

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089572.D
 Acq On : 16 Feb 2015 16:27
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Manual Integrations
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Quant Time: Feb 16 17:25:36 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	9.34	152	78577	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	312599	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	144642	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	273646	5.00	ng	0.00
20) Chrysene-d12	23.65	240	310751	5.00	ng	0.00
27) Perylene-d12	25.34	264	294199	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.50	112	22740	0.88	ng	0.00
4) Phenol-d6	8.63	99	29913	0.93	ng	0.00
8) Nitrobenzene-d5	10.61	82	12705	0.58	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	3080	1.05	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	40391	0.90	ng	0.00
22) Terphenyl-d14	22.30	244	42294	1.36	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.36	42	12082m	0.92	ng	
5) Phenol	8.65	94	32522	0.99	ng	100
6) bis(2-Chloroethyl)ether	8.83	93	24640	1.00	ng	# 100
9) Nitrobenzene	10.65	77	14968	0.60	ng	100
10) 2,4-Dimethylphenol	11.59	122	18435	0.85	ng	100
11) 2,4-Dichlorophenol	11.97	162	14431	0.93	ng	100
12) Hexachlorobutadiene	12.64	225	9672	0.95	ng	100
16) 2,4-Dinitrophenol	16.66	184	374	0.42	ng	100
18) Hexachlorobenzene	19.00	284	11770	0.88	ng	100
19) Pentachlorophenol	19.44	266	1818	0.74	ng	100
21) Benzidine	21.96	184	25255	0.97	ng	100
23) Benzo(a)anthracene	23.64	228	303353	1.30	ng	100
24) 3,3'-Dichlorobenzidine	23.64	252	20597	0.97	ng	100
25) Chrysene	23.69	228	297861	0.83	ng	100
26) Indeno(1,2,3-cd)pyrene	26.74	276	74074	0.45	ng	100
28) Benzo(b)fluoranthene	24.91	252	58499	1.88	ng	100
29) Benzo(k)fluoranthene	24.94	252	82217	1.31	ng	100
30) Benzo(a)pyrene	25.28	252	57199	1.55	ng	100
31) Dibenzo(a,h)anthracene	26.77	278	58609	1.73	ng	100

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

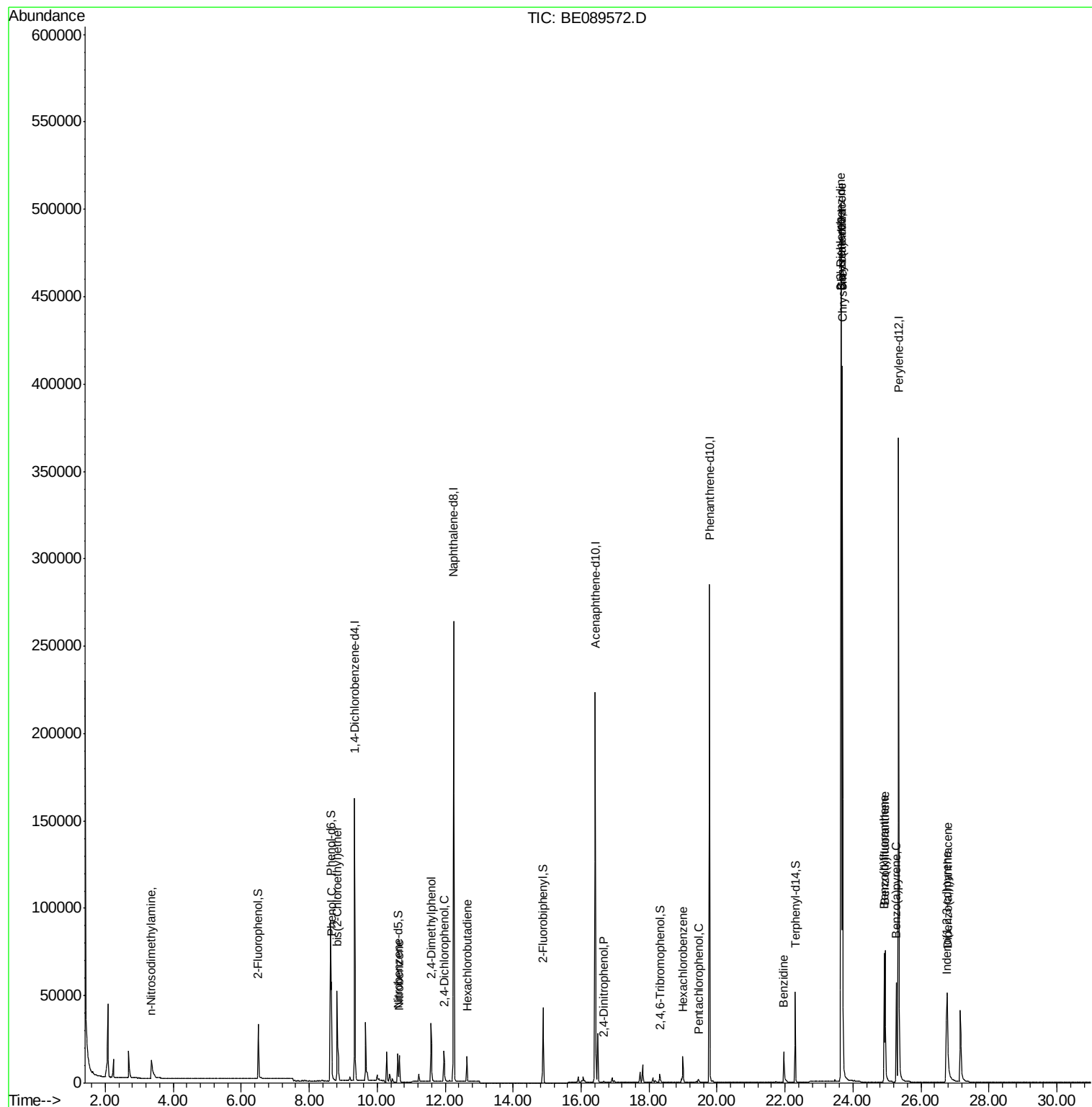
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
Data File : BE089572.D
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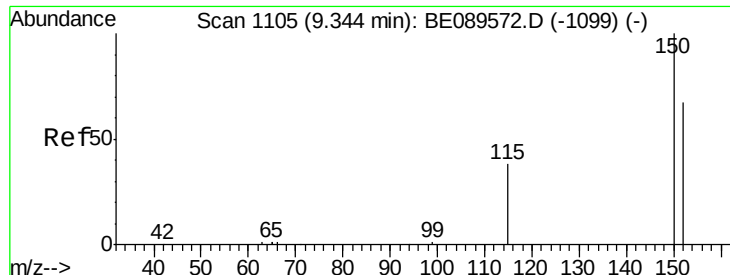
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

Tot Ion:152 Resp: 78577

Ion Ratio Lower Upper

152 100

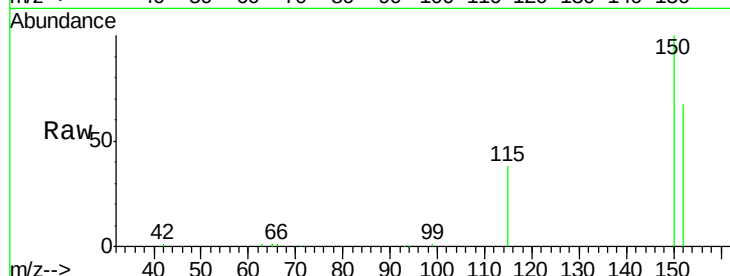
150 150.2 120.2 180.2

115 56.5 45.2 67.8

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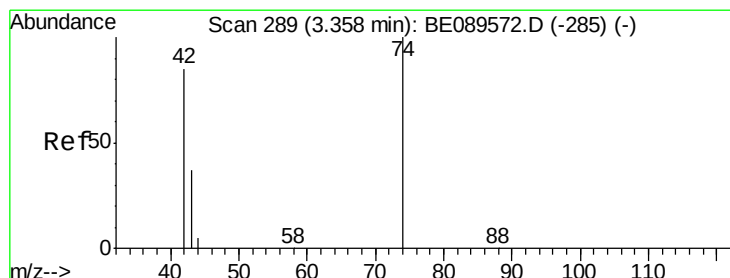
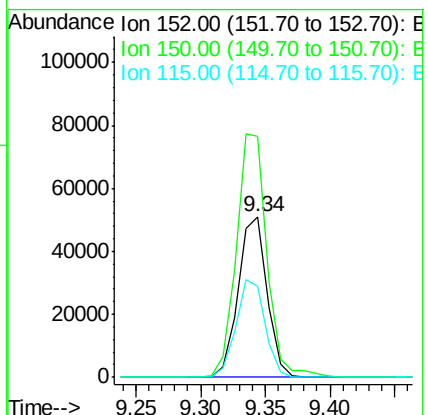
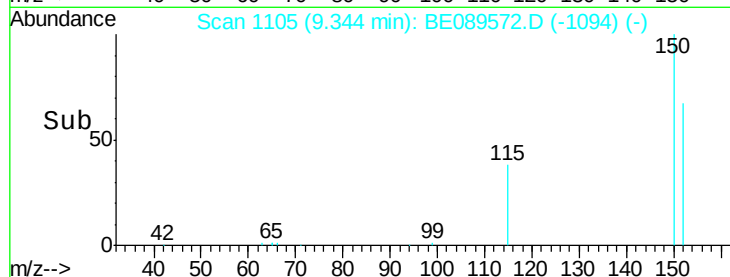
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.92 ng m

RT: 3.36 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

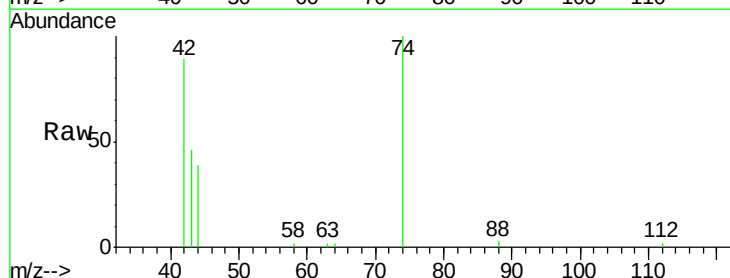
Tgt Ion: 42 Resp: 12082

Ion Ratio Lower Upper

42 100

74 112.6 90.1 135.1

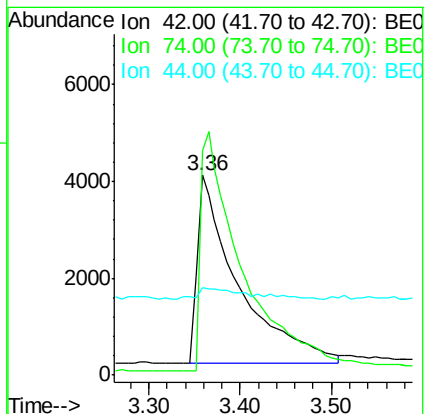
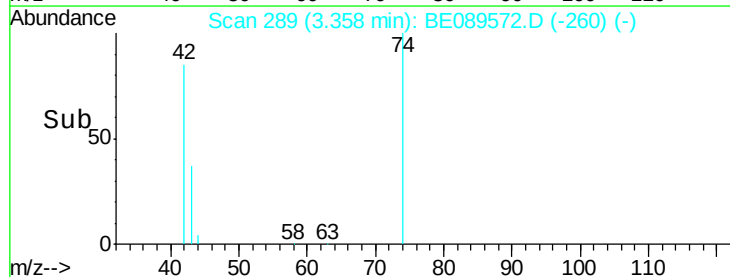
44 43.7 35.0 52.4

