

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089473.D
 Acq On : 3 Feb 2015 20:54
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020315

Manual Integrations
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Quant Time: Feb 04 01:08:08 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 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	60648	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	241986	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	103697	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	198222	5.00	ng	0.00
20) Chrysene-d12	23.78	240	194646	5.00	ng	0.00
27) Perylene-d12	25.49	264	179450	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	18967	0.97	ng	0.00
4) Phenol-d6	8.83	99	23700	0.96	ng	0.00
8) Nitrobenzene-d5	10.79	82	17704	0.97	ng	0.00
14) 2,4,6-Tribromophenol	18.51	330	3117	0.86	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	26685	0.98	ng	0.00
22) Terphenyl-d14	22.43	244	26562	0.96	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.56	42	10900	0.96	ng	# 65
5) Phenol	8.85	94	25665m	0.95	ng	
6) bis(2-Chloroethyl)ether	9.01	93	18716	0.96	ng	# 100
9) Nitrobenzene	10.83	77	20178	0.96	ng	100
10) 2,4-Dimethylphenol	11.77	122	14495	0.96	ng	100
11) 2,4-Dichlorophenol	12.15	162	10453	0.93	ng	93
12) Hexachlorobutadiene	12.81	225	7224	0.97	ng	98
16) 2,4-Dinitrophenol	16.84	184	362	0.94	ng	97
18) Hexachlorobenzene	19.17	284	10030	0.98	ng	99
19) Pentachlorophenol	19.61	266	996	0.81	ng	95
21) Benzidine	22.09	184	9331	1.04	ng	97
23) Benzo(a)anthracene	23.78	228	153674	0.89	ng	99
24) 3,3'-Dichlorobenzidine	23.76	252	11936	0.84	ng	99
25) Chrysene	23.82	228	184638	1.02	ng	99
26) Indeno(1,2,3-cd)pyrene	26.97	276	34408m	0.80	ng	
28) Benzo(b)fluoranthene	25.04	252	22825	0.72	ng	100
29) Benzo(k)fluoranthene	25.07	252	50399	1.08	ng	99
30) Benzo(a)pyrene	25.42	252	24862	0.78	ng	99
31) Dibenzo(a,h)anthracene	26.99	278	26822	0.77	ng	97

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

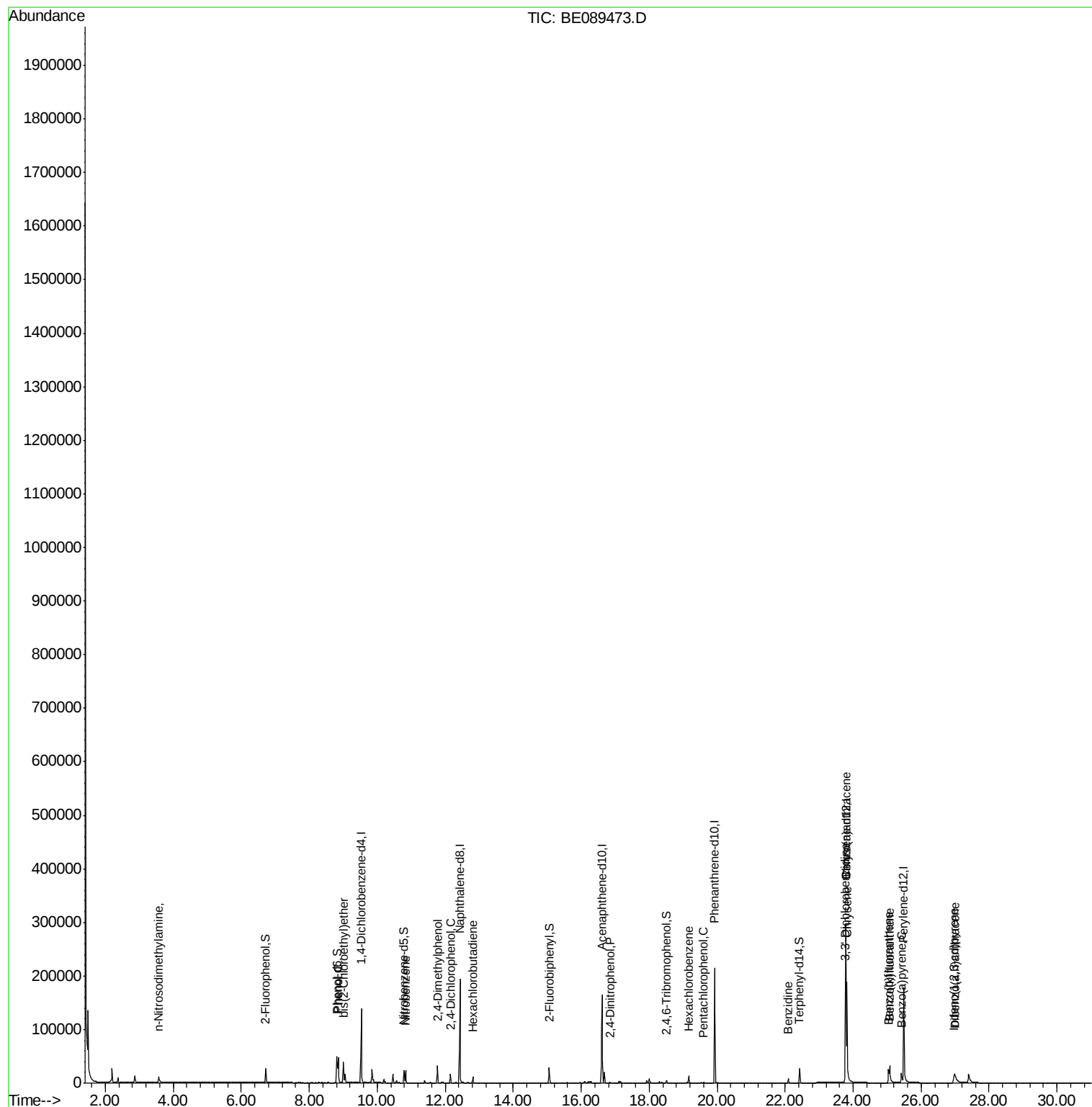
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

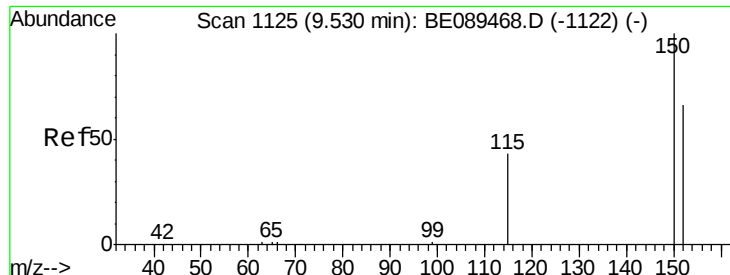
Instrument :
BNA_E
ClientSampleId :
ICVBE020315

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Quant Time: Feb 04 01:08:08 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 00:53:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089473.D

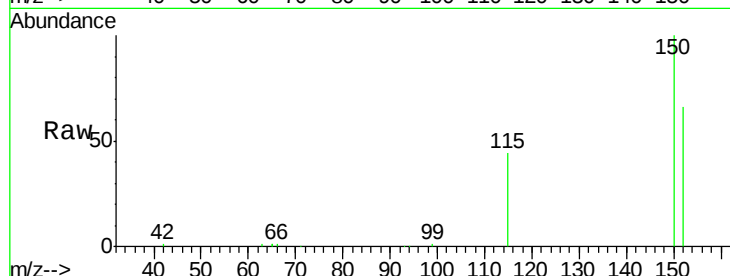
Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

ClientSampleId :

ICVBE020315



Tgt Ion:152 Resp: 60648

Ion Ratio Lower Upper

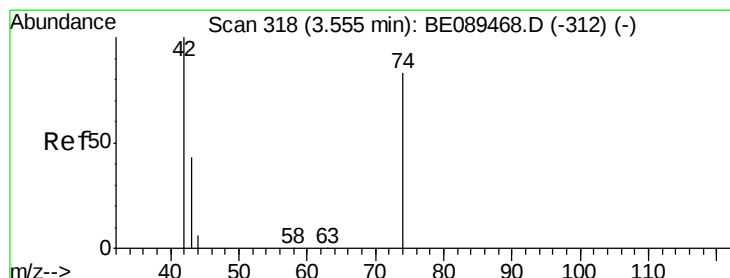
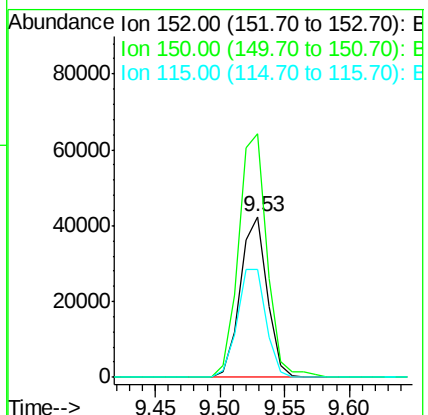
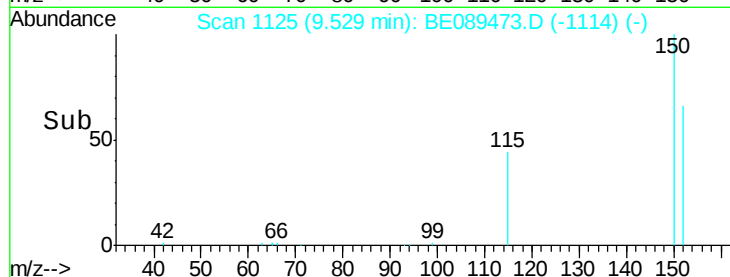
152 100

150 151.7 122.1 183.1

115 67.2 53.2 79.8

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#2

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.56 min Scan# 319

Delta R.T. 0.01 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

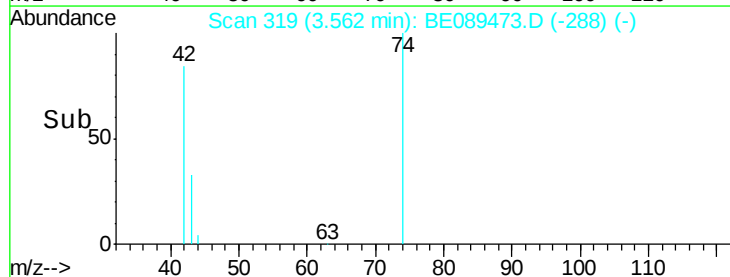
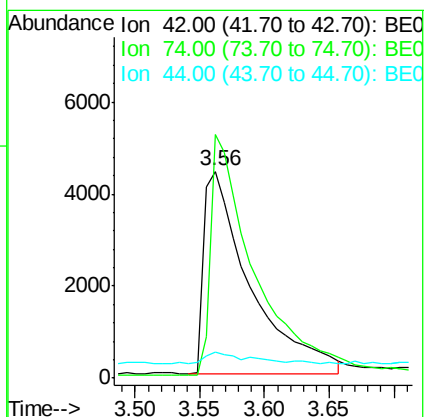
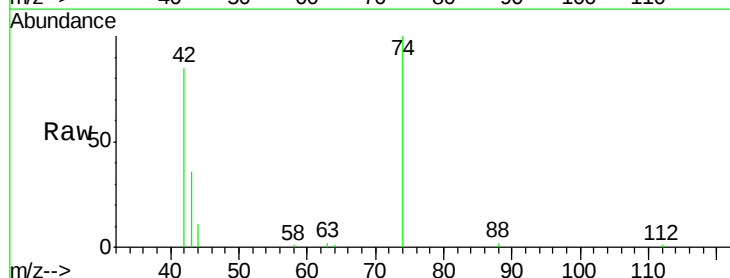
Tgt Ion: 42 Resp: 10900

