

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089467.D
 Acq On : 3 Feb 2015 16:58
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Manual Integrations
 APPROVED

apatel
 2/4/2015 2:54:53 PM

Quant Time: Feb 04 00:37:50 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:22:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	55148	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	218731	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	94634	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	180609	5.00	ng	0.00
20) Chrysene-d12	23.78	240	181480	5.00	ng	0.00
27) Perylene-d12	25.49	264	170874	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	36702	1.99	ng	0.00
4) Phenol-d6	8.84	99	46044	2.13	ng	0.00
8) Nitrobenzene-d5	10.79	82	34642	2.17	ng	0.00
14) 2,4,6-Tribromophenol	18.51	330	7276	2.94	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	51339	1.94	ng	0.00
22) Terphenyl-d14	22.43	244	54401	2.60	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.54	42	21812	2.46	ng	# 96
5) Phenol	8.86	94	50184m	2.16	ng	
6) bis(2-Chloroethyl)ether	9.00	93	35976	2.12	ng	# 100
9) Nitrobenzene	10.83	77	40125	2.22	ng	100
10) 2,4-Dimethylphenol	11.77	122	28572	2.20	ng	95
11) 2,4-Dichlorophenol	12.15	162	21169	2.16	ng	97
12) Hexachlorobutadiene	12.81	225	13860	2.01	ng	99
16) 2,4-Dinitrophenol	16.84	184	1209	2.12	ng	86
18) Hexachlorobenzene	19.17	284	19359	2.04	ng	94
19) Pentachlorophenol	19.60	266	3328	2.99	ng	99
21) Benzidine	22.09	184	18753	1.45	ng	98
23) Benzo(a)anthracene	23.77	228	334724	2.29	ng	99
24) 3,3'-Dichlorobenzidine	23.76	252	29442	2.29	ng	99
25) Chrysene	23.82	228	351077	2.00	ng	99
26) Indeno(1,2,3-cd)pyrene	26.97	276	91593	1.78	ng	99
28) Benzo(b)fluoranthene	25.04	252	70079	3.01	ng	99
29) Benzo(k)fluoranthene	25.07	252	98655	2.30	ng	99
30) Benzo(a)pyrene	25.42	252	70624	2.70	ng	98
31) Dibenzo(a,h)anthracene	26.99	278	75914	2.42	ng	99

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

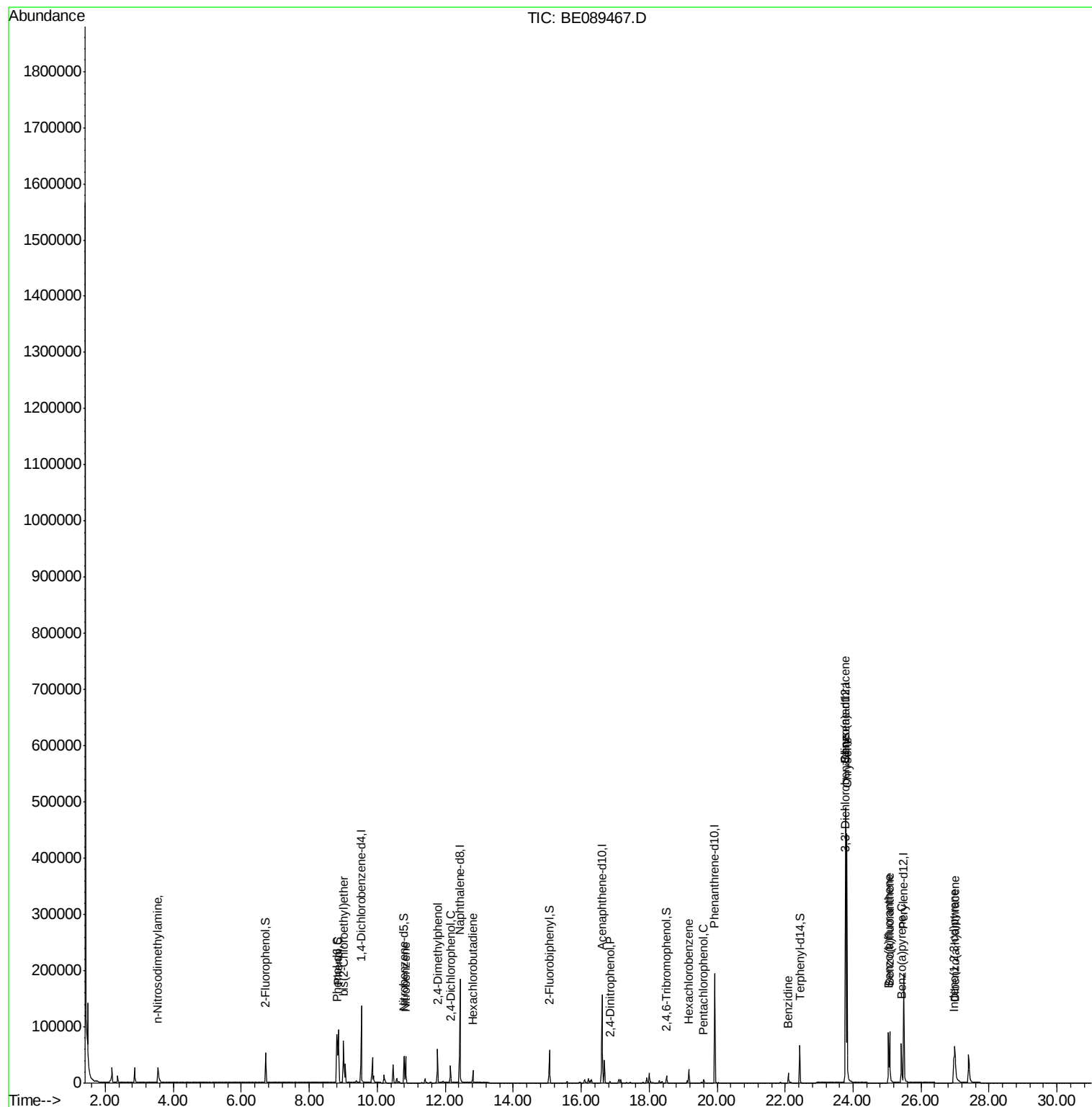
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089467.D
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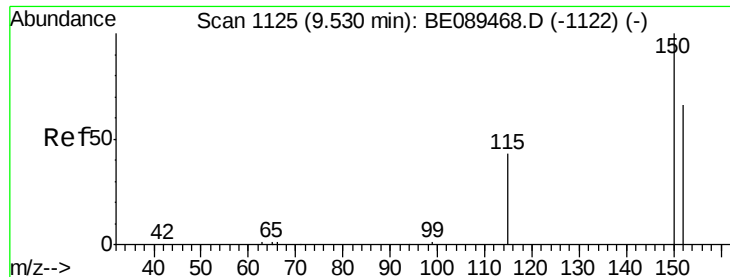
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089467.D

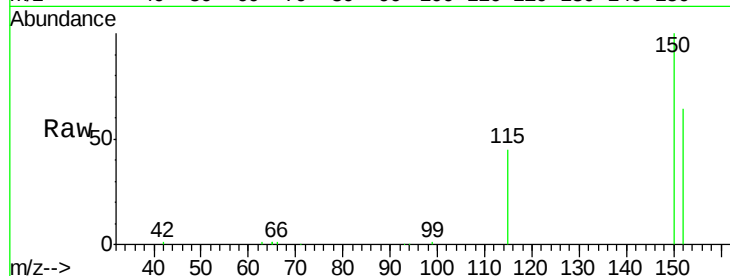
Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDIC002



Tgt Ion: 152 Resp: 55148

Ion Ratio Lower Upper

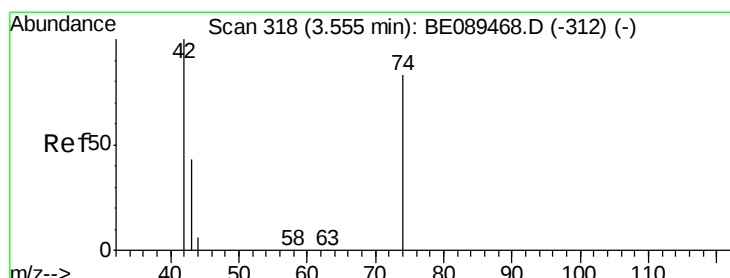
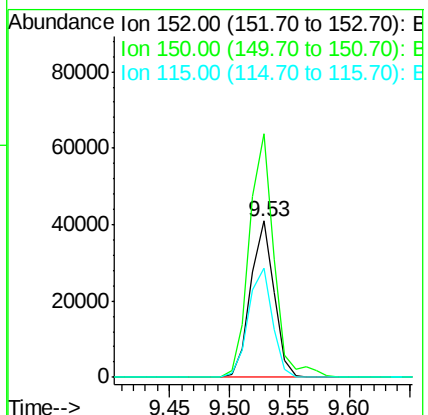
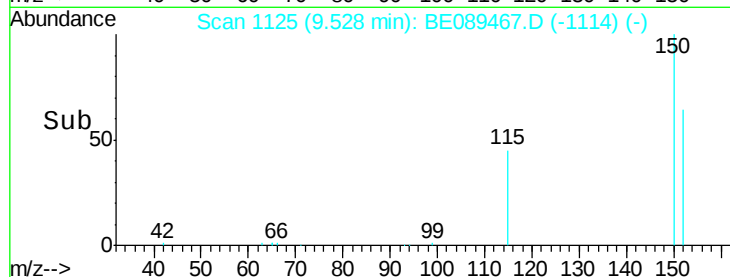
152 100

150 156.0 122.1 183.1

115 69.9 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 2.46 ng

RT: 3.54 min Scan# 316

Delta R.T. -0.01 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

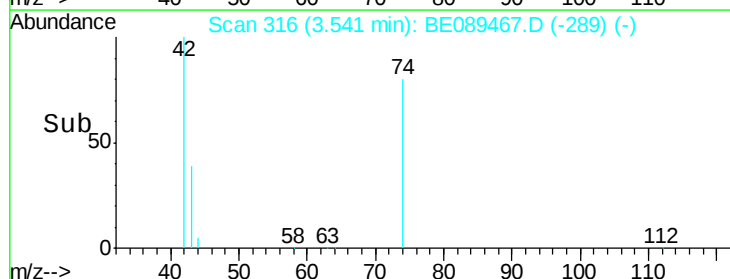
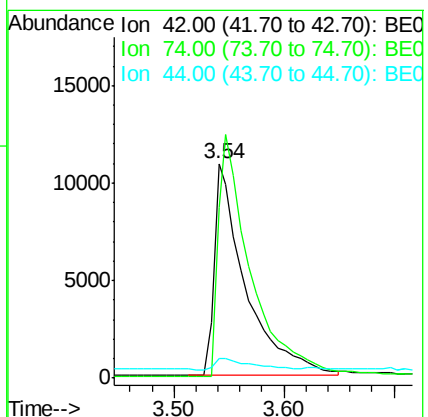
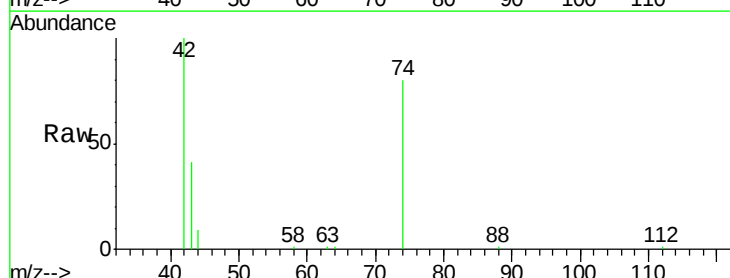
Tgt Ion: 42 Resp: 21812

