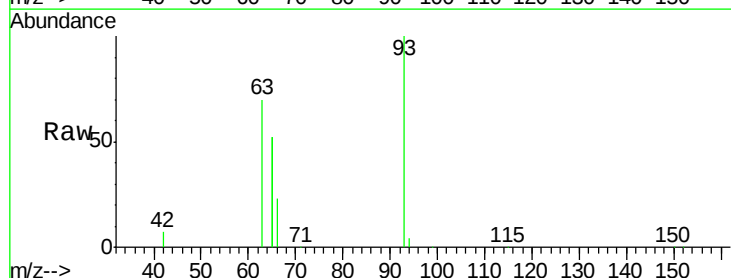
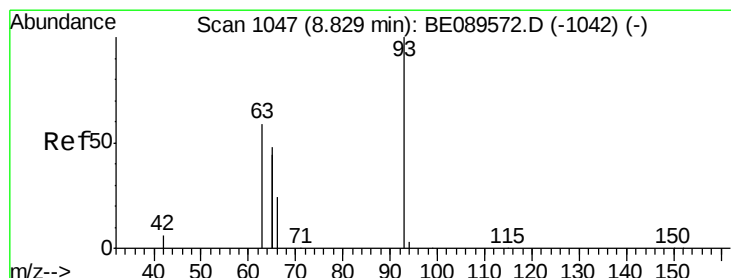
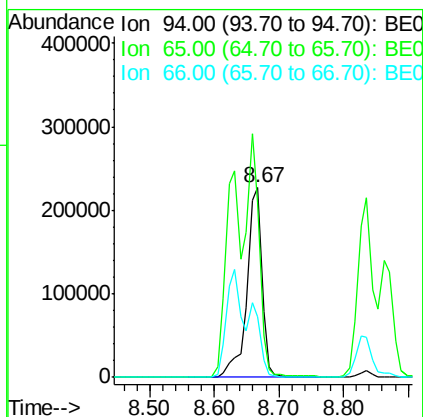
BNA_E

LabSampleId :

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#6

bis(2-Chloroethyl)ether

Concen: 10.04 ng

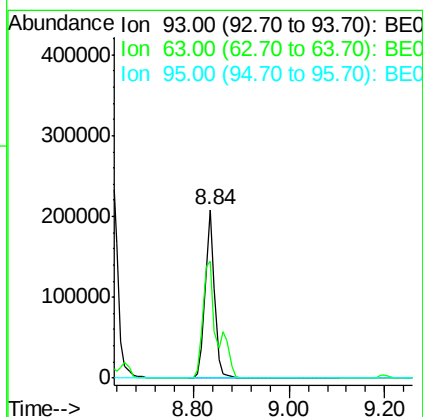
RT: 8.84 min Scan# 1046

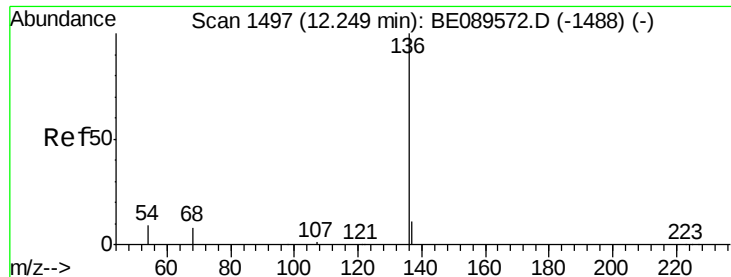
Delta R.T. 0.01 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tgt Ion:	93	Resp:	283925
Ion Ratio	Lower	Upper	
93	100		
63	105.7	81.7	122.5
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

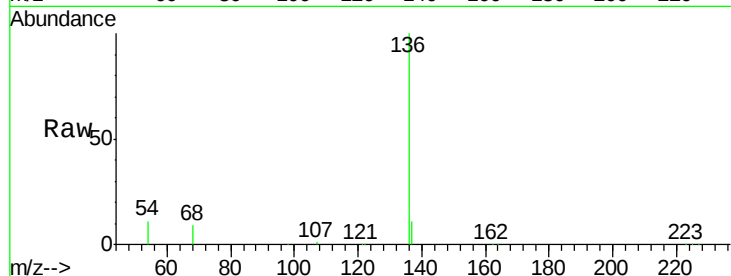
LabSampleId :

SSTDICC010

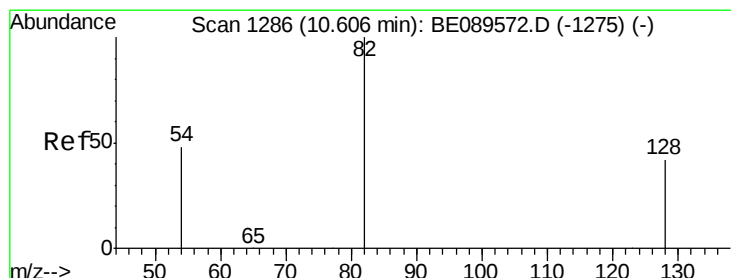
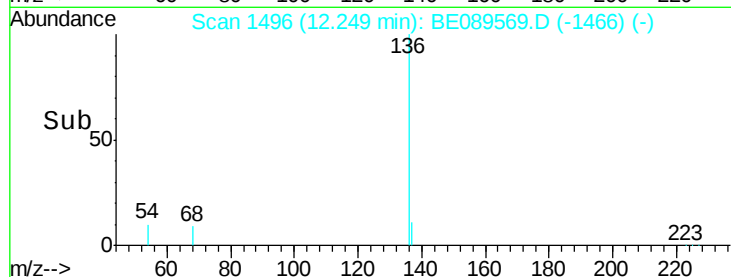
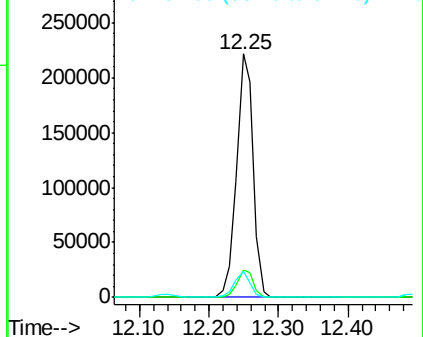
Tot Ion:	136	Resp:	362109
Ion Ratio		Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.8	7.0	10.4

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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: 7.05 ng

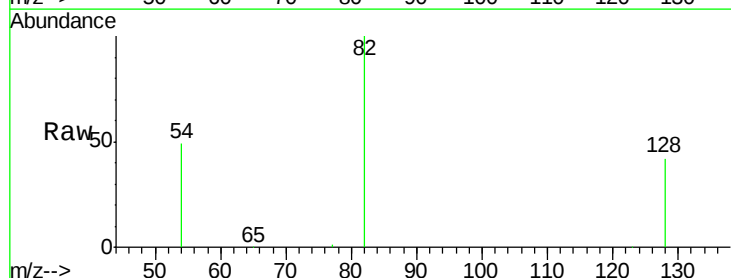
RT: 10.61 min Scan# 1286

Delta R.T. 0.00 min

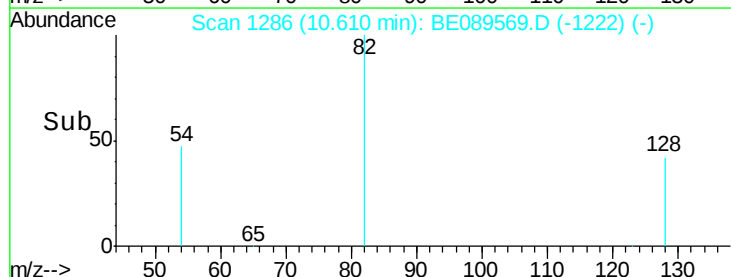
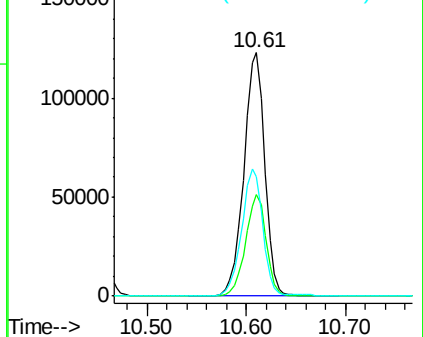
Lab File: BE089569.D

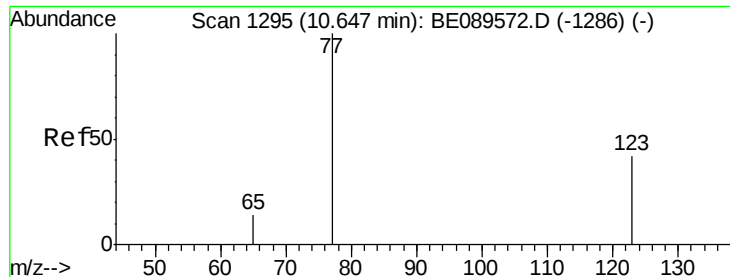
Acq: 16 Feb 2015 14:24

Tgt Ion:	82	Resp:	180209
Ion Ratio		Lower	Upper
82	100		
128	41.7	33.8	50.6
54	49.3	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: 7.93 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

