

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089571.D
 Acq On : 16 Feb 2015 15:48
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Manual Integrations
 APPROVED

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 2/17/2015 3:36:05 PM

Quant Time: Feb 16 17:24:37 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 17:05:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	81848	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	331055	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	161408	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	312763	5.00	ng	0.00
20) Chrysene-d12	23.65	240	341593	5.00	ng	0.00
27) Perylene-d12	25.34	264	310647	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	47277	1.74	ng	0.00
4) Phenol-d6	8.62	99	62910	1.87	ng	0.00
8) Nitrobenzene-d5	10.61	82	27202	1.10	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	7214	2.25	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	86654	1.72	ng	0.00
22) Terphenyl-d14	22.30	244	94903	2.91	ng	0.00

Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.33	42	25187m	1.83	ng	
5) Phenol	8.65	94	68106	2.01	ng	# 36
6) bis(2-Chloroethyl)ether	8.83	93	51246	2.01	ng	# 100
9) Nitrobenzene	10.65	77	33422	1.20	ng	# 100
10) 2,4-Dimethylphenol	11.59	122	39354	1.69	ng	98
11) 2,4-Dichlorophenol	11.97	162	30512	1.84	ng	95
12) Hexachlorobutadiene	12.64	225	19700	1.82	ng	# 100
16) 2,4-Dinitrophenol	16.65	184	1040	0.94	ng	87
18) Hexachlorobenzene	19.00	284	26021	1.68	ng	# 85
19) Pentachlorophenol	19.44	266	4697	1.62	ng	98
21) Benzidine	21.96	184	66282	2.35	ng	99
23) Benzo(a)anthracene	23.64	228	682778	2.83	ng	96
24) 3,3'-Dichlorobenzidine	23.64	252	50872	2.20	ng	97
25) Chrysene	23.69	228	639791	1.60	ng	91
26) Indeno(1,2,3-cd)pyrene	26.74	276	167606	0.89	ng	# 100
28) Benzo(b)fluoranthene	24.91	252	143619	5.27	ng	96
29) Benzo(k)fluoranthene	24.94	252	171362	2.65	ng	96
30) Benzo(a)pyrene	25.27	252	132832	3.79	ng	98
31) Dibenzo(a,h)anthracene	26.78	278	134066	4.40	ng	97

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

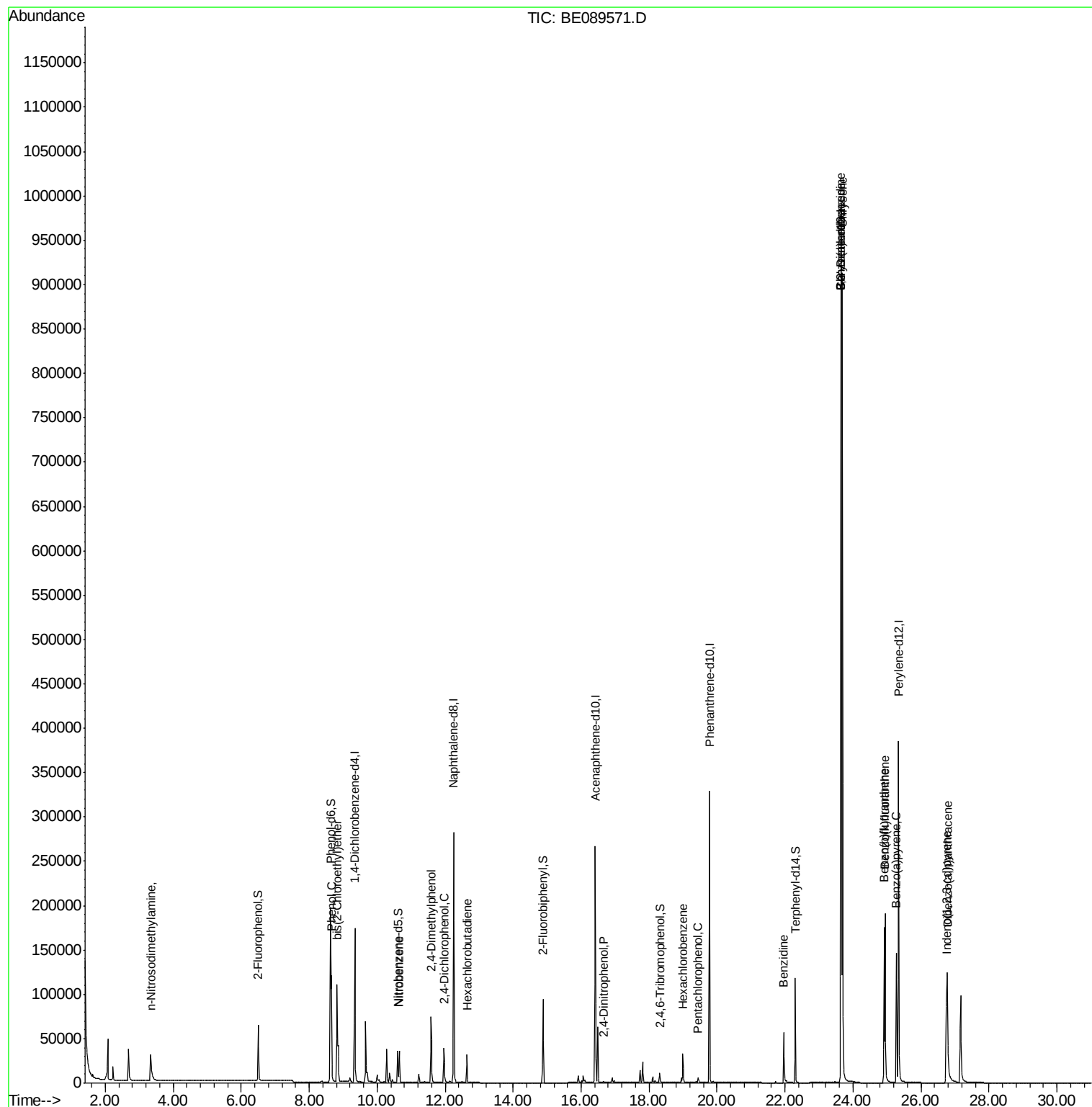
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
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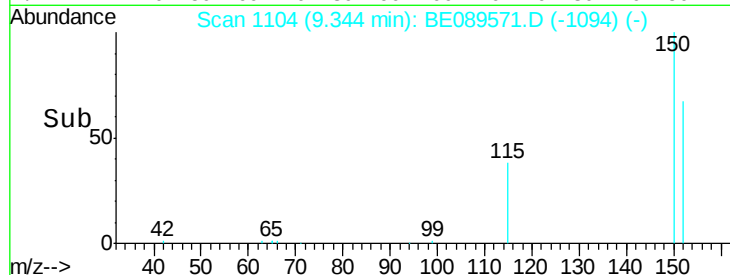
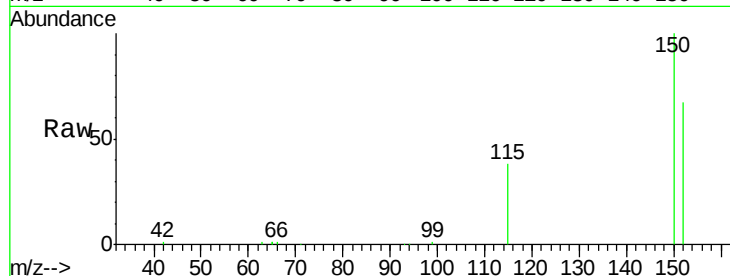
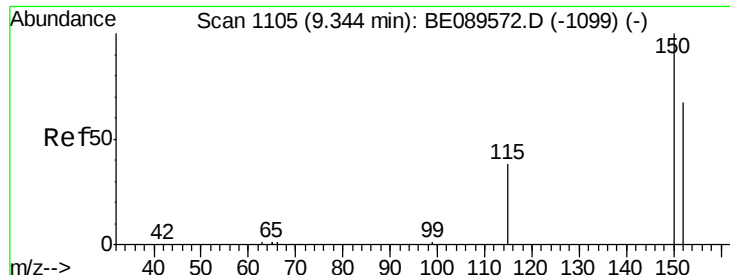
Instrument :
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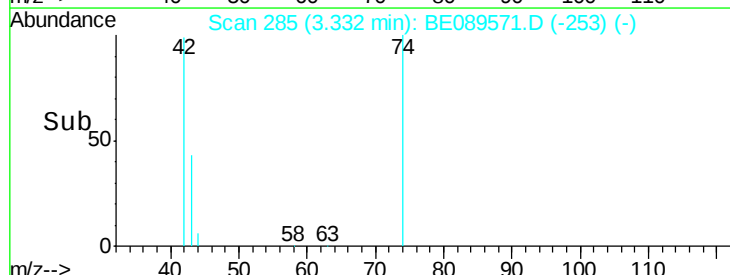
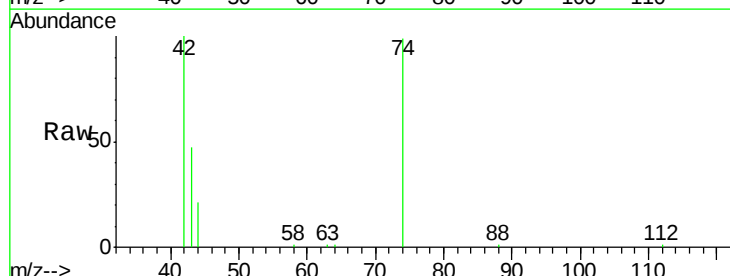
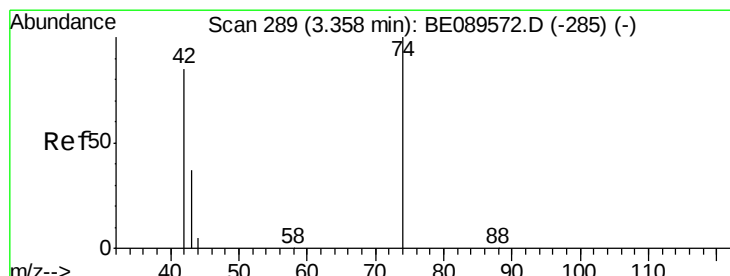
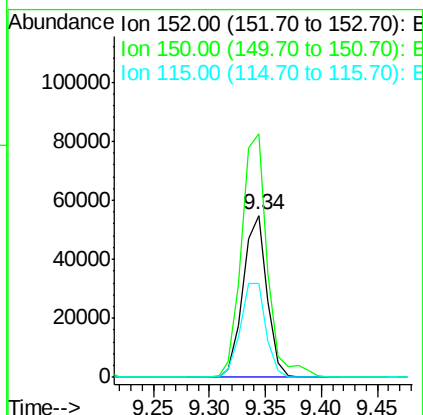
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	121.4	182.2
115	57.7	47.2	70.8