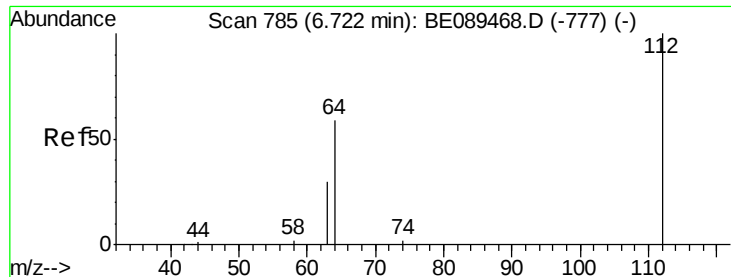
Ion Ratio Lower Upper

42 100

74 79.5 65.4 98.2

44 9.2 11.7 17.5#





#3

2-Fluorophenol

Concen: 1.99 ng

RT: 6.72 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

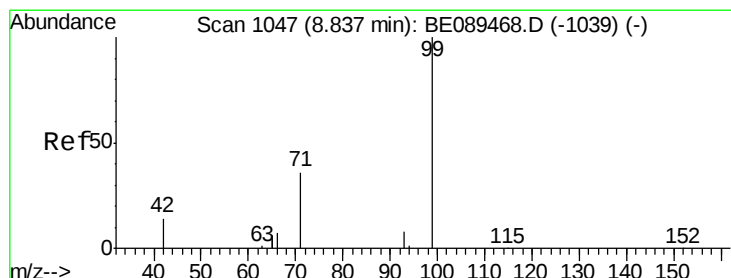
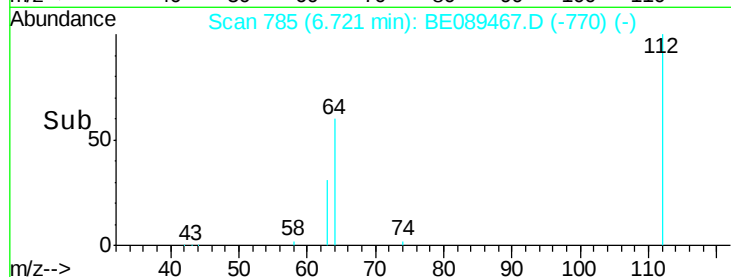
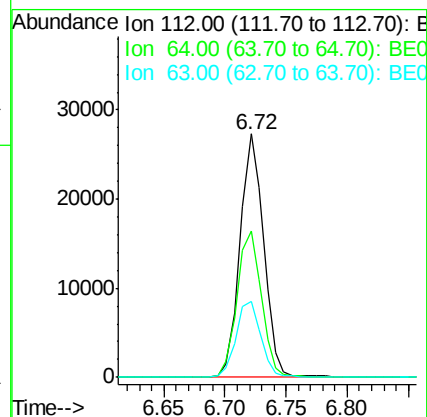
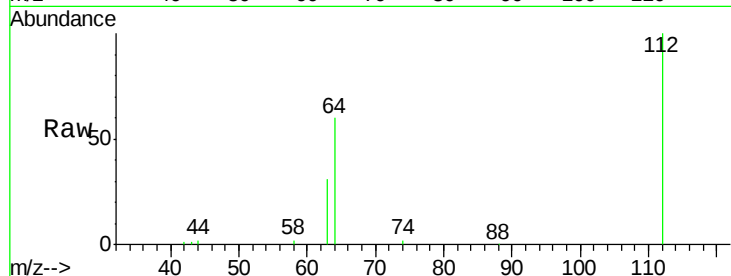
LabSampleId :

SSTDIC002

Tgt Ion:	112	Resp:	36702
Ion Ratio	Lower	Upper	
112	100		
64	60.1	47.0	70.6
63	31.2	24.2	36.2

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#4

Phenol-d6

Concen: 2.13 ng

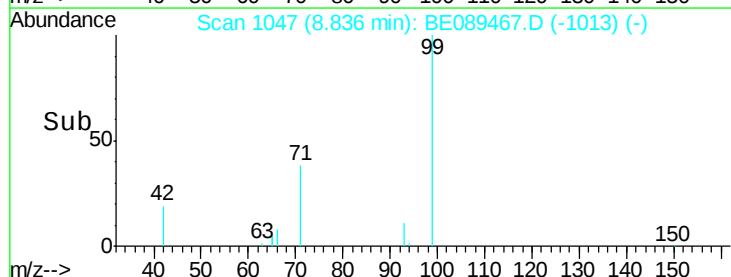
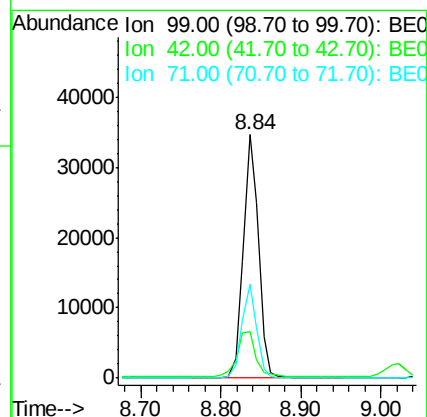
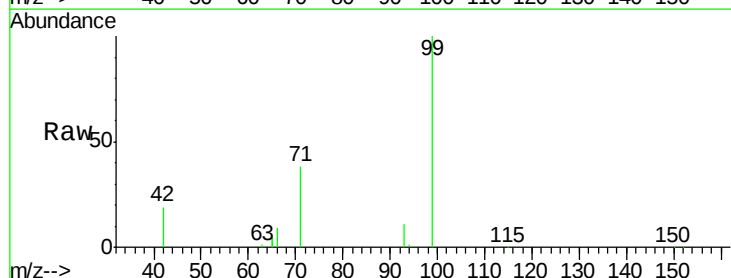
RT: 8.84 min Scan# 1047

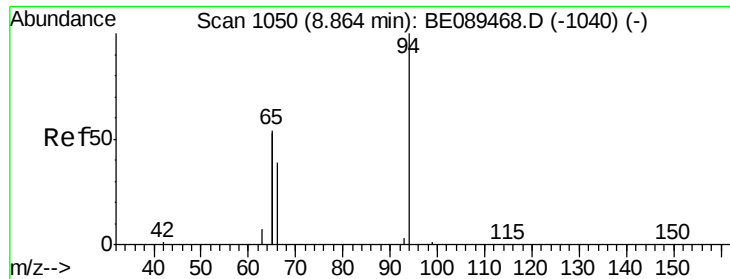
Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion:	99	Resp:	46044
Ion Ratio	Lower	Upper	
99	100		
42	19.0	11.8	17.6#
71	38.3	28.7	43.1





#5

Phenol

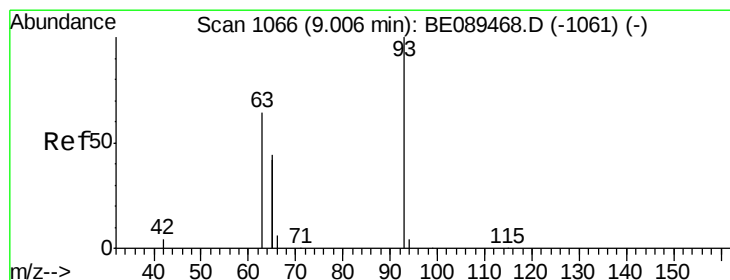
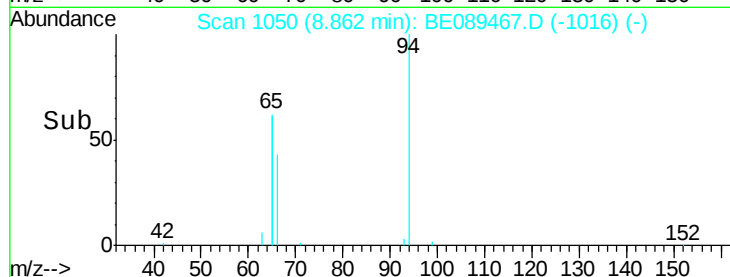
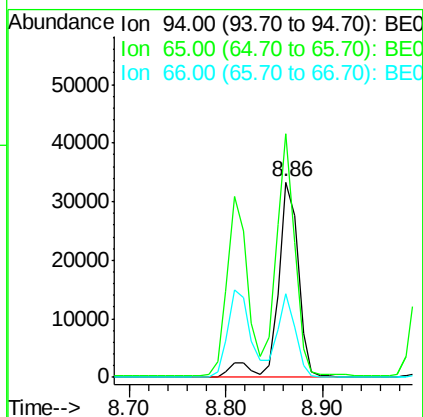
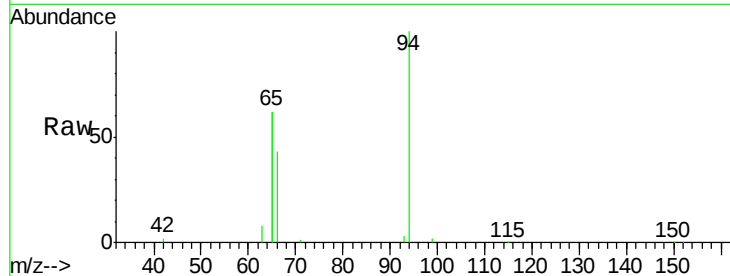
Concen: 2.16 ng m
 RT: 8.86 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BE089467.D
 Acq: 3 Feb 2015 16:58

Instrument :
 BNA_E
 LabSampleId :
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Tgt Ion	Ratio	Lower	Upper
94	100		
65	62.3	33.9	73.9
66	42.7	19.1	59.1

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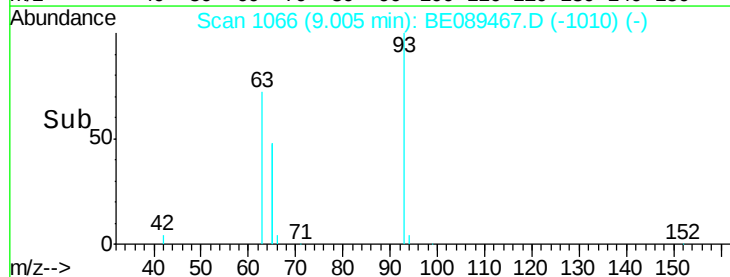
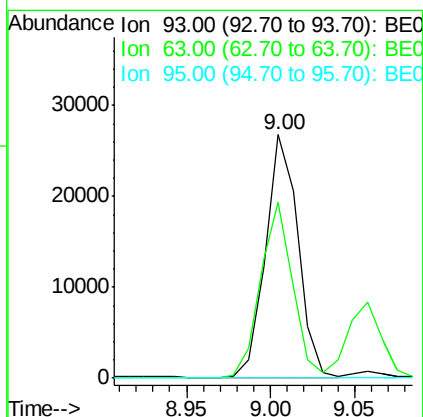
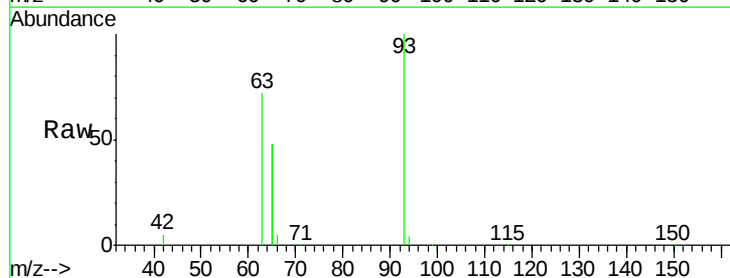