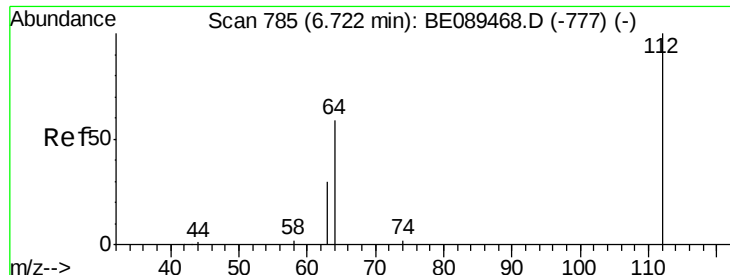
Ion Ratio Lower Upper

42 100

74 117.7 65.4 98.2#

44 12.4 11.7 17.5





#3

2-Fluorophenol

Concen: 0.97 ng

RT: 6.72 min Scan# 784

Delta R.T. -0.01 min

Lab File: BE089473.D

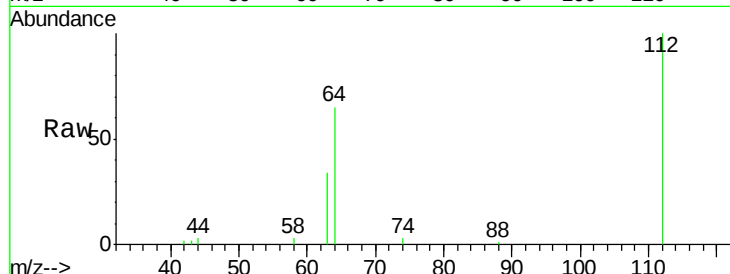
Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

ClientSampleId :

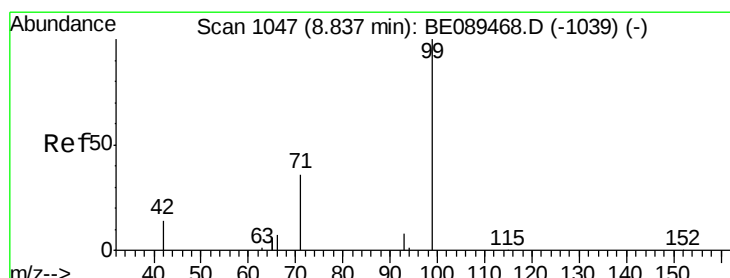
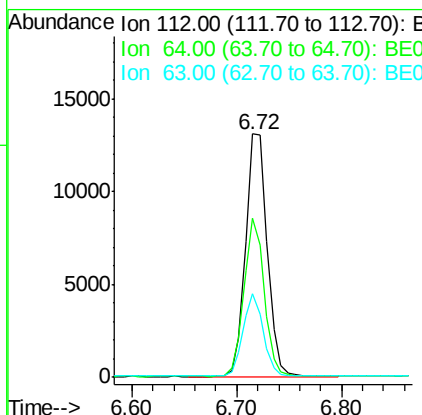
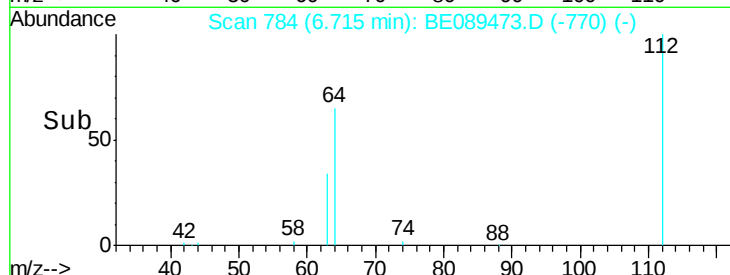
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Tgt Ion:	112	Resp:	18967
Ion Ratio	Lower	Upper	
112	100		
64	65.2	47.0	70.6
63	34.3	24.2	36.2

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#4

Phenol-d6

Concen: 0.96 ng

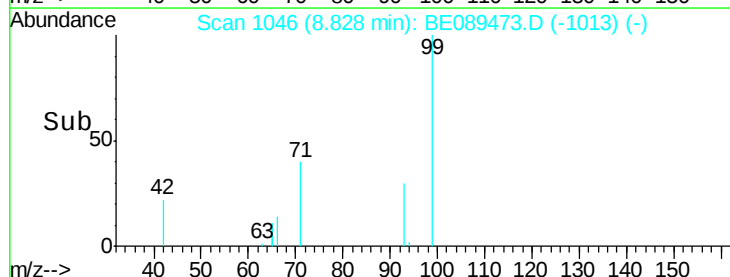
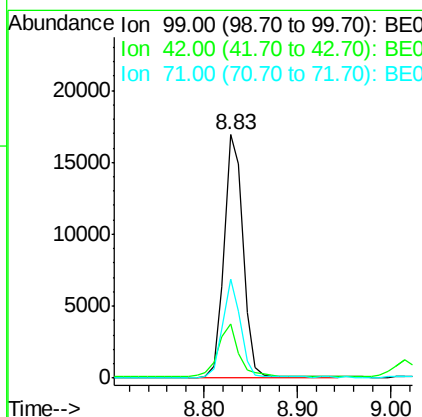
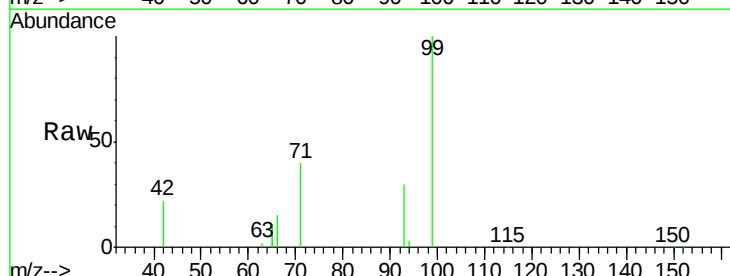
RT: 8.83 min Scan# 1046

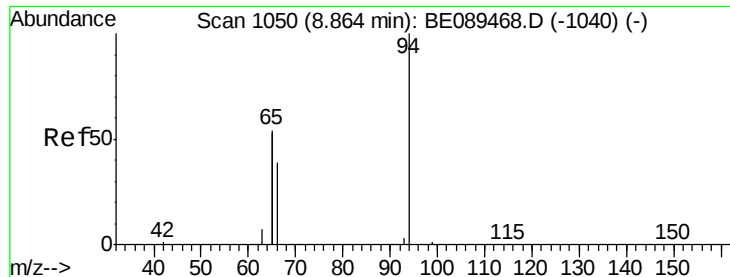
Delta R.T. -0.01 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	99	Resp:	23700
Ion Ratio	Lower	Upper	
99	100		
42	22.2	11.8	17.6#
71	40.5	28.7	43.1





#5

Phenol

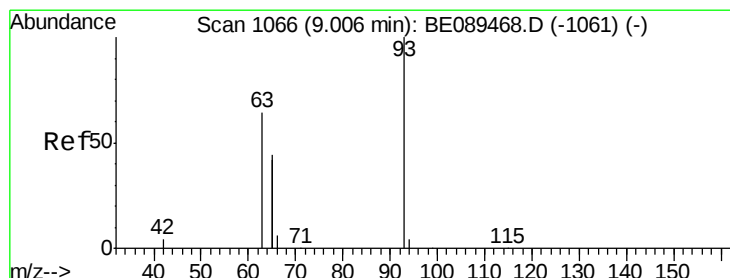
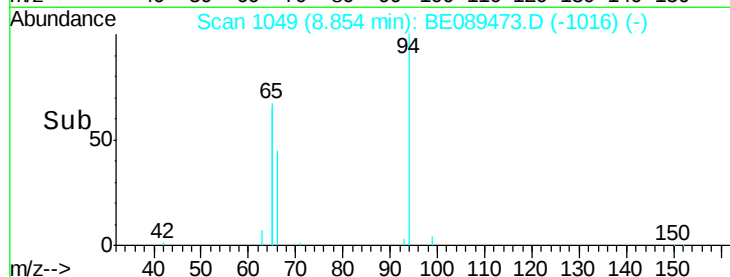
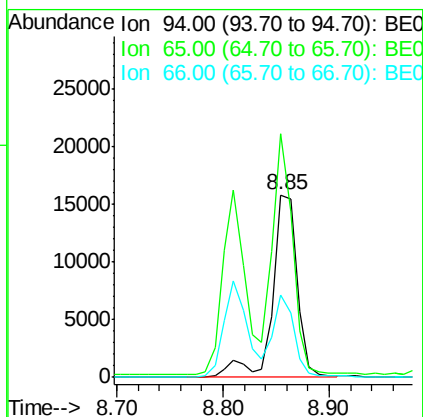
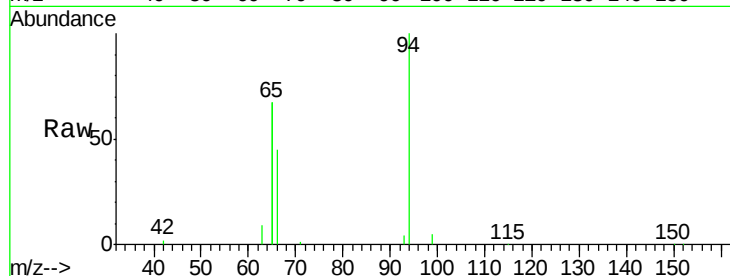
Concen: 0.95 ng m
 RT: 8.85 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020315

Tgt Ion	Ratio	Lower	Upper
94	100		
65	66.7	33.9	73.9
66	45.4	19.1	59.1

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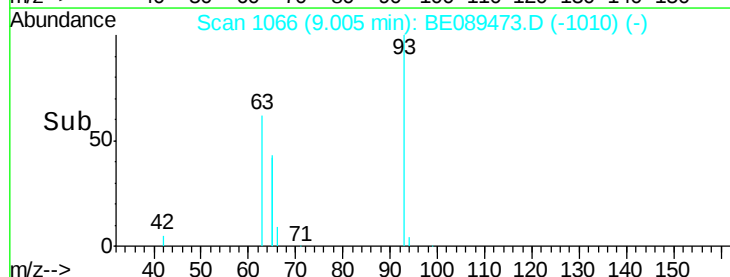
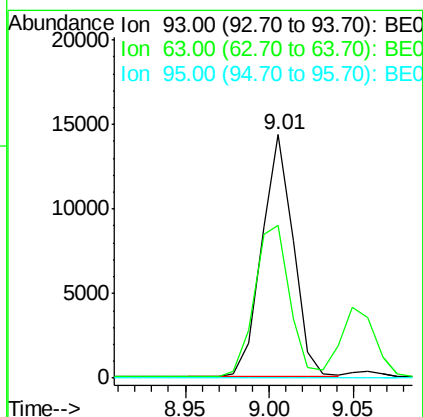
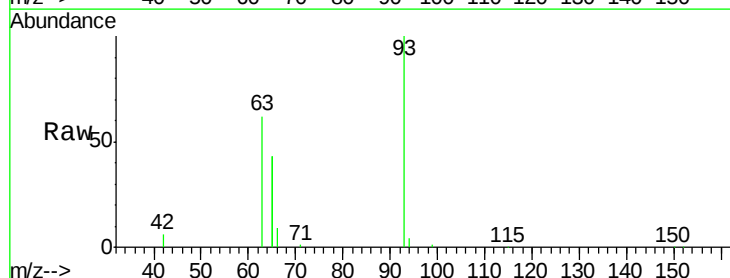