Instrument :
BNA_E
LabSampleId :
SSTDIC002

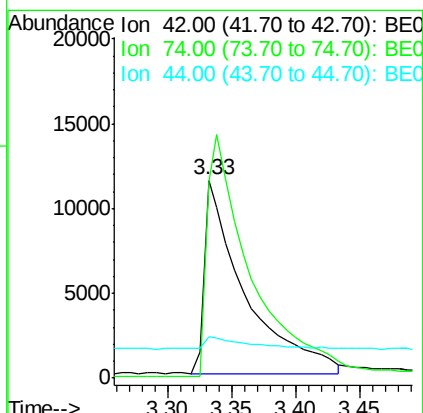
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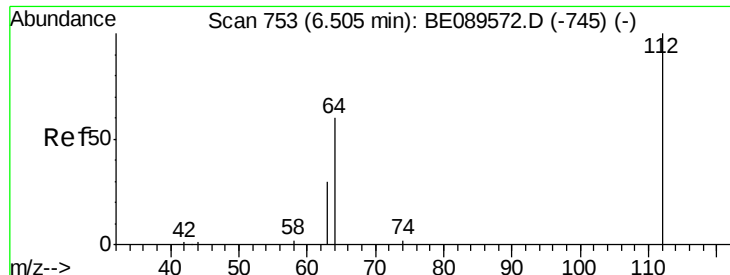
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#2
n-Nitrosodimethylamine
Concen: 1.83 ng m
RT: 3.33 min Scan# 285
Delta R.T. 0.01 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tgt Ion	Ratio	Lower	Upper
42	100		
74	99.2	96.9	145.3
44	20.8	6.7	10.1#





#3

2-Fluorophenol

Concen: 1.74 ng

RT: 6.51 min Scan# 753

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

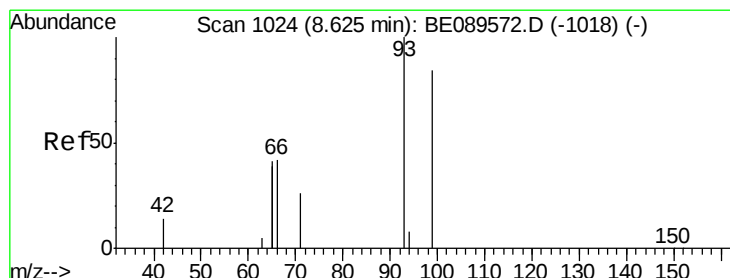
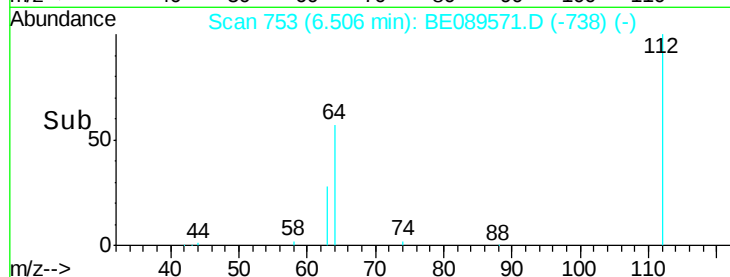
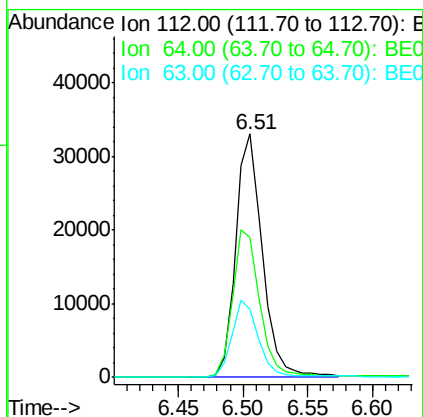
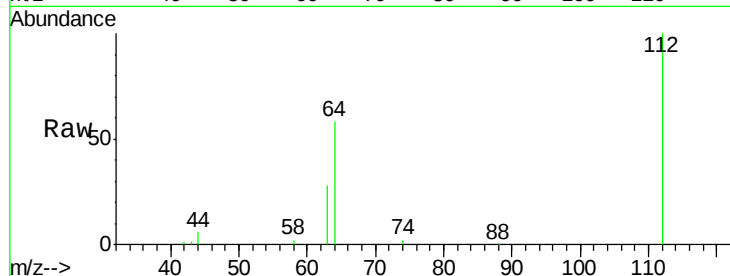
LabSampleId :

SSTDIC002

Tot Ion:	112	Resp:	47277
Ion Ratio	Lower	Upper	
112	100		
64	57.6	53.6	80.4
63	28.0	27.3	40.9

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#4

Phenol-d6

Concen: 1.87 ng

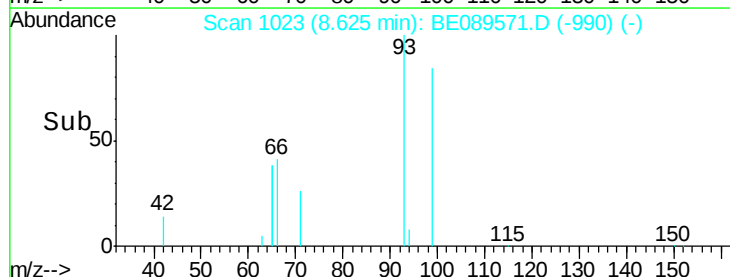
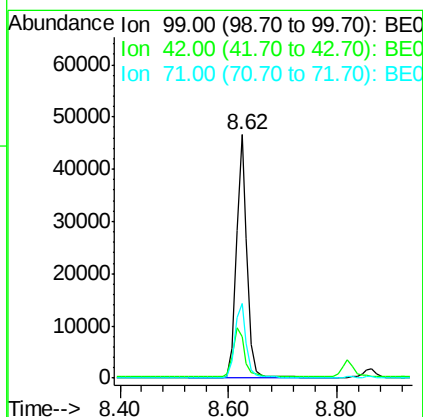
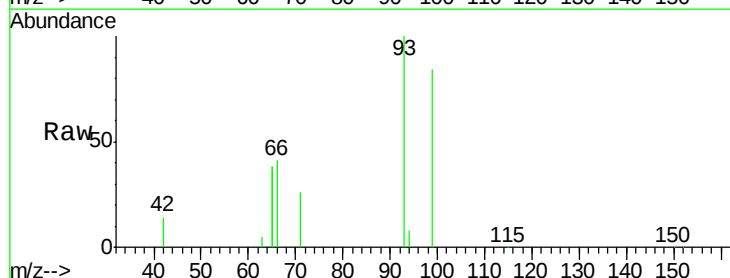
RT: 8.62 min Scan# 1023

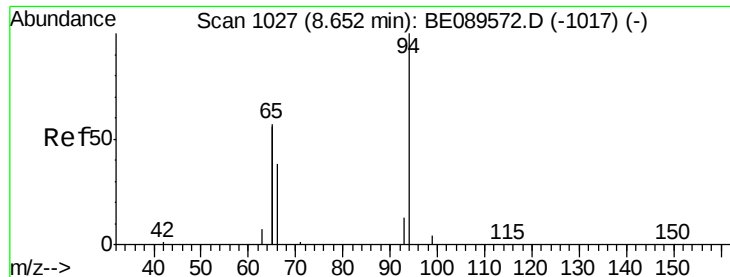
Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	99	Resp:	62910
Ion Ratio	Lower	Upper	
99	100		
42	16.8	18.5	27.7#
71	30.8	28.2	42.2





#5

Phenol

Concen: 2.01 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

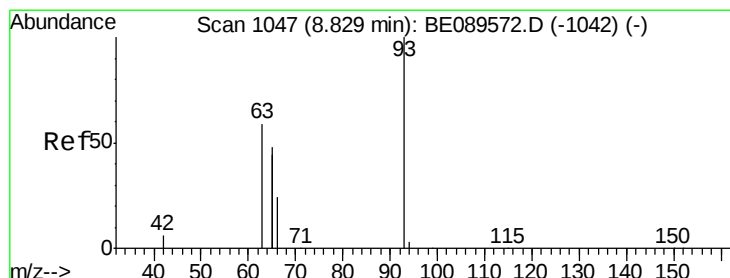
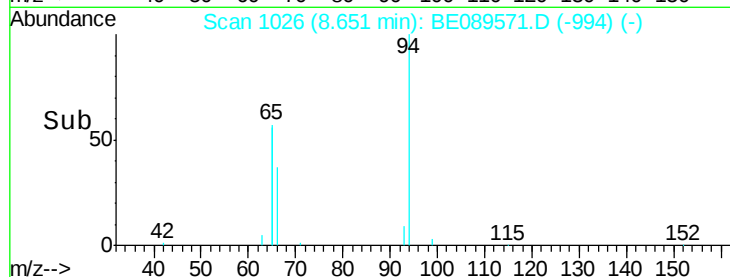
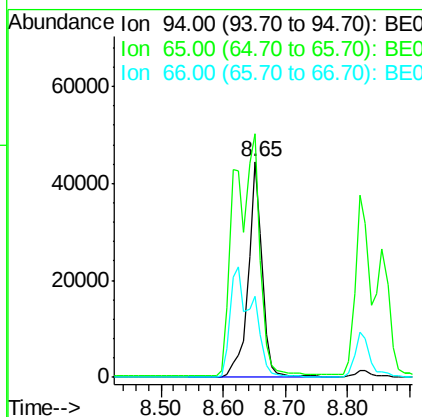
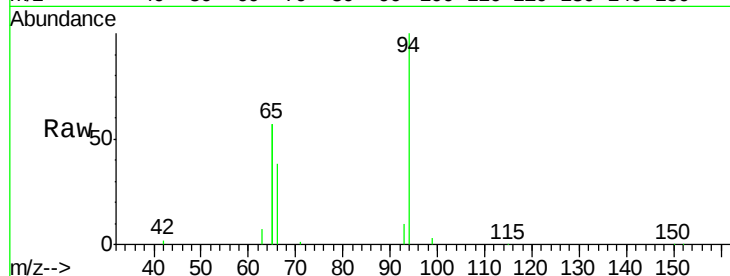
LabSampleId :

SSTDICC002

Tot Ion:	94	Resp:	68106
Ion	Ratio	Lower	Upper
94	100		
65	113.0	25.8	65.8#
66	37.6	11.9	51.9

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#6

bis(2-Chloroethyl)ether

Concen: 2.01 ng

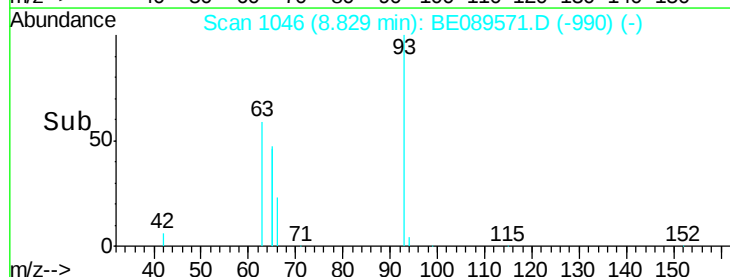
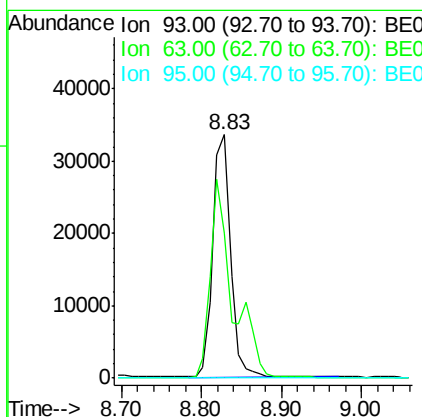
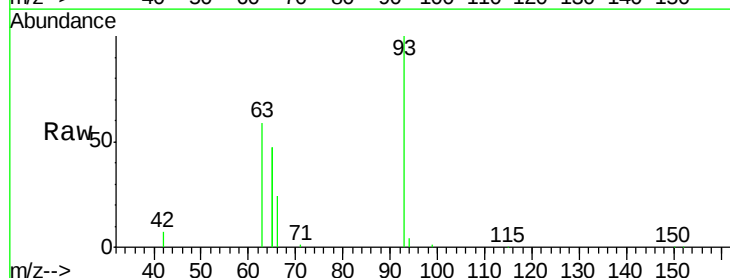
RT: 8.83 min Scan# 1046