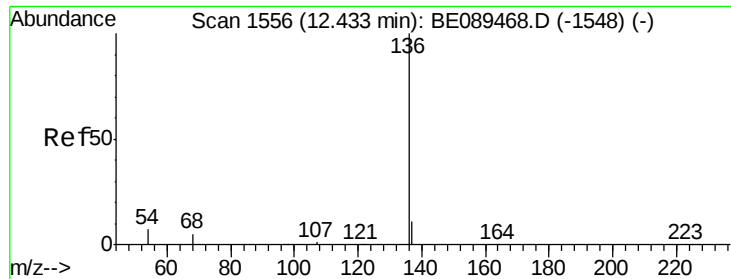
#6

bis(2-Chloroethyl)ether

Concen: 2.12 ng
 RT: 9.00 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: BE089467.D
 Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.3	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

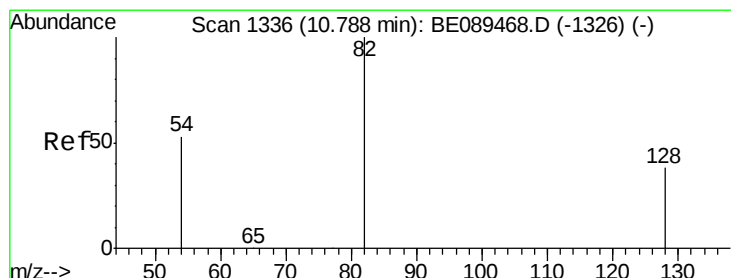
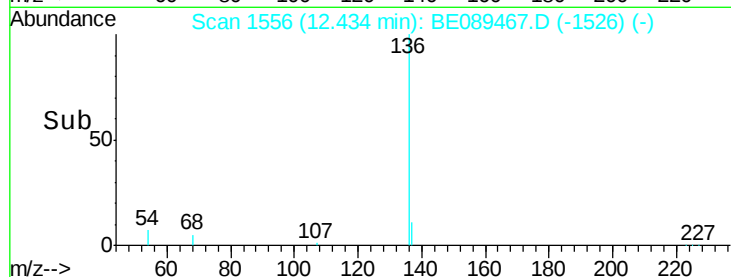
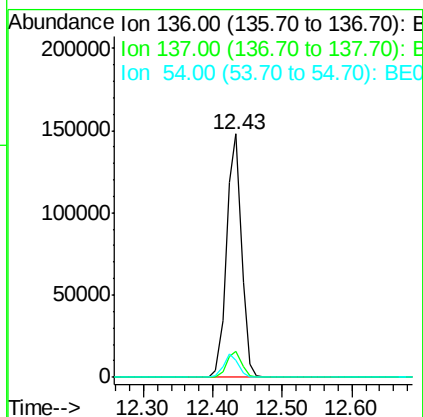
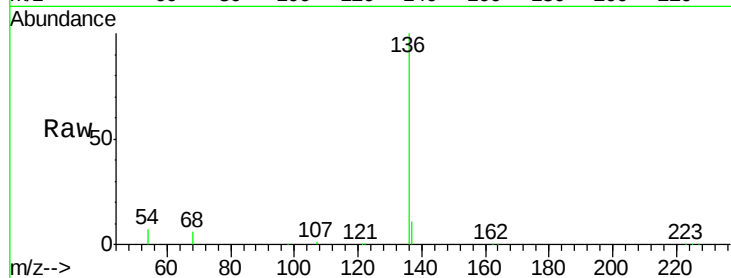
LabSampleId :

SSTDICC002

Tgt Ion:	136	Resp:	218731
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	6.9	5.4	8.0

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#8

Nitrobenzene-d5

Concen: 2.17 ng

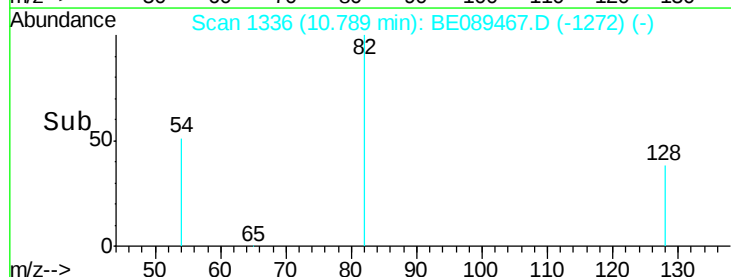
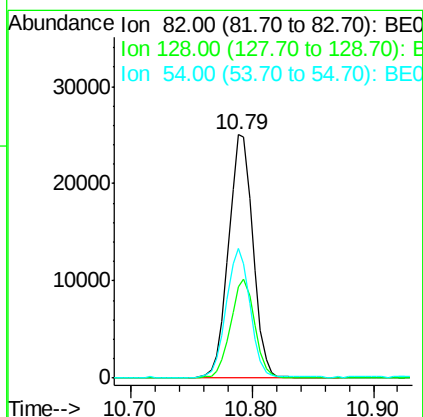
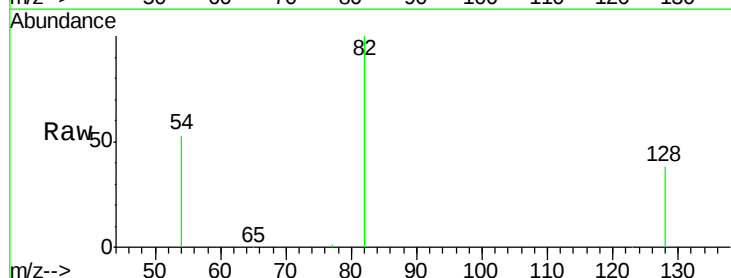
RT: 10.79 min Scan# 1336

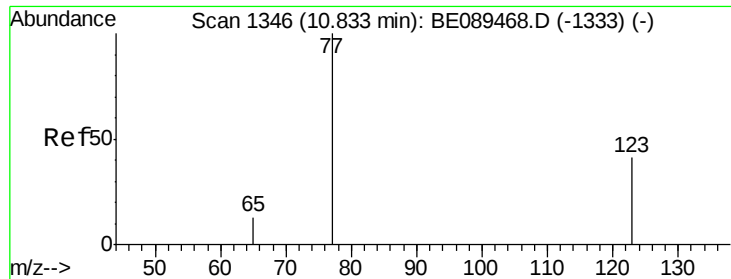
Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion:	82	Resp:	34642
Ion Ratio	Lower	Upper	
82	100		
128	37.6	30.3	45.5
54	53.1	43.1	64.7





#9

Nitrobenzene

Concen: 2.22 ng

RT: 10.83 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BE089467.D

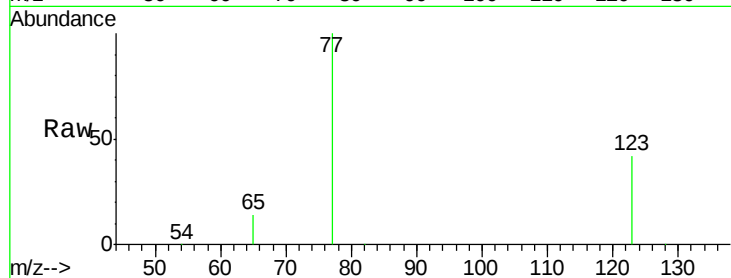
Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

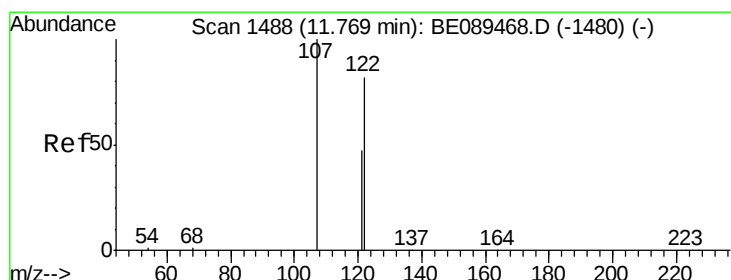
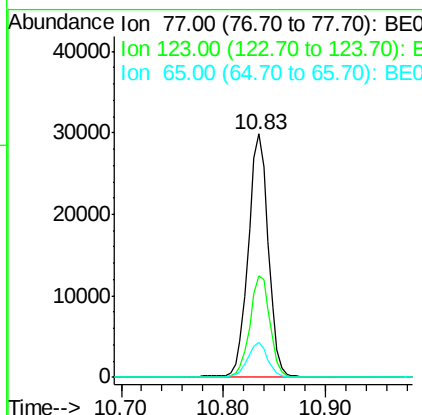
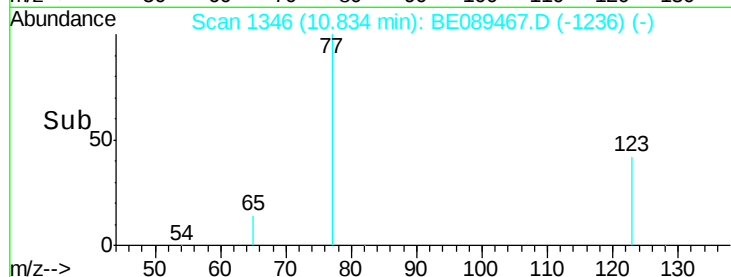
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Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.9	33.4	50.0
65	13.9	10.9	16.3

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#10

2,4-Dimethylphenol

Concen: 2.20 ng

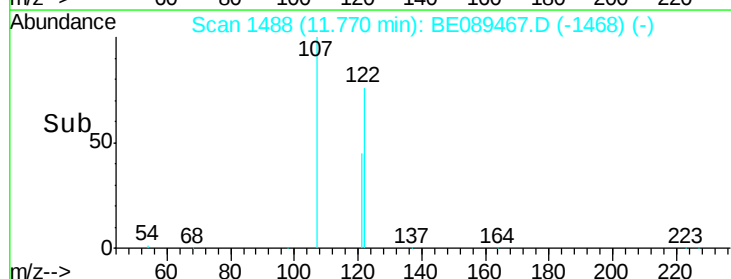
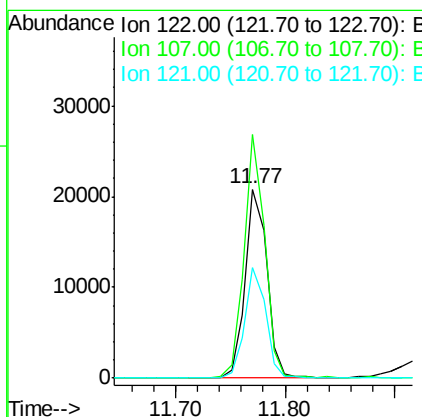
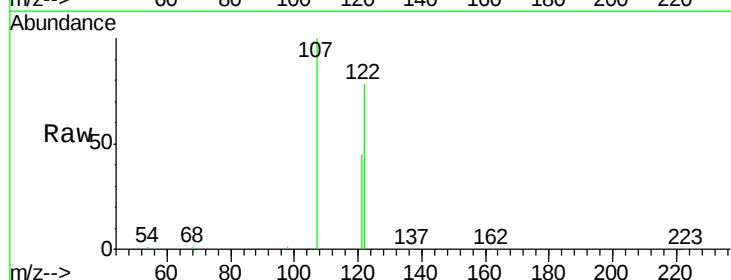
RT: 11.77 min Scan# 1488