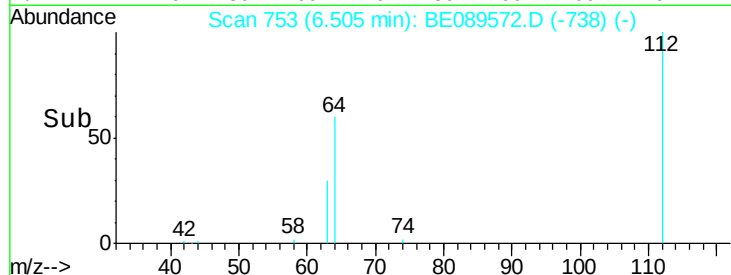
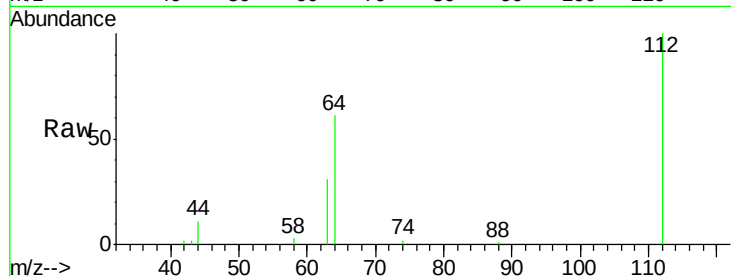
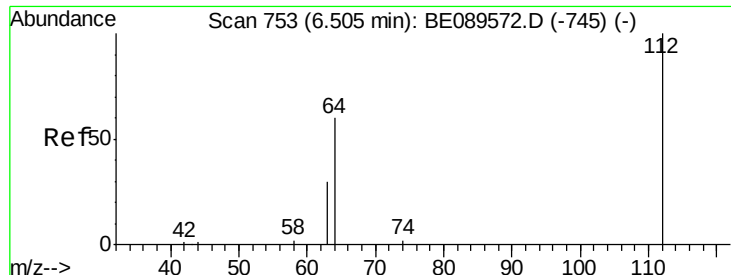


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





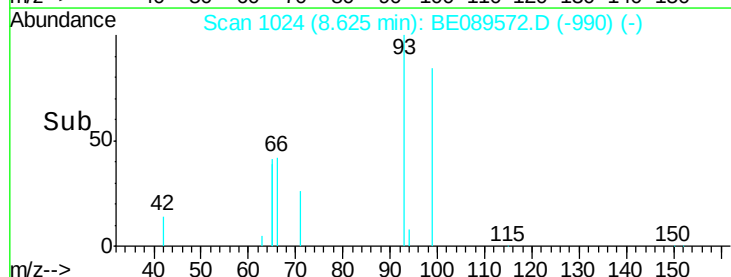
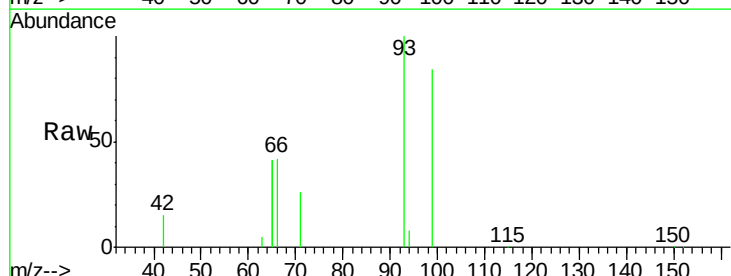
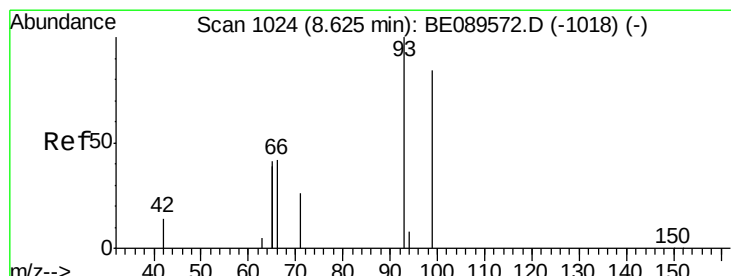
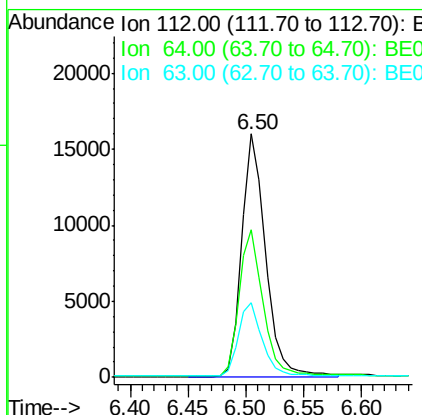
#3
2-Fluorophenol
Concen: 0.88 ng
RT: 6.50 min Scan# 753
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tot Ion	Ratio	Resp	Lower	Upper
112	100	22740		
64	60.7	48.6	72.8	
63	30.8	24.6	37.0	

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

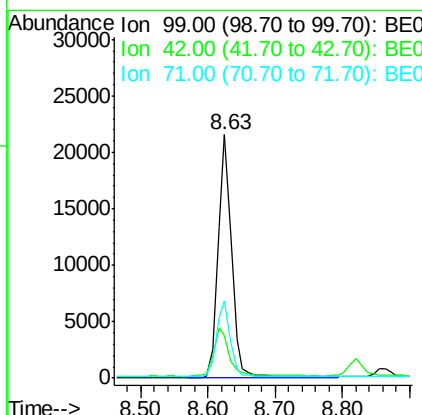
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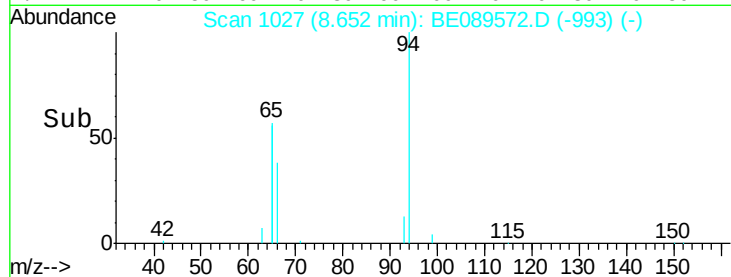
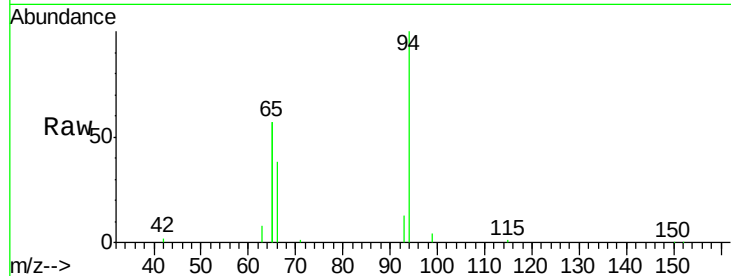
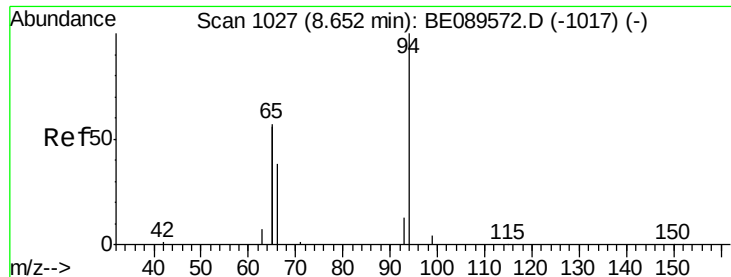
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#4
Phenol-d6
Concen: 0.93 ng
RT: 8.63 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	29913		
42	17.4	13.9	20.9	
71	31.5	25.2	37.8	





#5

Phenol

Concen: 0.99 ng

RT: 8.65 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Instrument :

BNA_E

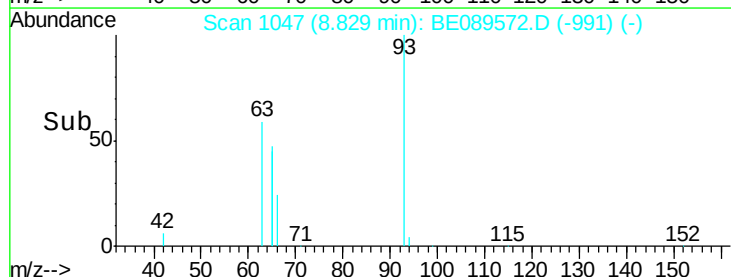
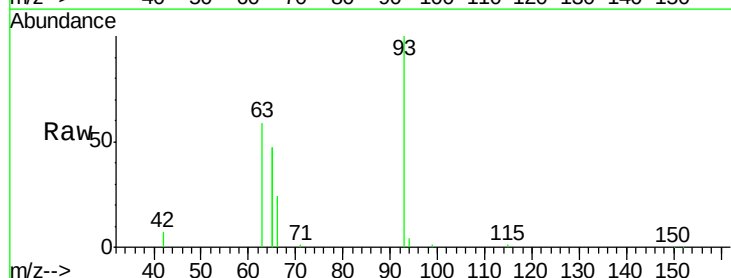
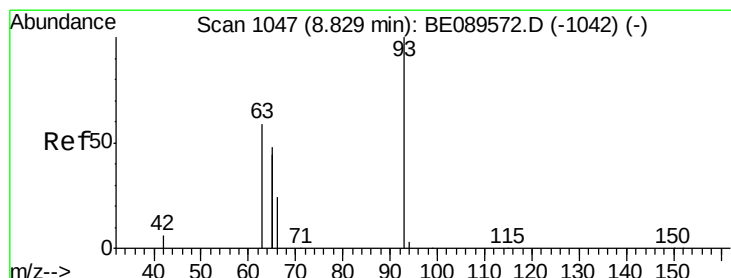
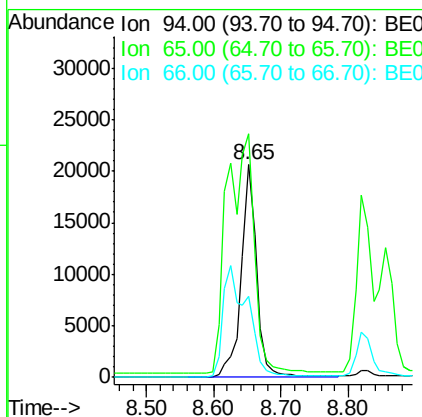
LabSampleId :

SSTDICCC001

Tot Ion:	94	Resp:	32522
Ion	Ratio	Lower	Upper
94	100		
65	114.5	94.5	134.5
66	38.2	18.2	58.2