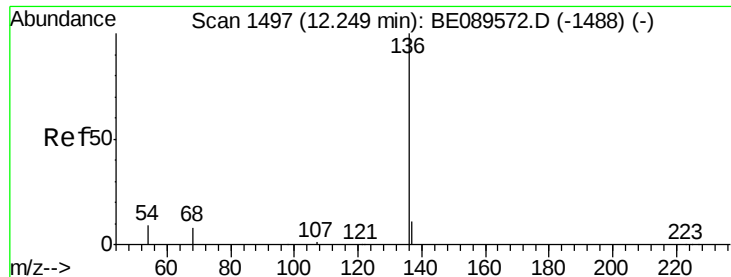
Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	93	Resp:	51246
Ion	Ratio	Lower	Upper
93	100		
63	103.3	0.0	0.0#
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: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

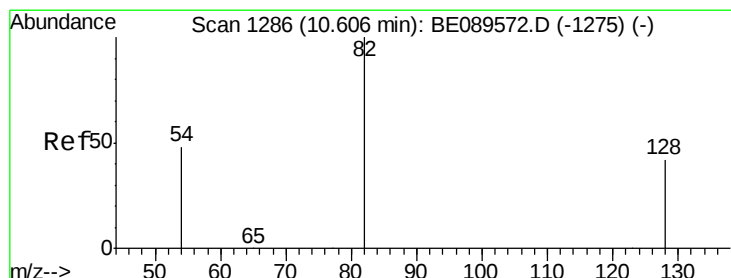
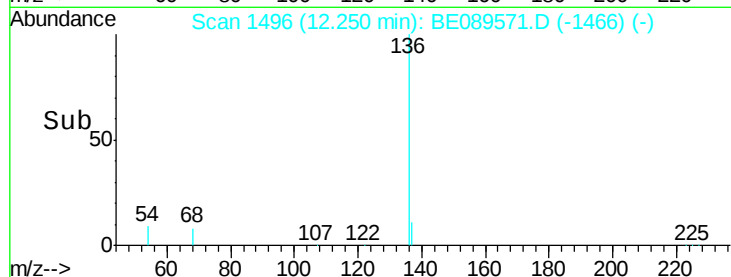
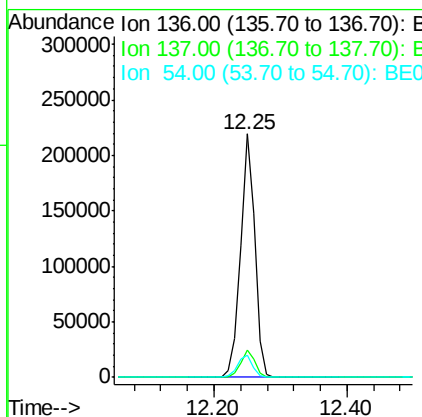
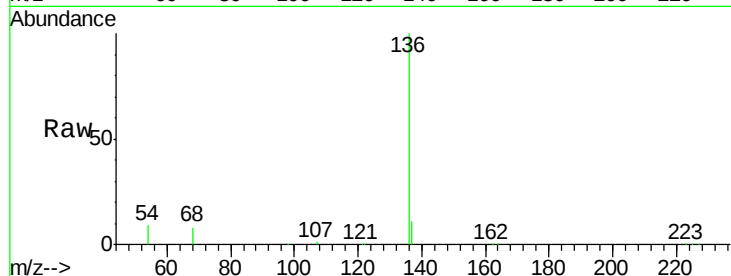
LabSampleId :

SSTDICC002

Tot Ion:	136	Resp:	331055
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.0	8.6	13.0

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#8

Nitrobenzene-d5

Concen: 1.10 ng

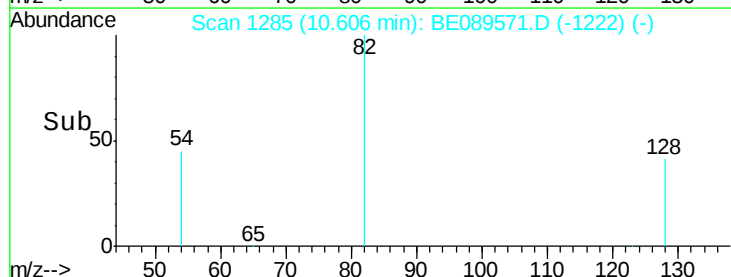
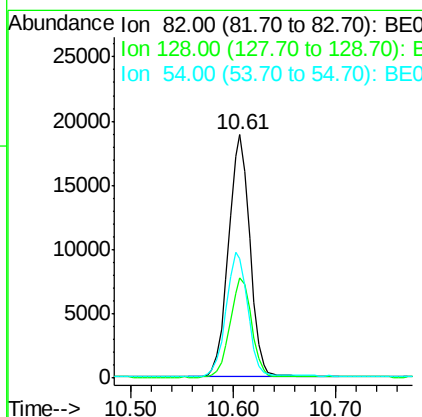
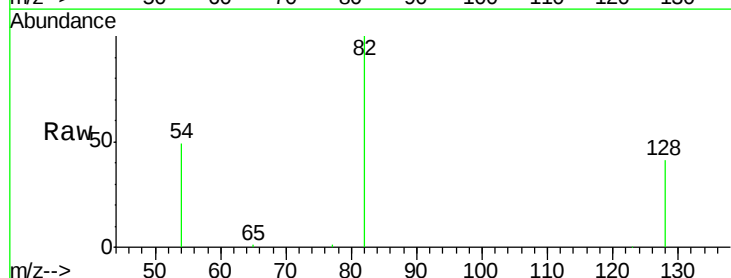
RT: 10.61 min Scan# 1285

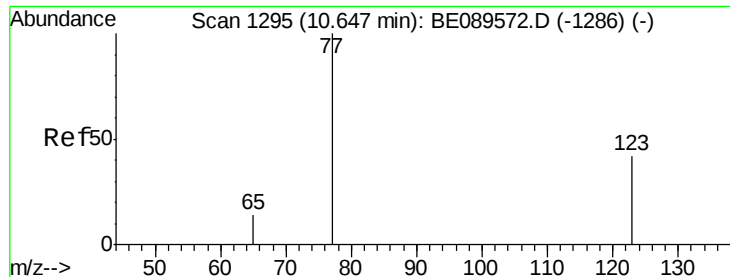
Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	82	Resp:	27202
Ion Ratio	Lower	Upper	
82	100		
128	41.0	33.4	50.0
54	49.0	39.4	59.2





#9

Nitrobenzene

Concen: 1.20 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

Tot Ion: 77 Resp: 33422

Ion Ratio Lower Upper

77 100

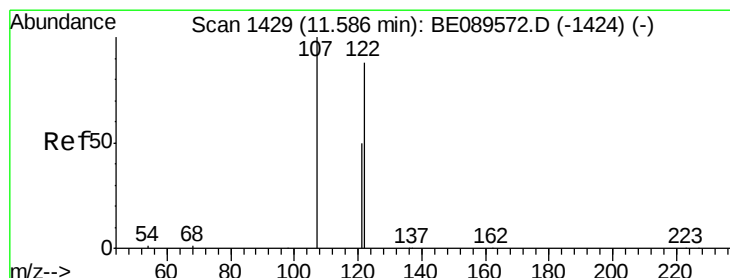
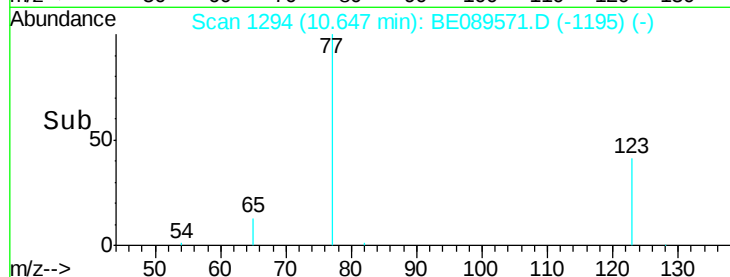
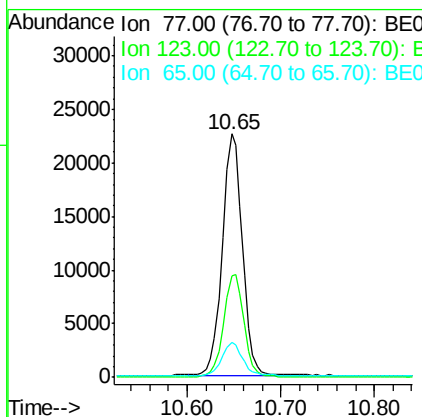
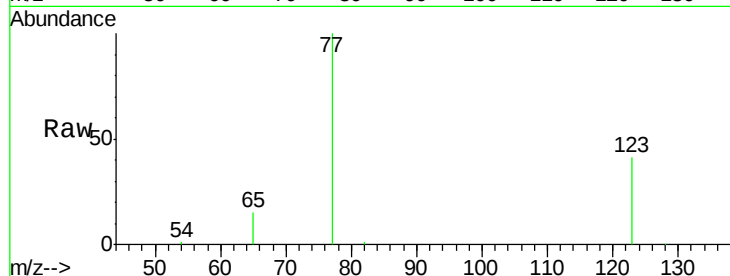
123 42.5 0.0 0.0#

65 14.7 0.0 0.0#

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#10

2,4-Dimethylphenol

Concen: 1.69 ng

RT: 11.59 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

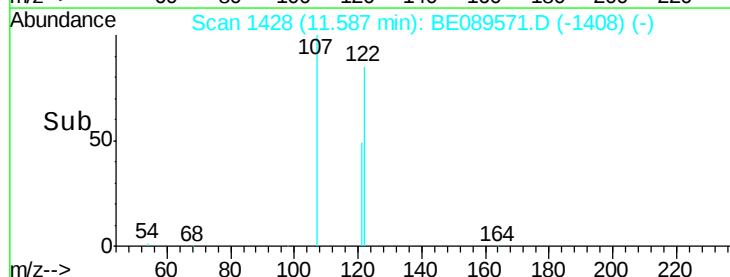
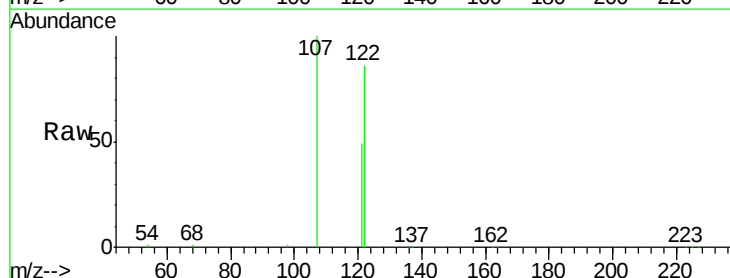
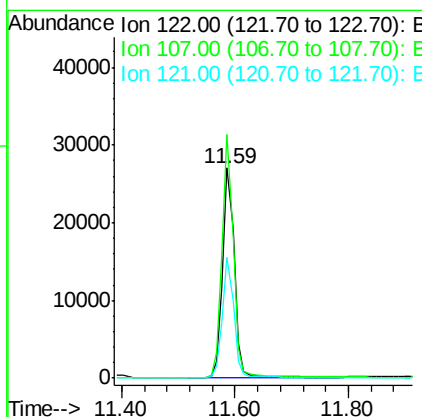
Tgt Ion: 122 Resp: 39354