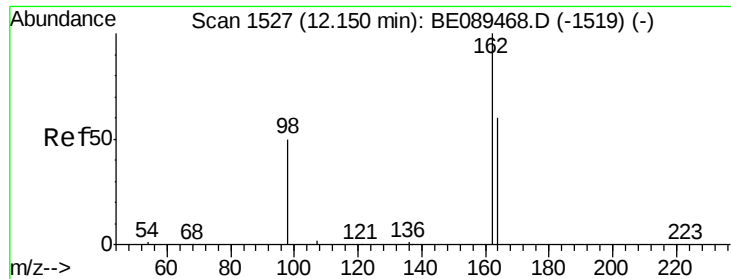
Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Lower	Upper
122	100		
107	128.9	97.3	145.9
121	58.6	46.4	69.6





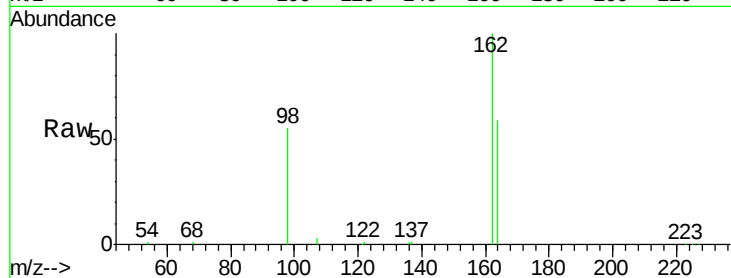
#11
2,4-Dichlorophenol
Concen: 2.16 ng
RT: 12.15 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Instrument :
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LabSampleId :
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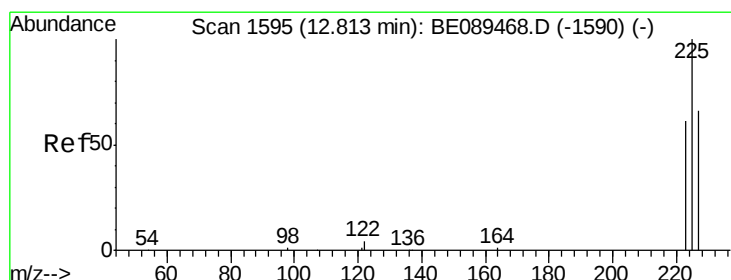
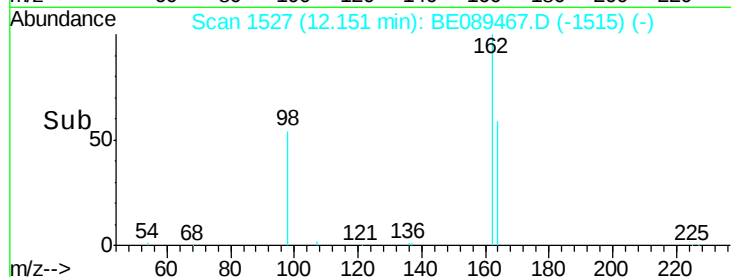
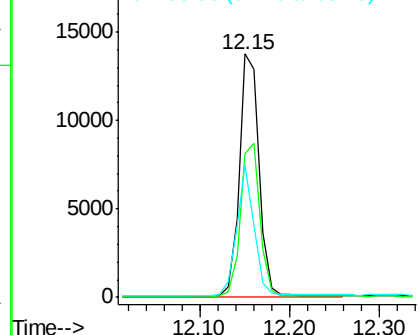
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	21169		
164	58.9	39.9	79.9	
98	54.6	31.3	71.3	

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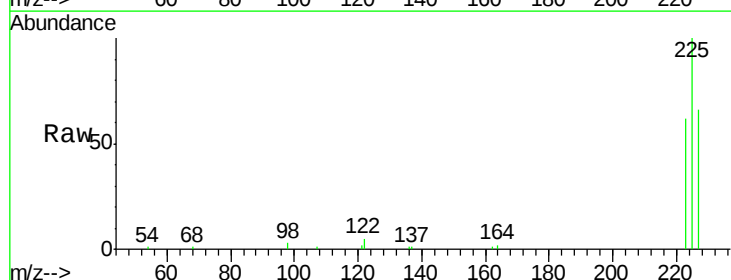


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

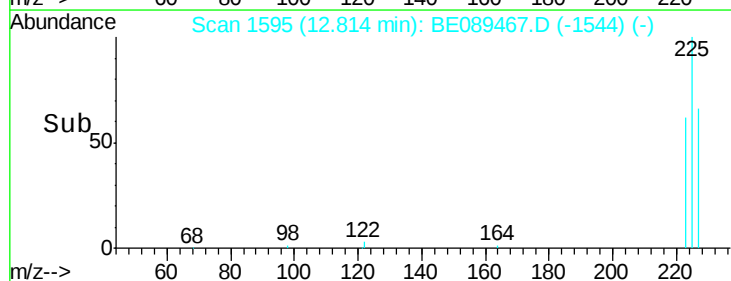
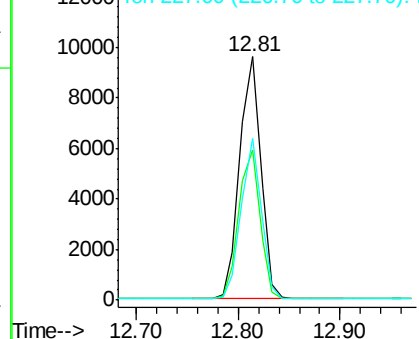


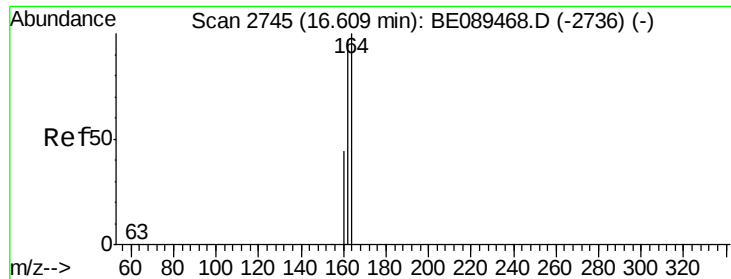
#12
Hexachlorobutadiene
Concen: 2.01 ng
RT: 12.81 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13860		
223	61.8	49.4	74.0	
227	63.0	51.2	76.8	



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





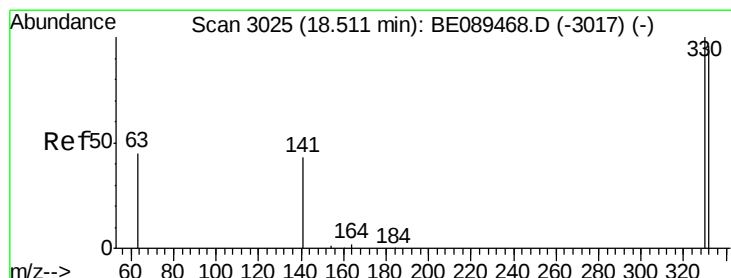
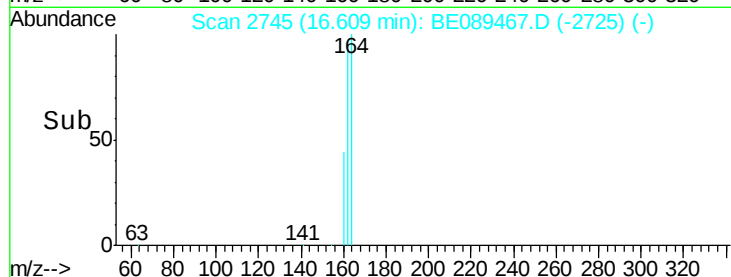
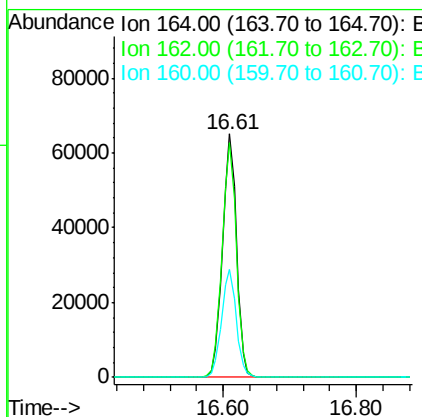
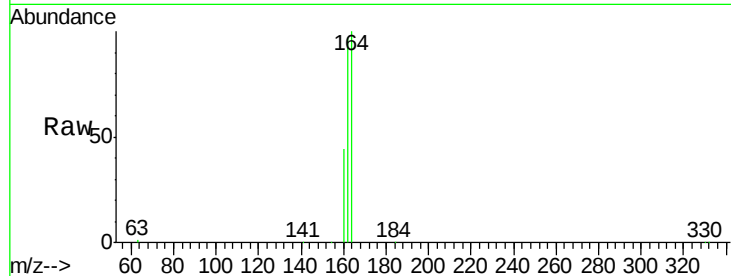
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.61 min Scan# 2745
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Instrument :
BNA_E
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.5	77.6	116.4
160	44.3	35.6	53.4

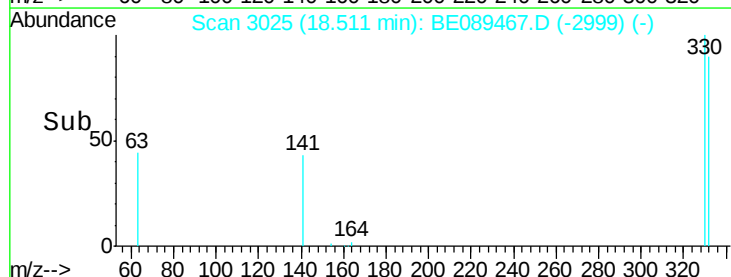
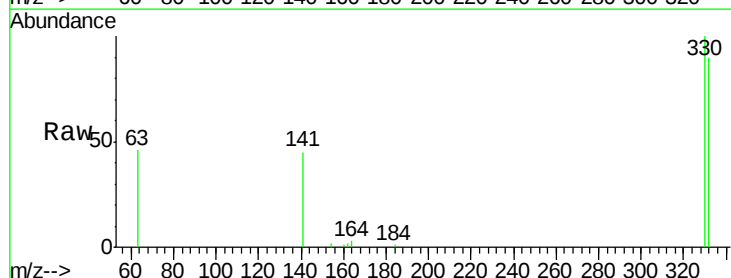
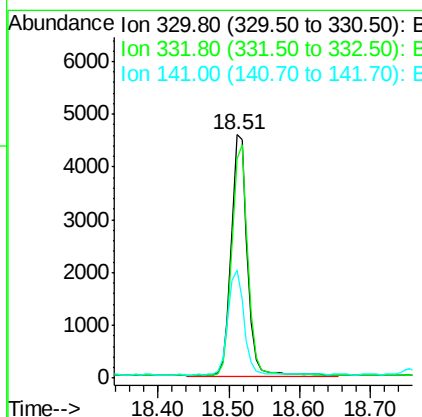
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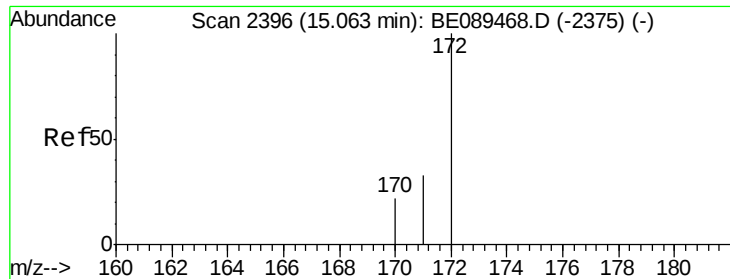
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#14
2,4,6-Tribromophenol
Concen: 2.94 ng
RT: 18.51 min Scan# 3025
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	42.9	33.8	50.6