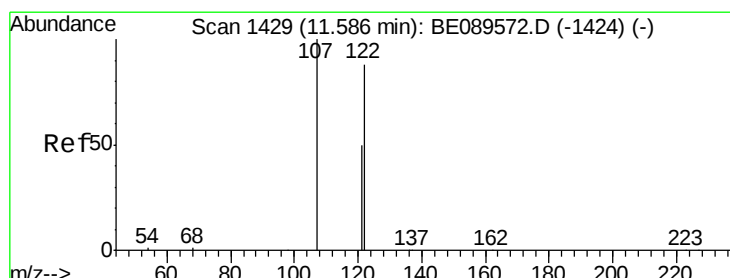
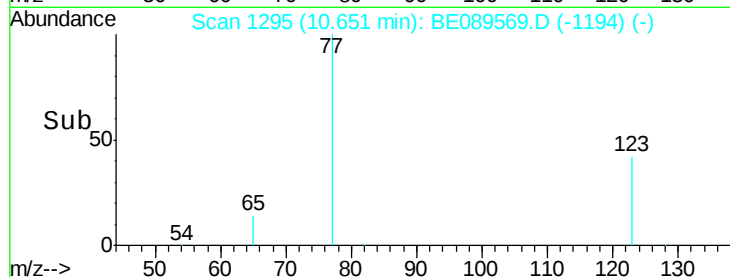
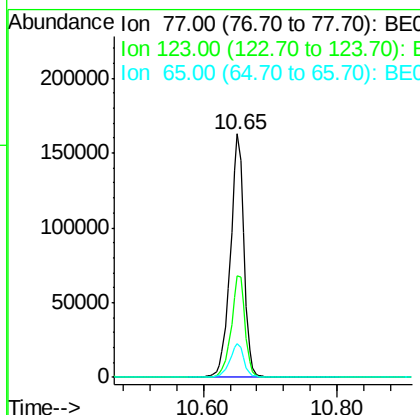
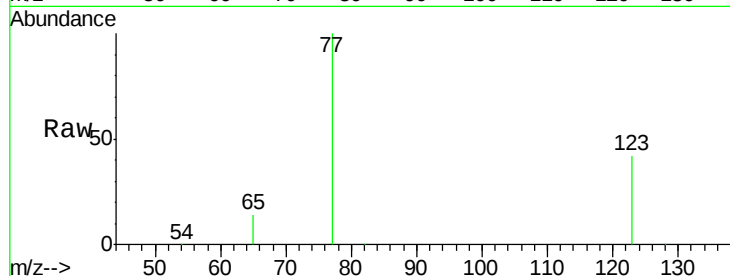
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Tot Ion:	77	Resp:	229216
Ion	Ratio	Lower	Upper
77	100		
123	42.5	34.4	51.6
65	15.1	11.4	17.2

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#10

2,4-Dimethylphenol

Concen: 8.80 ng

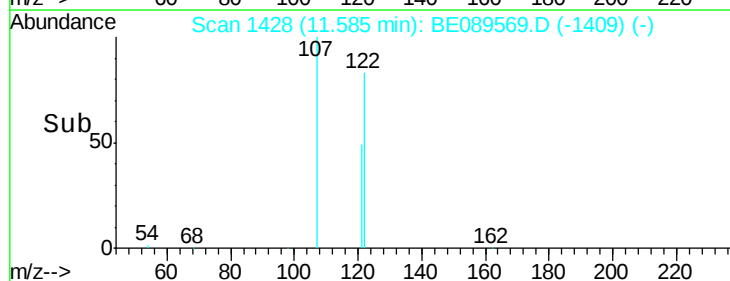
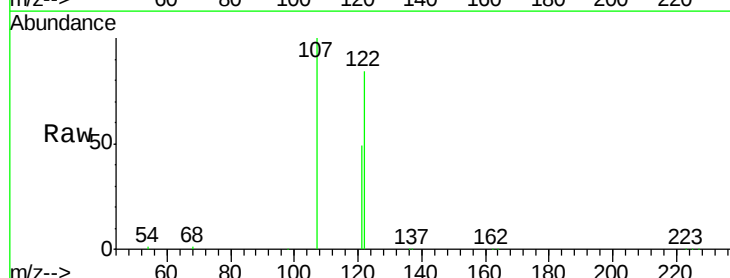
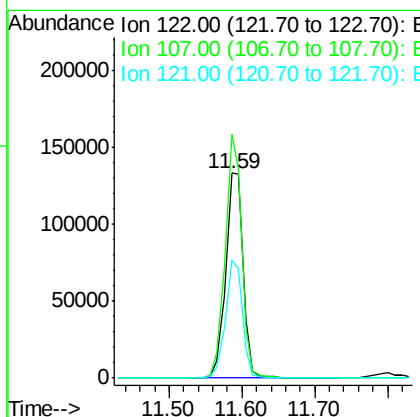
RT: 11.59 min Scan# 1428

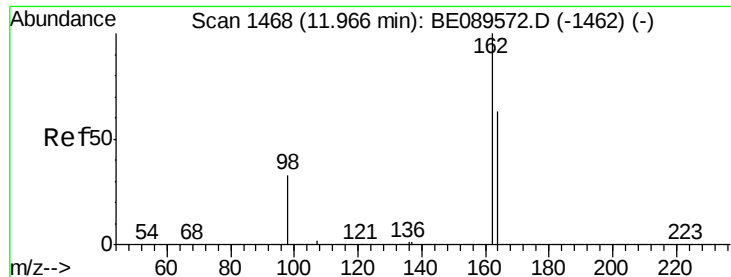
Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tgt Ion:	122	Resp:	221465
Ion	Ratio	Lower	Upper
122	100		
107	118.9	90.9	136.3
121	58.0	45.4	68.2





#11

2,4-Dichlorophenol

Concen: 9.60 ng

RT: 11.97 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

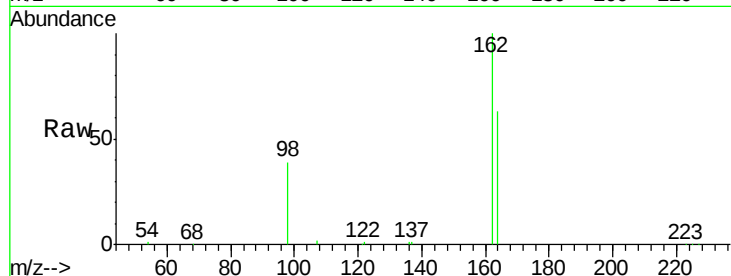
LabSampleId :

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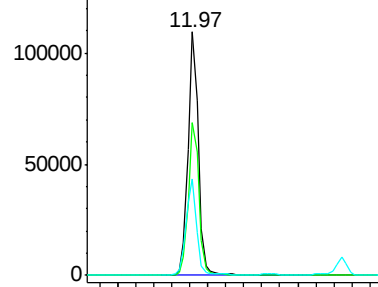
Tot Ion:	162	Resp:	173443
Ion Ratio	Lower	Upper	
162	100		
164	62.7	43.4	83.4
98	39.4	14.6	54.6

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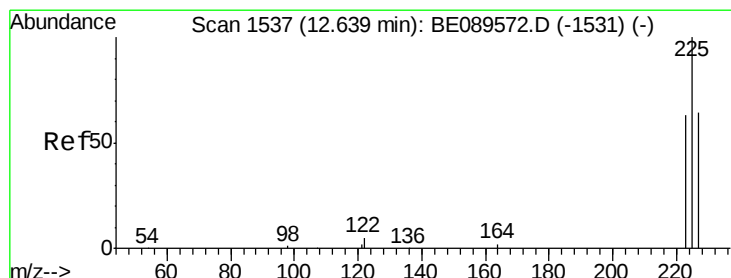
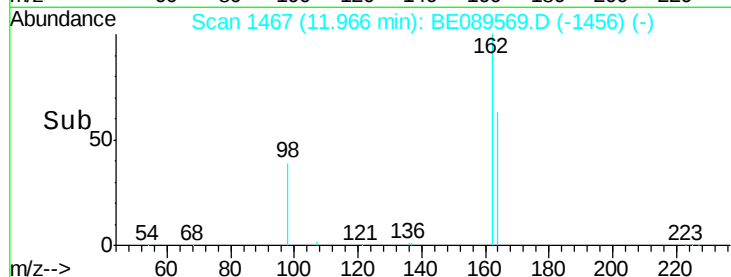
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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0



Time-->



#12

Hexachlorobutadiene

Concen: 8.95 ng

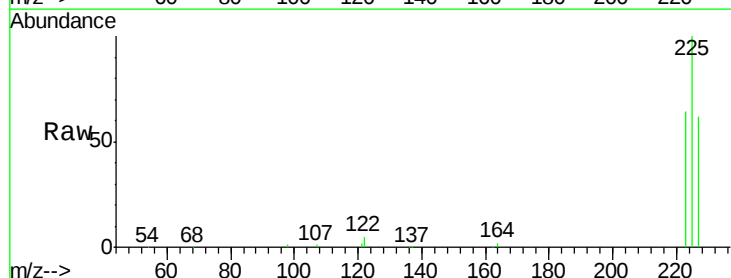
RT: 12.64 min Scan# 1536

Delta R.T. -0.00 min

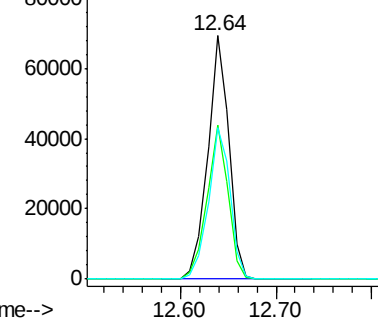
Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