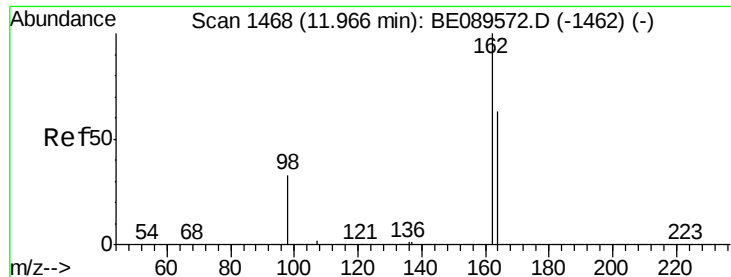
Ion Ratio Lower Upper

122 100

107 116.0 95.1 142.7

121 57.3 46.4 69.6





#11

2,4-Dichlorophenol

Concen: 1.84 ng

RT: 11.97 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

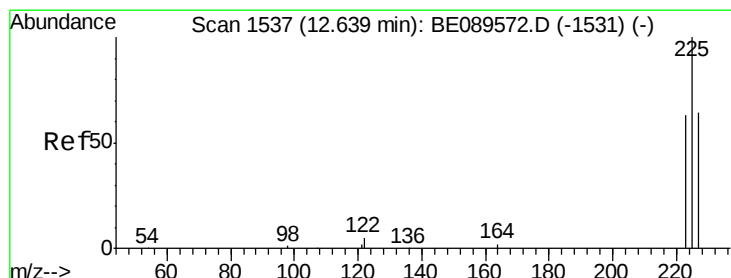
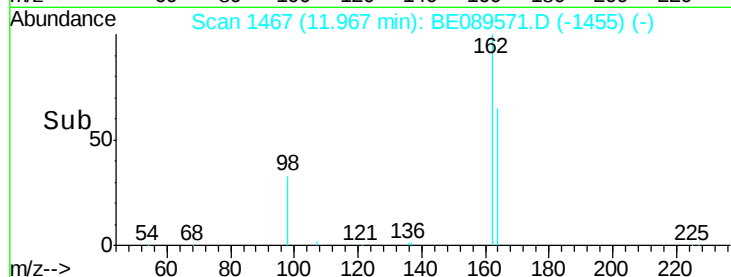
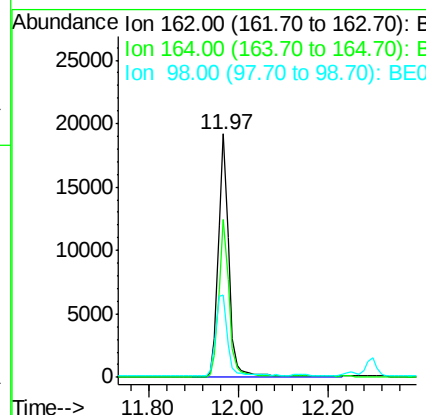
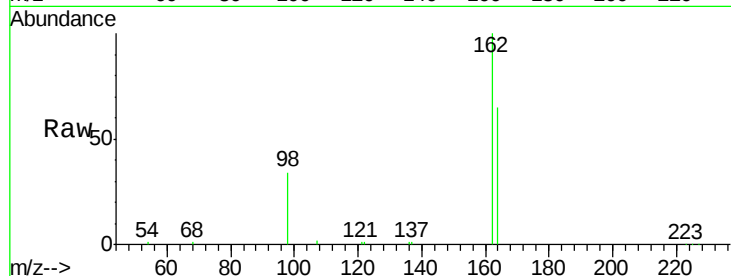
LabSampleId :

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Tot Ion:	162	Resp:	30512
Ion Ratio	Lower	Upper	
162	100		
164	64.6	42.7	82.7
98	34.0	19.4	59.4

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#12

Hexachlorobutadiene

Concen: 1.82 ng

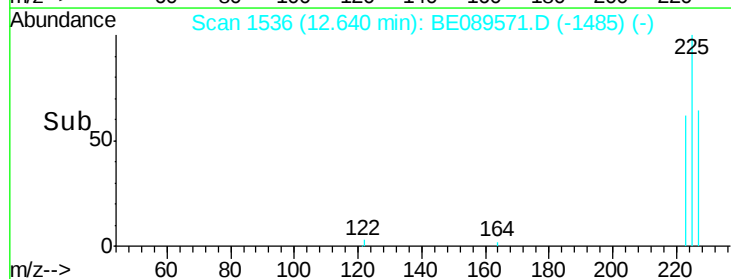
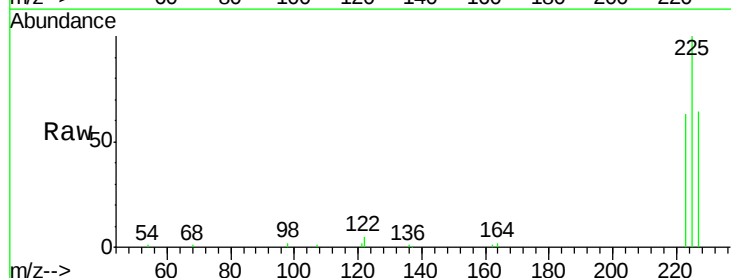
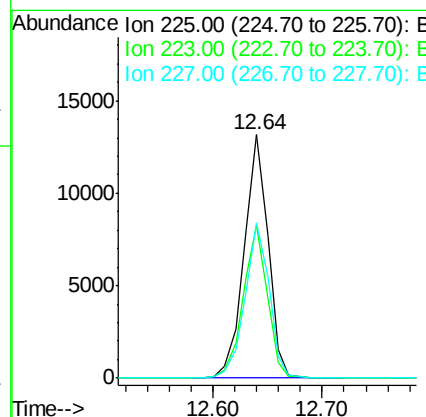
RT: 12.64 min Scan# 1536

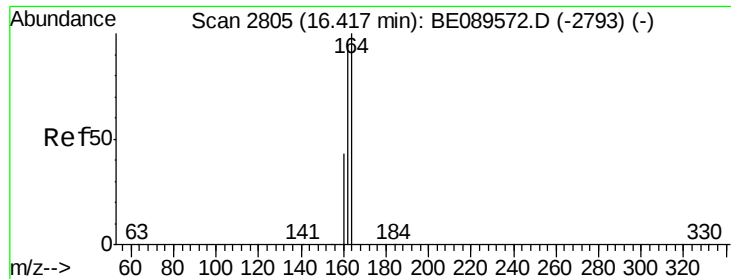
Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	225	Resp:	19700
Ion Ratio	Lower	Upper	
225	100		
223	62.8	0.0	0.0#
227	64.1	0.0	0.0#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

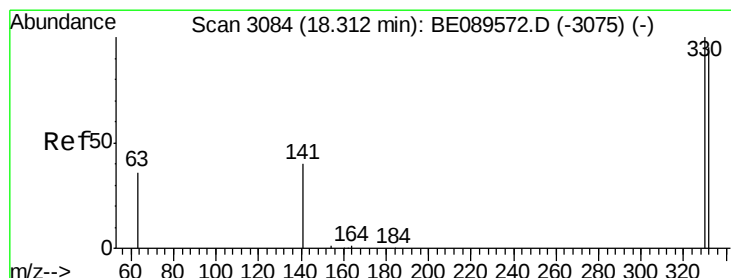
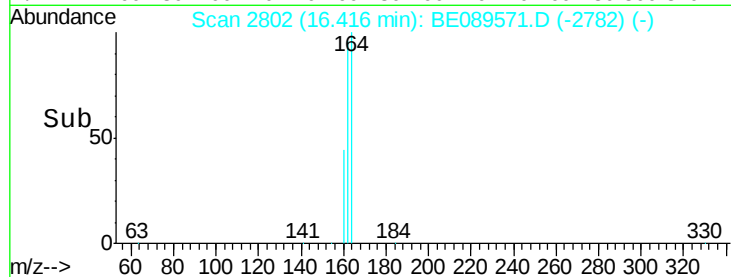
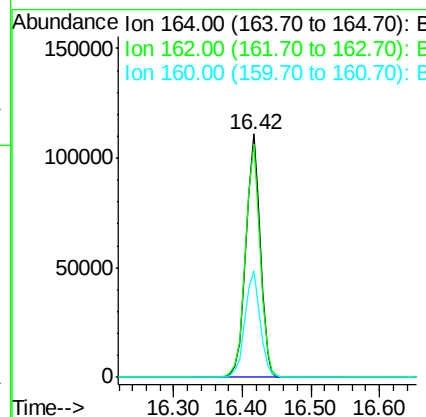
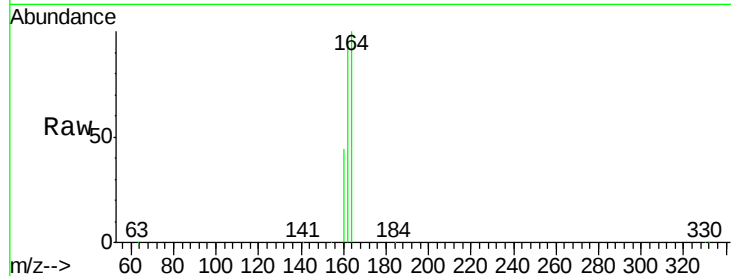
LabSampleId :

SSTDICC002

Tot Ion:	164	Resp:	161408
Ion Ratio	Lower	Upper	
164	100		
162	96.1	77.9	116.9
160	43.9	35.8	53.6

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#14

2,4,6-Tribromophenol

Concen: 2.25 ng

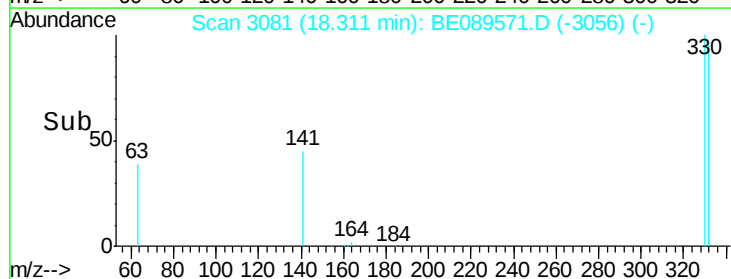
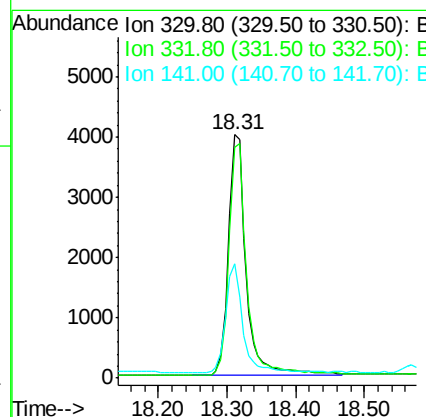
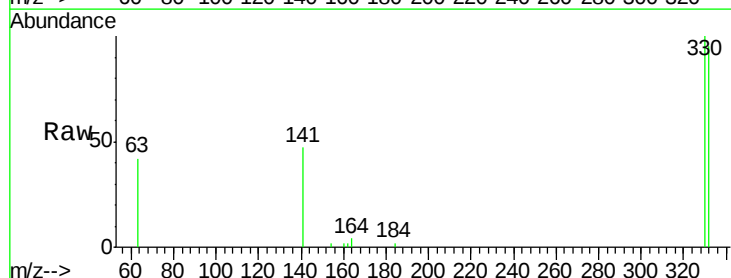
RT: 18.31 min Scan# 3081