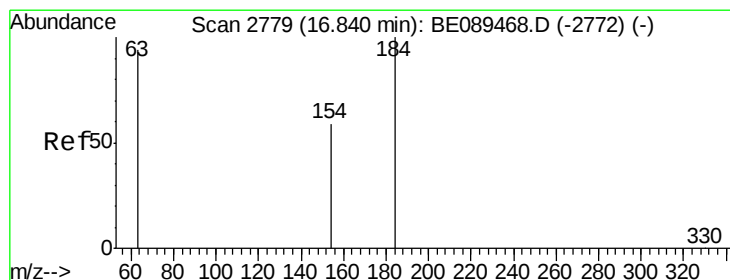
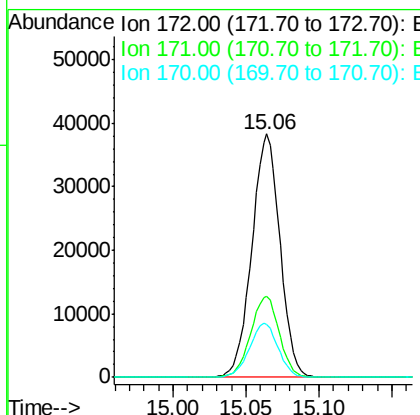
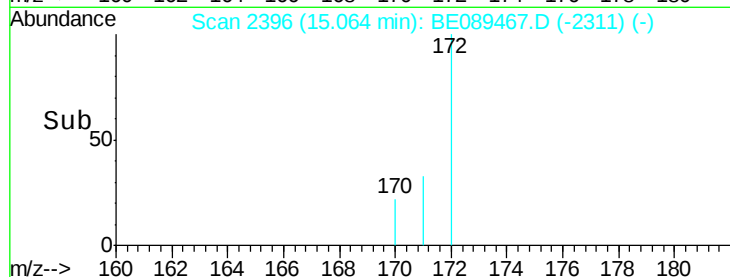
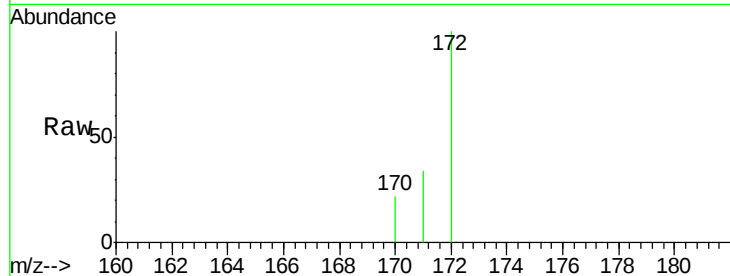
#15
2-Fluorobiphenyl
Concen: 1.94 ng
RT: 15.06 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Instrument :
BNA_E
LabSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.8	40.2
170	21.8	17.7	26.5

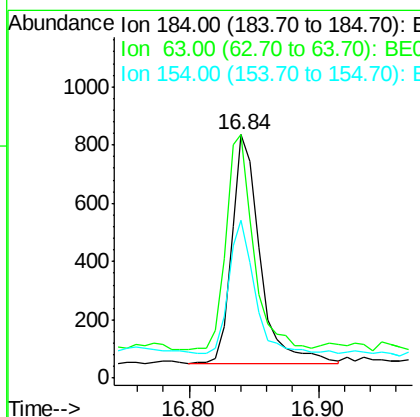
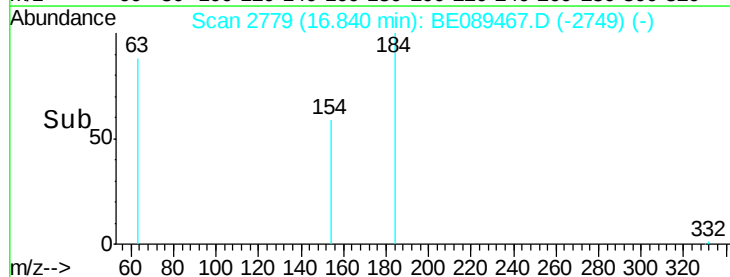
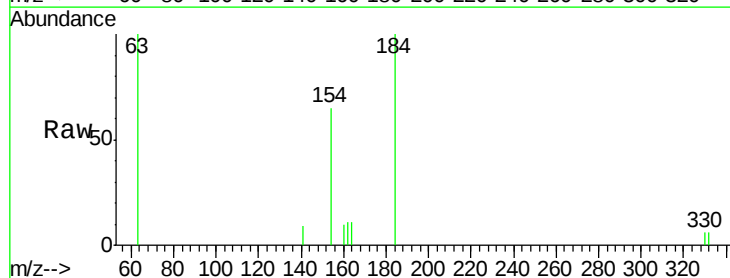
Manual Integrations
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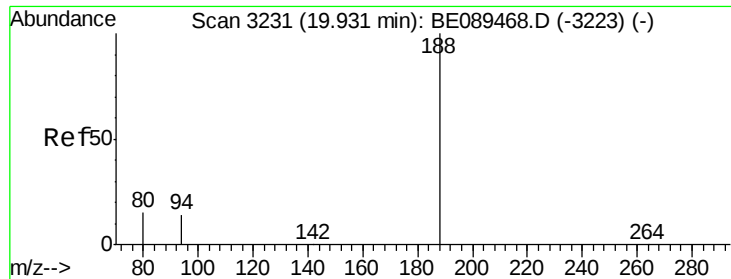
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#16
2,4-Dinitrophenol
Concen: 2.12 ng
RT: 16.84 min Scan# 2779
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Lower	Upper
184	100		
63	100.0	92.1	138.1
154	64.6	61.4	92.2





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.93 min Scan# 3231

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

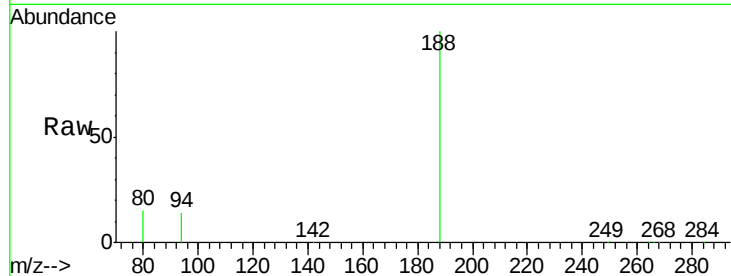
LabSampleId :

SSTDICC002

Tgt Ion:	188	Resp:	180609
Ion Ratio	Lower	Upper	
188	100		
94	14.1	11.1	16.7
80	15.2	11.8	17.6

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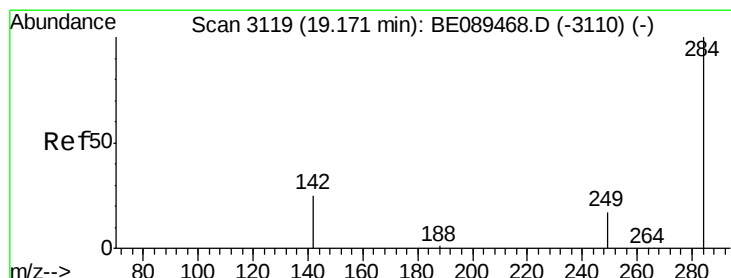
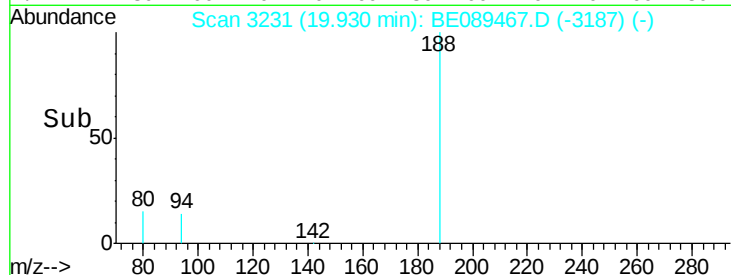
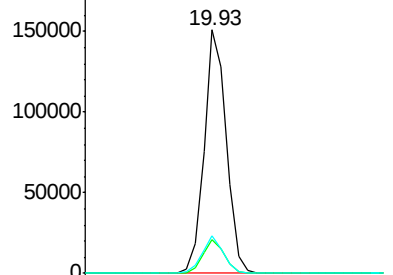
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 2.04 ng

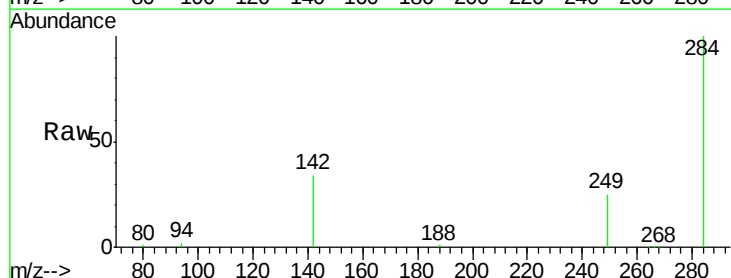
RT: 19.17 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

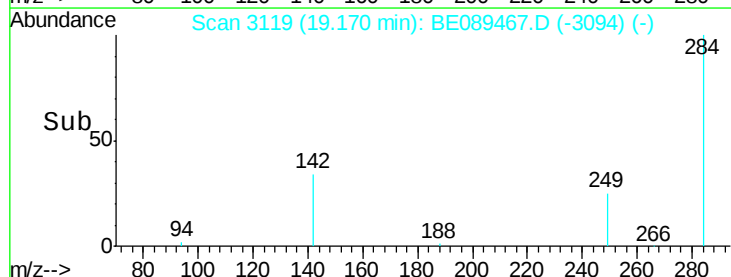
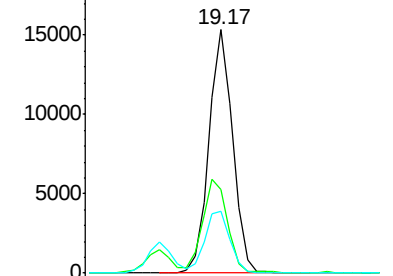
Tgt Ion:	284	Resp:	19359
Ion Ratio	Lower	Upper	
284	100		
142	34.4	24.4	36.6
249	25.3	18.2	27.2