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#6

bis(2-Chloroethyl)ether

Concen: 1.00 ng

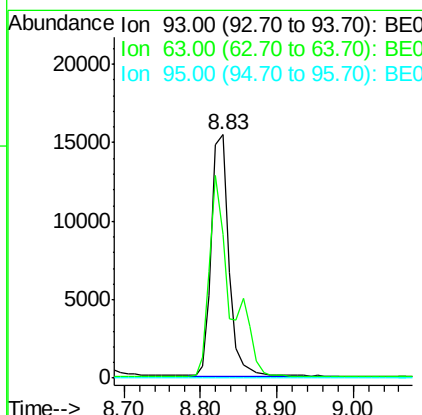
RT: 8.83 min Scan# 1047

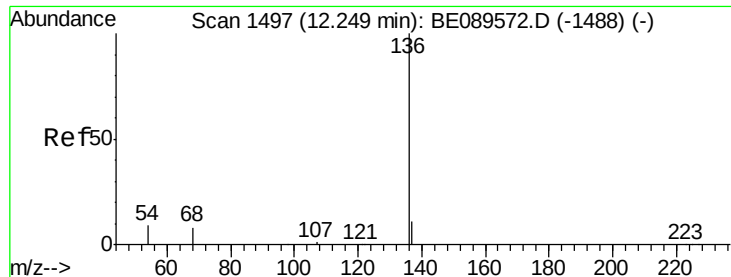
Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Tgt Ion:	93	Resp:	24640
Ion	Ratio	Lower	Upper
93	100		
63	102.1	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: BE089572.D

Acq: 16 Feb 2015 16:27

Instrument :

BNA_E

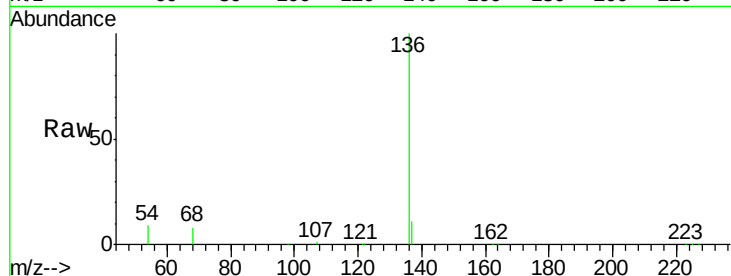
LabSampleId :

SSTDICCC001

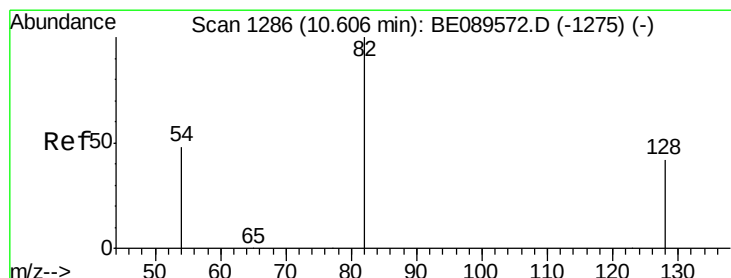
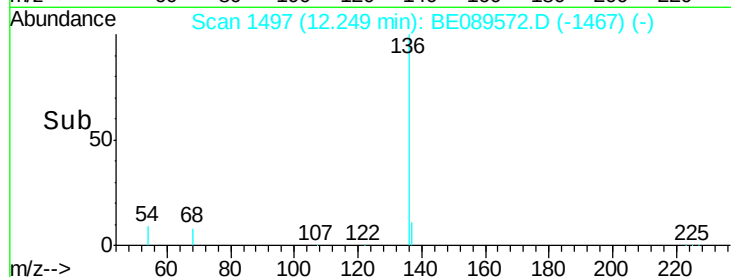
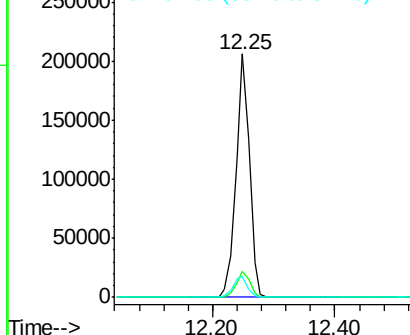
Tot Ion:	136	Resp:	312599
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	8.7	7.0	10.4

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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: 0.58 ng

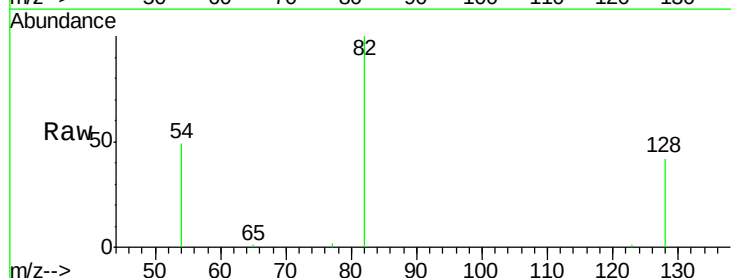
RT: 10.61 min Scan# 1286

Delta R.T. 0.00 min

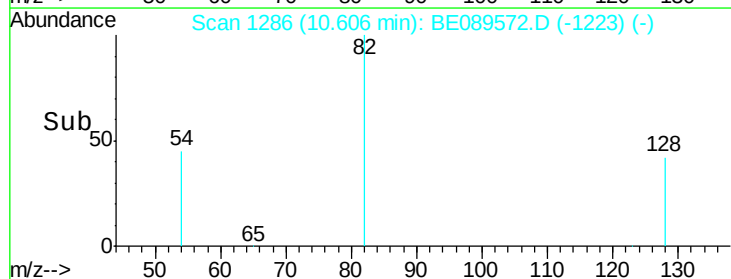
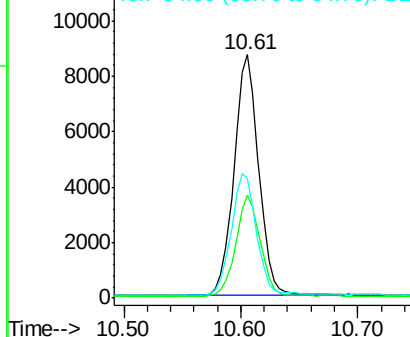
Lab File: BE089572.D

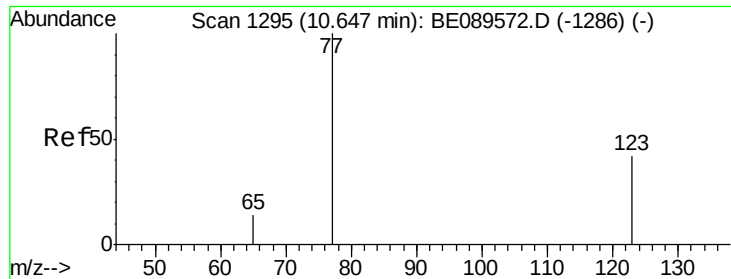
Acq: 16 Feb 2015 16:27

Tgt Ion:	82	Resp:	12705
Ion Ratio	Lower	Upper	
82	100		
128	42.2	33.8	50.6
54	48.8	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: 0.60 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

Tot Ion: 77 Resp: 14968

Ion Ratio Lower Upper

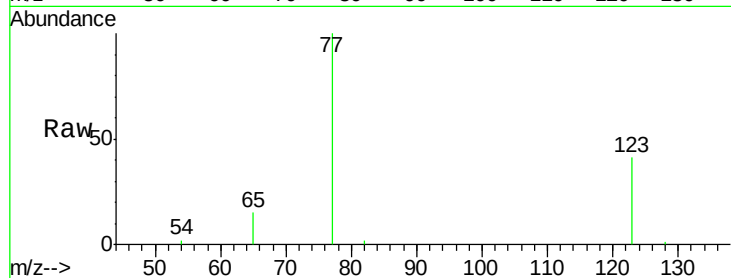
77 100

123 43.0 34.4 51.6

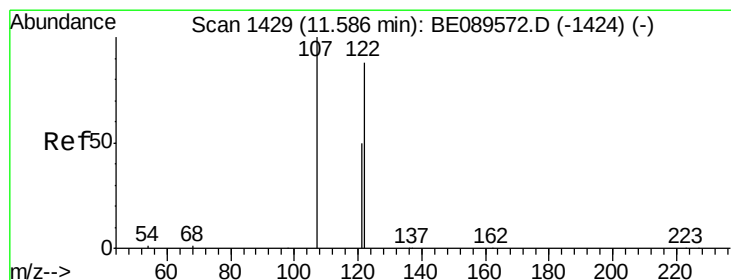
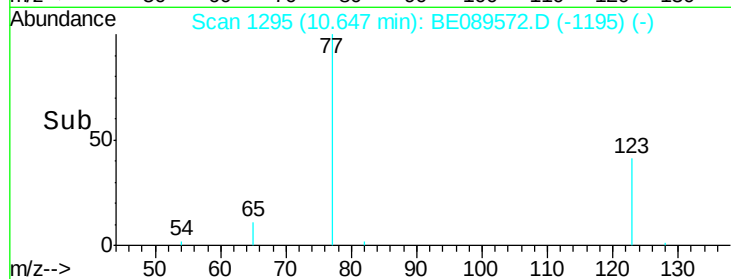
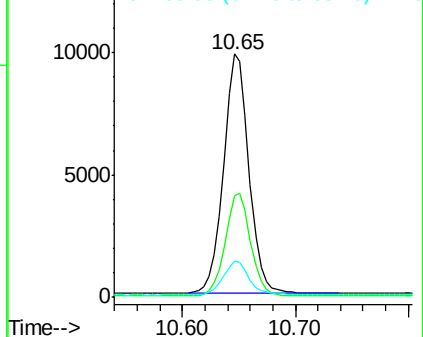
65 14.3 11.4 17.2

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Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.85 ng

RT: 11.59 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

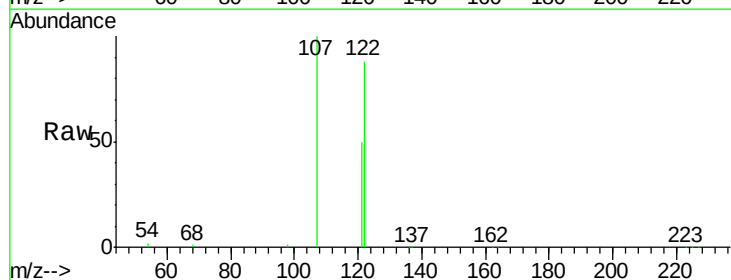
Tgt Ion: 122 Resp: 18435

Ion Ratio Lower Upper

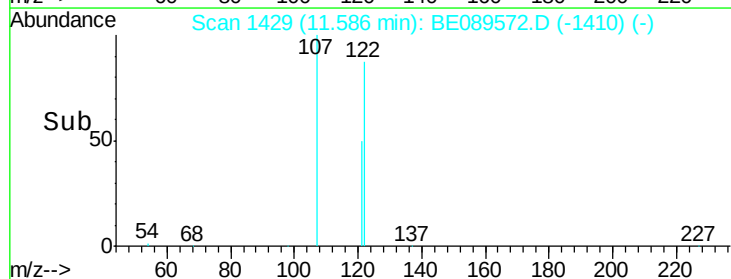
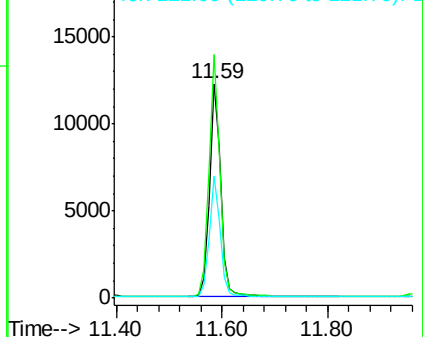
122 100