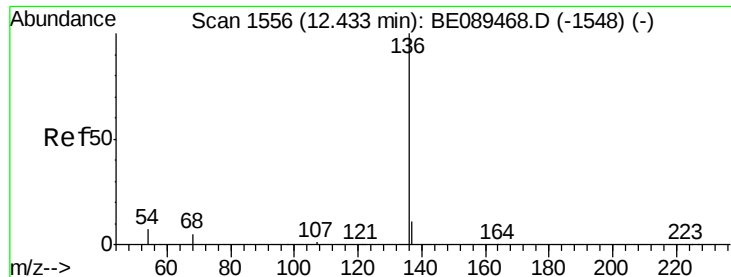
#6

bis(2-Chloroethyl)ether

Concen: 0.96 ng
 RT: 9.01 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.9	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: BE089473.D

Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

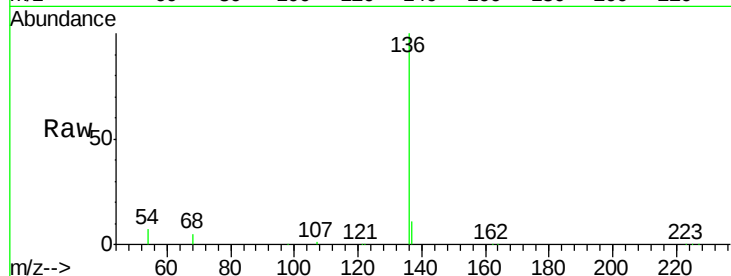
ClientSampleId :

ICVBE020315

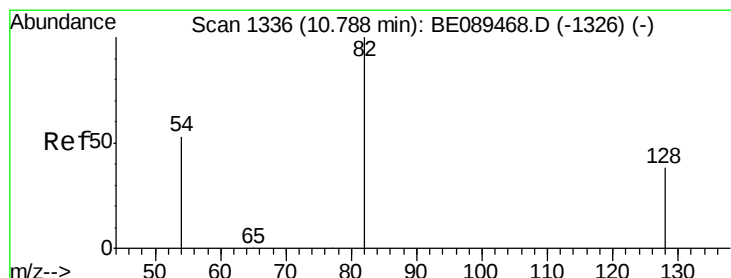
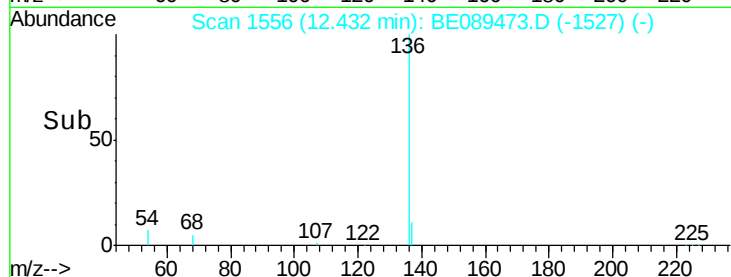
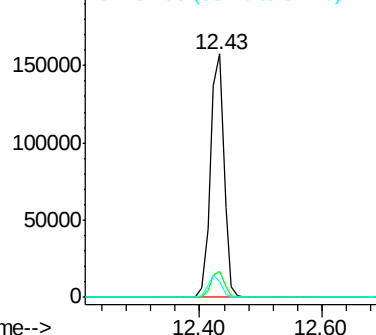
Tgt Ion:	136	Resp:	241986
Ion Ratio		Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.6	5.4	8.0

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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: 0.97 ng

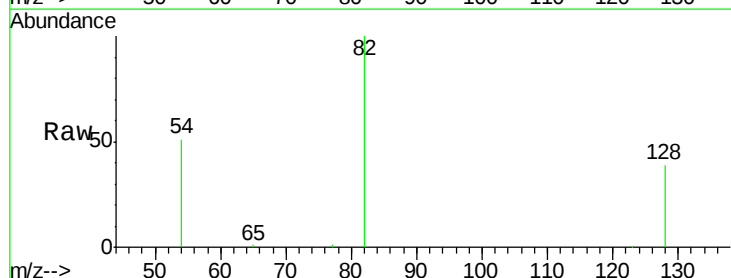
RT: 10.79 min Scan# 1336

Delta R.T. 0.00 min

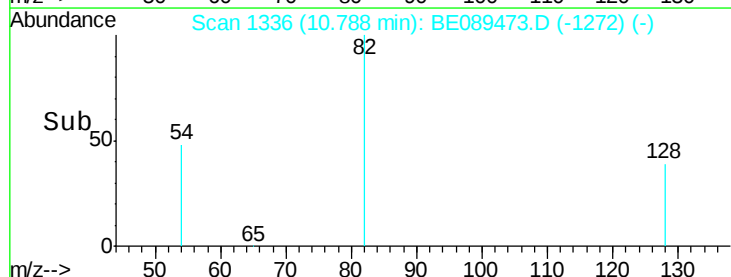
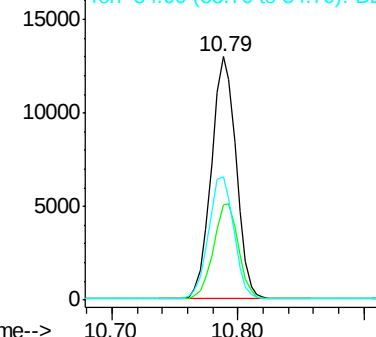
Lab File: BE089473.D

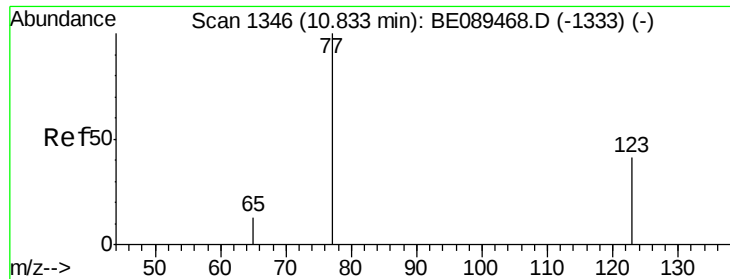
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Tgt Ion:	82	Resp:	17704
Ion Ratio		Lower	Upper
82	100		
128	39.3	30.3	45.5
54	50.5	43.1	64.7



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





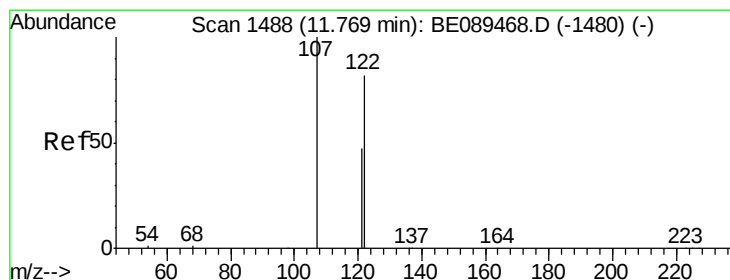
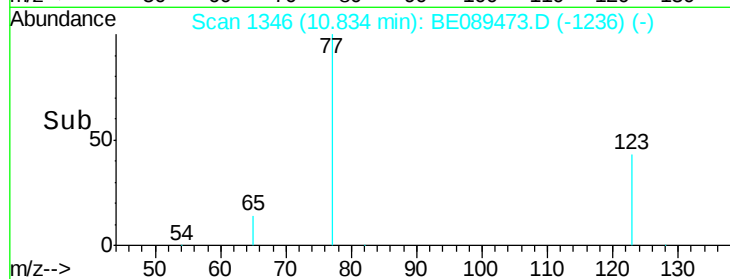
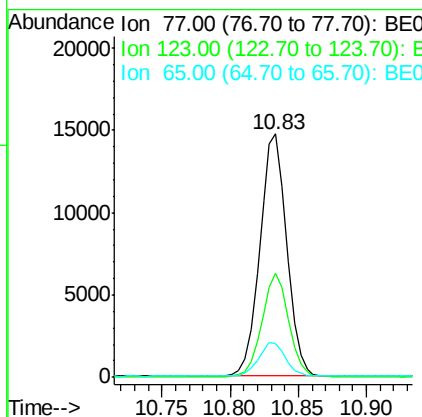
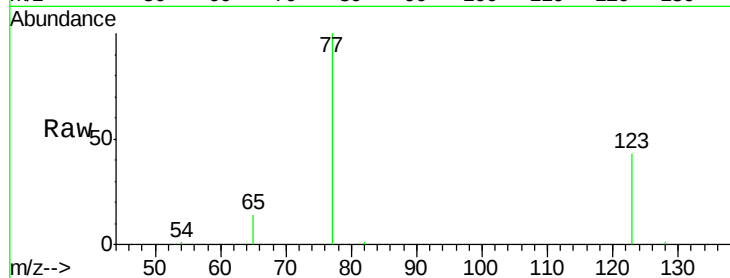
#9
 Nitrobenzene
 Concen: 0.96 ng
 RT: 10.83 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Instrument :
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 ClientSampleId :
 ICVBE020315

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.8	33.4	50.0
65	14.1	10.9	16.3

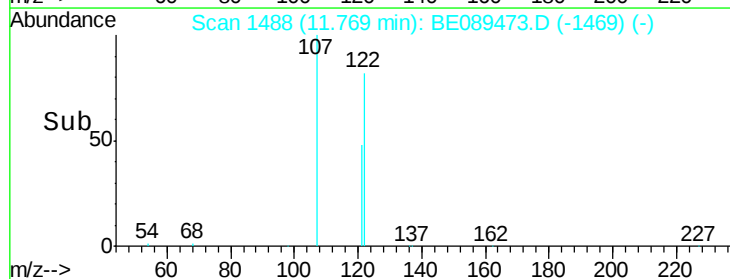
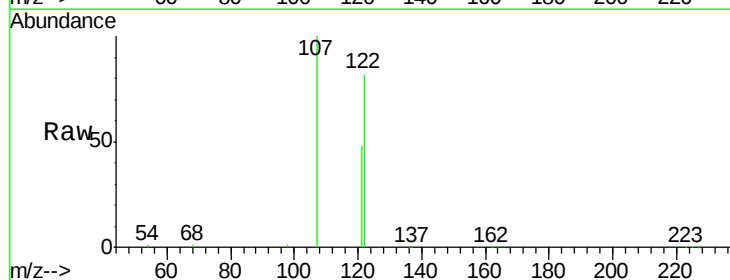
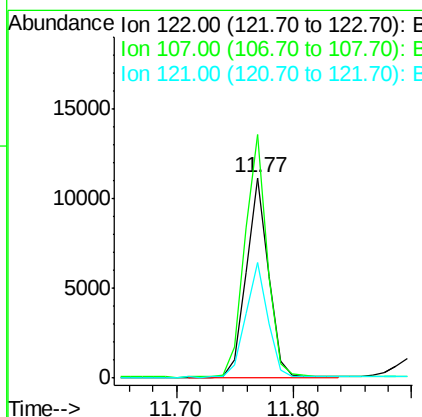
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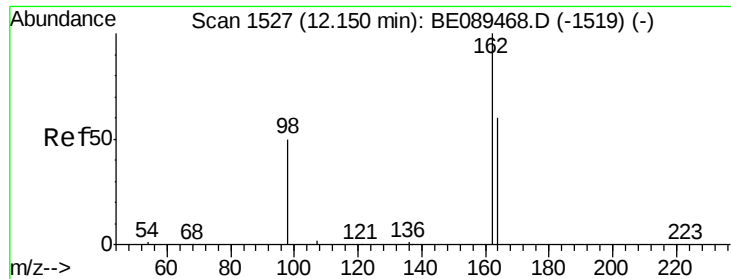
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#10
 2,4-Dimethylphenol
 Concen: 0.96 ng
 RT: 11.77 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Tgt Ion	Ratio	Lower	Upper
122	100		
107	121.4	97.3	145.9
121	57.9	46.4	69.6