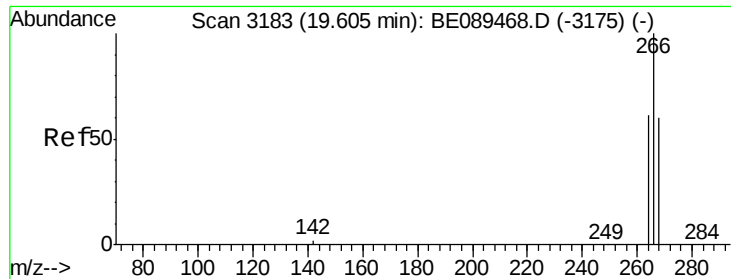


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





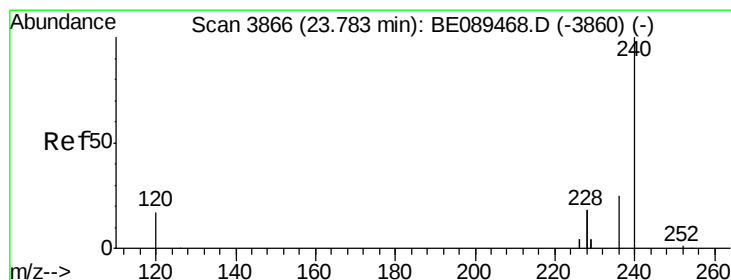
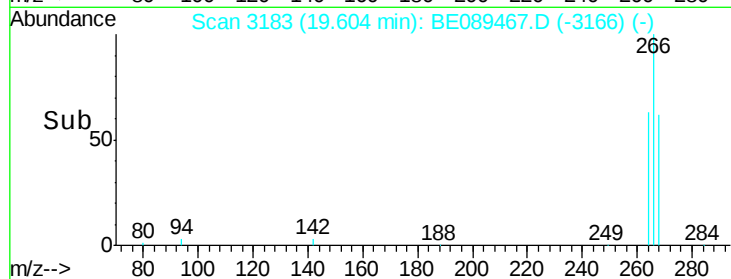
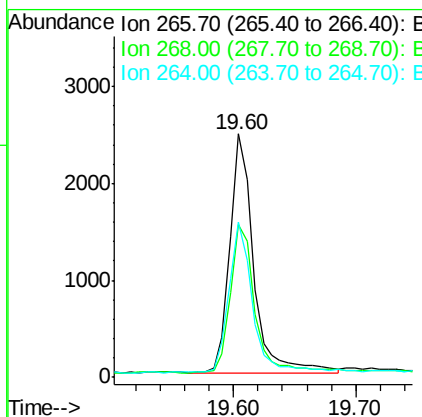
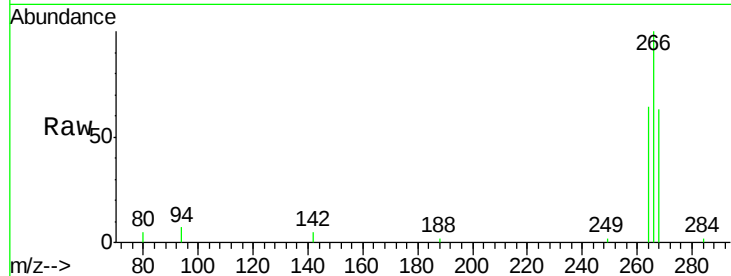
#19
 Pentachlorophenol
 Concen: 2.99 ng
 RT: 19.60 min Scan# 3183
 Delta R.T. -0.00 min
 Lab File: BE089467.D
 Acq: 3 Feb 2015 16:58

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.8	50.0	75.0
264	64.0	50.6	75.8

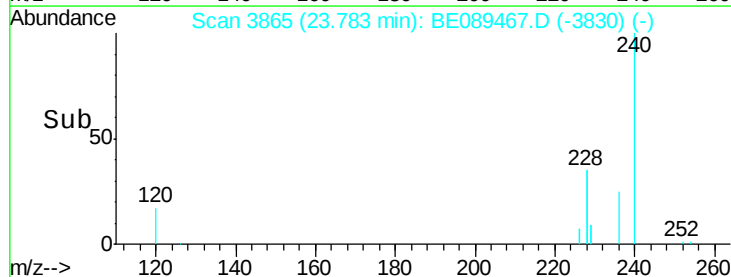
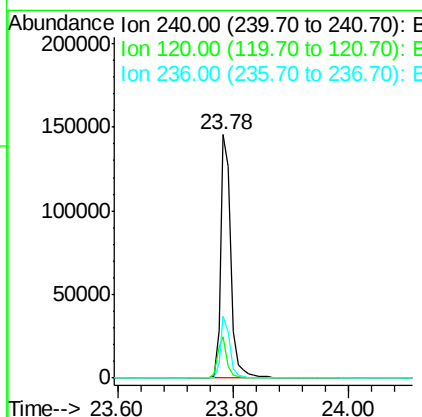
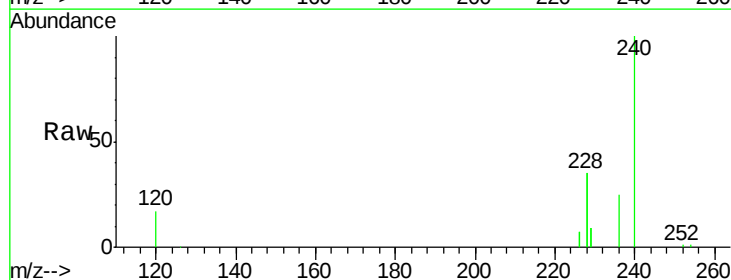
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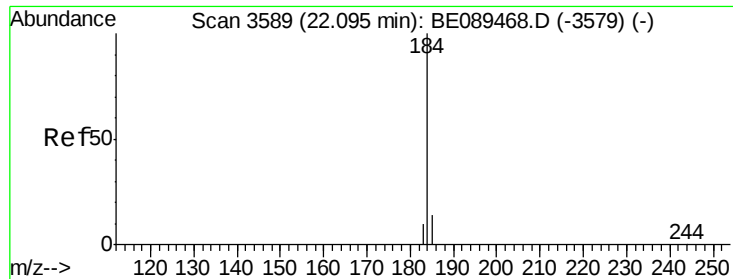
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#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: BE089467.D
 Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.2	13.8	20.6
236	25.2	20.2	30.2





#21

Benzidine

Concen: 1.45 ng

RT: 22.09 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

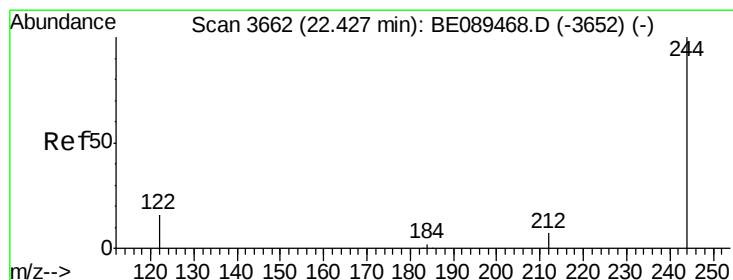
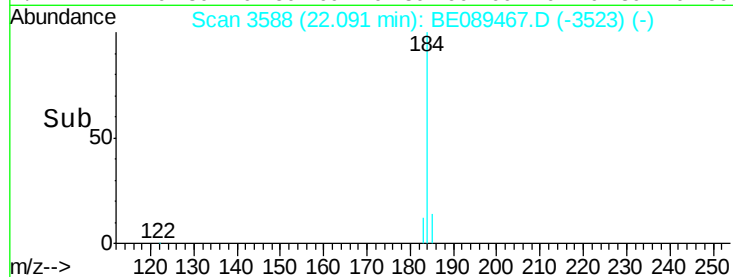
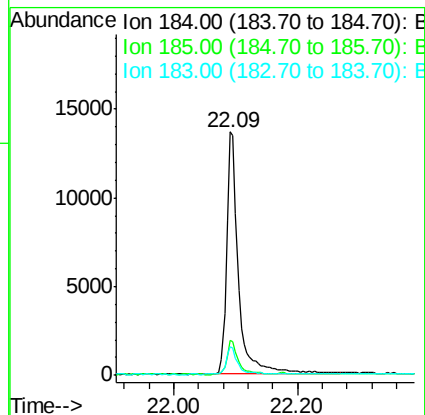
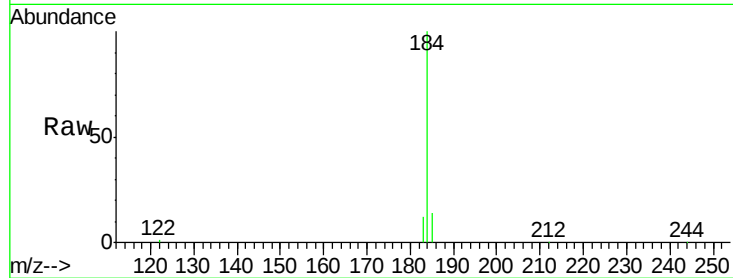
LabSampleId :

SSTDIC002

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Tgt Ion:	184	Resp:	18753
Ion Ratio	Lower	Upper	
184	100		
185	14.1	12.0	18.0
183	11.9	9.0	13.4



#22

Terphenyl-d14

Concen: 2.60 ng

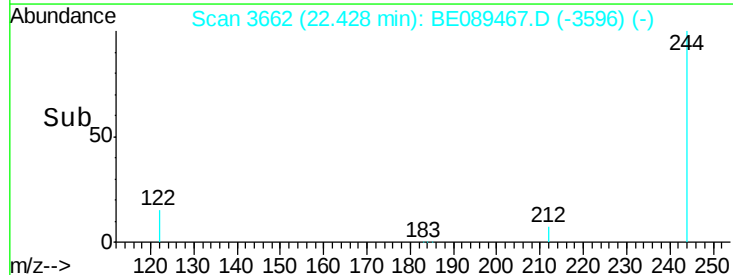
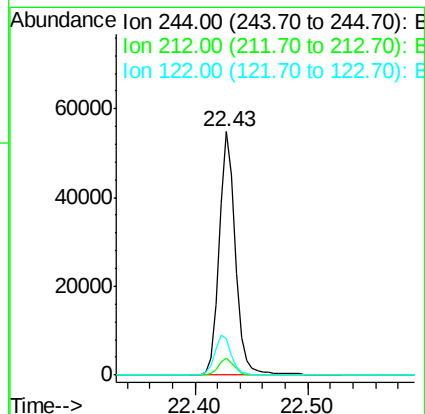
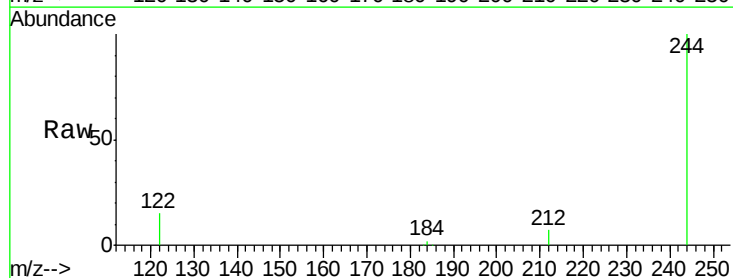
RT: 22.43 min Scan# 3662

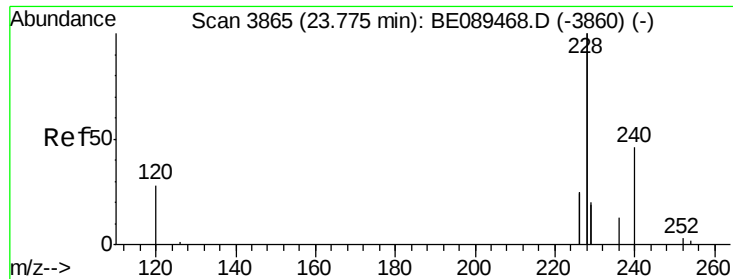
Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion:	244	Resp:	54401
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.5	8.3
122	14.7	12.6	19.0