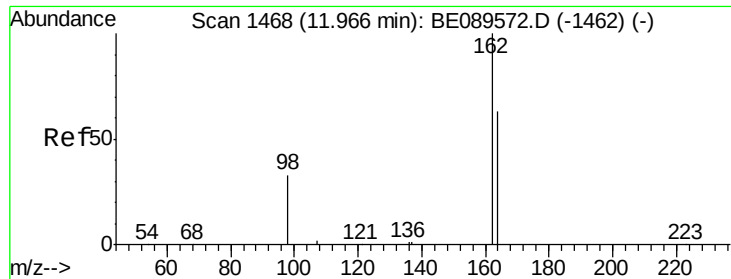
107 113.6 90.9 136.3

121 56.8 45.4 68.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





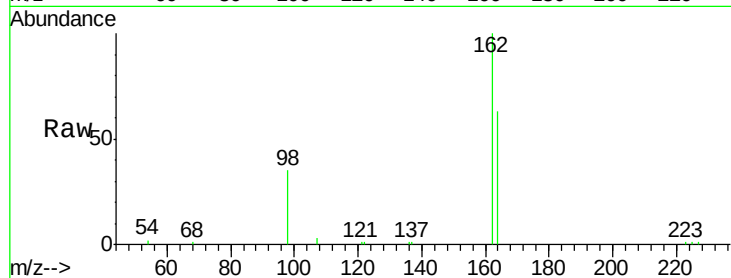
#11
 2,4-Dichlorophenol
 Concen: 0.93 ng
 RT: 11.97 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE089572.D
 Acq: 16 Feb 2015 16:27

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

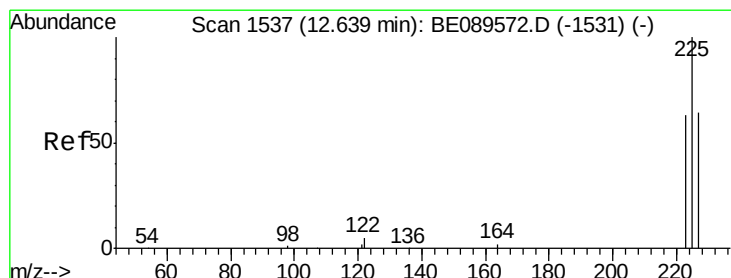
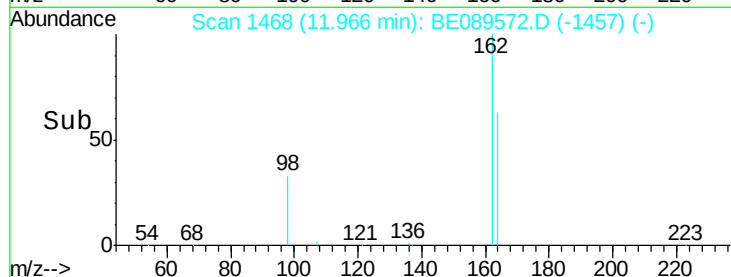
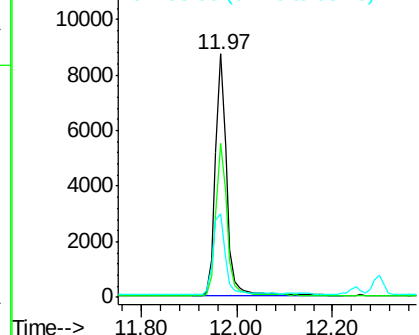
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.4	83.4
98	34.6	14.6	54.6

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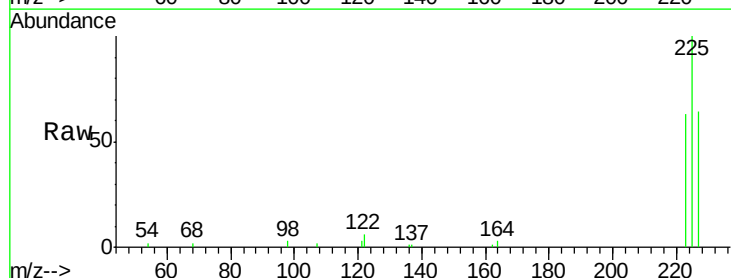


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

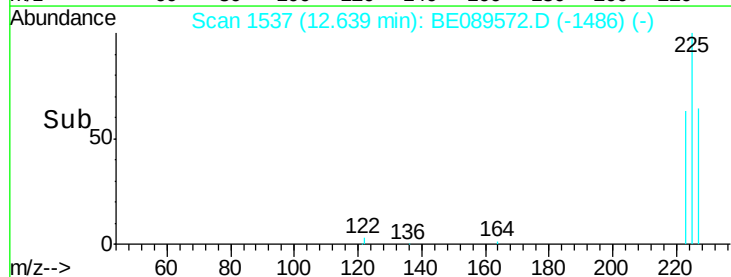
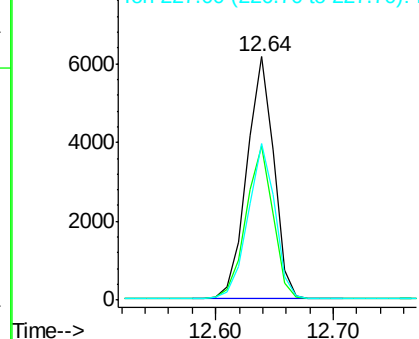


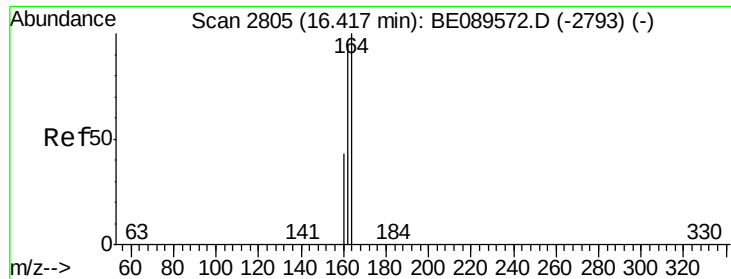
#12
 Hexachlorobutadiene
 Concen: 0.95 ng
 RT: 12.64 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BE089572.D
 Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.8	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





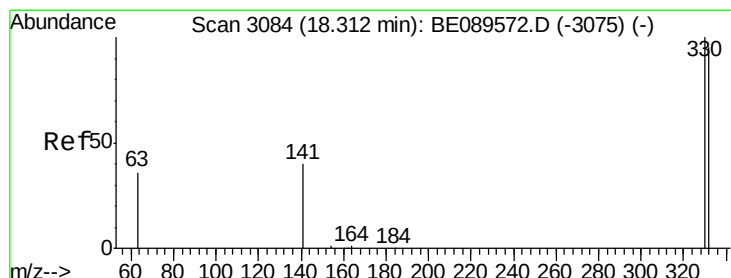
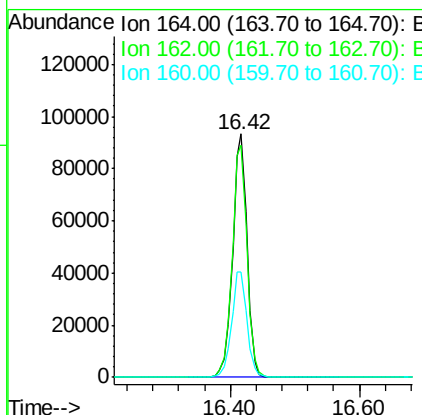
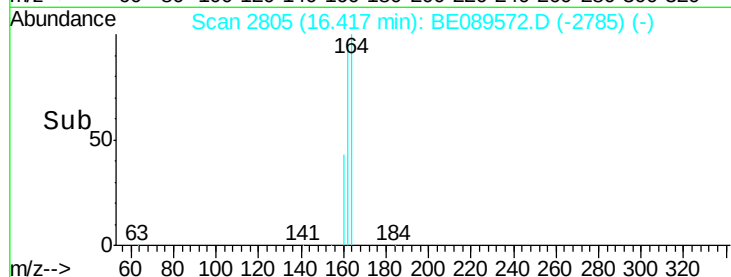
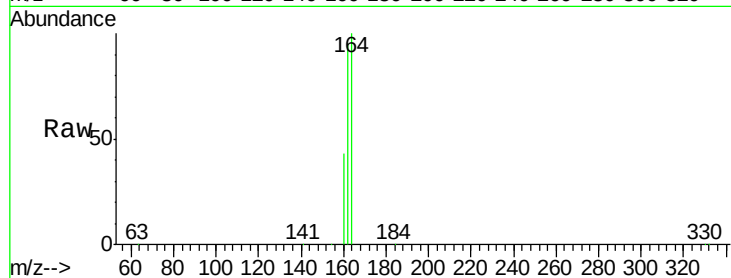
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2805
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.3	76.2	114.4
160	43.4	34.7	52.1

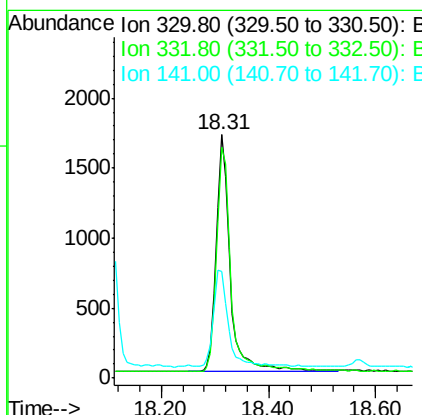
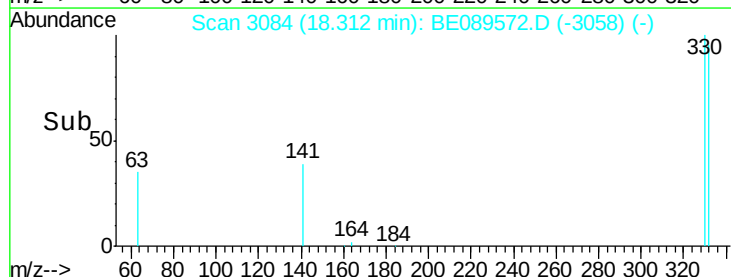
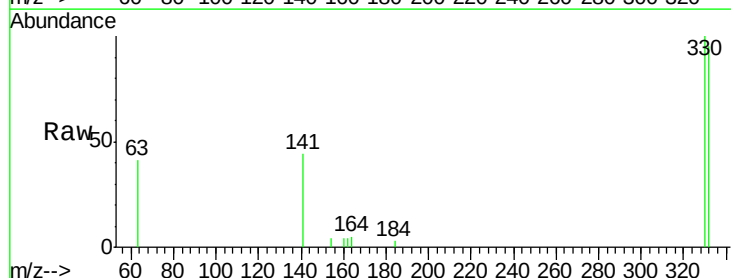
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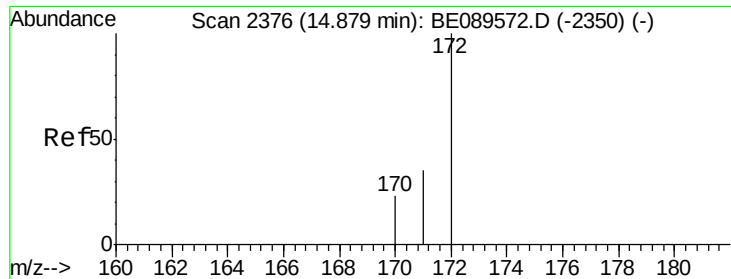
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#14
2,4,6-Tribromophenol
Concen: 1.05 ng
RT: 18.31 min Scan# 3084
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.3	117.5
141	41.7	33.4	50.0