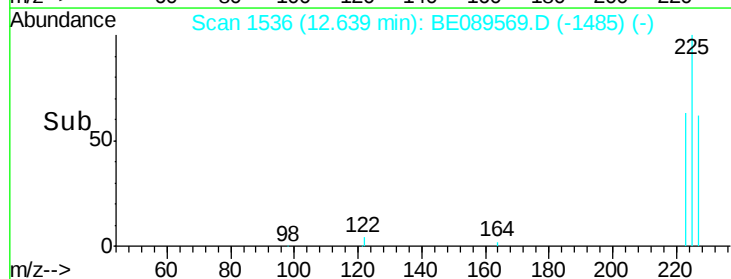
Tgt Ion:	225	Resp:	105631
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.4	75.6
227	63.6	51.0	76.6

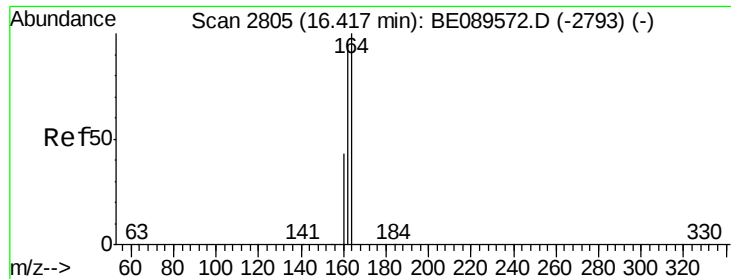


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2803

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

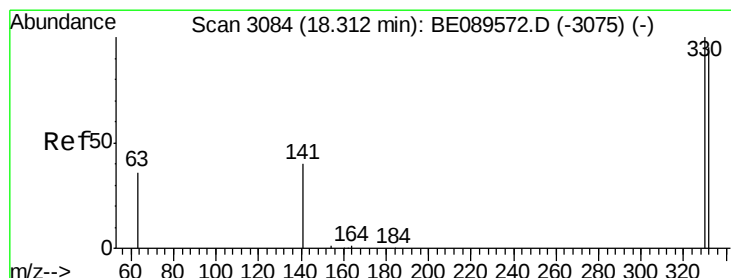
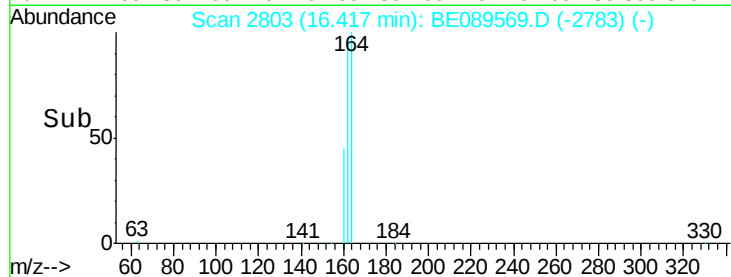
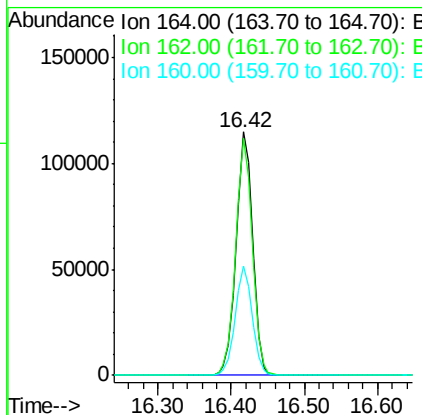
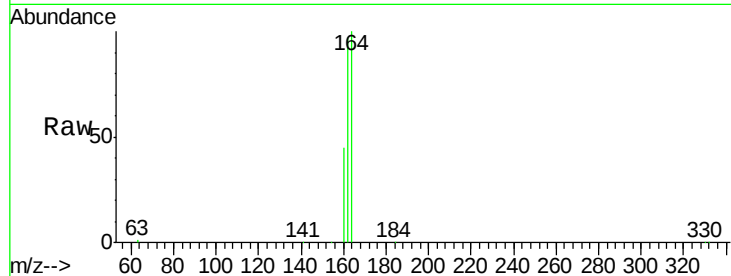
LabSampleId :

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Tot Ion:	164	Resp:	175779
Ion Ratio	Lower	Upper	
164	100		
162	97.4	76.2	114.4
160	44.7	34.7	52.1

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#14

2,4,6-Tribromophenol

Concen: 13.11 ng

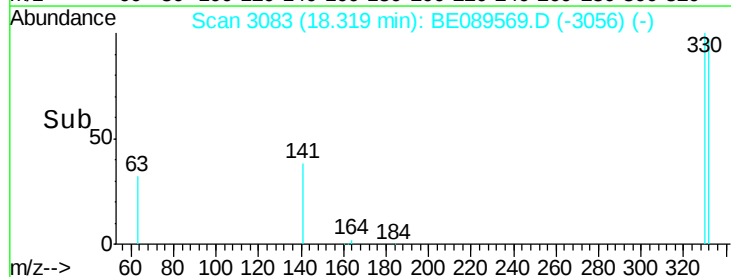
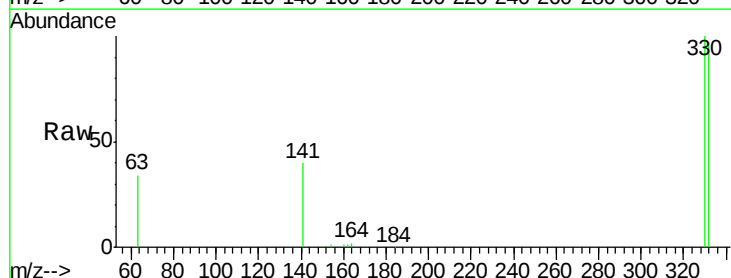
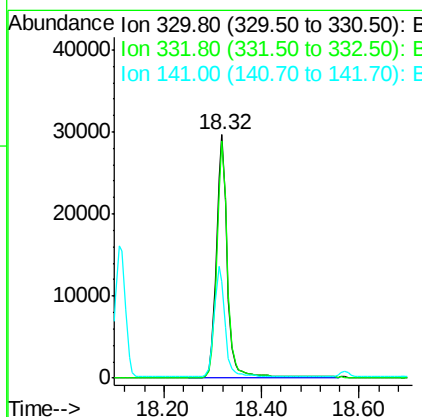
RT: 18.32 min Scan# 3083

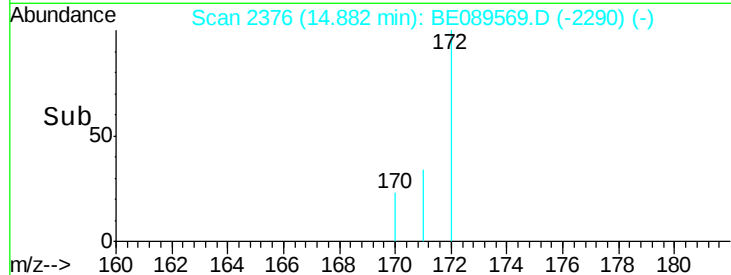
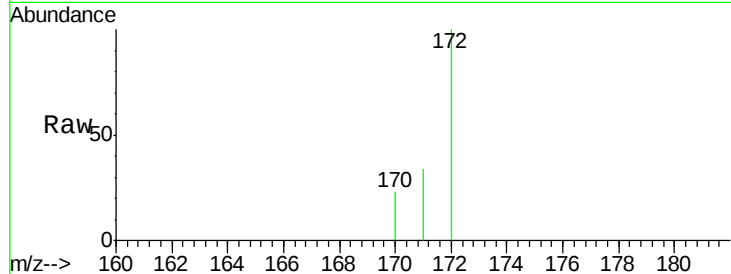
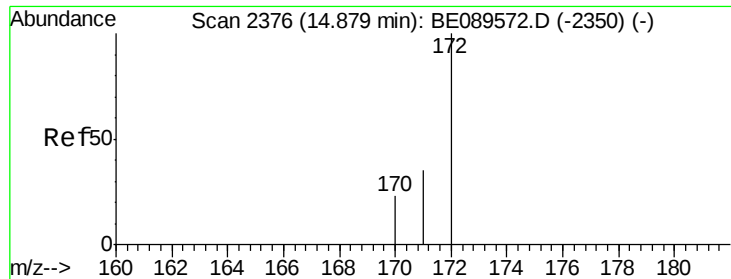
Delta R.T. 0.01 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tgt Ion:	330	Resp:	46564
Ion Ratio	Lower	Upper	
330	100		
332	97.3	78.3	117.5
141	45.6	33.4	50.0