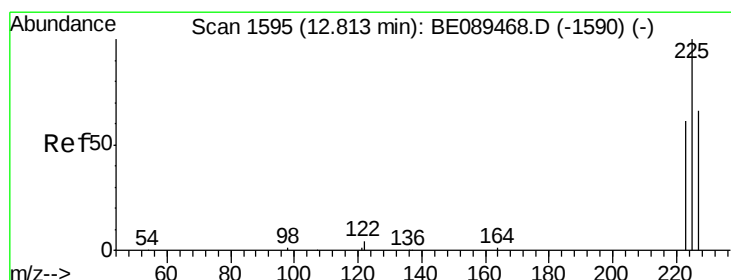
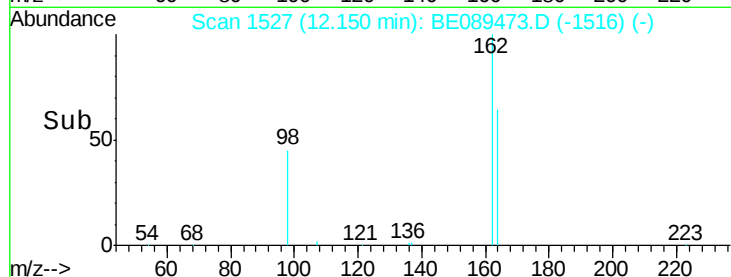
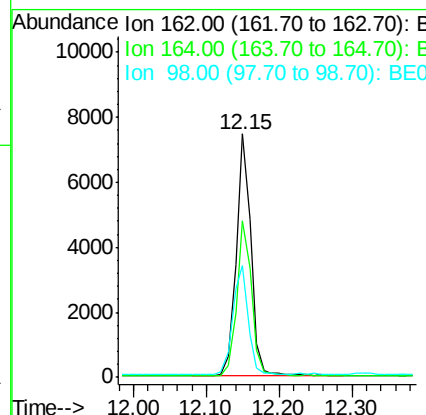
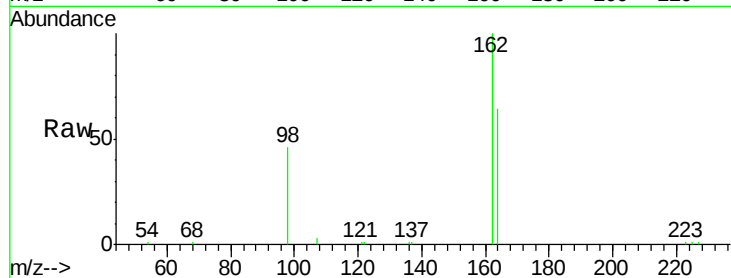
#11
 2,4-Dichlorophenol
 Concen: 0.93 ng
 RT: 12.15 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020315

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	10453		
164	64.1	39.9	79.9	
98	46.0	31.3	71.3	

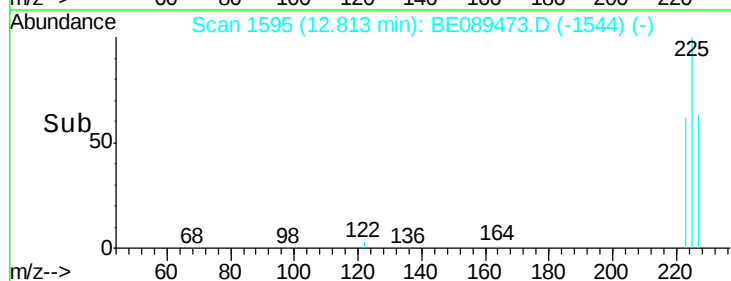
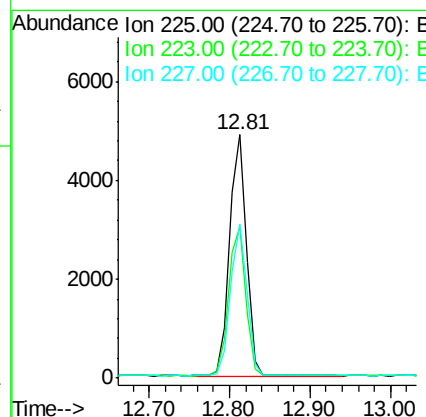
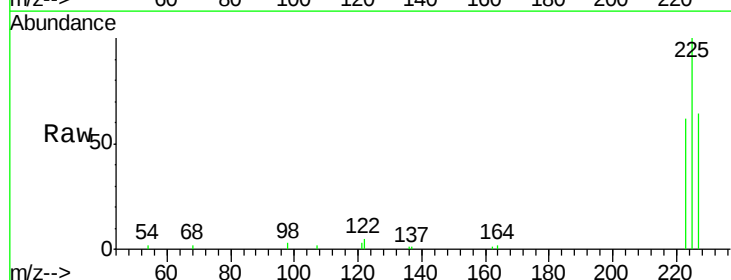
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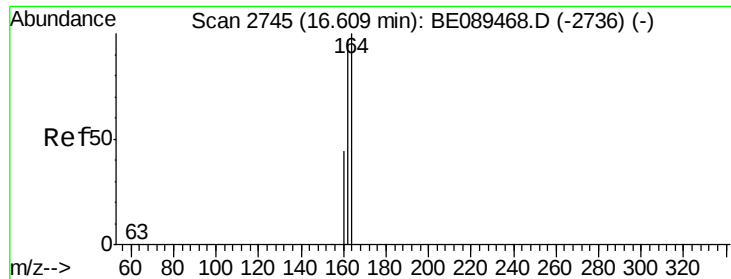
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#12
 Hexachlorobutadiene
 Concen: 0.97 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7224		
223	62.8	49.4	74.0	
227	61.9	51.2	76.8	





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.61 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

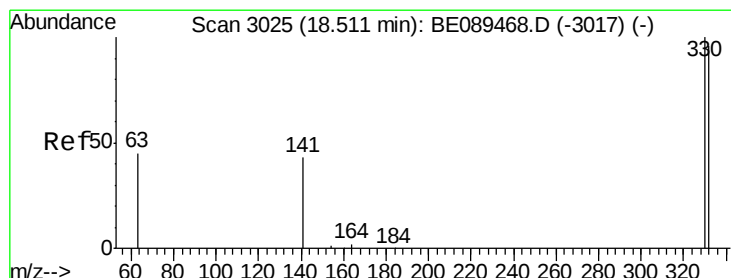
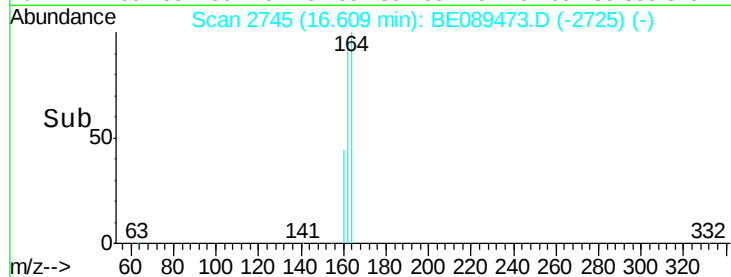
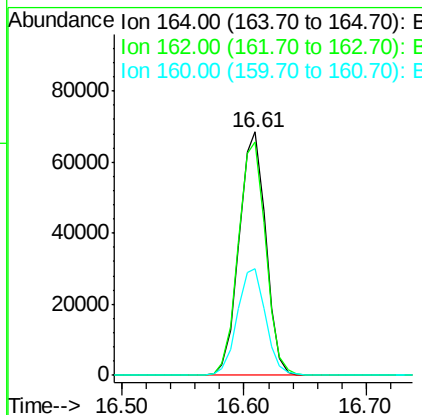
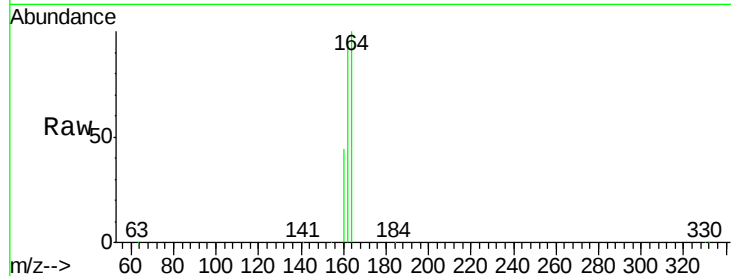
ClientSampleId :

ICVBE020315

Tgt Ion:	164	Resp:	103697
Ion Ratio	Lower	Upper	
164	100		
162	95.9	77.6	116.4
160	44.1	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 0.86 ng

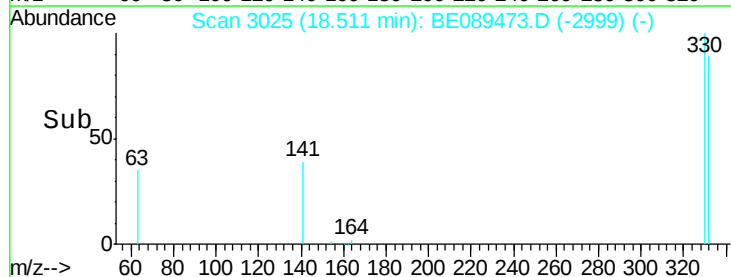
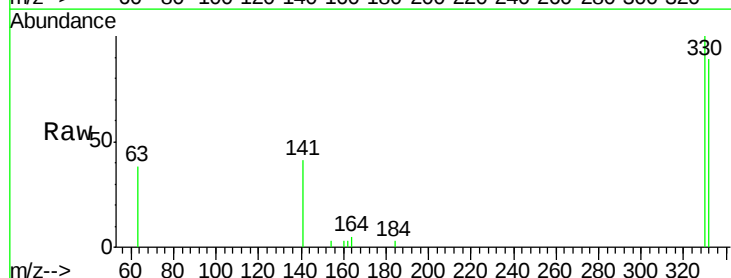
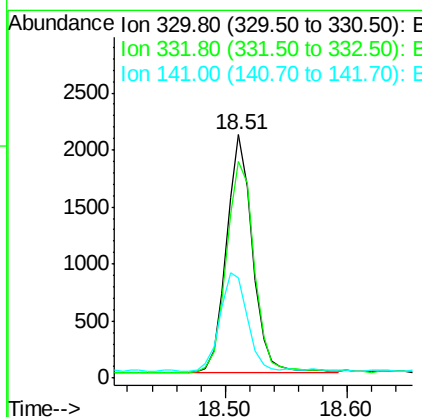
RT: 18.51 min Scan# 3025

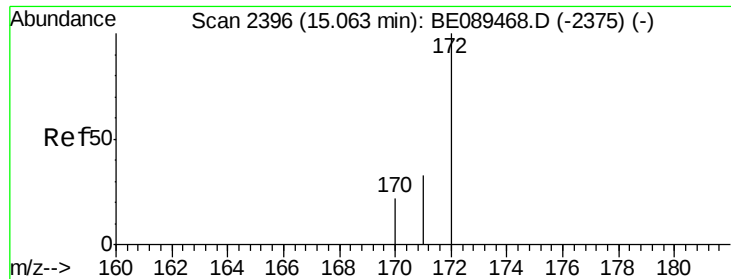
Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	330	Resp:	3117
Ion Ratio	Lower	Upper	
330	100		
332	95.5	78.0	117.0
141	42.8	33.8	50.6