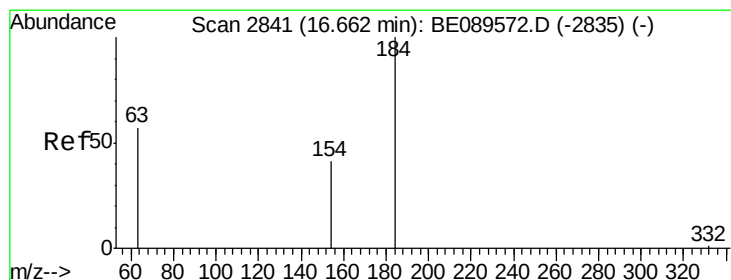
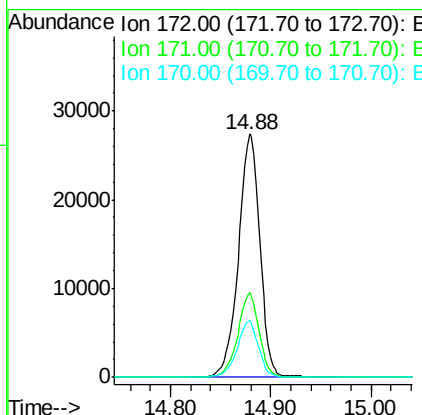
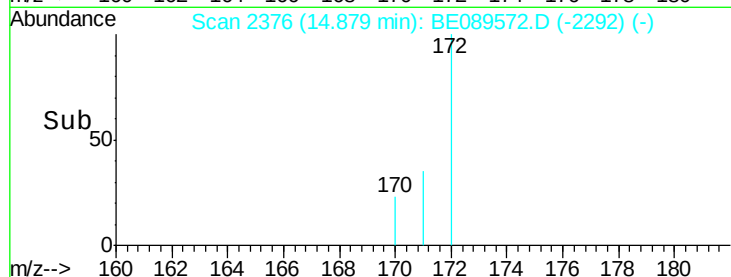
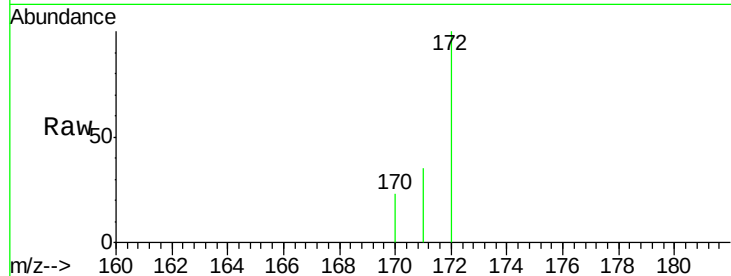
#15
2-Fluorobiphenyl
Concen: 0.90 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.1	18.5	27.7

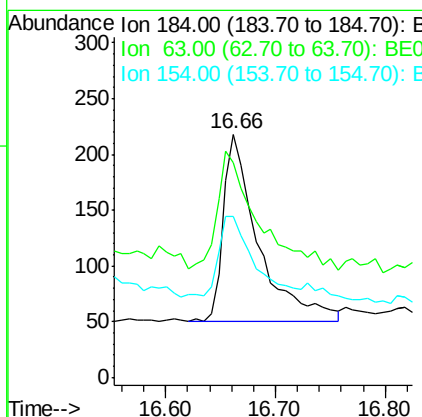
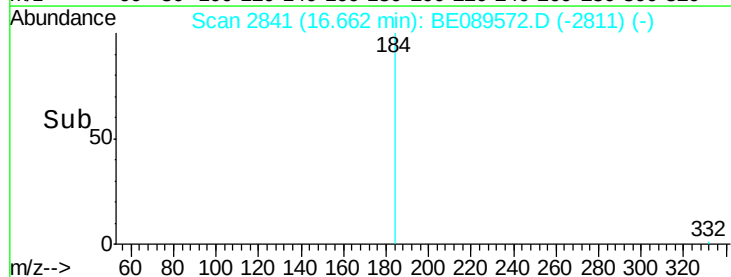
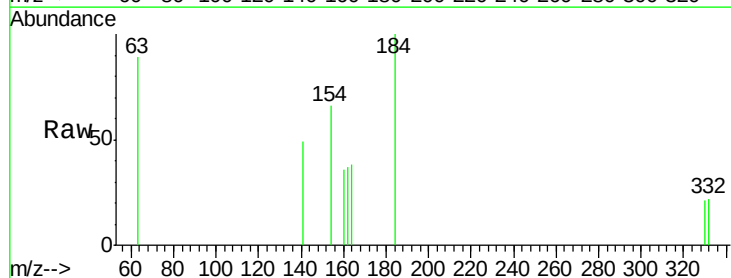
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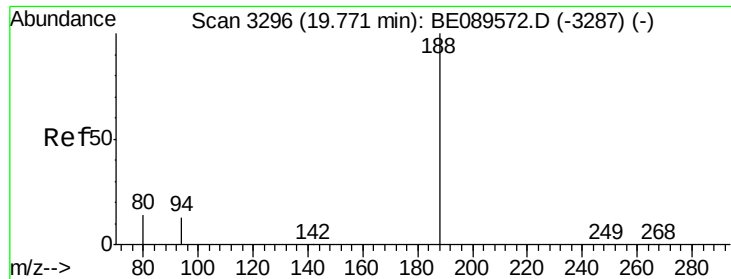
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#16
2,4-Dinitrophenol
Concen: 0.42 ng
RT: 16.66 min Scan# 2841
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	88.5	70.8	106.2
154	66.1	52.9	79.3





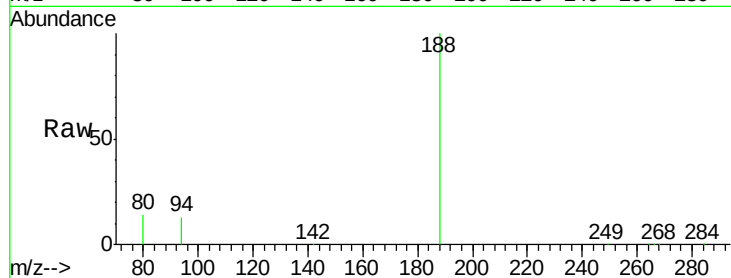
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3296
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

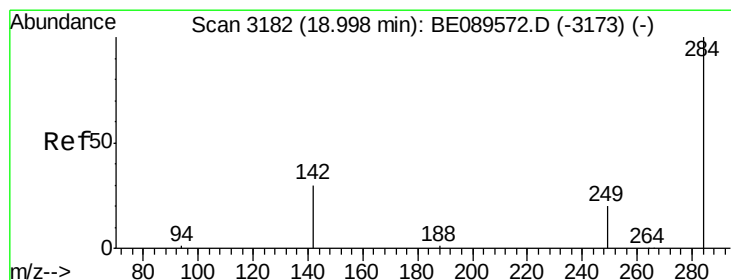
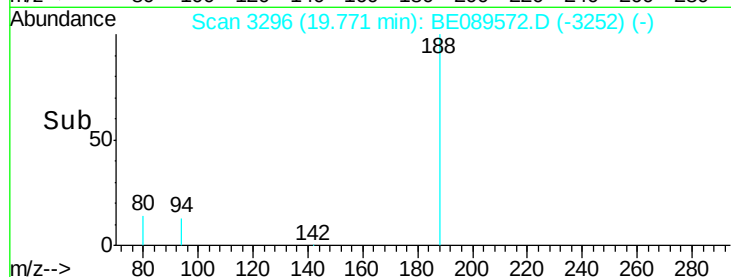
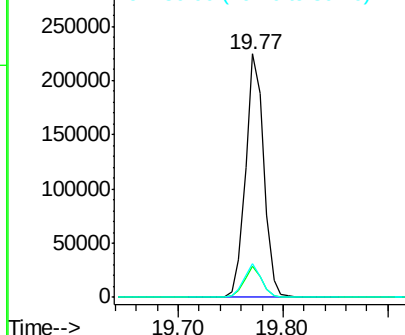
Tot Ion	Ratio	Resp	Lower	Upper
188	100	273646		
94	12.8	10.2	15.4	
80	13.8	11.0	16.6	

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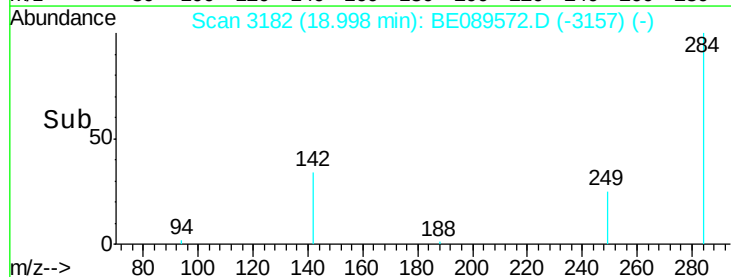
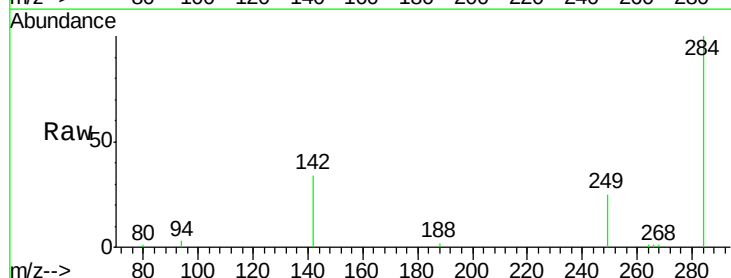
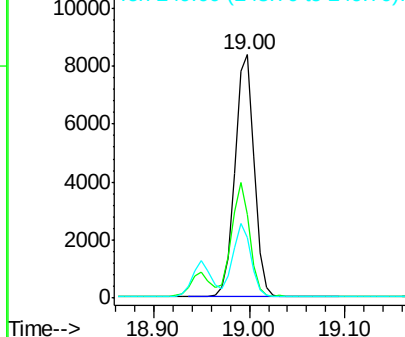
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

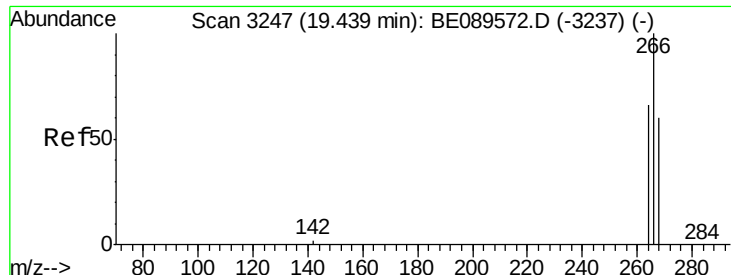


#18
Hexachlorobenzene
Concen: 0.88 ng
RT: 19.00 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	11770		
142	34.5	27.6	41.4	
249	25.0	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





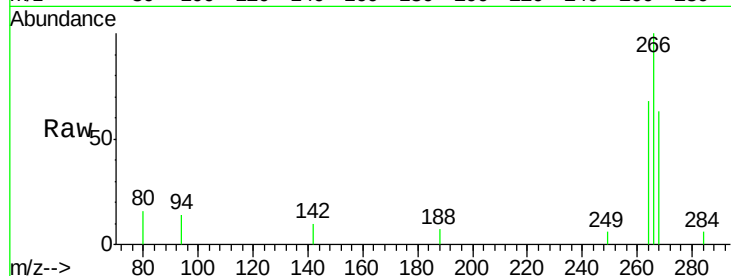
#19
 Pentachlorophenol
 Concen: 0.74 ng
 RT: 19.44 min Scan# 3247
 Delta R.T. 0.00 min
 Lab File: BE089572.D
 Acq: 16 Feb 2015 16:27