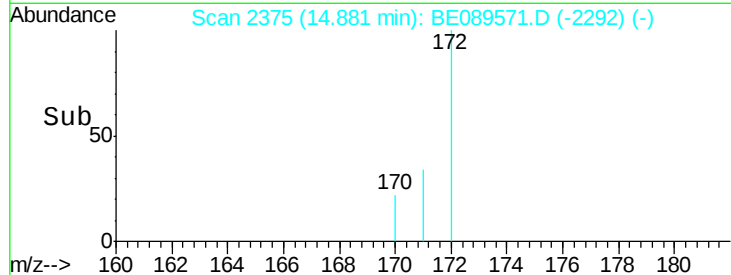
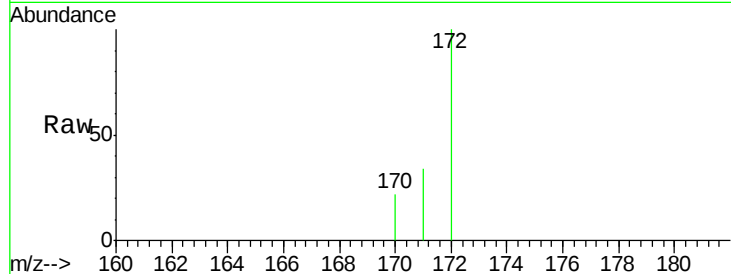
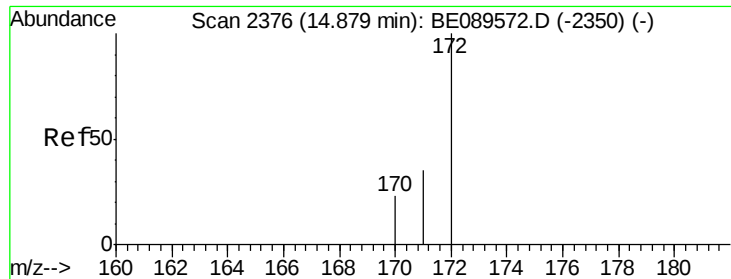
Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	330	Resp:	7214
Ion Ratio	Lower	Upper	
330	100		
332	97.5	0.0	0.0#
141	43.5	0.0	0.0#





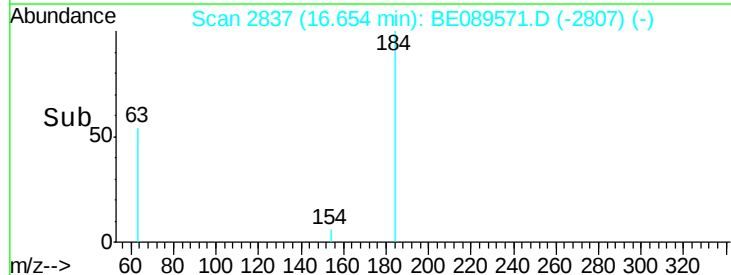
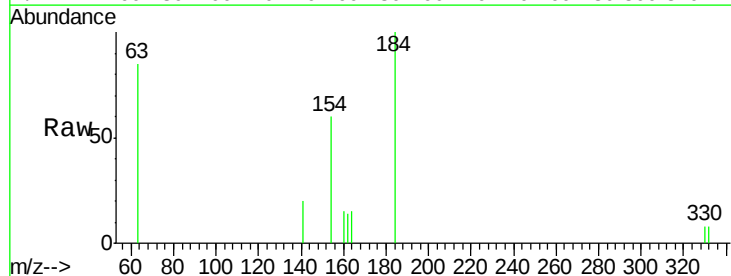
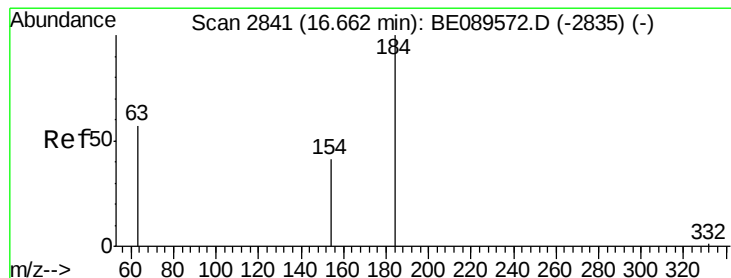
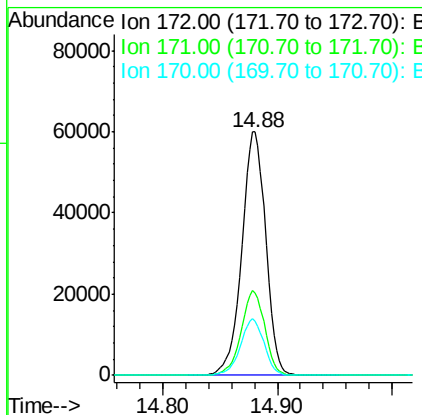
#15
2-Fluorobiphenyl
Concen: 1.72 ng
RT: 14.88 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.0
170	22.4	18.3	27.5

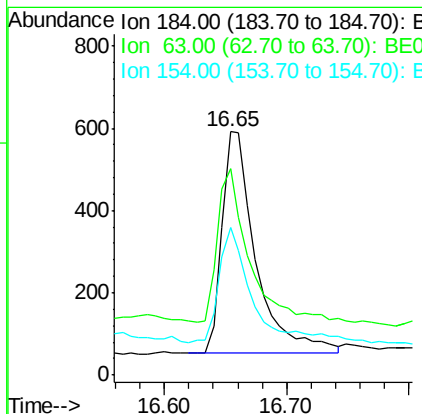
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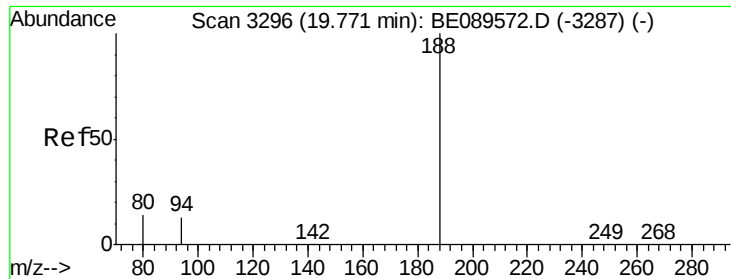
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#16
2,4-Dinitrophenol
Concen: 0.94 ng
RT: 16.65 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	84.6	58.1	87.1
154	60.5	42.0	63.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

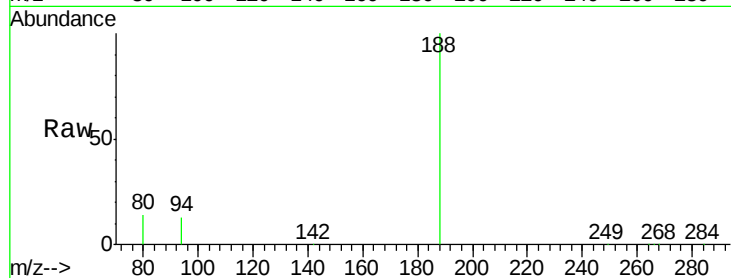
LabSampleId :

SSTDICC002

Tot Ion:	188	Resp:	312763
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.7	14.5
80	13.7	10.2	15.4

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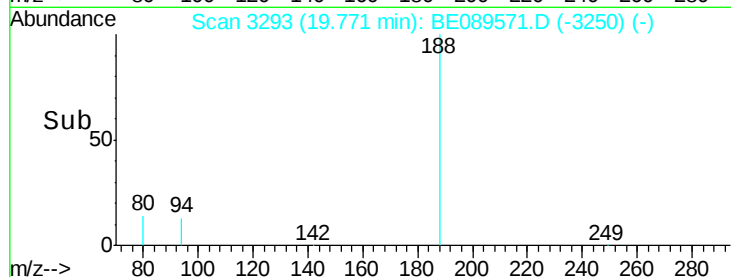


Abundance Ion 188.00 (187.70 to 188.70): E

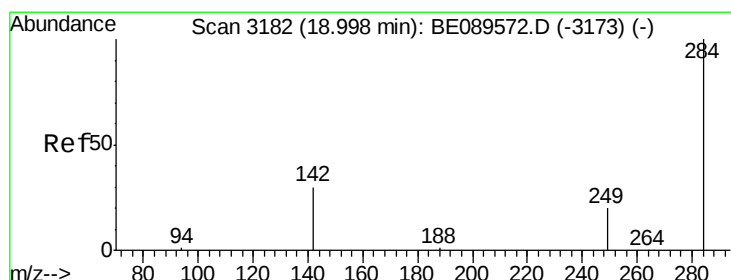
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->



Time-->



#18

Hexachlorobenzene

Concen: 1.68 ng

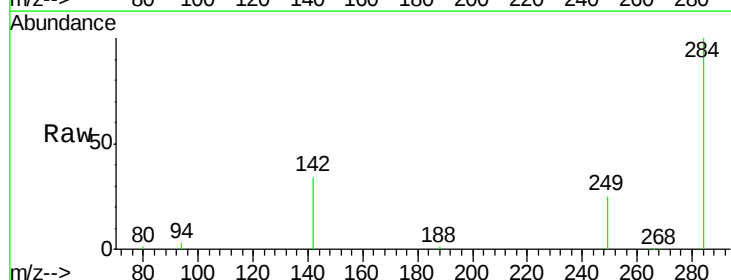
RT: 19.00 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	284	Resp:	26021
Ion Ratio	Lower	Upper	
284	100		
142	34.1	36.6	54.8#
249	24.9	24.4	36.6

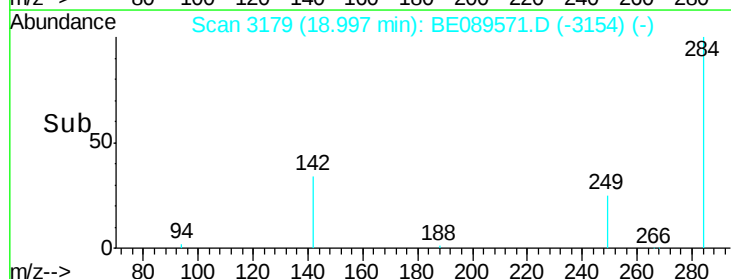


Abundance Ion 284.00 (283.70 to 284.70): E

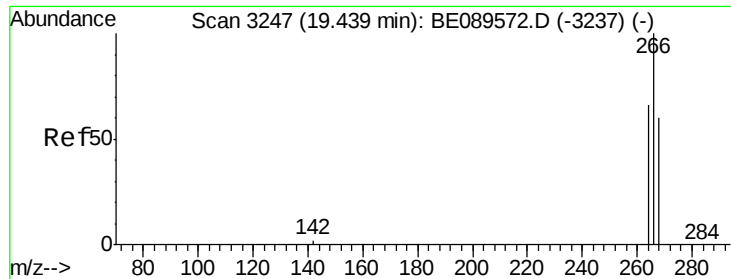
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



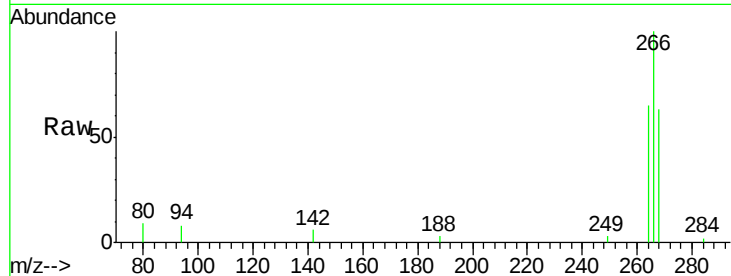
#19
 Pentachlorophenol
 Concen: 1.62 ng
 RT: 19.44 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: BE089571.D
 Acq: 16 Feb 2015 15:48