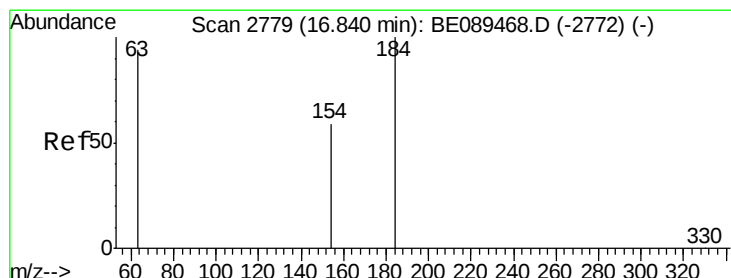
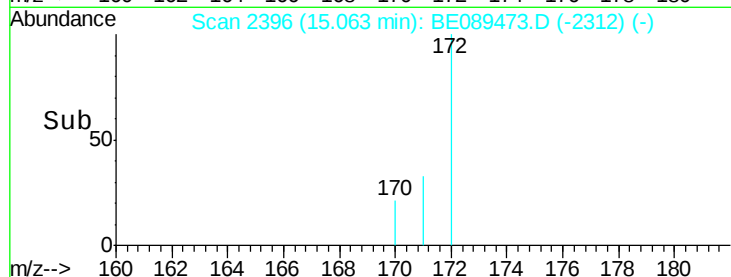
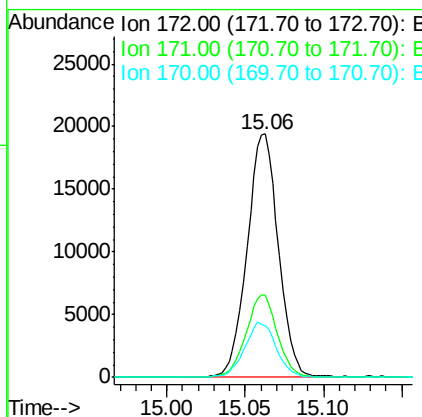
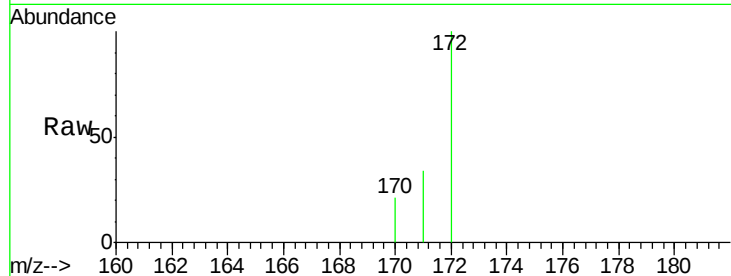
#15
2-Fluorobiphenyl
Concen: 0.98 ng
RT: 15.06 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BE089473.D
Acq: 3 Feb 2015 20:54

Instrument :
BNA_E
ClientSampleId :
ICVBE020315

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.8	40.2
170	21.4	17.7	26.5

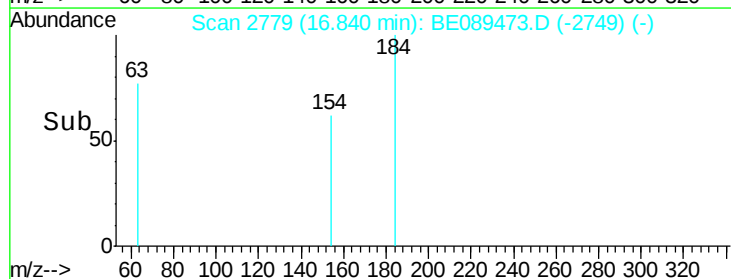
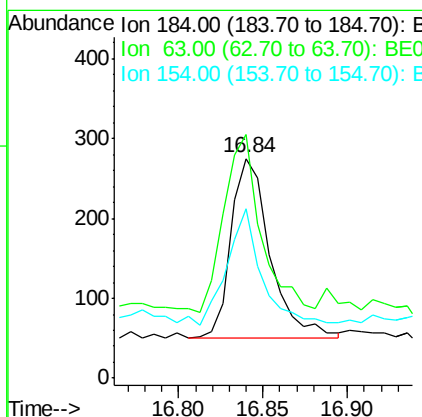
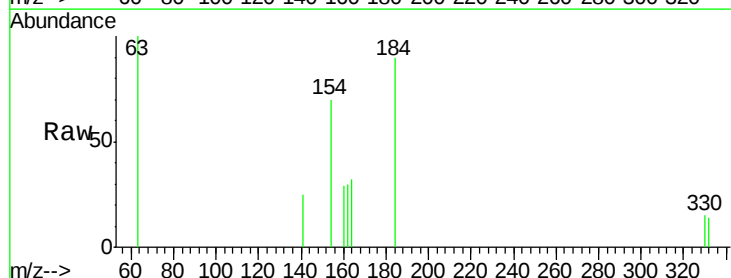
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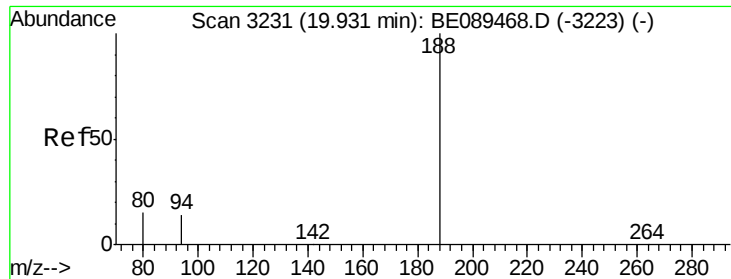
apatel
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#16
2,4-Dinitrophenol
Concen: 0.94 ng
RT: 16.84 min Scan# 2779
Delta R.T. 0.00 min
Lab File: BE089473.D
Acq: 3 Feb 2015 20:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	110.9	92.1	138.1
154	77.5	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: BE089473.D

Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

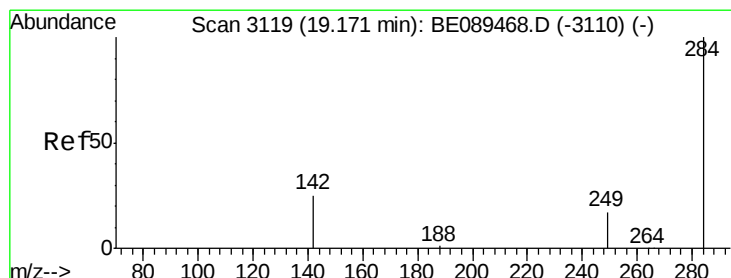
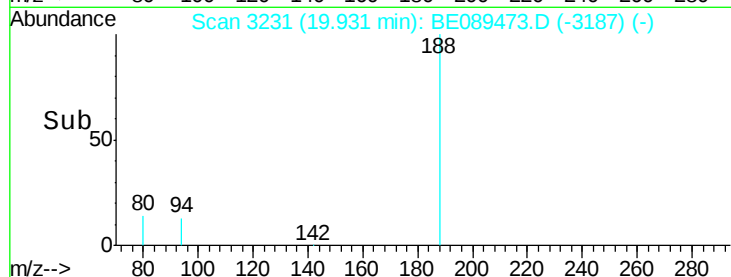
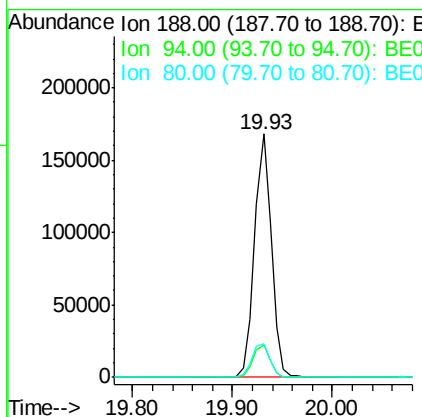
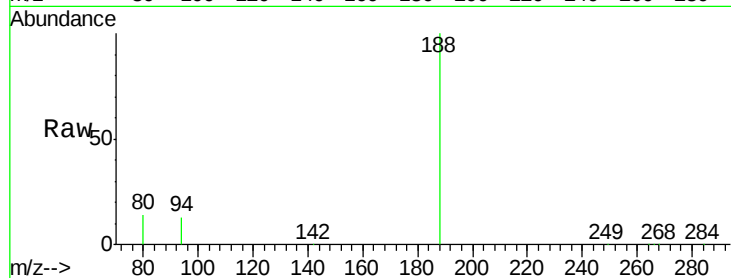
ClientSampleId :

ICVBE020315

Tgt Ion:	188	Resp:	198222
Ion Ratio	Lower	Upper	
188	100		
94	13.5	11.1	16.7
80	14.1	11.8	17.6

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#18

Hexachlorobenzene

Concen: 0.98 ng

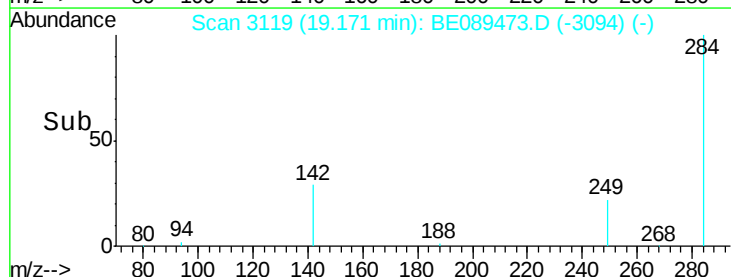
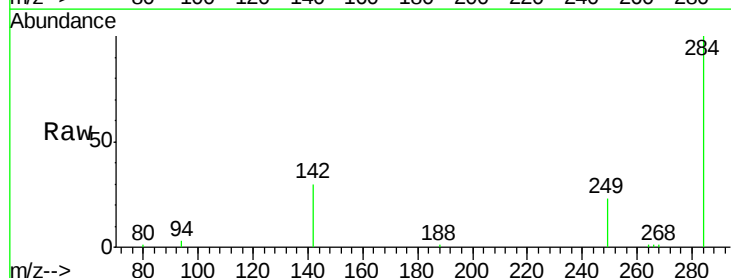
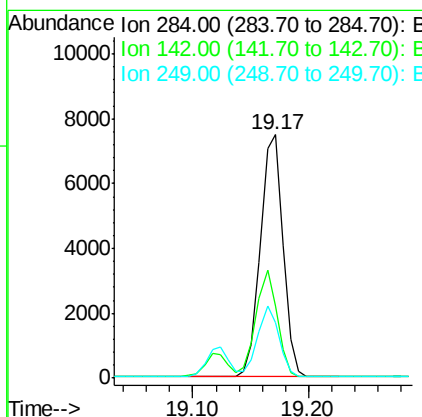
RT: 19.17 min Scan# 3119

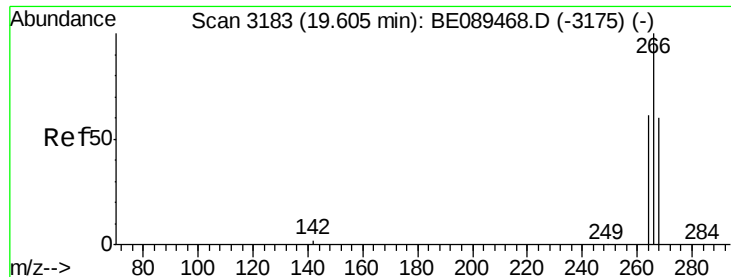
Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	284	Resp:	10030
Ion Ratio	Lower	Upper	
284	100		
142	29.8	24.4	36.6
249	22.8	18.2	27.2