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

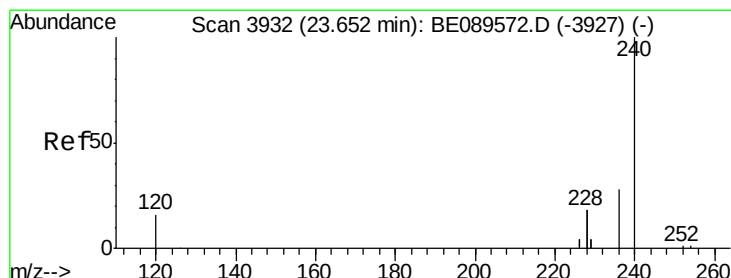
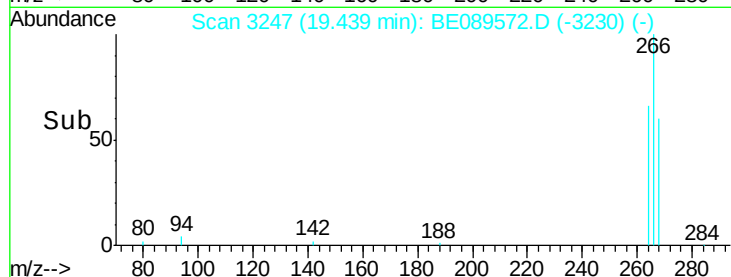
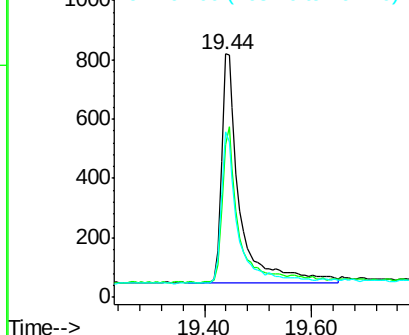
Tot Ion	Ratio	Resp	Lower	Upper
266	100	1818		
268	62.8		50.2	75.4
264	68.0		54.4	81.6

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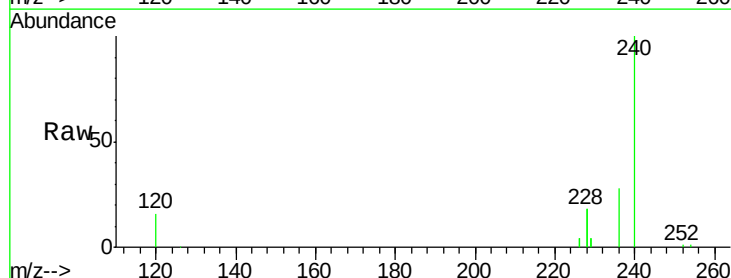


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

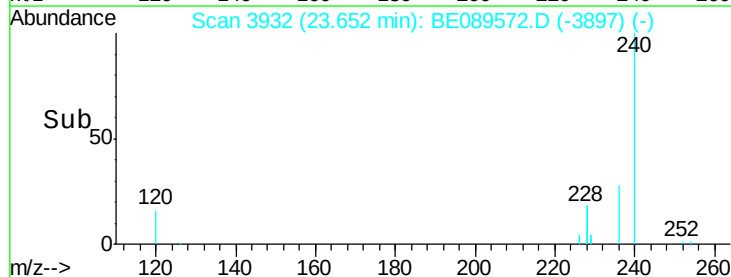
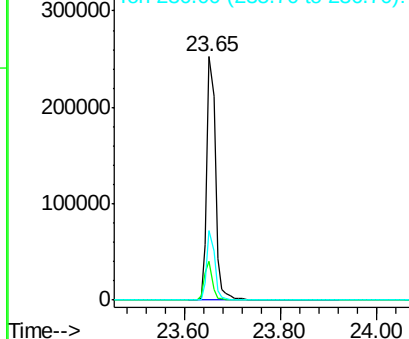


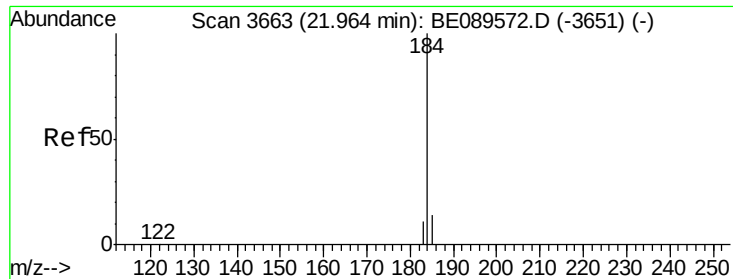
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: BE089572.D
 Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	310751		
120	15.9		12.7	19.1
236	28.4		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





#21

Benzidine

Concen: 0.97 ng

RT: 21.96 min Scan# 3663

Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Instrument :

BNA_E

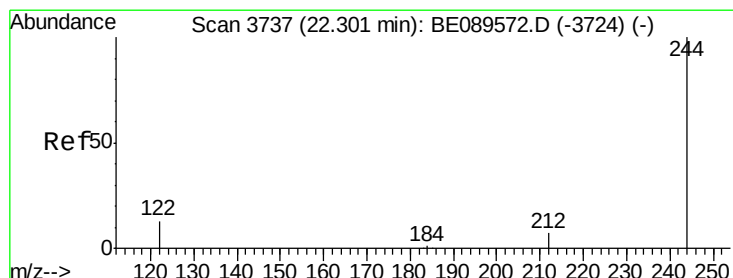
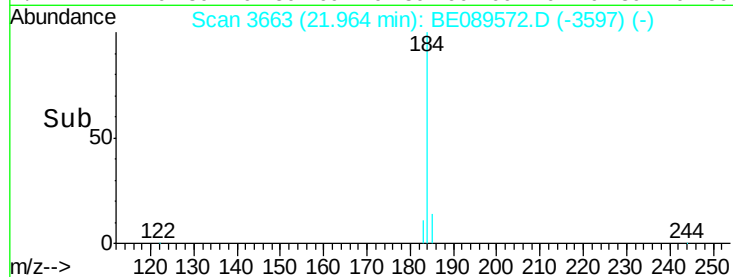
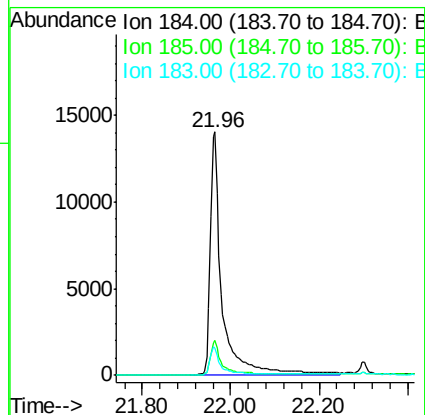
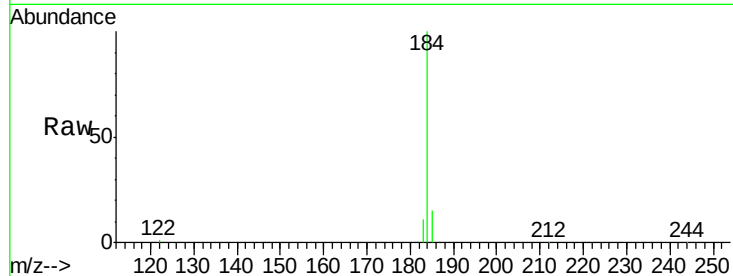
LabSampleId :

SSTDICCC001

Tot Ion:	184	Resp:	25255
Ion Ratio	Lower	Upper	
184	100		
185	14.6	11.7	17.5
183	11.1	8.9	13.3

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#22

Terphenyl-d14

Concen: 1.36 ng

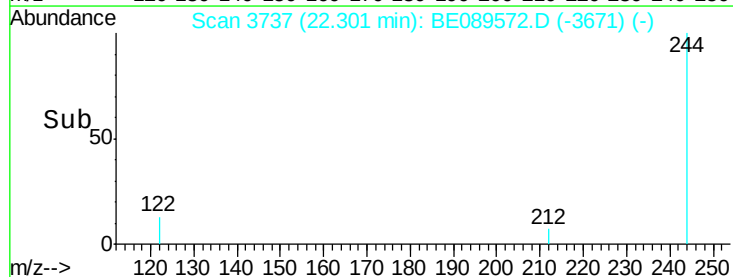
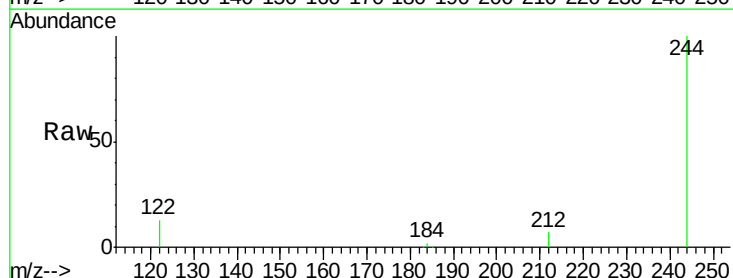
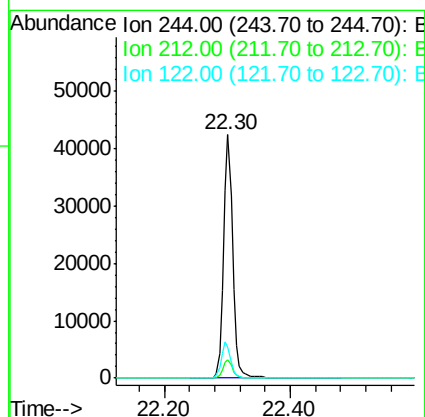
RT: 22.30 min Scan# 3737

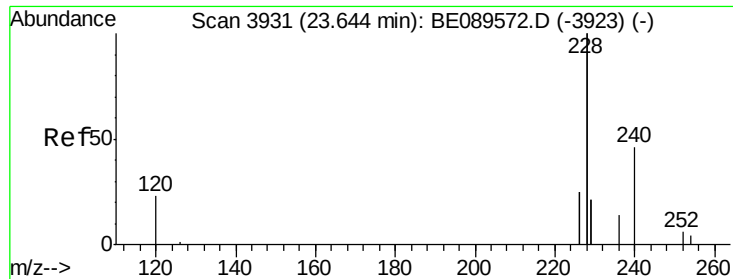
Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Tgt Ion:	244	Resp:	42294
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.9	8.9
122	12.7	10.2	15.2