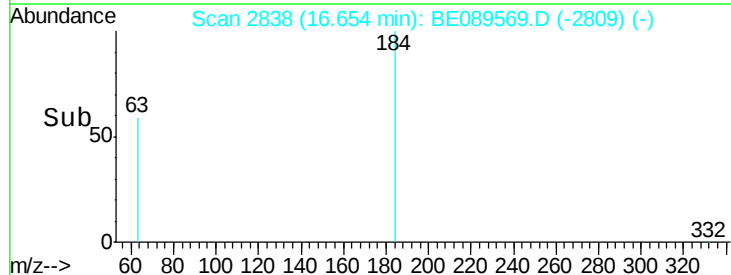
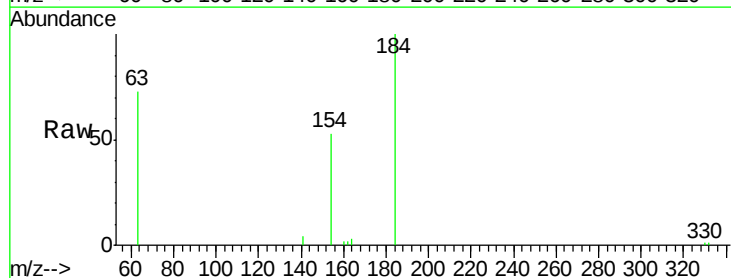
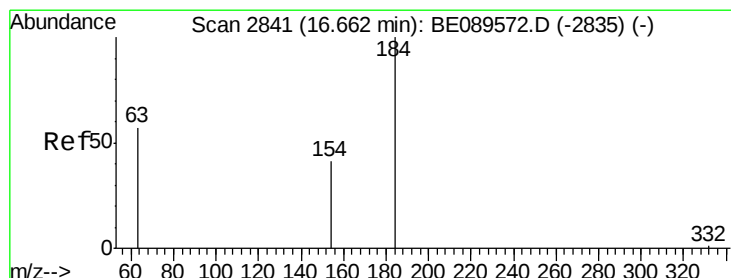
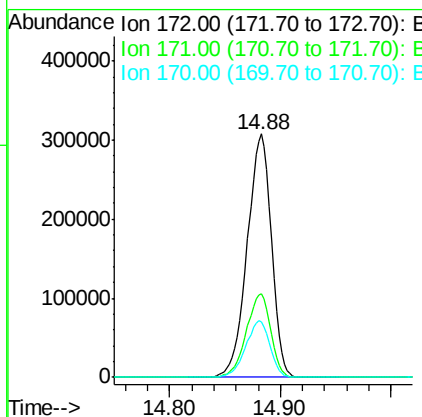
#15
2-Fluorobiphenyl
Concen: 8.38 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Tot Ion:	172	Resp:	454811
Ion Ratio	Lower	Upper	
172	100		
171	34.2	27.8	41.6
170	22.9	18.5	27.7

Instrument :
BNA_E
LabSampleId :
SSTDICC010

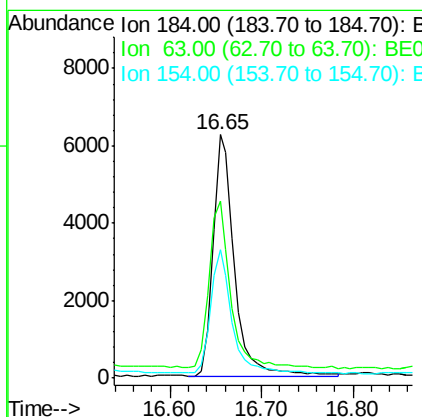
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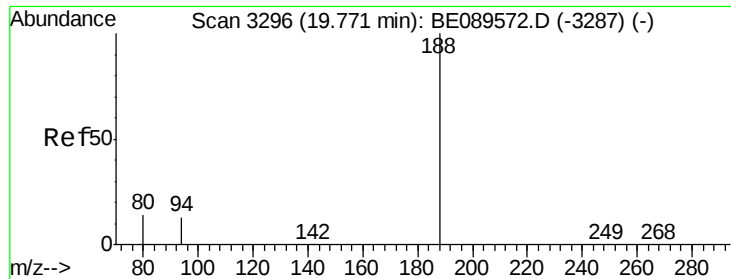
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#16
2,4-Dinitrophenol
Concen: 9.53 ng
RT: 16.65 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Tgt Ion:	184	Resp:	10253
Ion Ratio	Lower	Upper	
184	100		
63	72.6	70.8	106.2
154	52.5	52.9	79.3#





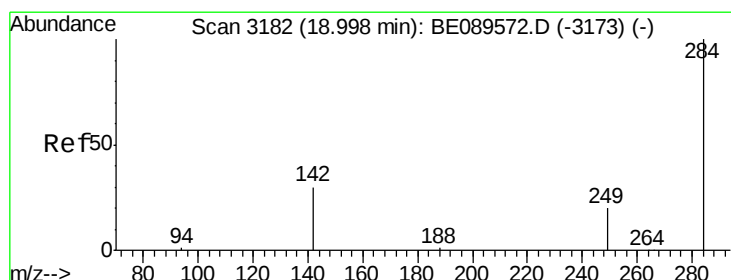
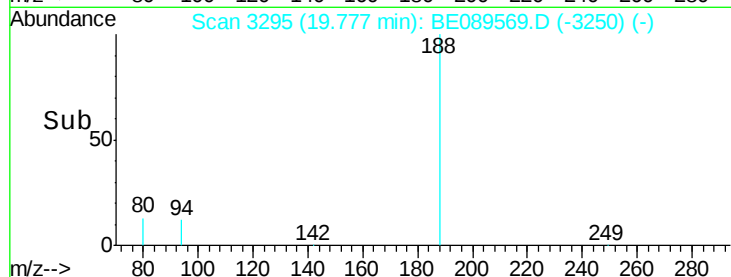
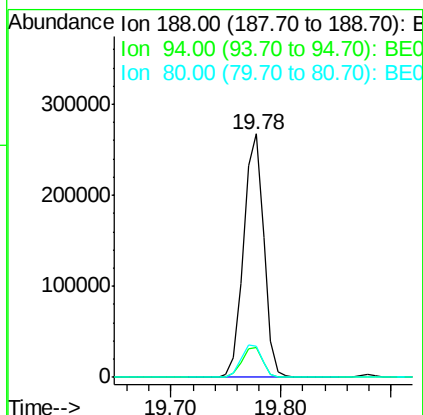
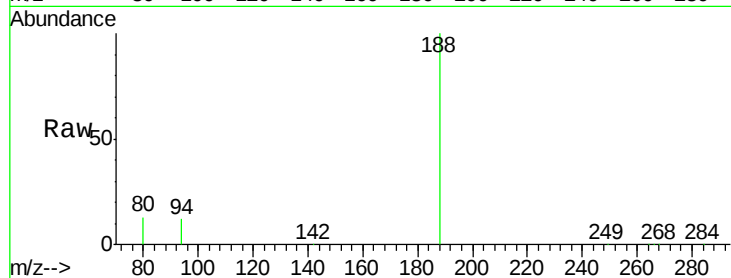
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.78 min Scan# 3295
Delta R.T. 0.01 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
188	100	338549		
94	12.1		10.2	15.4
80	12.8		11.0	16.6

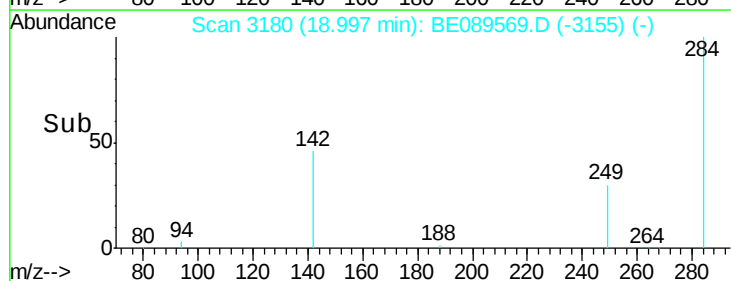
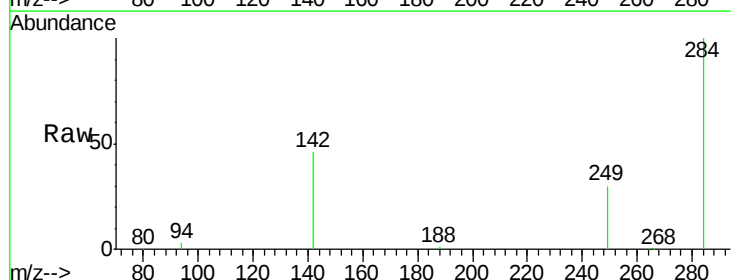
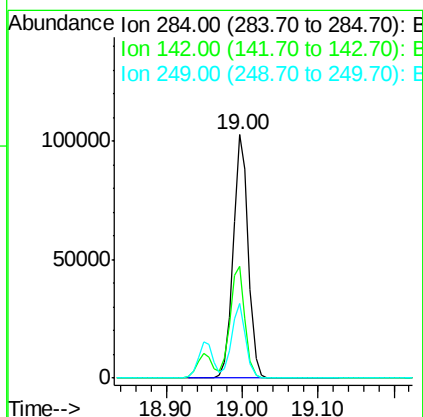
Manual Integrations
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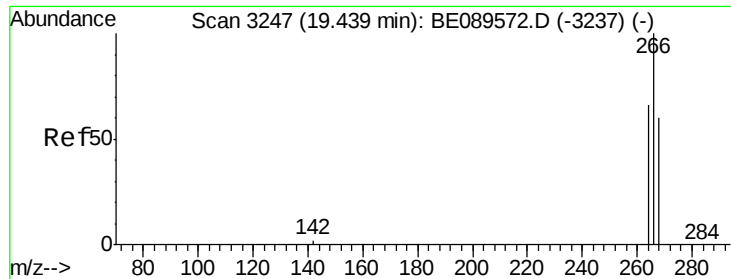
apatel
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#18
Hexachlorobenzene
Concen: 8.31 ng
RT: 19.00 min Scan# 3180
Delta R.T. -0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	137624		
142	45.7		27.6	41.4#
249	30.5		20.0	30.0#