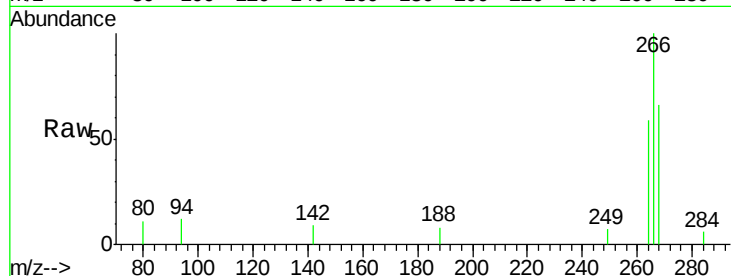
#19
 Pentachlorophenol
 Concen: 0.81 ng
 RT: 19.61 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020315

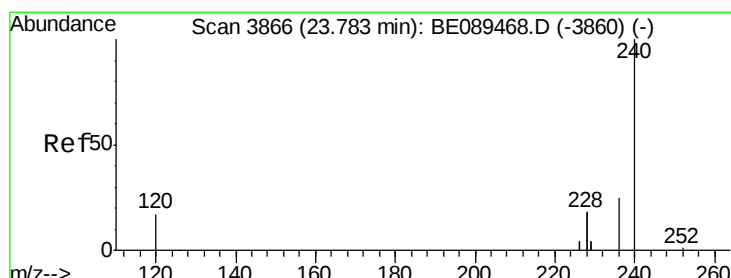
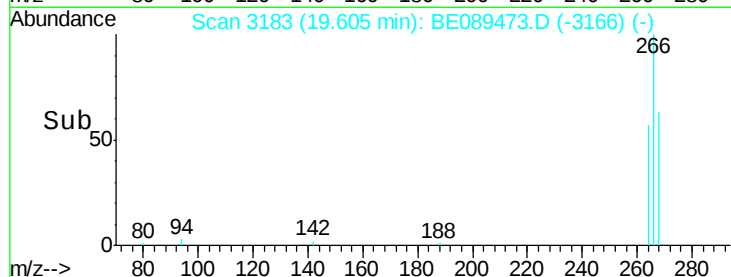
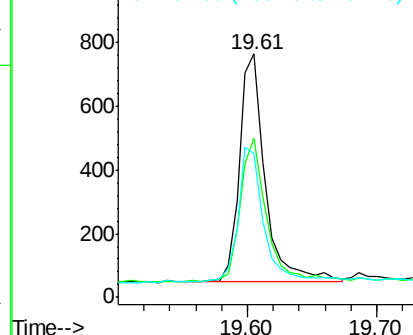
Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.6	50.0	75.0
264	59.2	50.6	75.8

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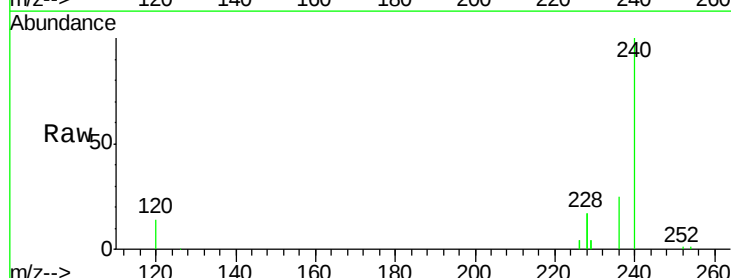


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

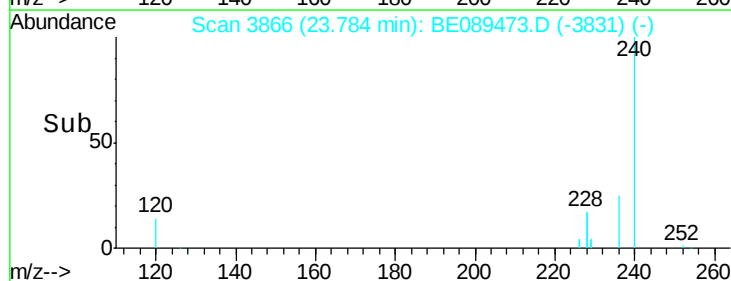
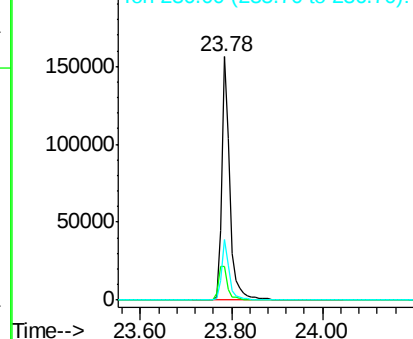


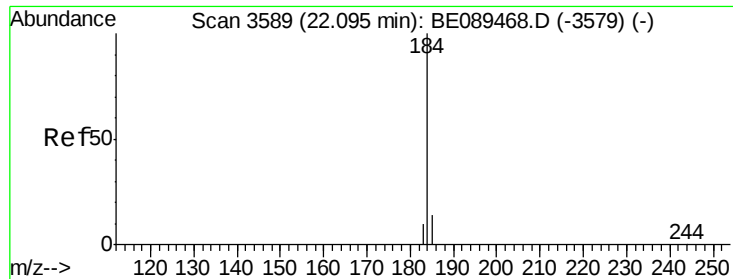
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	13.8	20.6
236	25.0	20.2	30.2



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: 1.04 ng

RT: 22.09 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

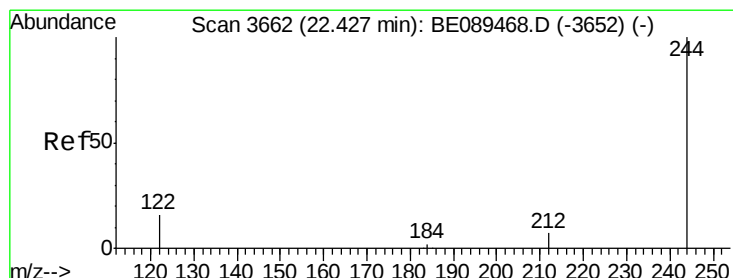
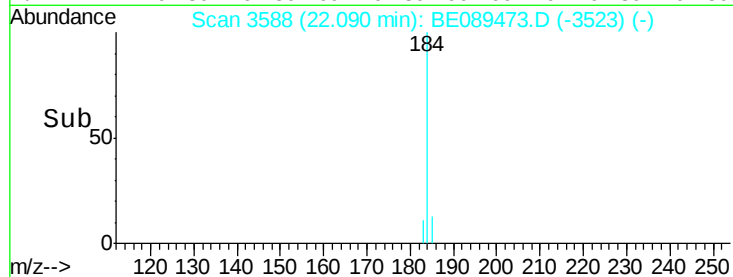
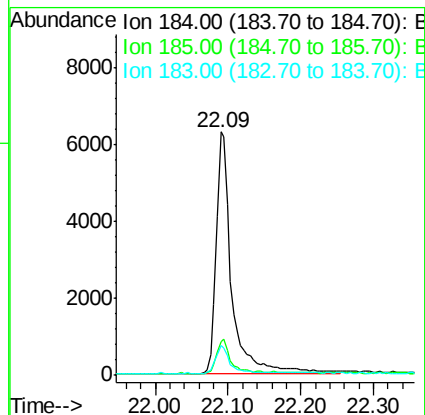
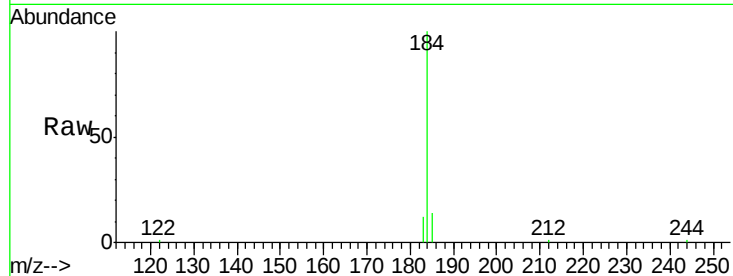
ClientSampleId :

ICVBE020315

Tgt Ion:	184	Resp:	9331
Ion Ratio	Lower	Upper	
184	100		
185	14.0	12.0	18.0
183	12.2	9.0	13.4

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#22

Terphenyl-d14

Concen: 0.96 ng

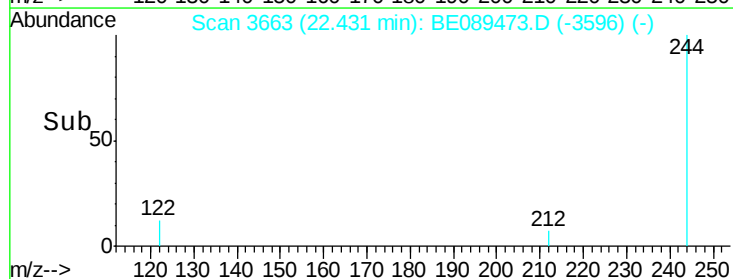
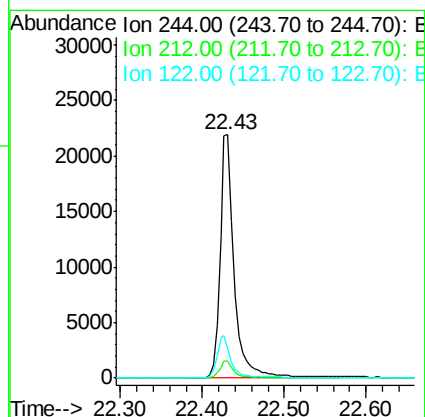
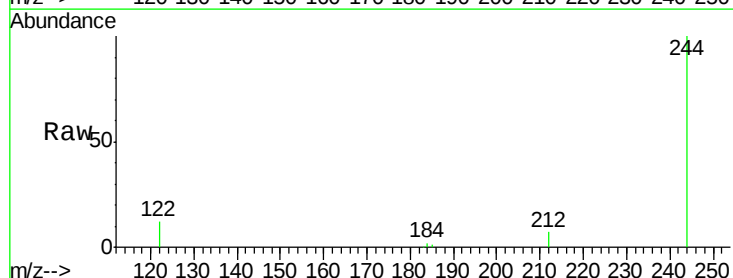
RT: 22.43 min Scan# 3663

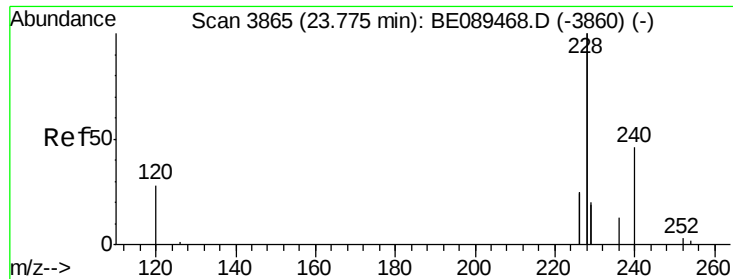
Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	244	Resp:	26562
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.5	8.3
122	12.2	12.6	19.0