#23

Benzo(a)anthracene

Concen: 2.29 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089467.D

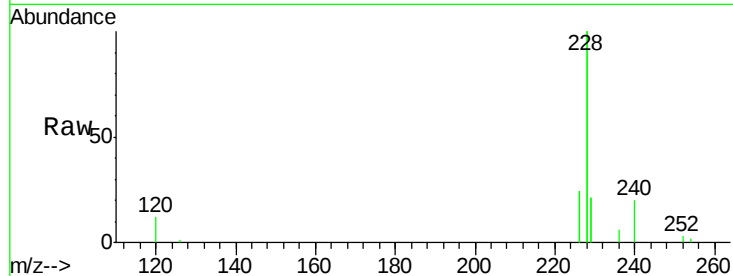
Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

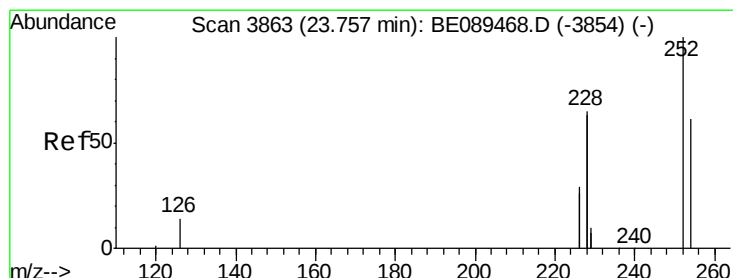
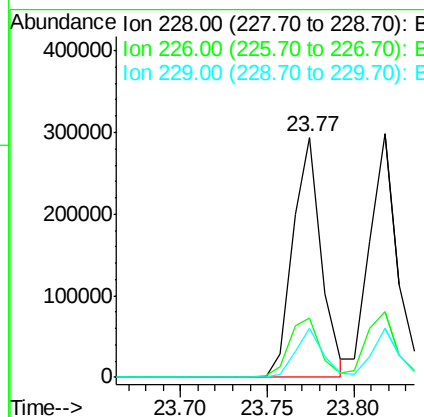
SSTDICC002



Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.5	19.6	29.4
229	20.6	15.9	23.9

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#24

3,3'-Dichlorobenzidine

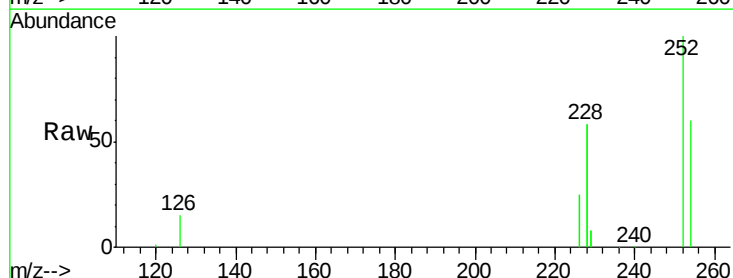
Concen: 2.29 ng

RT: 23.76 min Scan# 3862

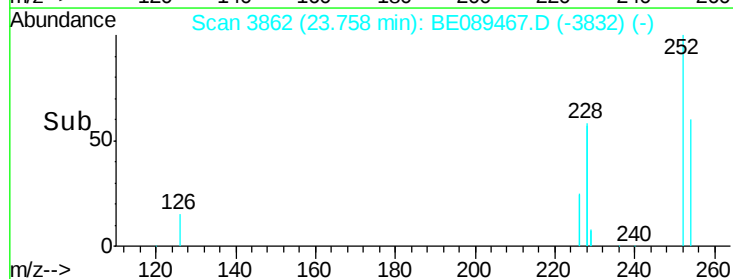
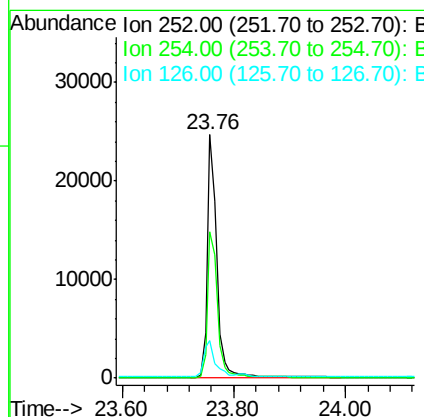
Delta R.T. 0.00 min

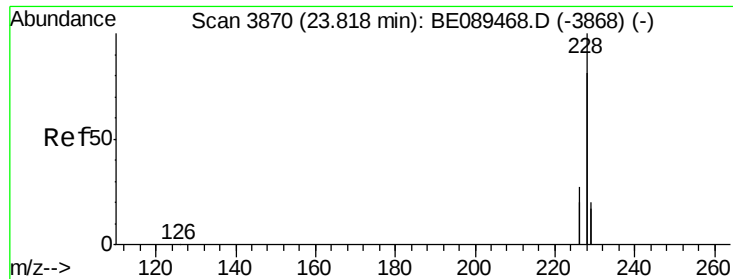
Lab File: BE089467.D

Acq: 3 Feb 2015 16:58



Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.9	48.6	73.0
126	15.3	12.4	18.6





#25

Chrysene

Concen: 2.00 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

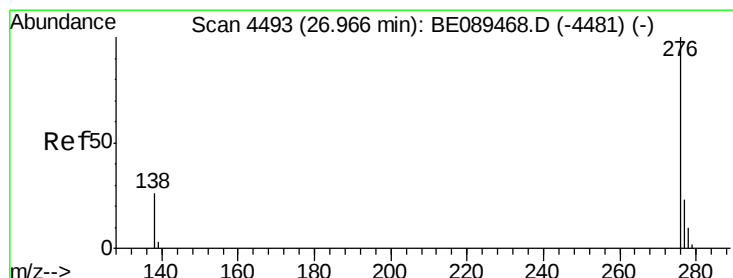
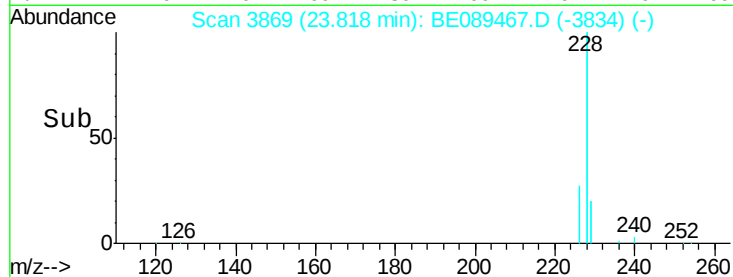
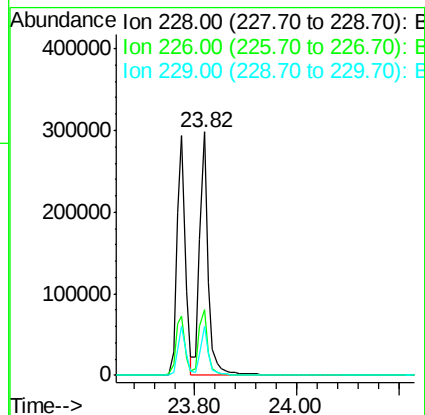
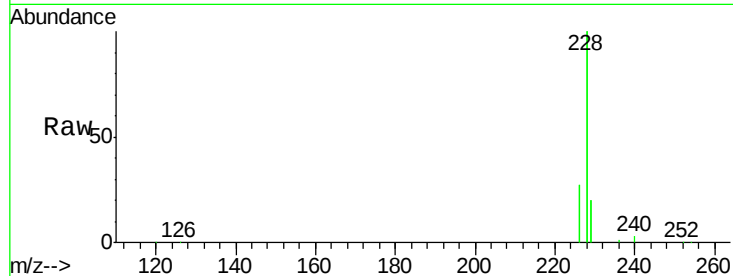
LabSampleId :

SSTDICC002

Tgt Ion:	228	Resp:	351077
Ion Ratio		Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.9	16.2	24.2

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#26

Indeno(1,2,3-cd)pyrene

Concen: 1.78 ng

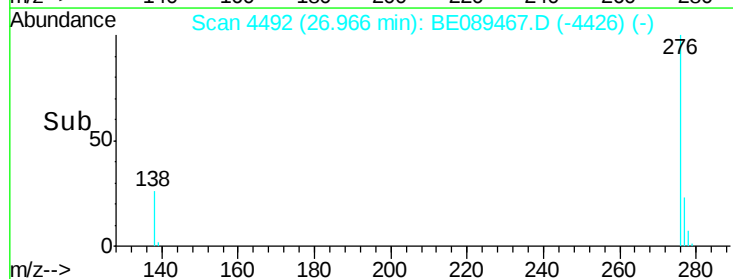
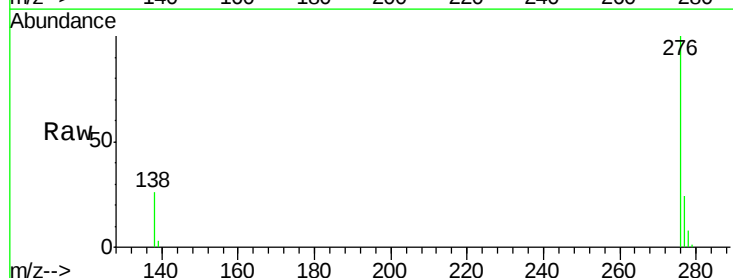
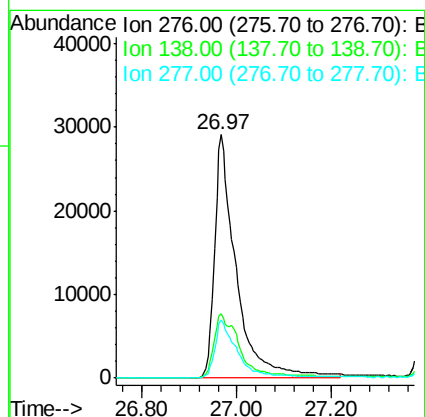
RT: 26.97 min Scan# 4492

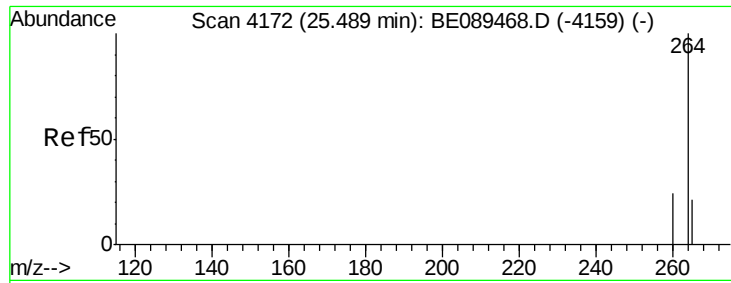
Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion:	276	Resp:	91593
Ion Ratio		Lower	Upper
276	100		
138	30.3	24.2	36.4
277	24.0	19.9	29.9