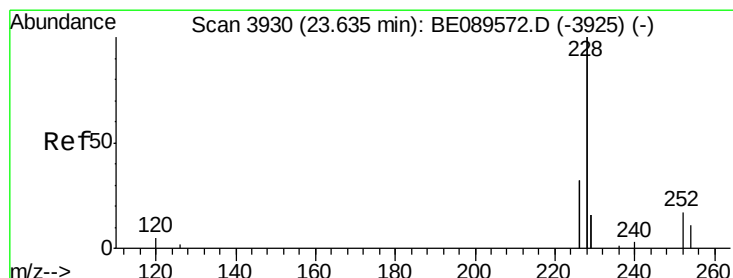
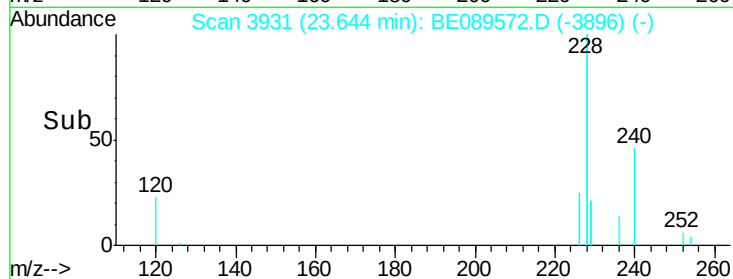
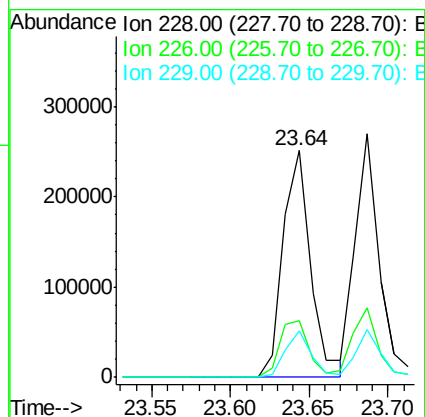
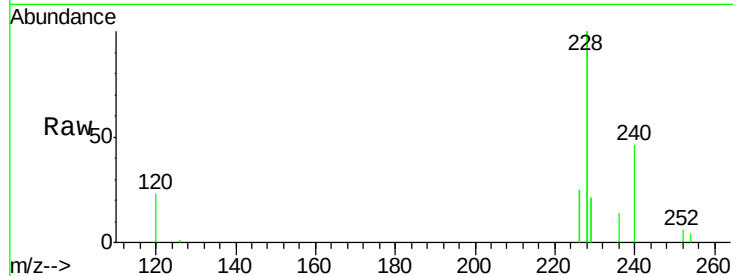
#23
Benzo(a)anthracene
Concen: 1.30 ng
RT: 23.64 min Scan# 3931
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
228	100		
226	24.9	19.9	29.9
229	20.7	16.6	24.8

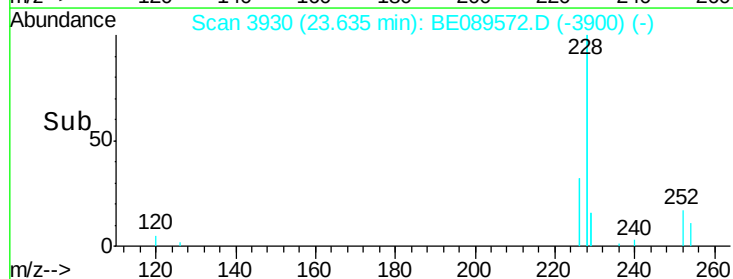
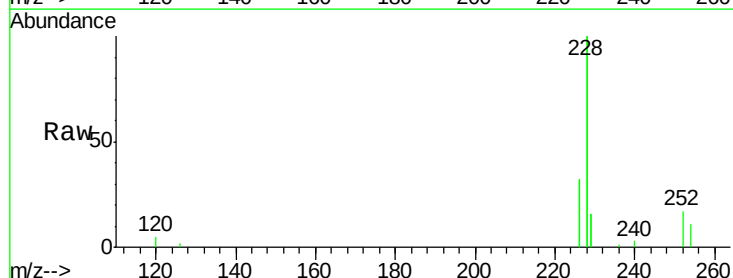
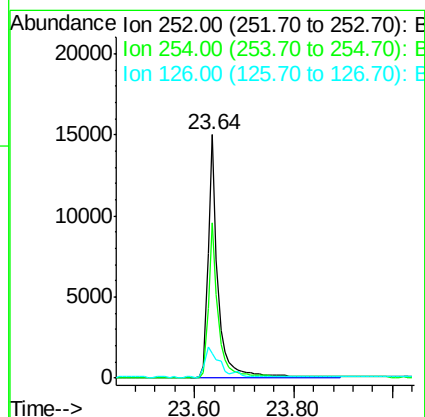
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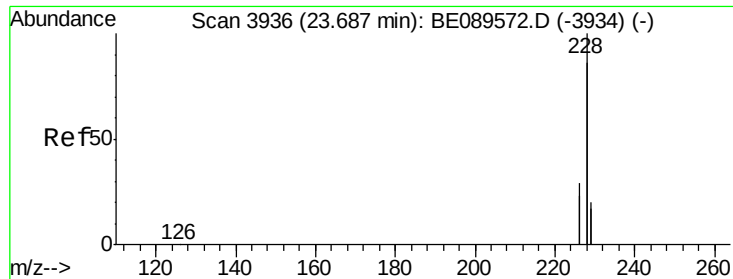
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#24
3,3'-Dichlorobenzidine
Concen: 0.97 ng
RT: 23.64 min Scan# 3930
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.0	76.4
126	10.4	8.3	12.5





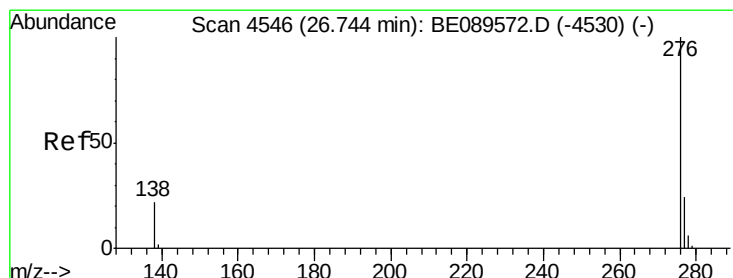
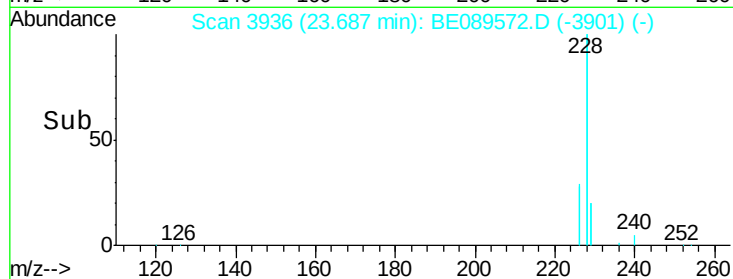
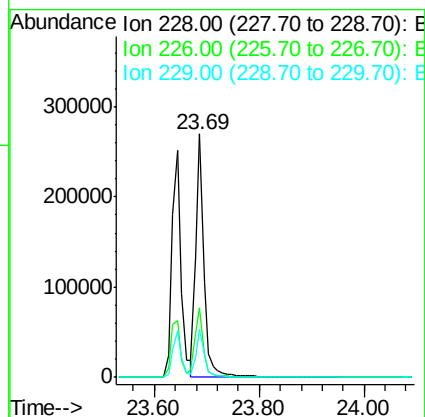
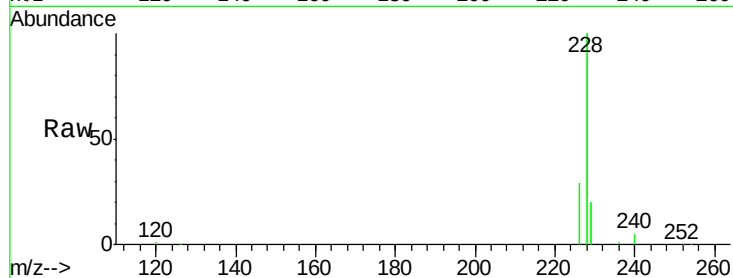
#25
Chrysene
Concen: 0.83 ng
RT: 23.69 min Scan# 3936
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tot Ion:	228	Resp:	297861
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.9	34.3
229	19.7	15.8	23.6

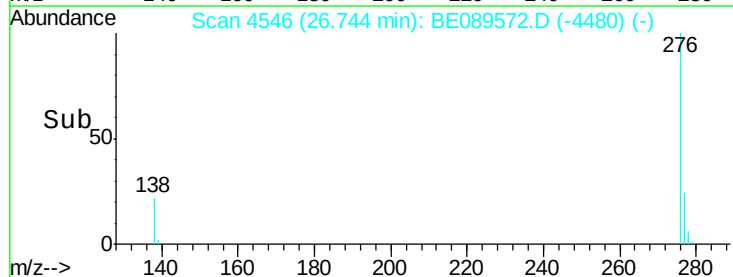
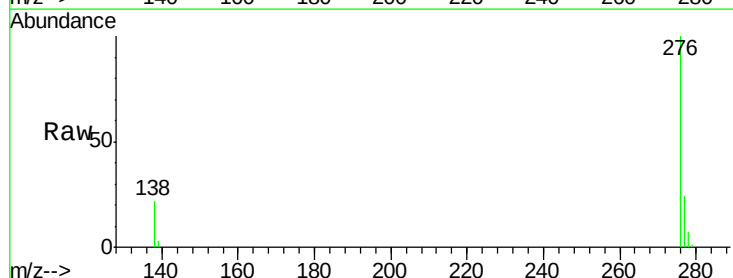
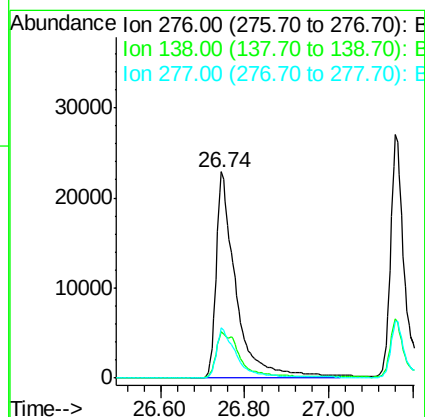
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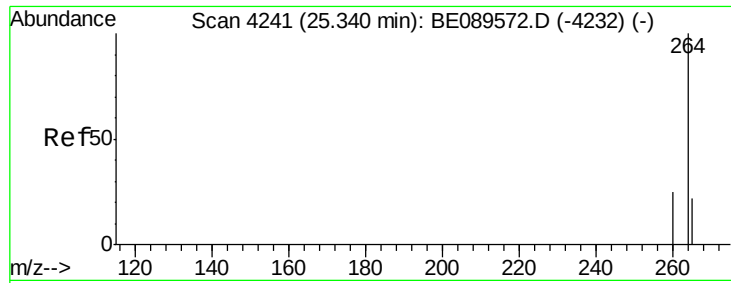
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#26
Indeno(1,2,3-cd)pyrene
Concen: 0.45 ng
RT: 26.74 min Scan# 4546
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion:	276	Resp:	74074
Ion Ratio	Lower	Upper	
276	100		
138	27.6	22.1	33.1
277	24.3	19.4	29.2





#27

Pervlene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4241

Delta R.T. 0.00 min

Lab File: BE089572.D

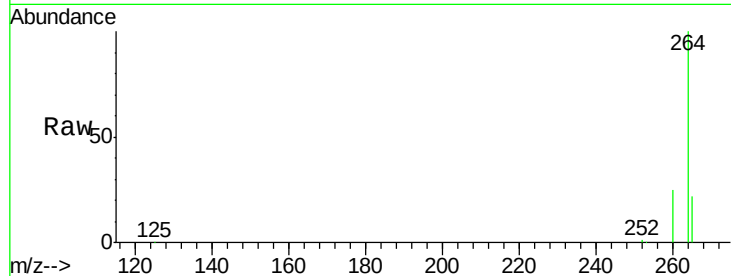
Acq: 16 Feb 2015 16:27

Instrument :

BNA_E

LabSampleId :