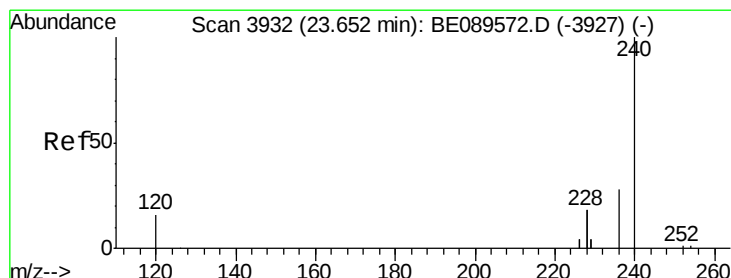
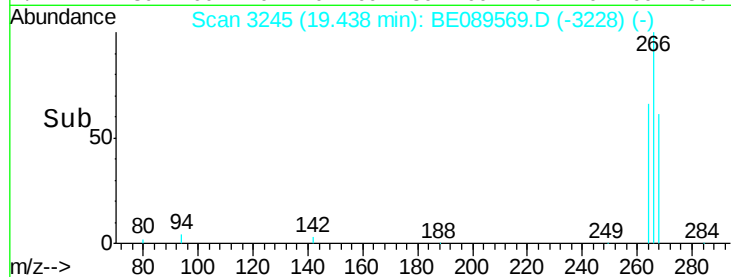
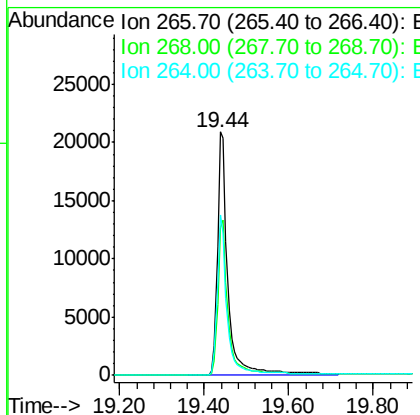
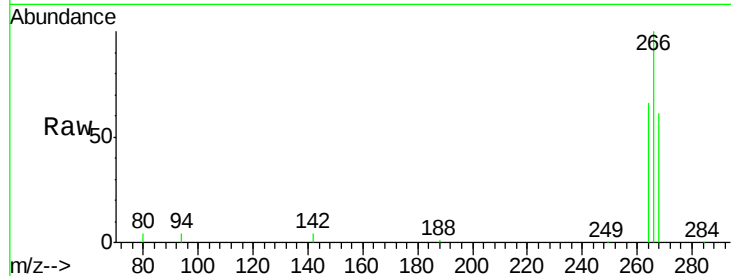
#19
 Pentachlorophenol
 Concen: 11.91 ng
 RT: 19.44 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: BE089569.D
 Acq: 16 Feb 2015 14:24

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tot Ion	Ratio	Resp	Lower	Upper
266	100			
268	60.7	50.2	75.4	
264	65.7	54.4	81.6	

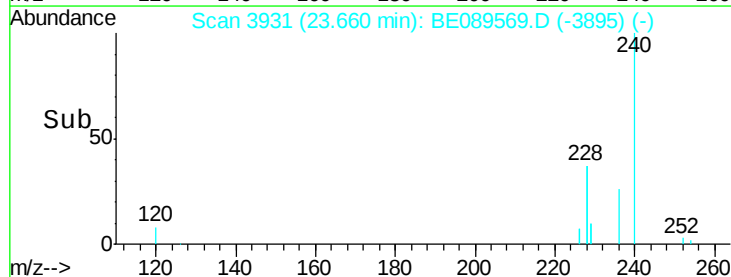
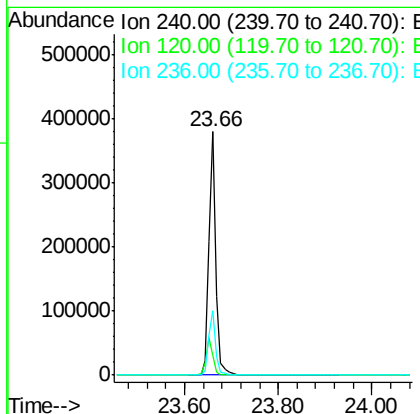
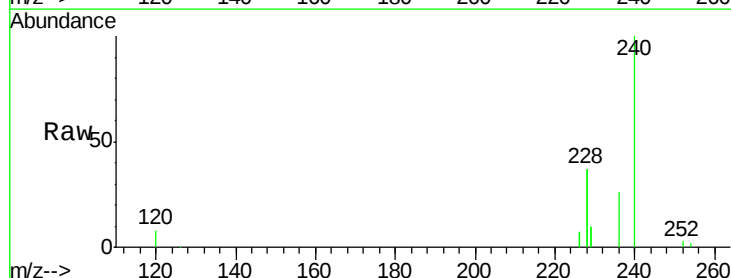
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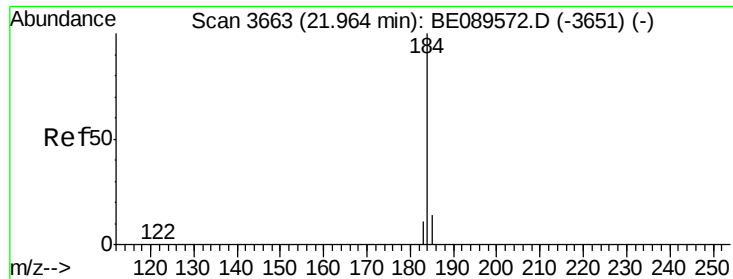
apatel
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#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3931
 Delta R.T. 0.01 min
 Lab File: BE089569.D
 Acq: 16 Feb 2015 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	8.2	12.7	19.1#	
236	26.4	22.7	34.1	





#21

Benzidine

Concen: 14.35 ng

RT: 21.96 min Scan# 3661

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

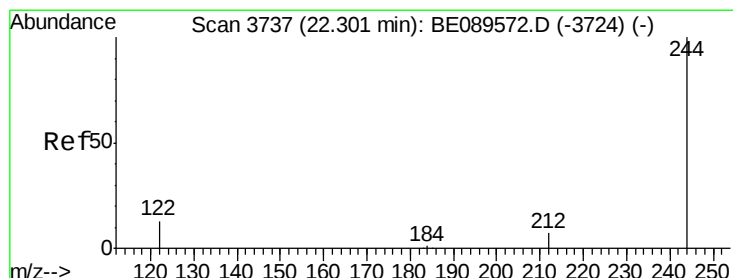
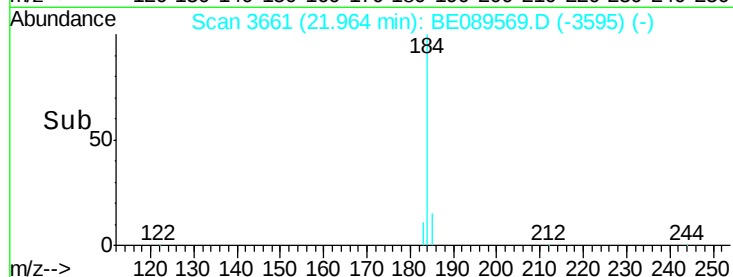
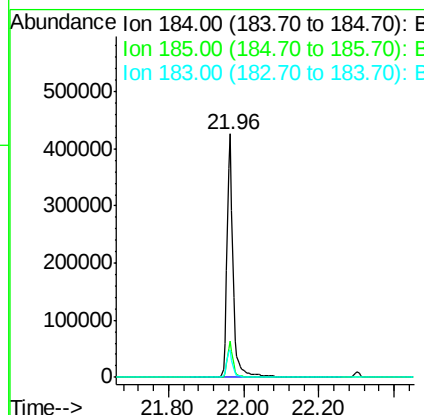
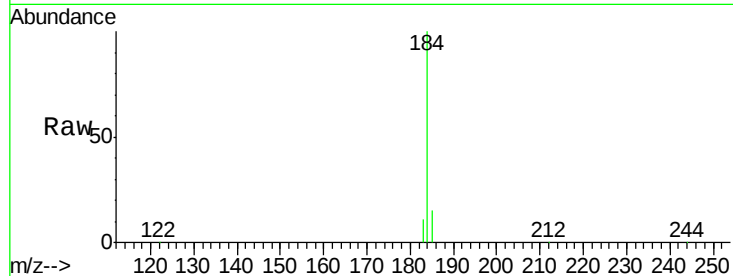
LabSampleId :