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

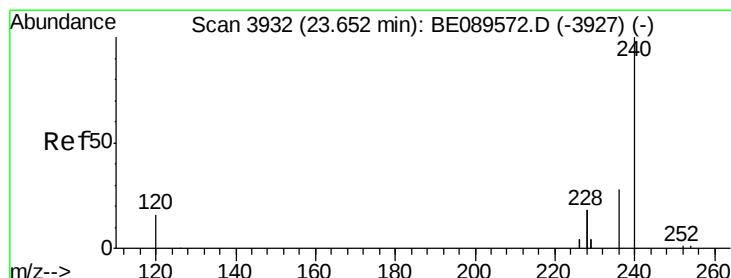
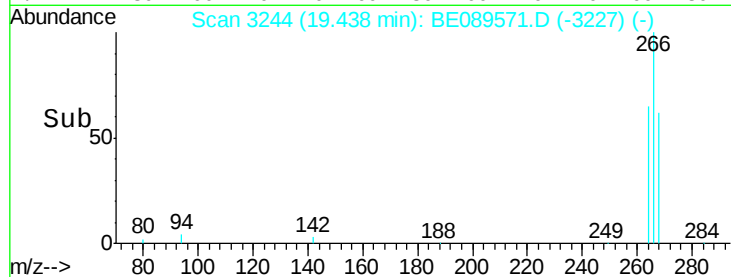
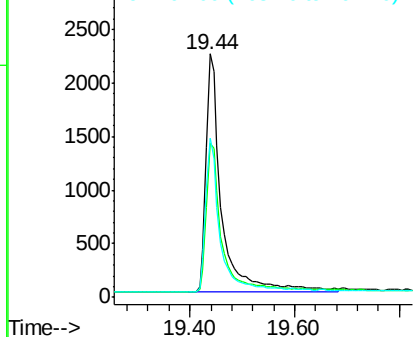
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.1	48.6	72.8
264	65.2	52.6	78.8

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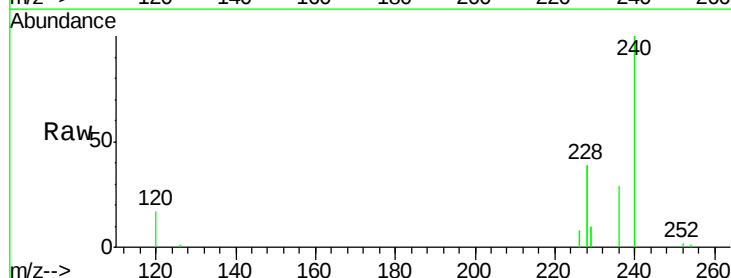


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

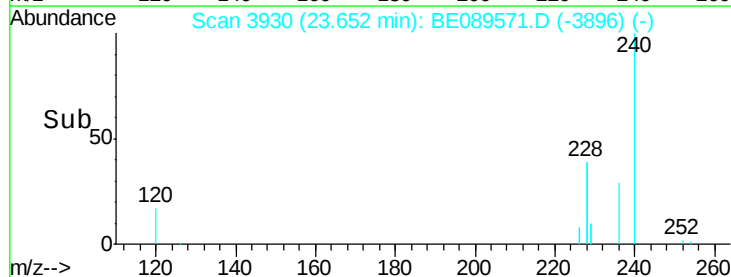
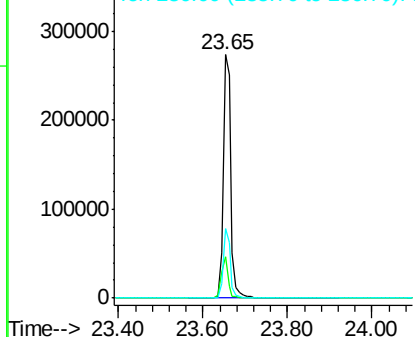


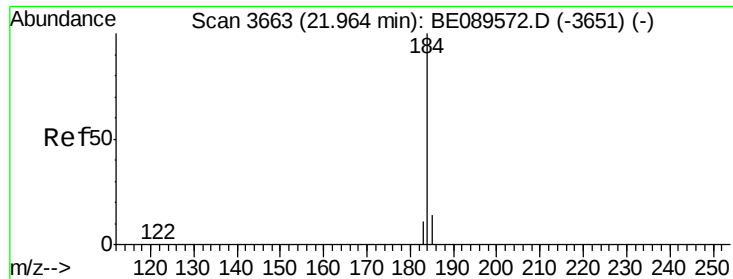
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3930
 Delta R.T. -0.01 min
 Lab File: BE089571.D
 Acq: 16 Feb 2015 15:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.8	6.6	9.8#
236	28.6	21.1	31.7



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





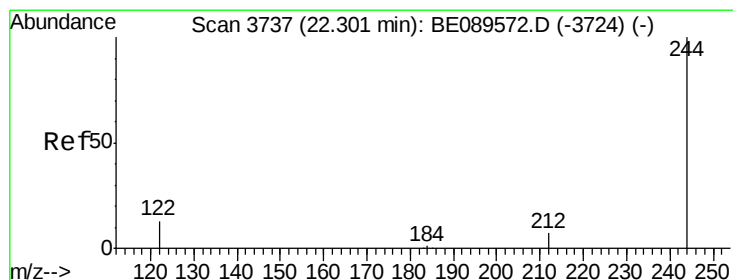
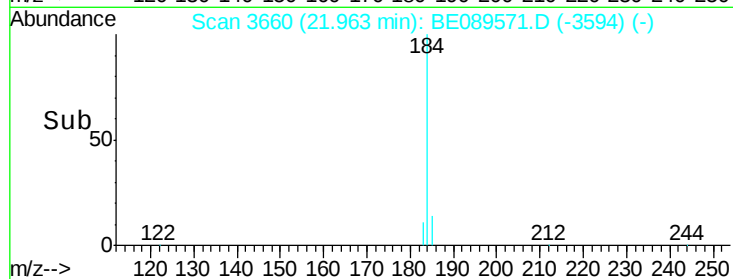
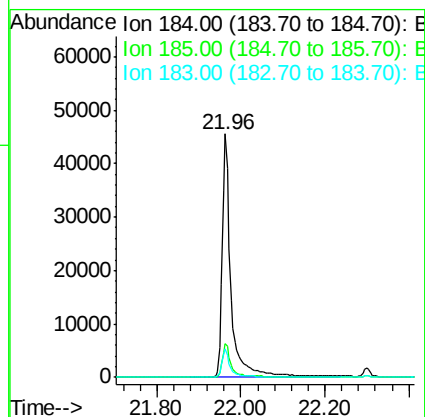
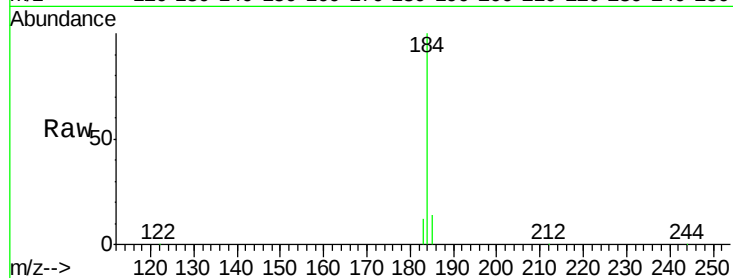
#21
Benzidine
Concen: 2.35 ng
RT: 21.96 min Scan# 3660
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.8	17.8
183	11.5	9.0	13.6

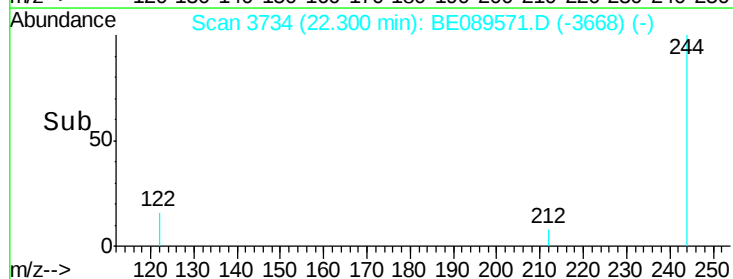
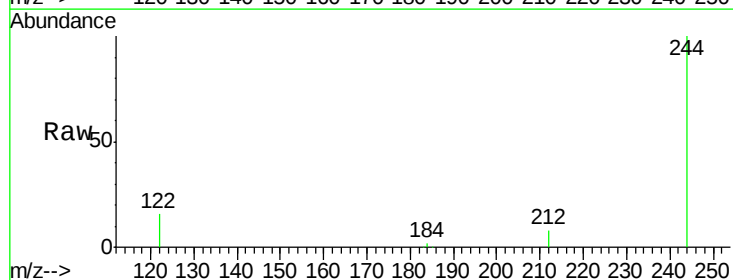
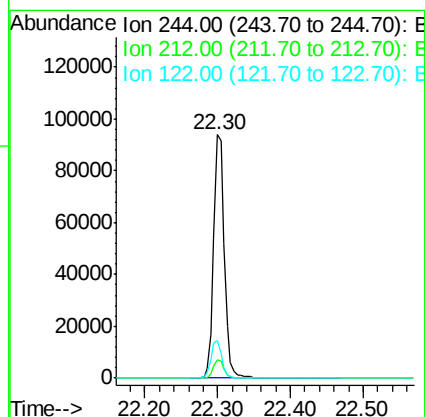
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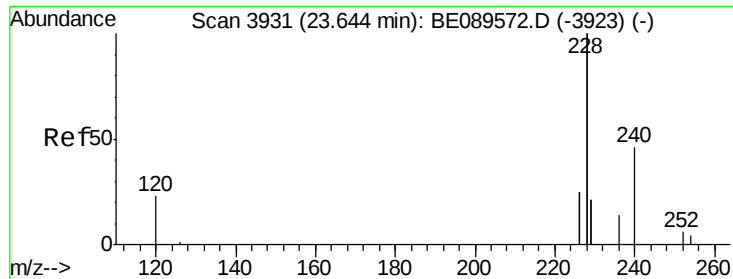
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#22
Terphenyl-d14
Concen: 2.91 ng
RT: 22.30 min Scan# 3734
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	9.8
122	15.6	13.1	19.7