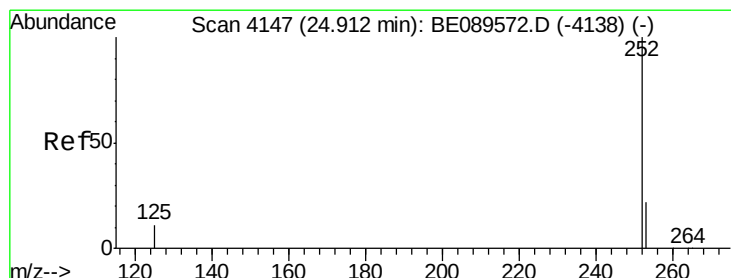
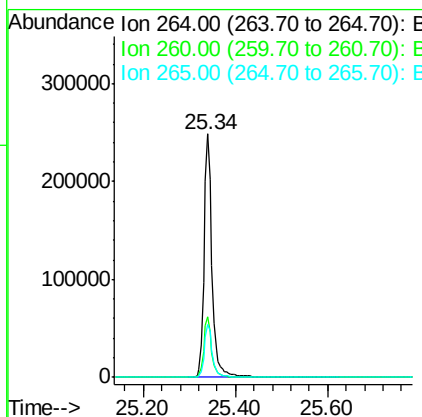
SSTDICCC001



Tot Ion:	264	Resp:	294199
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.8	29.6
265	21.9	17.5	26.3

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#28

Benzo(b)fluoranthene

Concen: 1.88 ng

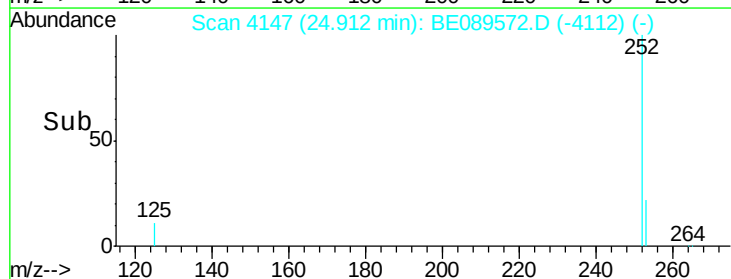
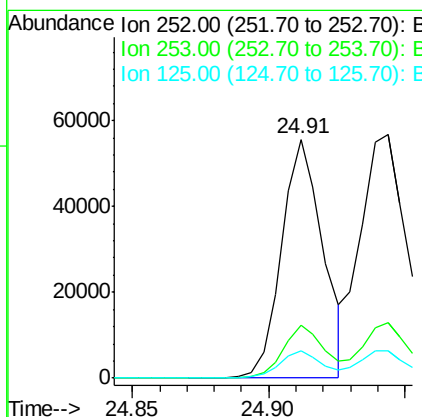
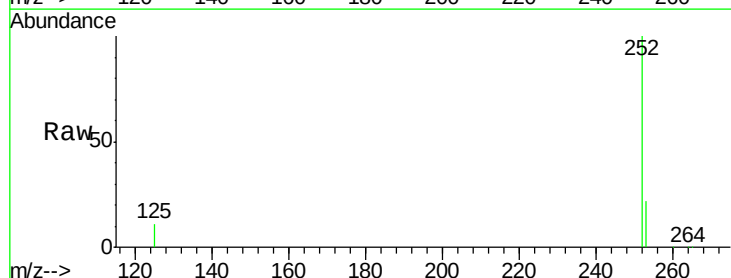
RT: 24.91 min Scan# 4147

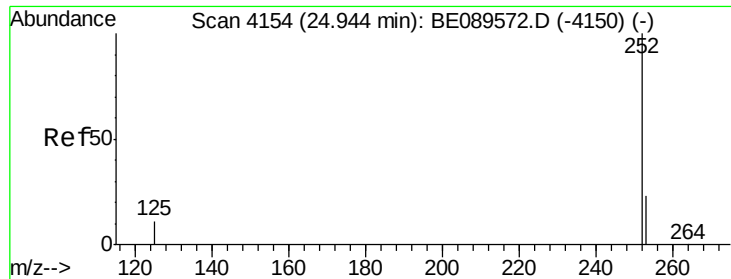
Delta R.T. 0.00 min

Lab File: BE089572.D

Acq: 16 Feb 2015 16:27

Tgt Ion:	252	Resp:	58499
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	11.2	9.0	13.4





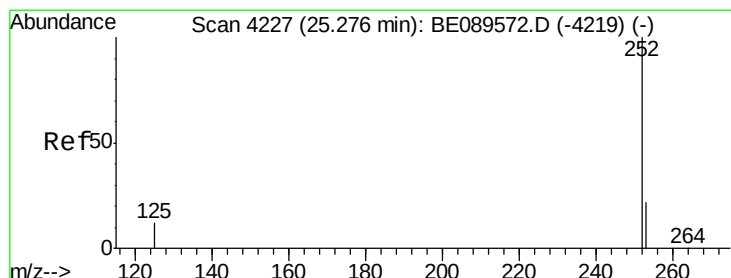
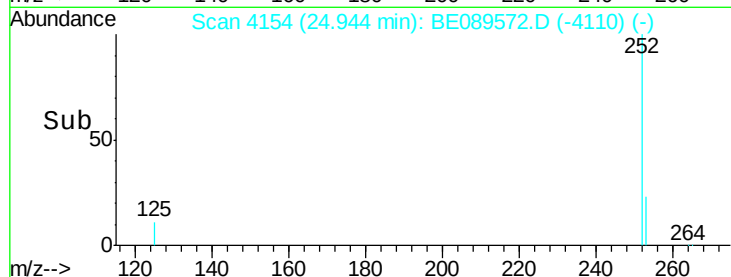
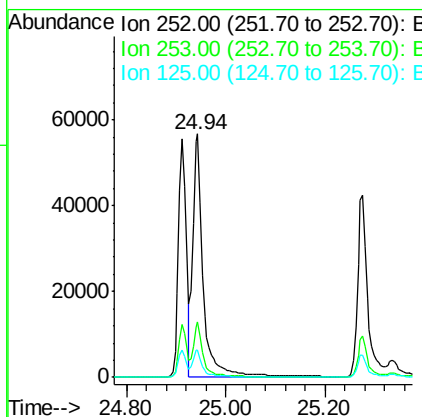
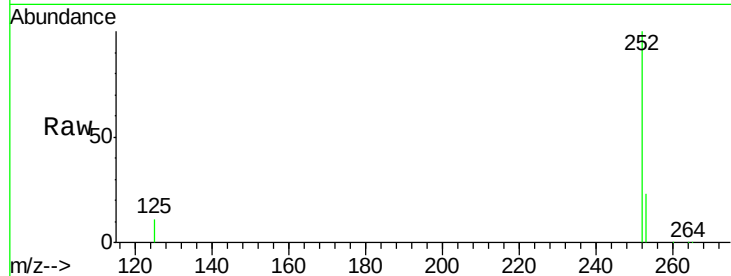
#29
Benzo(k)fluoranthene
Concen: 1.31 ng
RT: 24.94 min Scan# 4154
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.1	8.9	13.3

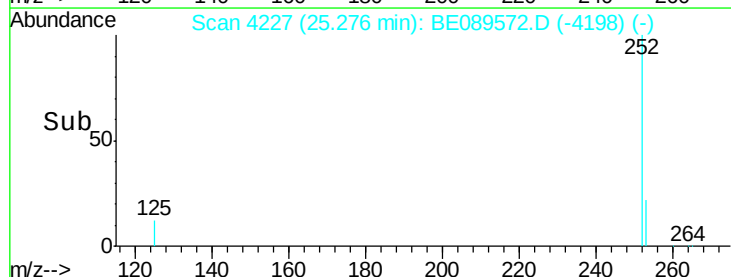
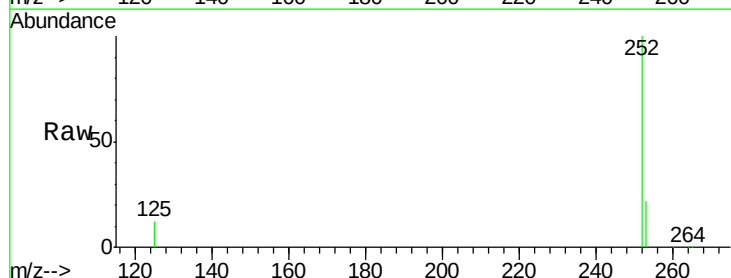
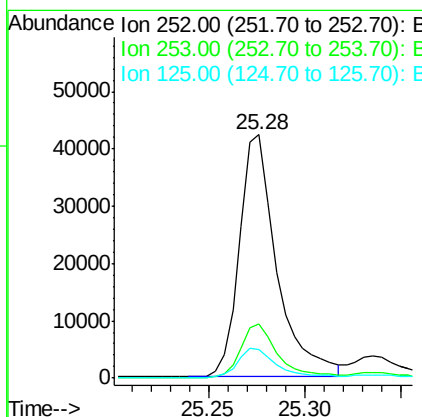
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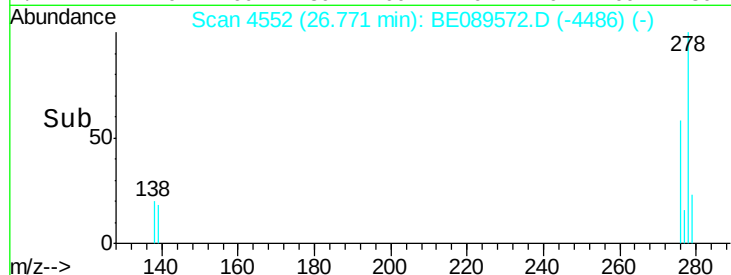
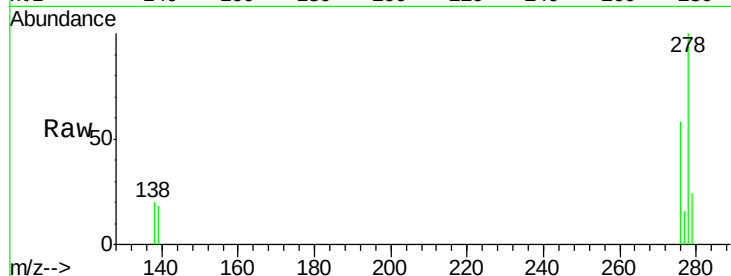
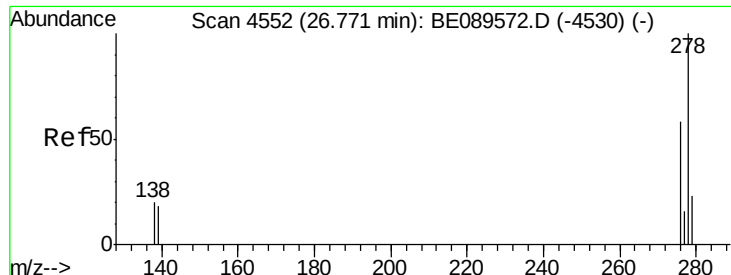
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#30
Benzo(a)pyrene
Concen: 1.55 ng
RT: 25.28 min Scan# 4227
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.9	9.5	14.3





#31
Dibenzo(a,h)anthracene
Concen: 1.73 ng
RT: 26.77 min Scan# 4552
Delta R.T. 0.00 min
Lab File: BE089572.D
Acq: 16 Feb 2015 16:27

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tot Ion:	278	Resp:	58609
Ion Ratio	Lower	Upper	
278	100		
139	18.4	14.7	22.1
279	23.7	19.0	28.4

Manual Integrations
APPROVED

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