#23

Benzo(a)anthracene

Concen: 0.89 ng

RT: 23.78 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

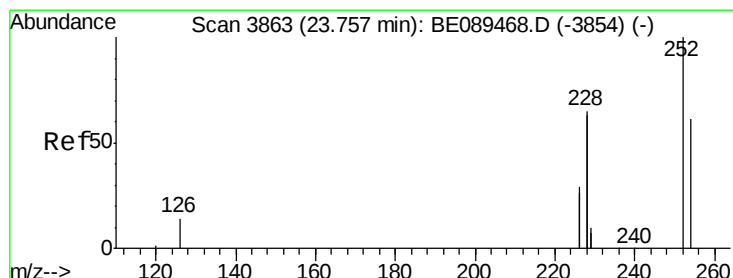
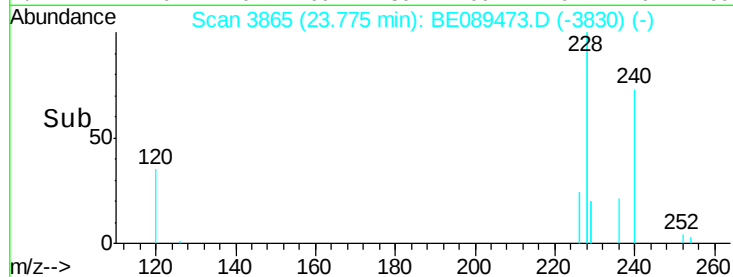
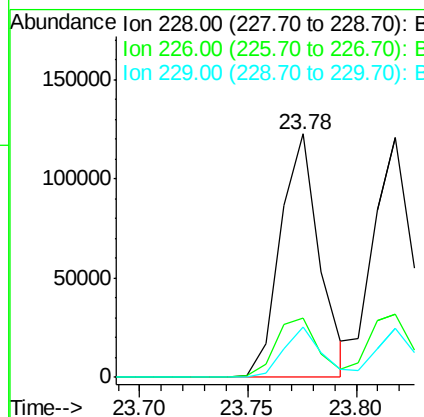
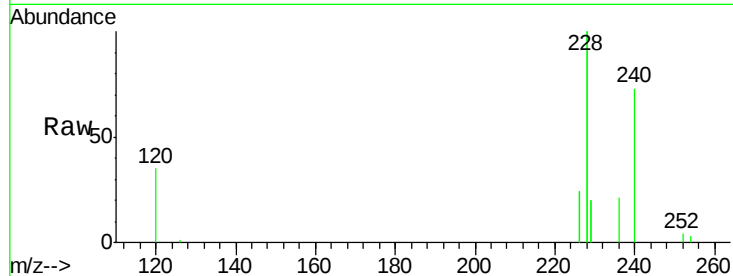
ClientSampleId :

ICVBE020315

Tgt Ion:	228	Resp:	153674
Ion Ratio	Lower	Upper	
228	100		
226	24.3	19.6	29.4
229	20.5	15.9	23.9

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#24

3,3'-Dichlorobenzidine

Concen: 0.84 ng

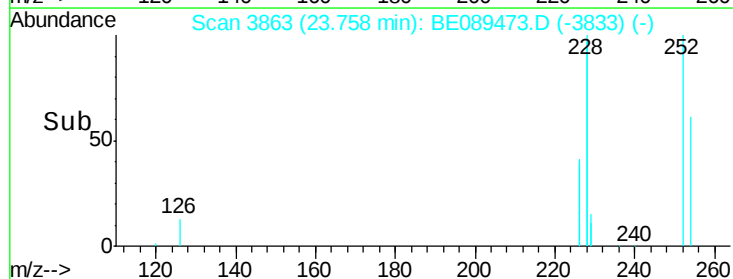
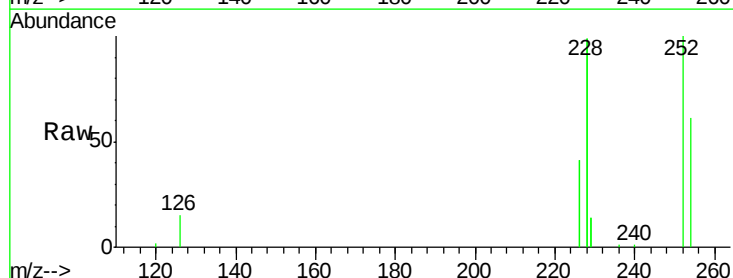
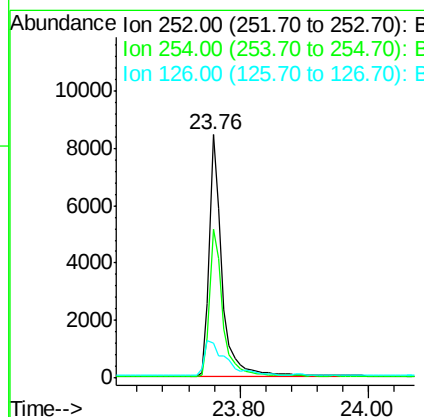
RT: 23.76 min Scan# 3863

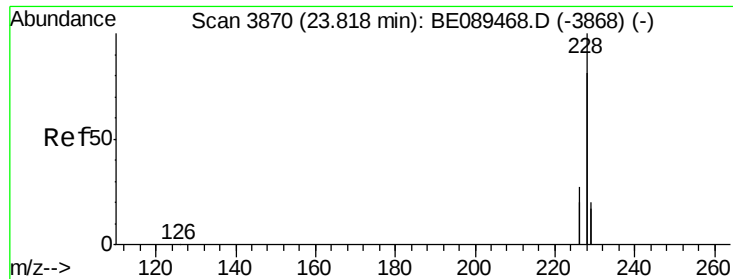
Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	252	Resp:	11936
Ion Ratio	Lower	Upper	
252	100		
254	61.4	48.6	73.0
126	14.5	12.4	18.6





#25

Chrysene

Concen: 1.02 ng

RT: 23.82 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

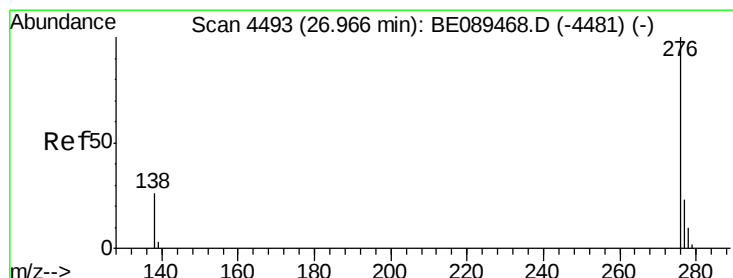
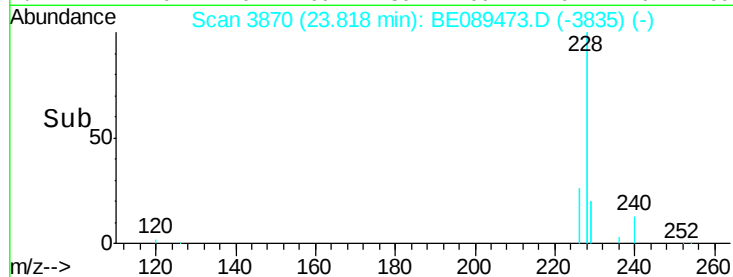
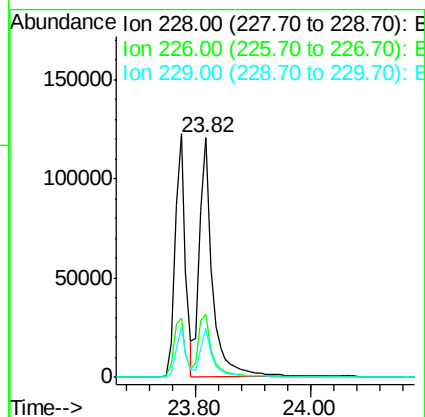
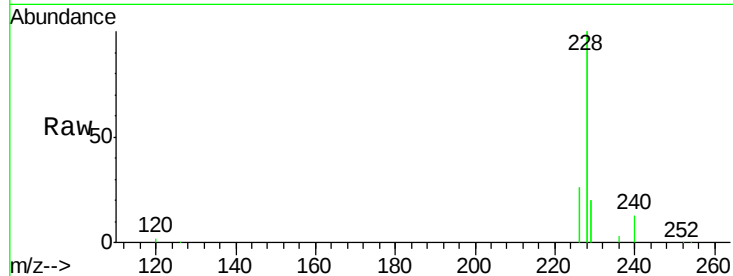
ClientSampleId :

ICVBE020315

Tgt Ion:	228	Resp:	184638
Ion Ratio		Lower	Upper
228	100		
226	26.3	21.8	32.8
229	20.5	16.2	24.2

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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.80 ng m

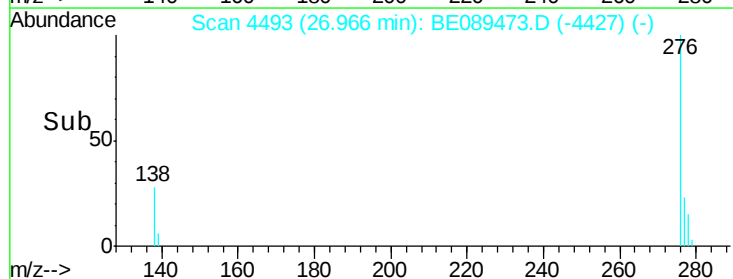
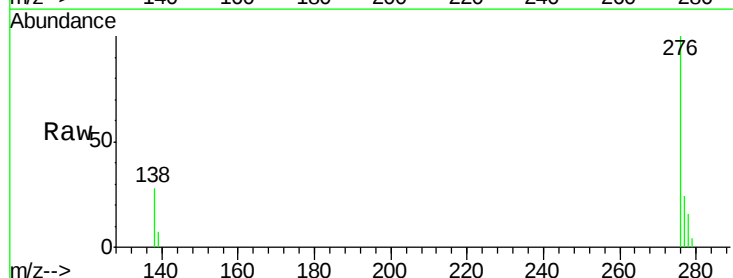
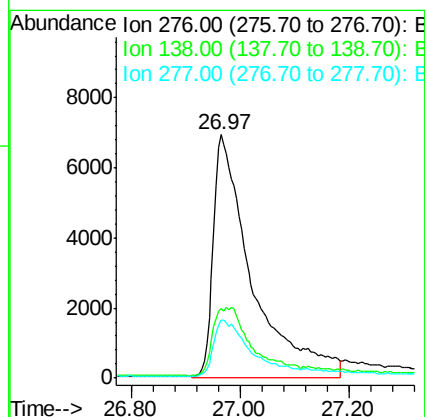
RT: 26.97 min Scan# 4493

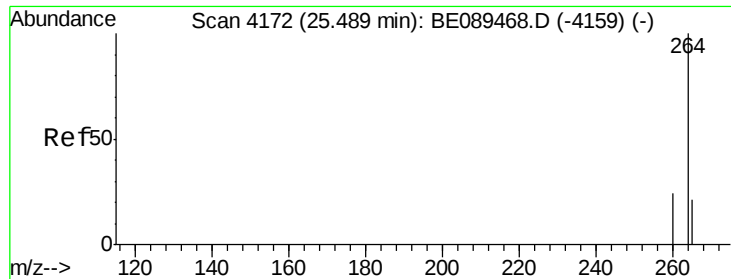
Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	276	Resp:	34408
Ion Ratio		Lower	Upper
276	100		
138	28.7	24.2	36.4
277	22.0	19.9	29.9