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.49 min Scan# 4171

Delta R.T. 0.00 min

Lab File: BE089467.D

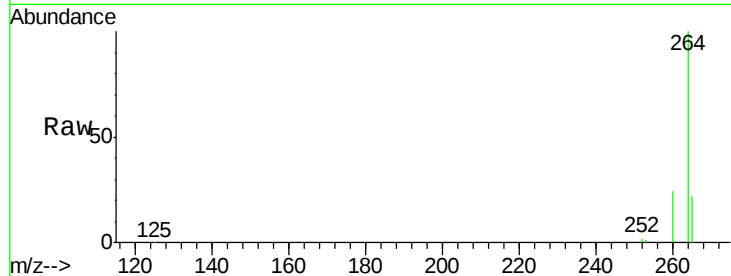
Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

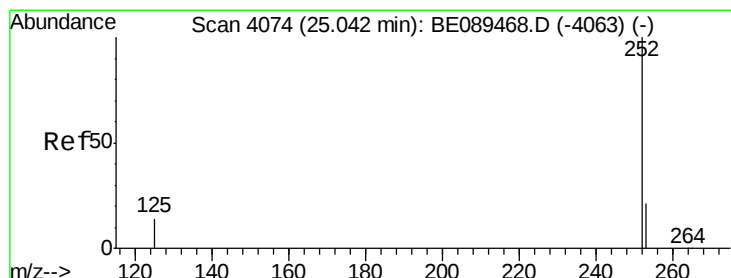
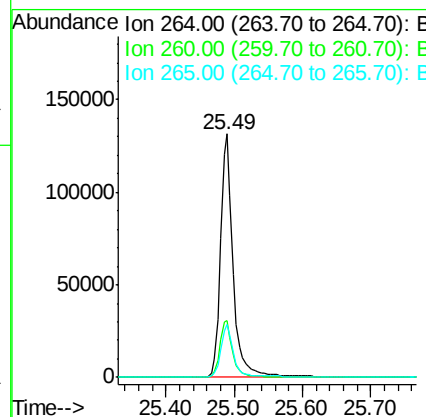
SSTDIC002



Tgt Ion:	264	Resp:	170874
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.1	28.7
265	21.6	17.0	25.6

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#28

Benzo(b)fluoranthene

Concen: 3.01 ng

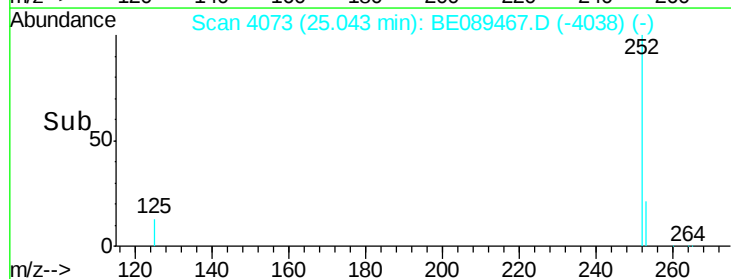
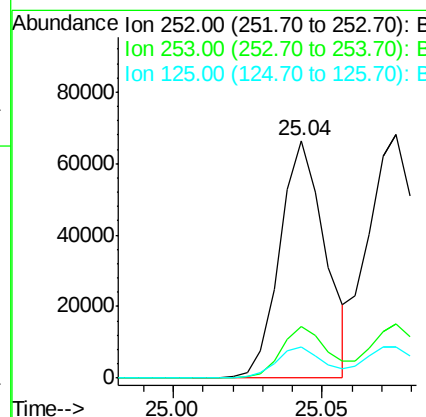
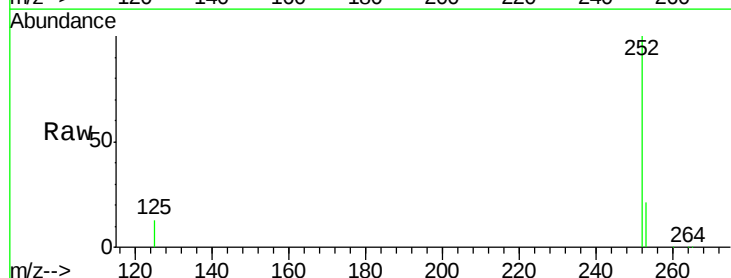
RT: 25.04 min Scan# 4073

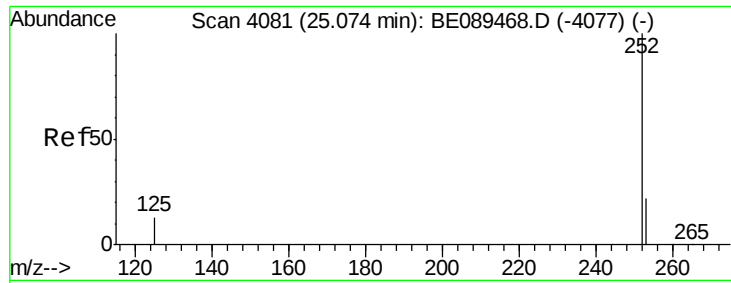
Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion:	252	Resp:	70079
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.2
125	13.2	11.3	16.9





#29

Benzo(k)fluoranthene

Concen: 2.30 ng

RT: 25.07 min Scan# 4080

Delta R.T. 0.00 min

Lab File: BE089467.D

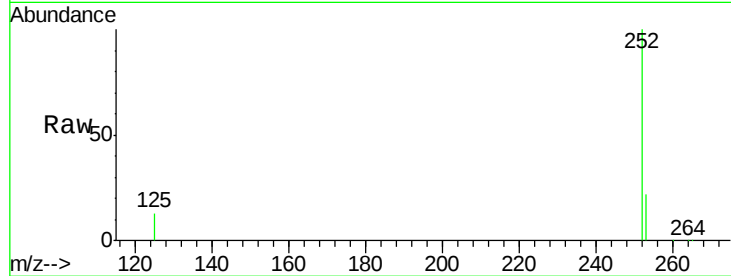
Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

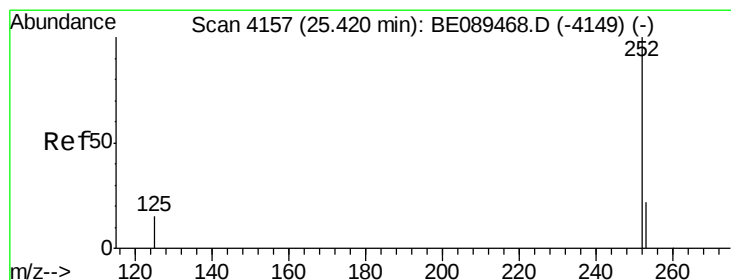
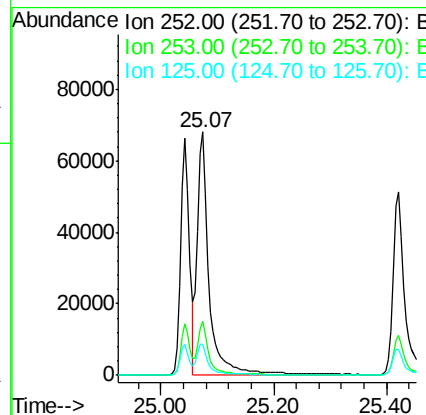
SSTDICC002



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.9	10.6	15.8

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#30

Benzo(a)pyrene

Concen: 2.70 ng

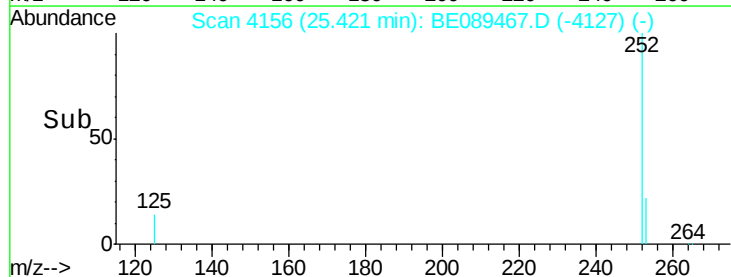
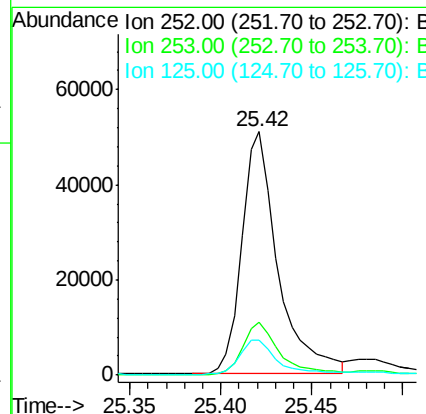
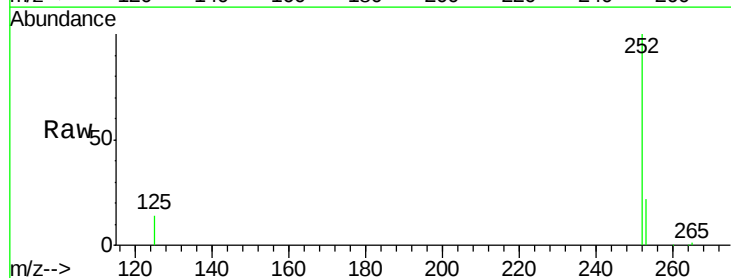
RT: 25.42 min Scan# 4156

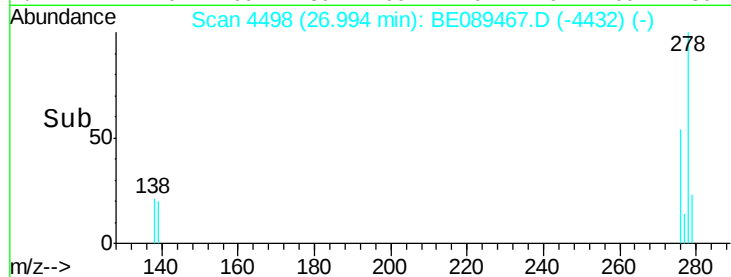
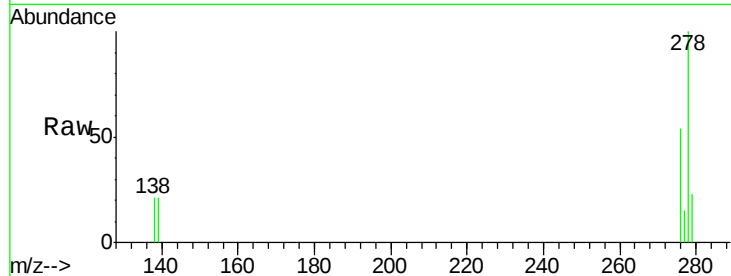
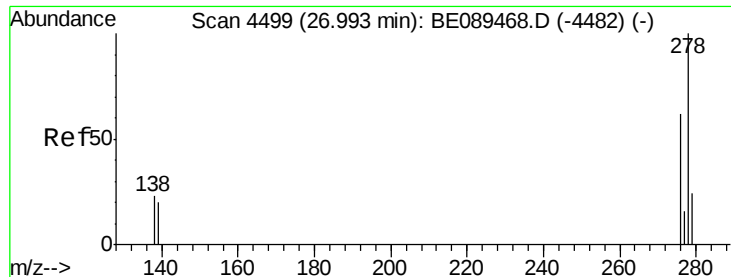
Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	14.3	12.2	18.4





#31

Dibenzo(a,h)anthracene

Concen: 2.42 ng

RT: 26.99 min Scan# 4498

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 3 Feb 2015 16:58

Instrument :

BNA_E

LabSampleId :

SSTDIC002

Tgt Ion:	278	Resp:	75914
Ion Ratio	Lower	Upper	
278	100		
139	20.8	16.8	25.2
279	23.4	19.4	29.0

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:53 PM