SSTDIC010

Tot Ion:	184	Resp:	481518
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.7	17.5
183	11.3	8.9	13.3

Manual Integrations
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#22

Terphenyl-d14

Concen: 14.05 ng

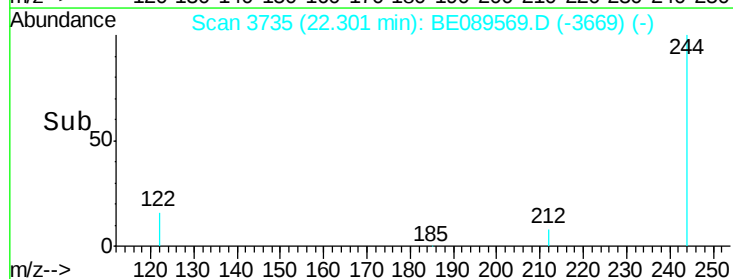
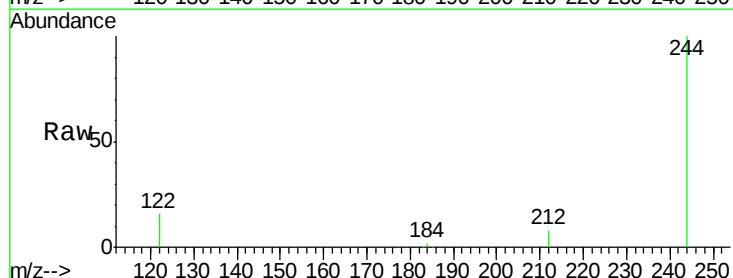
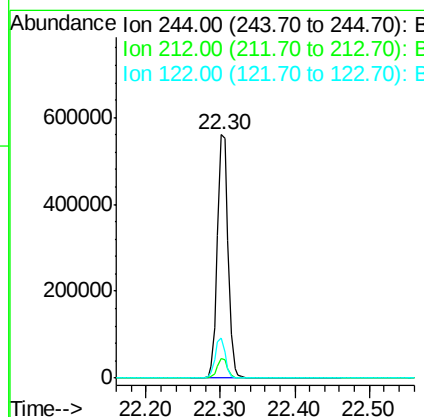
RT: 22.30 min Scan# 3735

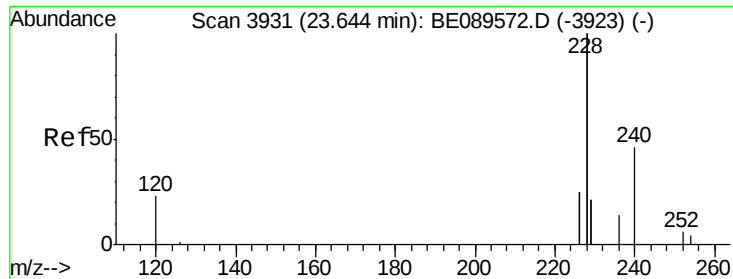
Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Tgt Ion:	244	Resp:	560705
Ion Ratio	Lower	Upper	
244	100		
212	8.2	5.9	8.9
122	16.4	10.2	15.2#





#23

Benzo(a)anthracene

Concen: 13.96 ng

RT: 23.64 min Scan# 3929

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDICC010

Tot Ion:228 Resp: 4171320

Ion Ratio Lower Upper

228 100

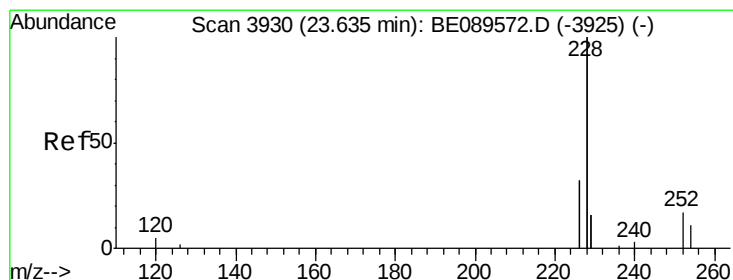
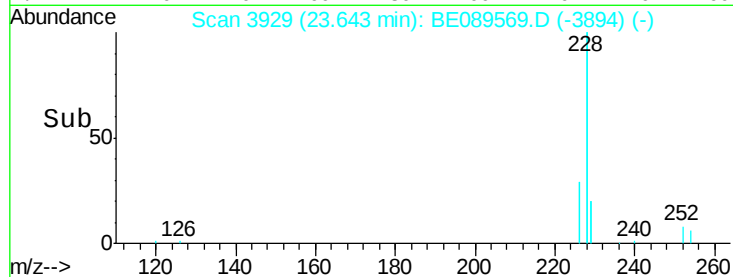
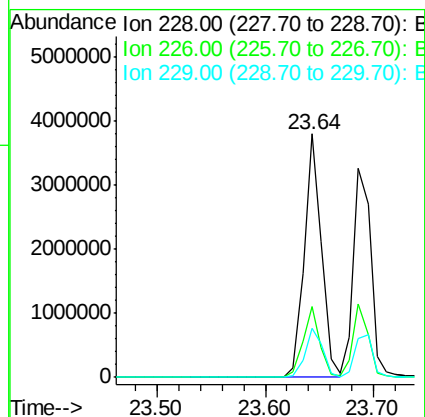
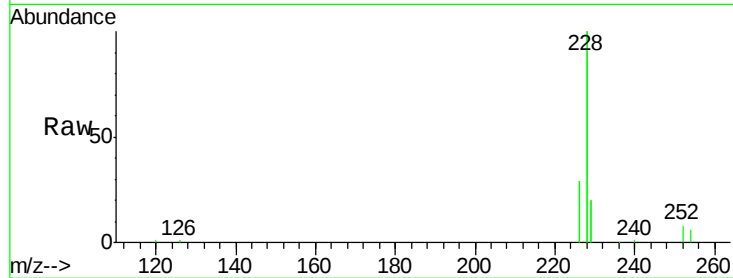
226 29.2 19.9 29.9

229 20.1 16.6 24.8

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#24

3,3'-Dichlorobenzidine

Concen: 13.52 ng

RT: 23.63 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

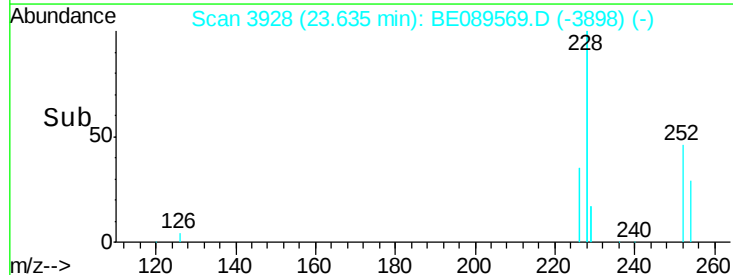
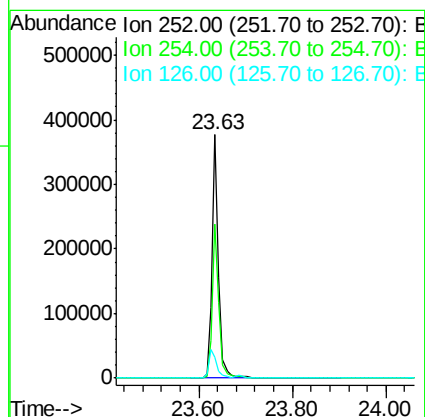
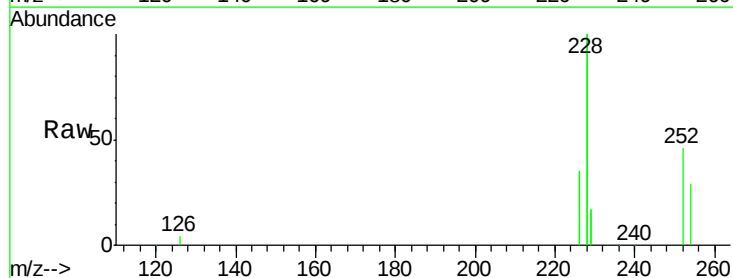
Tgt Ion:252 Resp: 369443