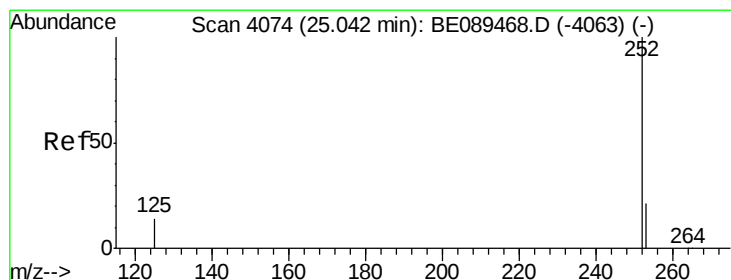
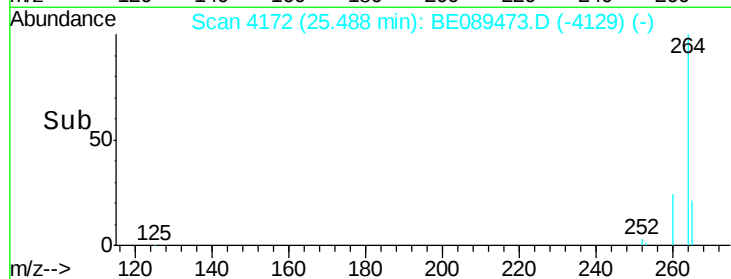
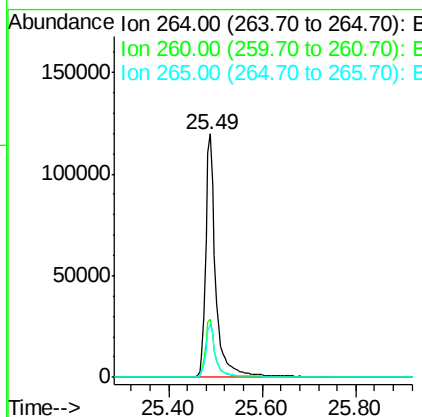
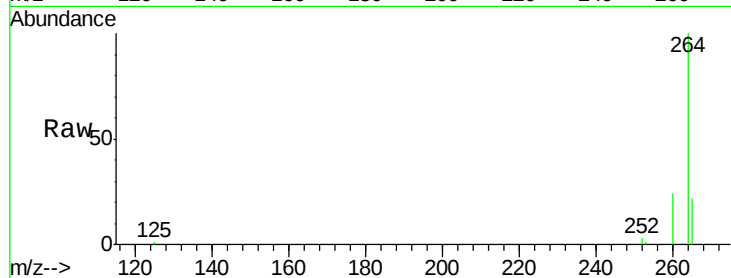
#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. -0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020315

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	179450		
260	23.6	19.1	28.7	
265	21.7	17.0	25.6	

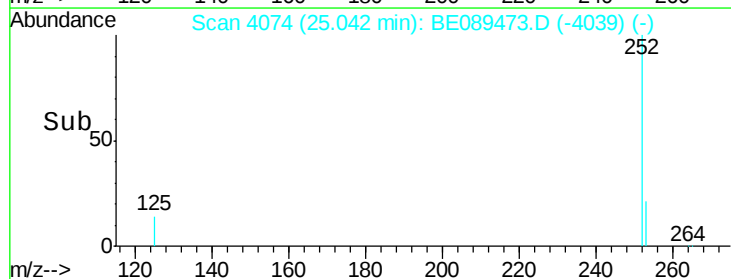
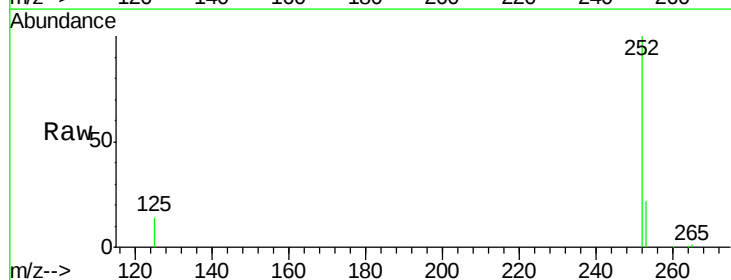
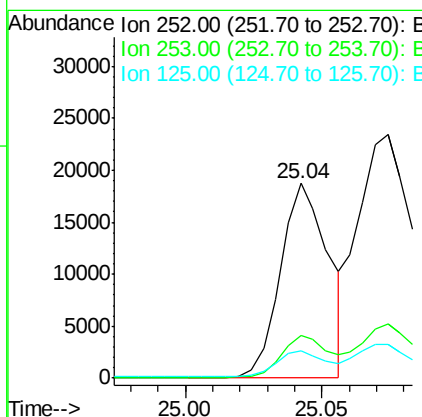
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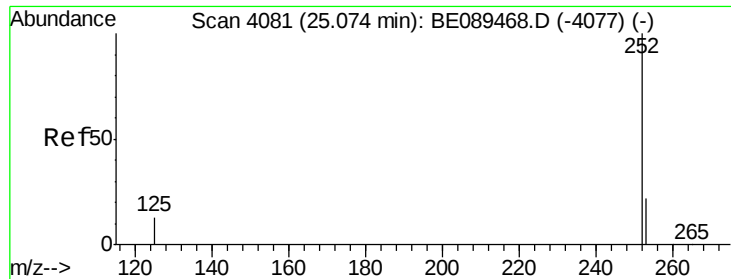
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#28
 Benzo(b)fluoranthene
 Concen: 0.72 ng
 RT: 25.04 min Scan# 4074
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	22825		
253	21.6	17.4	26.2	
125	14.2	11.3	16.9	





#29

Benzo(k)fluoranthene

Concen: 1.08 ng

RT: 25.07 min Scan# 4081

Delta R.T. -0.00 min

Lab File: BE089473.D

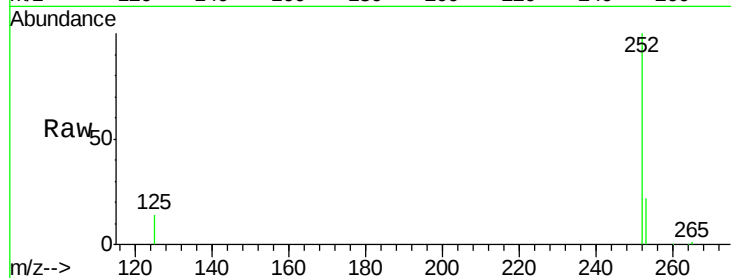
Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

ClientSampleId :

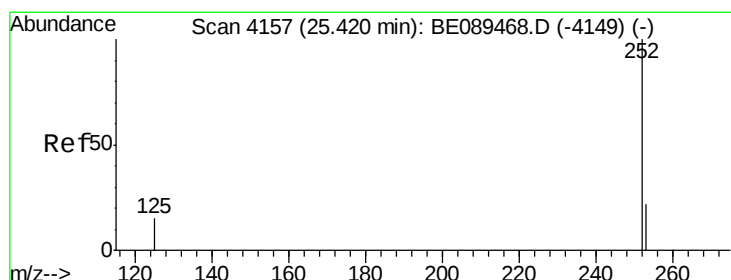
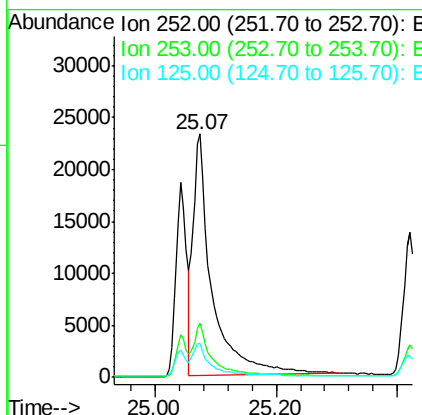
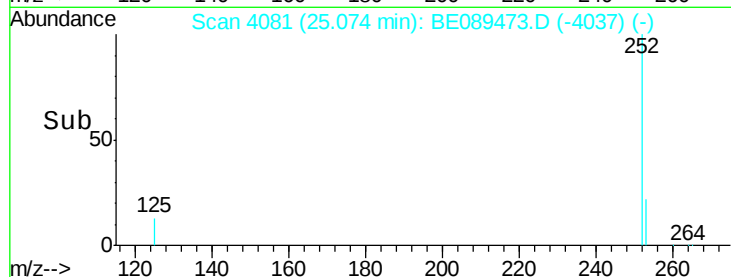
ICVBE020315



Tgt Ion:	252	Resp:	50399
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.9	26.9
125	13.8	10.6	15.8

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#30

Benzo(a)pyrene

Concen: 0.78 ng

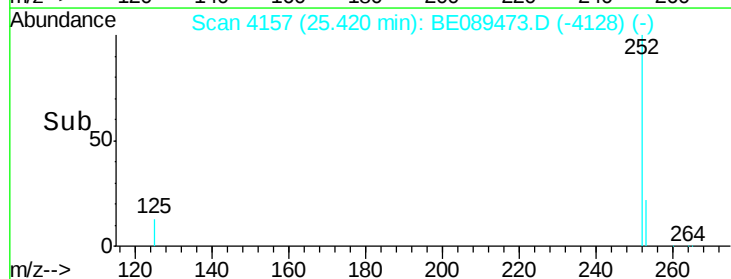
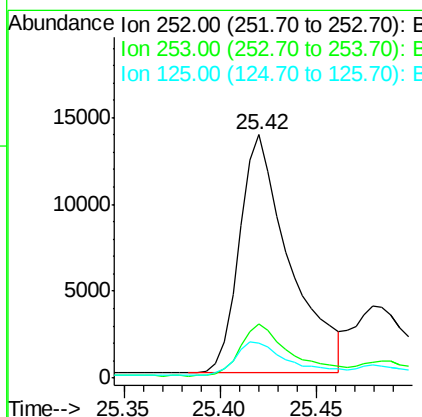
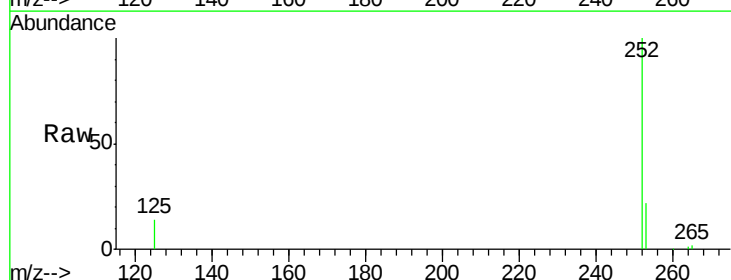
RT: 25.42 min Scan# 4157

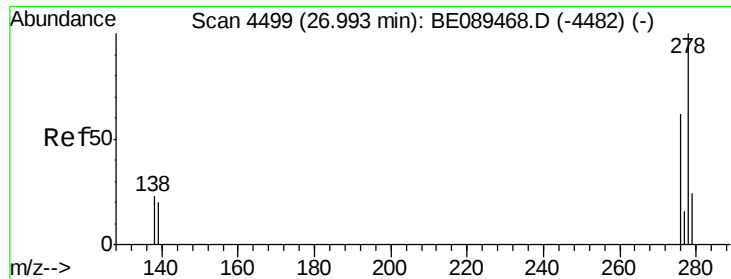
Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 20:54

Tgt Ion:	252	Resp:	24862
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	14.5	12.2	18.4





#31

Dibenzo(a,h)anthracene

Concen: 0.77 ng

RT: 26.99 min Scan# 4499

Delta R.T. -0.00 min

Lab File: BE089473.D

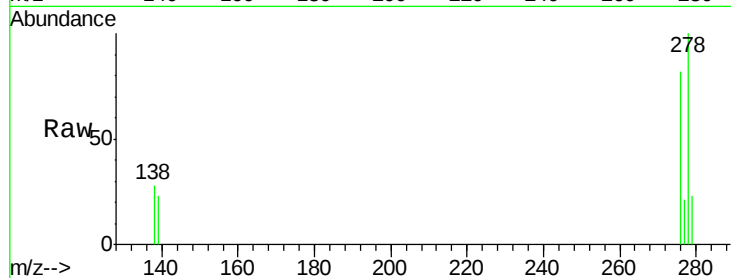
Acq: 3 Feb 2015 20:54

Instrument :

BNA_E

ClientSampleId :

ICVBE020315



Tgt	Ion	278	Resp:	26822
Ion	Ratio	100	Lower	Upper
278	100			
139	22.7	16.8	25.2	
279	23.4	19.4	29.0	

Manual Integrations
APPROVED

apatel
2/4/2015 2:55:17 PM