#23

Benzo(a)anthracene

Concen: 2.83 ng

RT: 23.64 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

Tot Ion:228 Resp: 682778

Ion Ratio Lower Upper

228 100

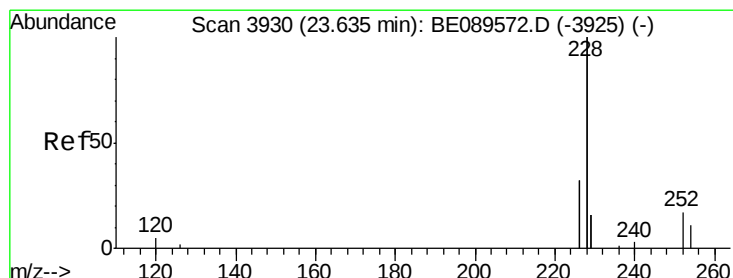
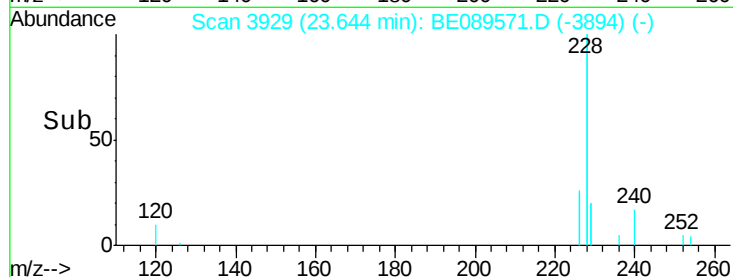
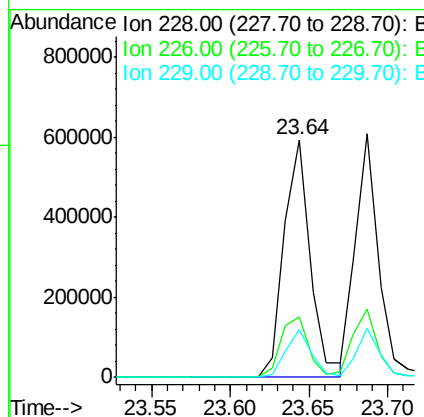
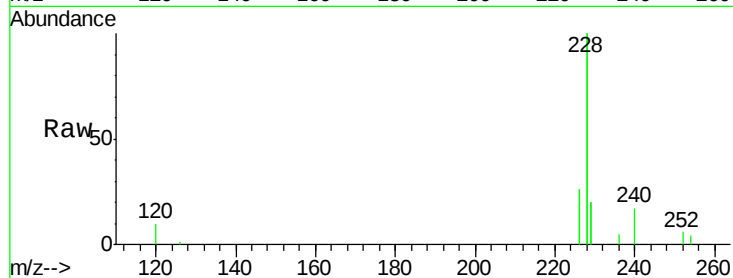
226 25.5 23.4 35.0

229 20.3 16.1 24.1

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#24

3,3'-Dichlorobenzidine

Concen: 2.20 ng

RT: 23.64 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

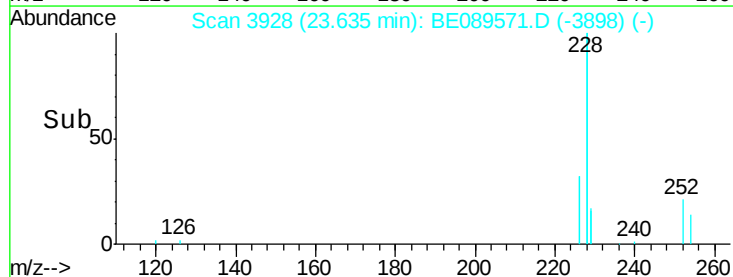
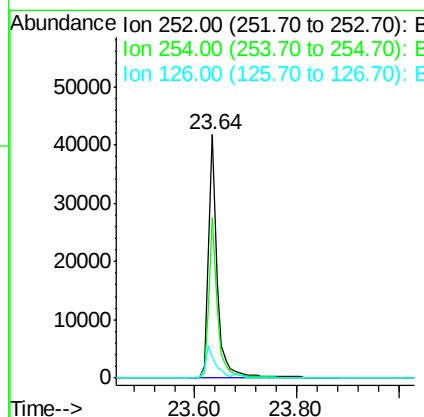
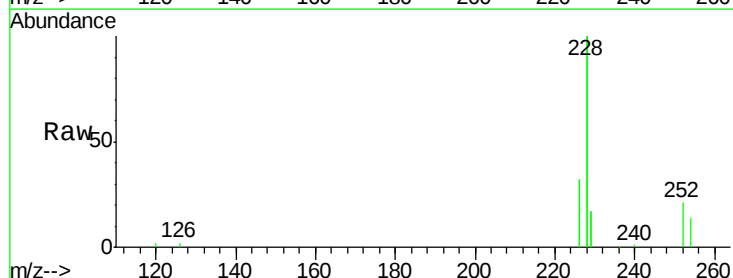
Tgt Ion:252 Resp: 50872

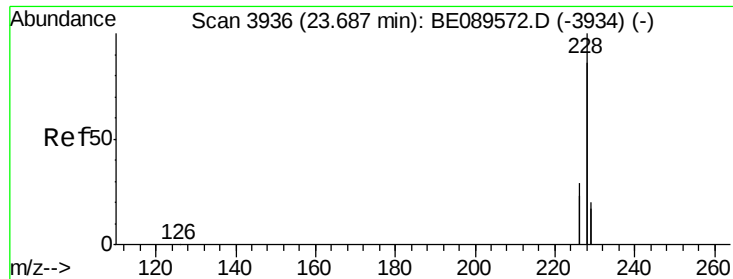
Ion Ratio Lower Upper

252 100

254 65.7 50.5 75.7

126 8.6 7.0 10.6





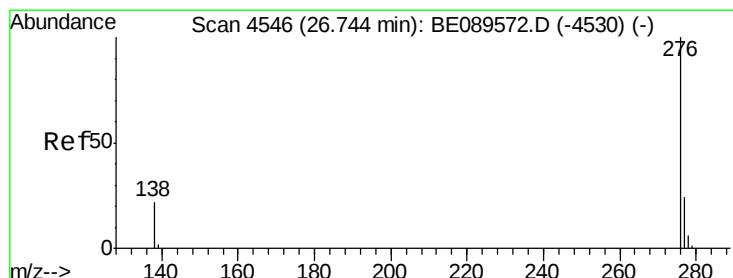
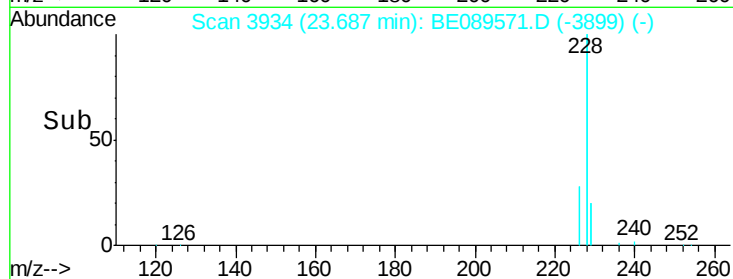
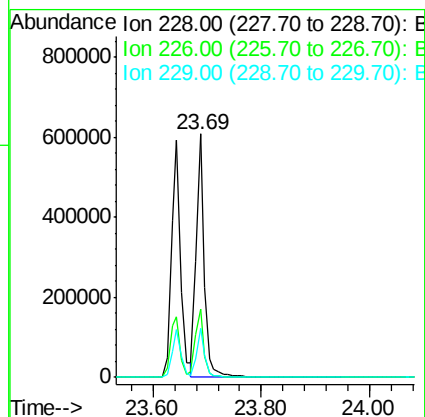
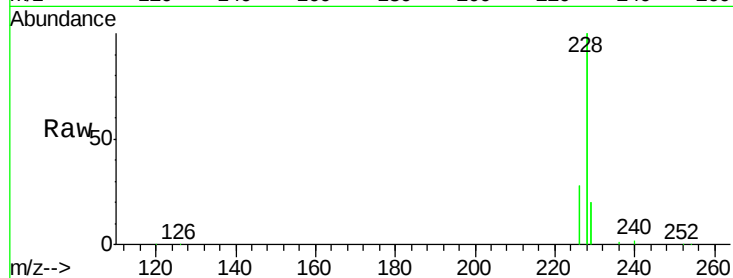
#25
Chrysene
Concen: 1.60 ng
RT: 23.69 min Scan# 3934
Delta R.T. 0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tot Ion:	228	Resp:	639791
Ion Ratio	Lower	Upper	
228	100		
226	28.2	27.8	41.6
229	20.1	14.8	22.2

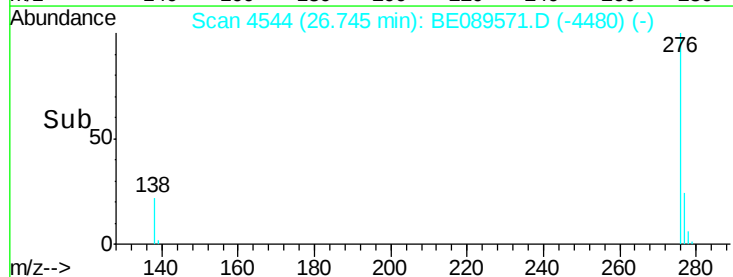
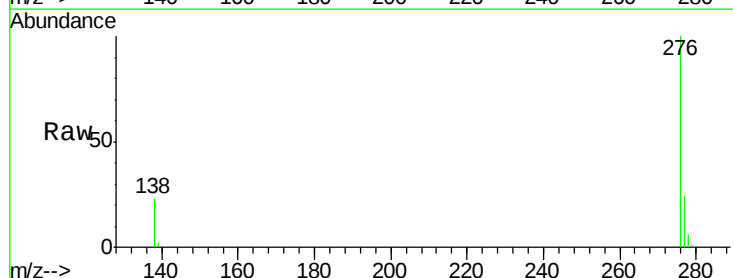
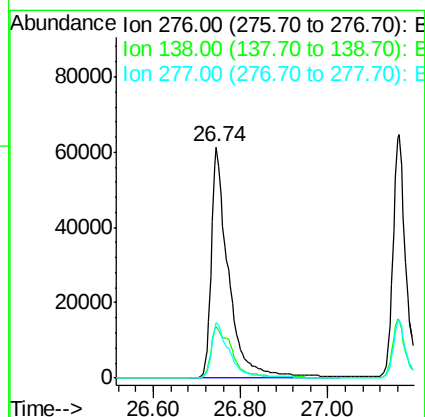
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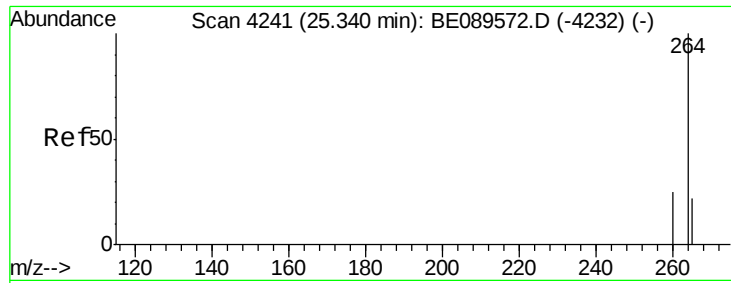
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#26
Indeno(1,2,3-cd)pyrene
Concen: 0.89 ng
RT: 26.74 min Scan# 4544
Delta R.T. -0.01 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tgt Ion:	276	Resp:	167606
Ion Ratio	Lower	Upper	
276	100		
138	28.0	0.0	0.0#
277	25.1	0.0	0.0#