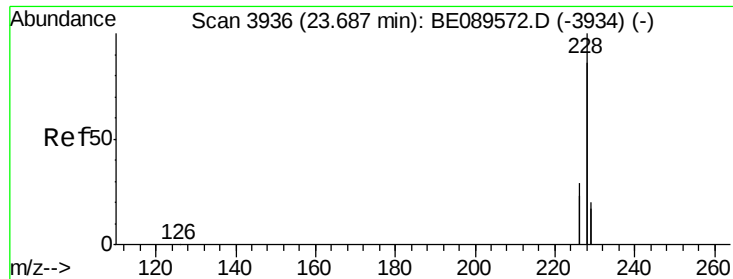
Ion Ratio Lower Upper

252 100

254 63.1 51.0 76.4

126 8.8 8.3 12.5





#25

Chrysene

Concen: 7.99 ng/mL

RT: 23.69 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDIC010

Tot Ion:228 Resp: 3678967

Ion Ratio Lower Upper

228 100

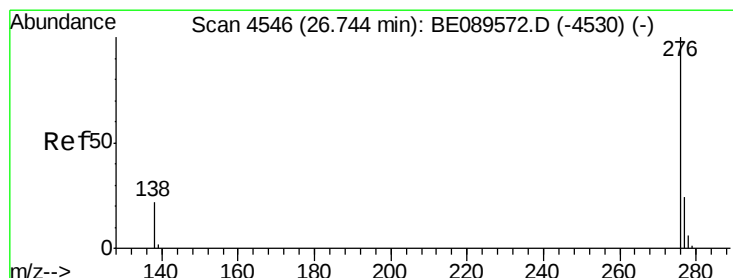
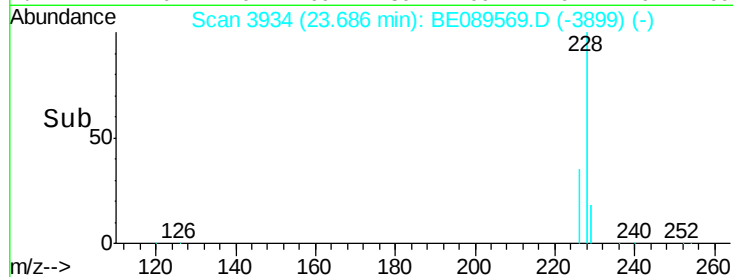
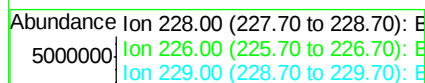
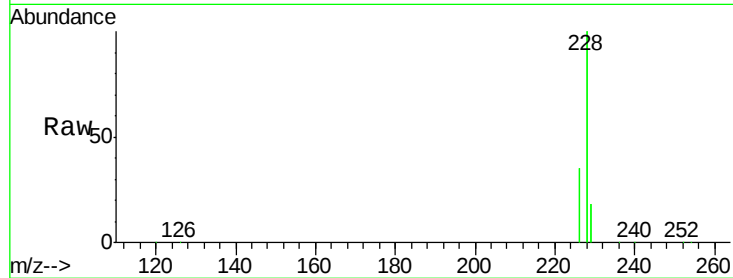
226 34.7 22.9 34.3#

229 18.5 15.8 23.6

Manual Integrations
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#26

Indeno(1,2,3-cd)pyrene

Concen: 5.38 ng/mL

RT: 26.75 min Scan# 4546

Delta R.T. 0.01 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

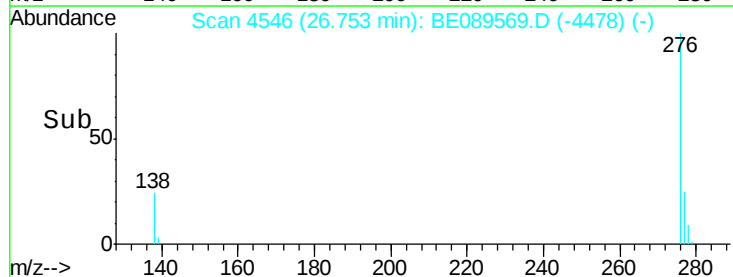
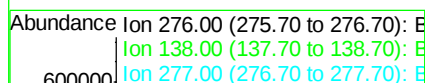
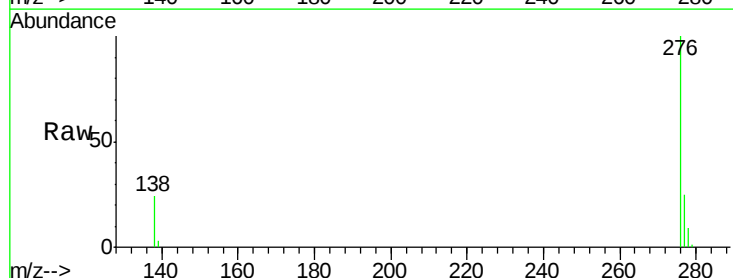
Tgt Ion:276 Resp: 1138501

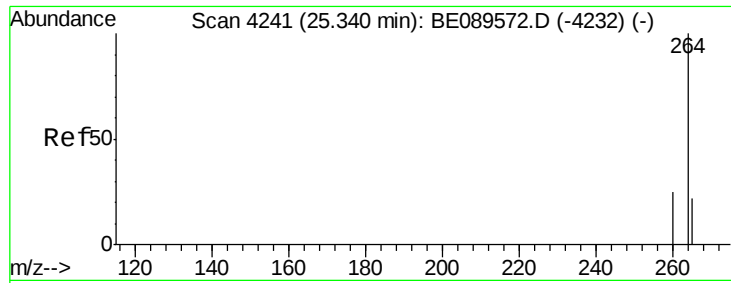
Ion Ratio Lower Upper

276 100

138 29.0 22.1 33.1

277 25.7 19.4 29.2





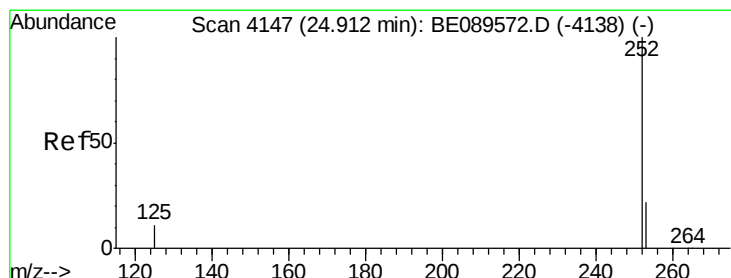
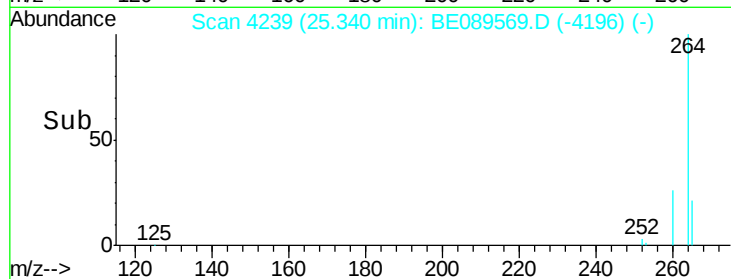
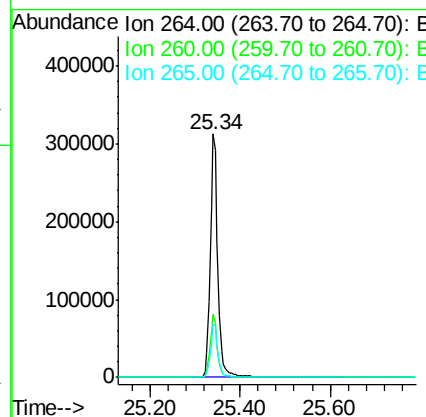
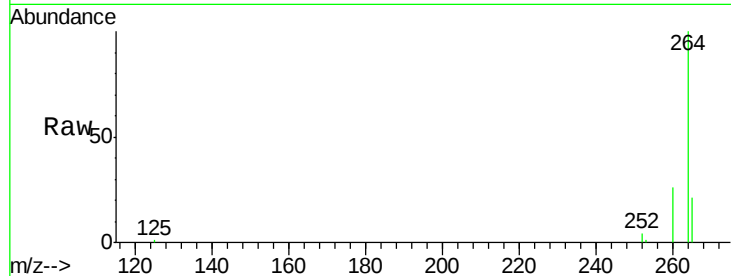
#27
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4239
Delta R.T. -0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.8	29.6
265	21.5	17.5	26.3

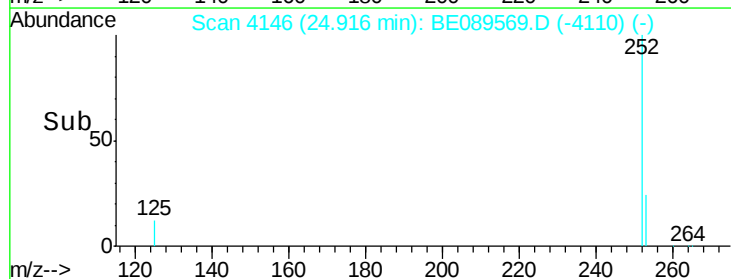
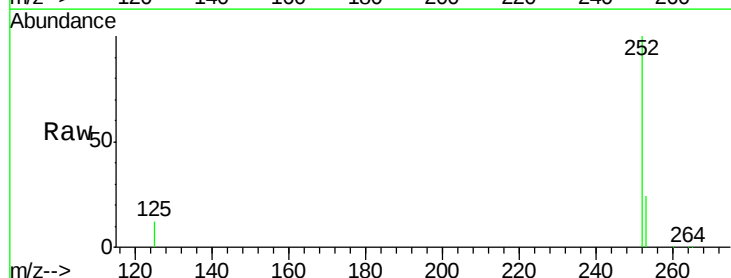
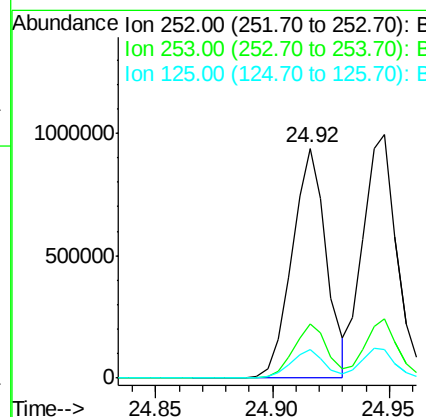
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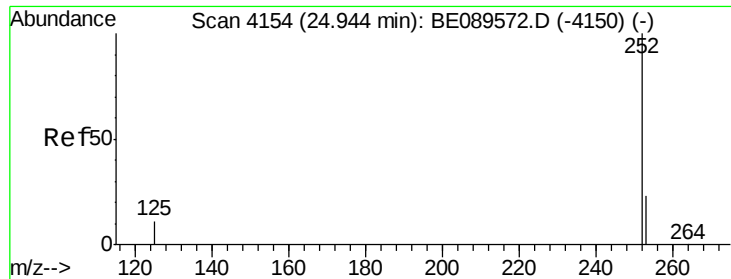
apatel
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#28
Benzo(b)fluoranthene
Concen: 24.95 ng
RT: 24.92 min Scan# 4146
Delta R.T. 0.00 min
Lab File: BE089569.D
Acq: 16 Feb 2015 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.4	9.0	13.4





#29

Benzo(k)fluoranthene

Concen: 13.56 ng

RT: 24.95 min Scan# 4153

Delta R.T. 0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDICC010

Tot Ion:252 Resp: 1055519

Ion Ratio Lower Upper

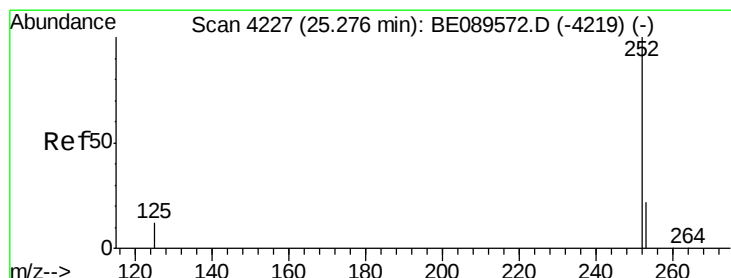
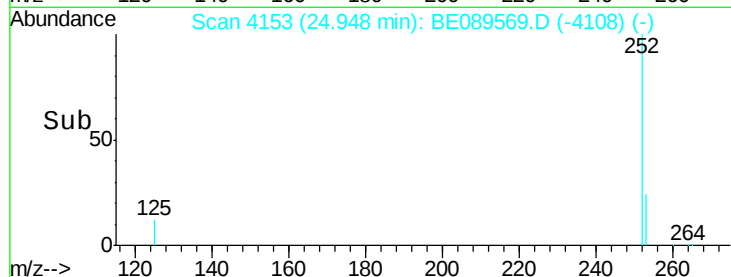
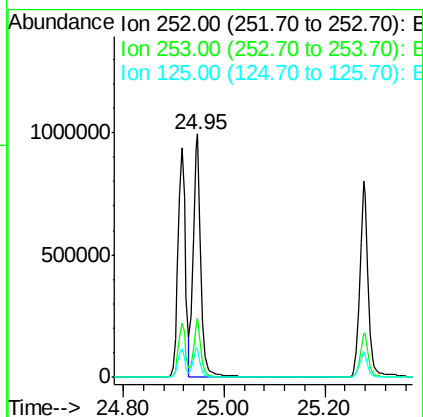
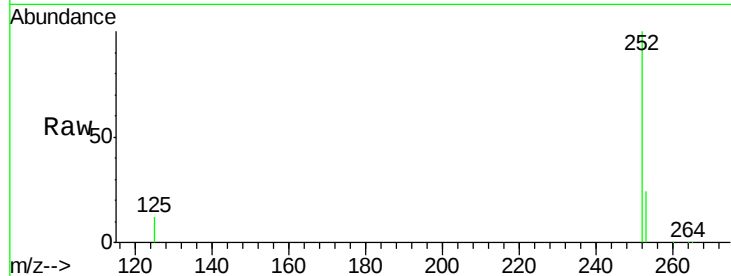
252 100

253 24.4 18.2 27.2

125 11.8 8.9 13.3

Manual Integrations
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#30

Benzo(a)pyrene

Concen: 19.82 ng

RT: 25.28 min Scan# 4225

Delta R.T. -0.00 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

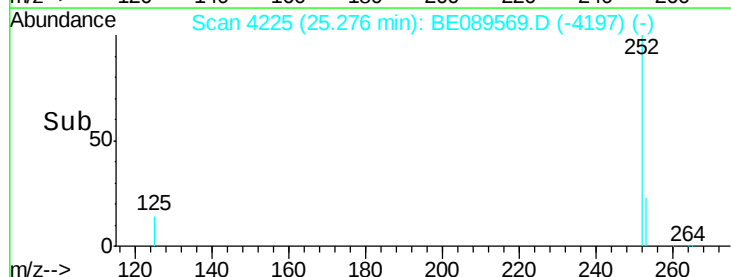
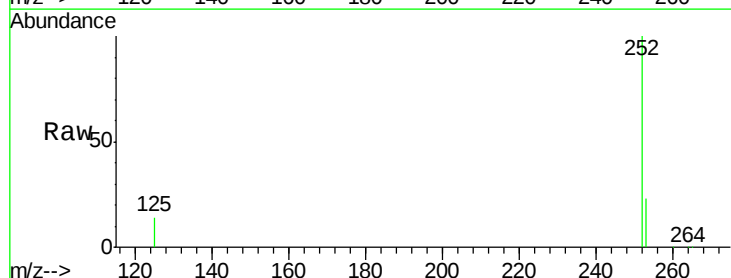
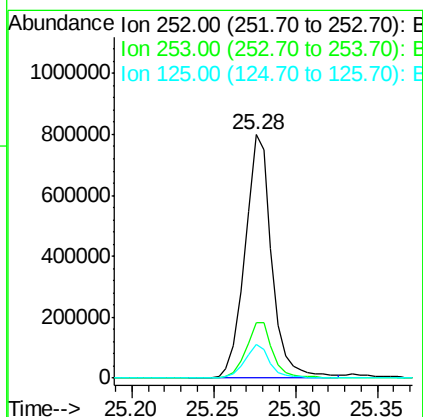
Tgt Ion:252 Resp: 907150

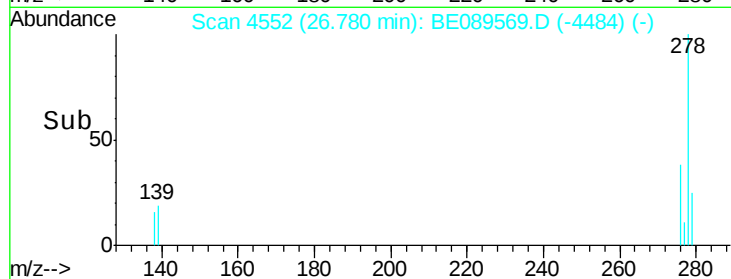
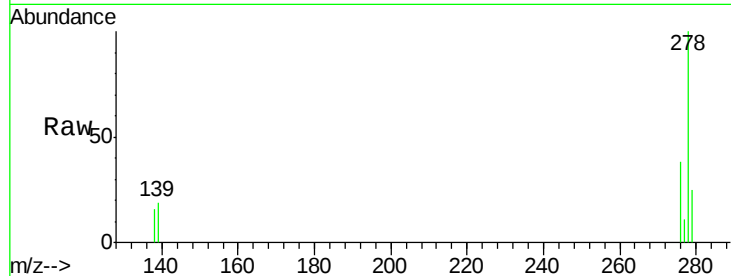
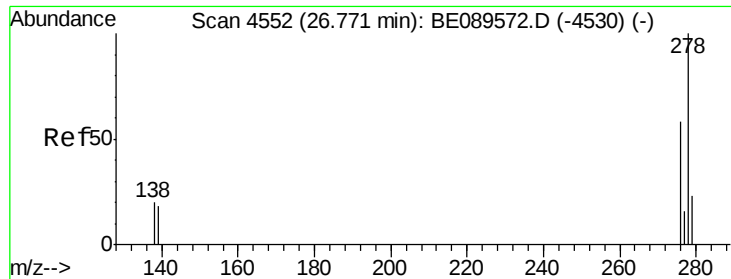
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 13.6 9.5 14.3





#31

Dibenzo(a,h)anthracene

Concen: 21.73 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.01 min

Lab File: BE089569.D

Acq: 16 Feb 2015 14:24

Instrument :

BNA_E

LabSampleId :

SSTDIC010

Tot Ion: 278 Resp: 914568

Ion Ratio Lower Upper

278 100

139 19.4 14.7 22.1

279 24.8 19.0 28.4

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:01 PM