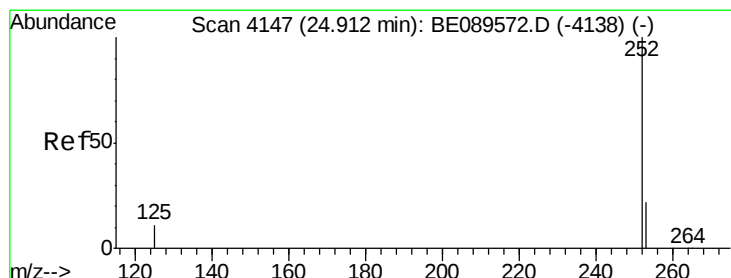
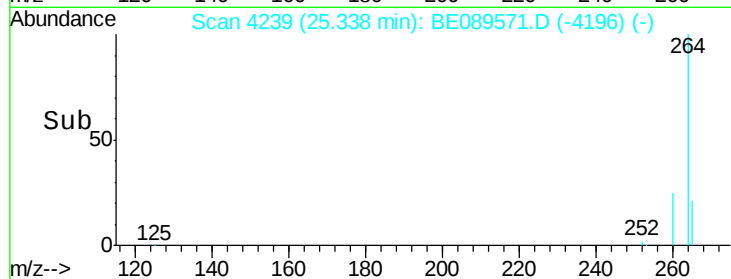
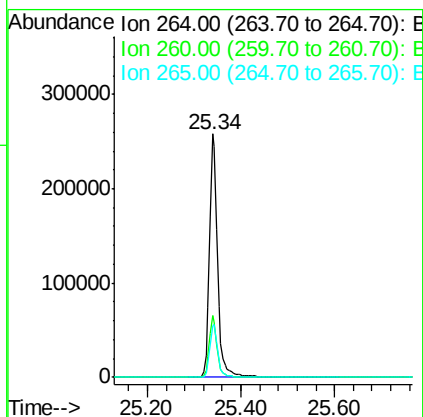
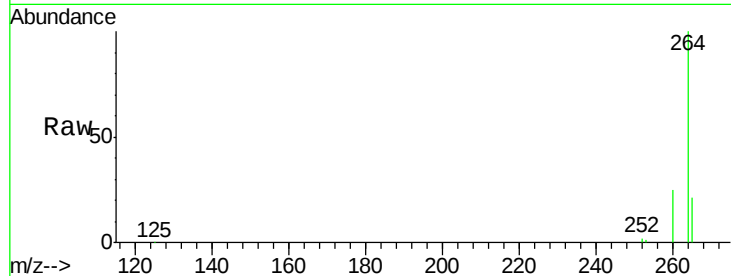
#27
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4239
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	30.8
265	21.2	17.2	25.8

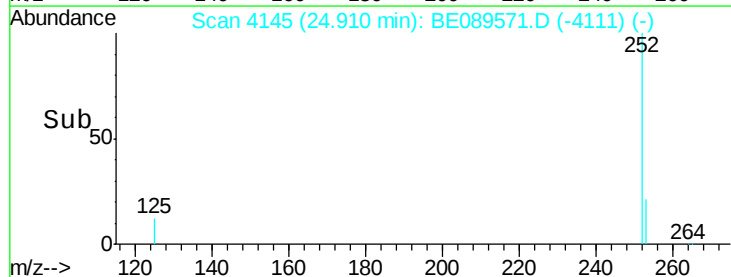
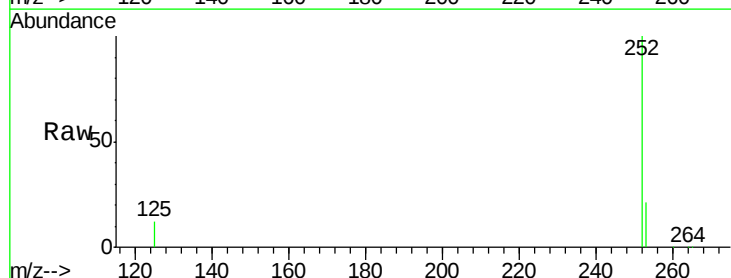
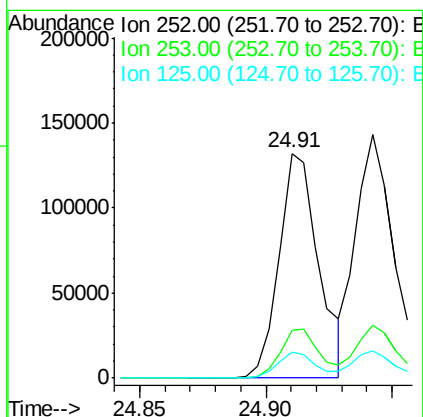
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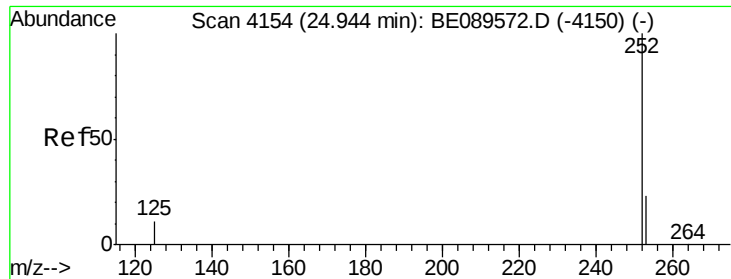
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#28
Benzo(b)fluoranthene
Concen: 5.27 ng
RT: 24.91 min Scan# 4145
Delta R.T. -0.01 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.9	28.3
125	11.7	9.9	14.9





#29

Benzo(k)fluoranthene

Concen: 2.65 ng

RT: 24.94 min Scan# 4152

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

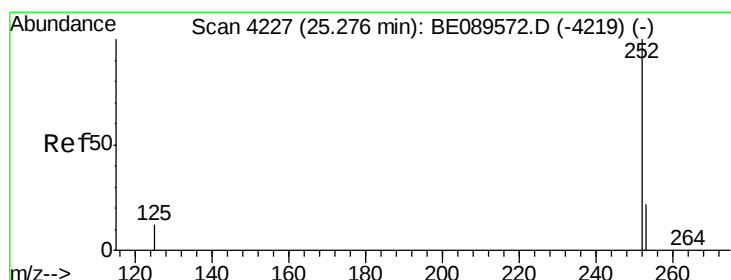
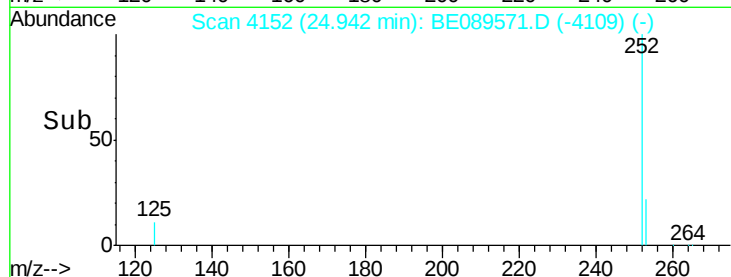
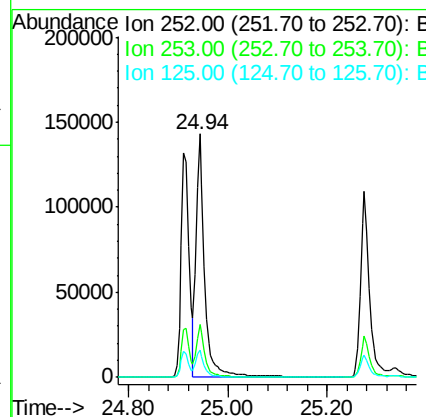
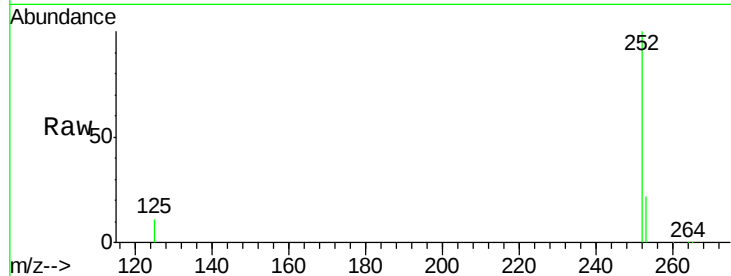
LabSampleId :

SSTDIC002

Tot Ion:	252	Resp:	171362
Ion Ratio	Lower	Upper	
252	100		
253	22.0	19.5	29.3
125	11.3	9.4	14.2

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#30

Benzo(a)pyrene

Concen: 3.79 ng

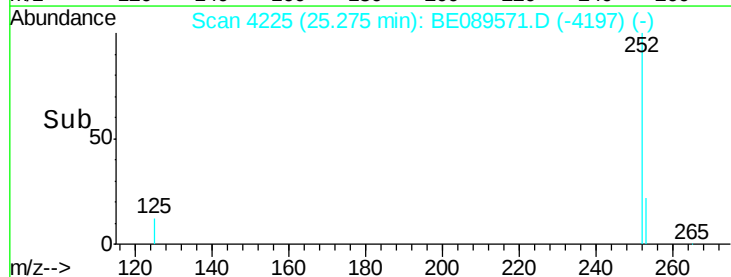
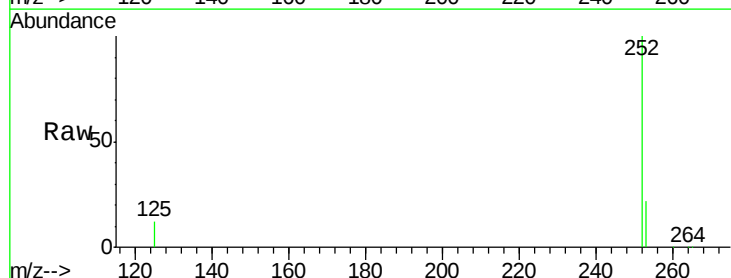
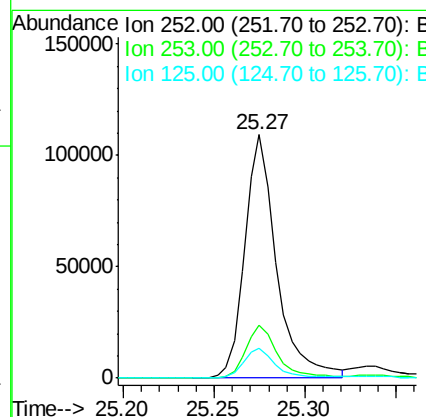
RT: 25.27 min Scan# 4225

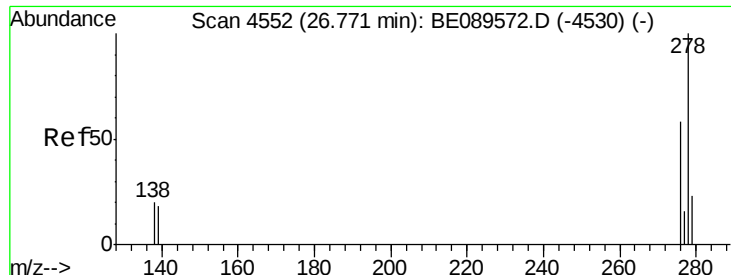
Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	252	Resp:	132832
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.0	27.0
125	12.2	10.9	16.3





#31

Dibenzo(a,h)anthracene

Concen: 4.40 ng

RT: 26.78 min Scan# 4551

Delta R.T. -0.00 min

Lab File: BE089571.D

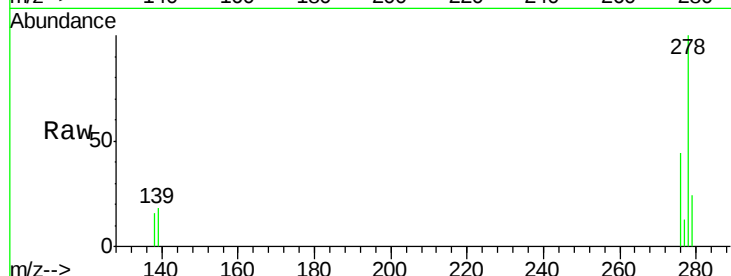
Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDIC002



Tot Ion:	278	Resp:	134066
Ion Ratio	Lower	Upper	
278	100		
139	17.6	15.5	23.3
279	23.9	19.8	29.8

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:05 PM

