

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089479.D
 Acq On : 4 Feb 2015 00:46
 Operator : TP/IZ
 Sample : PB81408BS
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81408BS

Manual Integrations
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apatel
 2/4/2015 2:55:26 PM

Quant Time: Feb 04 03:02:18 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	174683	5.00	ng	0.00
7) Naphthalene-d8	12.44	136	697728	5.00	ng	0.01
13) Acenaphthene-d10	16.62	164	326934	5.00	ng	0.01
17) Phenanthrene-d10	19.94	188	554386	5.00	ng	0.00
20) Chrysene-d12	23.80	240	511337	5.00	ng	0.02
27) Perylene-d12	25.50	264	484514	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	574251	10.17	ng	0.02
4) Phenol-d6	8.87	99	749905	10.58	ng	0.04
8) Nitrobenzene-d5	10.81	82	464272	8.80	ng	0.02
14) 2,4,6-Tribromophenol	18.53	330	140242	9.90	ng	0.02
15) 2-Fluorobiphenyl	15.07	172	661771	7.68	ng	0.01
22) Terphenyl-d14	22.44	244	673568	9.29	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.55	42	253589	7.14	ng	Qvalue # 75
5) Phenol	8.90	94	528567m	6.82	ng	
6) bis(2-Chloroethyl)ether	9.02	93	404411	7.20	ng	# 98
9) Nitrobenzene	10.85	77	472401	7.82	ng	99
10) 2,4-Dimethylphenol	11.79	122	301379	6.90	ng	94
11) 2,4-Dichlorophenol	12.17	162	249562	7.74	ng	95
12) Hexachlorobutadiene	12.81	225	149986	6.95	ng	98
16) 2,4-Dinitrophenol	16.87	184	109277	13.94	ng	# 61
18) Hexachlorobenzene	19.18	284	213646	7.45	ng	# 82
19) Pentachlorophenol	19.62	266	188468	14.28	ng	99
21) Benzidine	22.10	184	863161	33.78	ng	98
23) Benzo(a)anthracene	23.78	228	3589127	7.90	ng	98
24) 3,3'-Dichlorobenzidine	23.77	252	353298	8.24	ng	98
25) Chrysene	23.83	228	3242274	6.85	ng	94
26) Indeno(1,2,3-cd)pyrene	26.99	276	1006791	7.54	ng	99
28) Benzo(b)fluoranthene	25.05	252	826195	7.46	ng	98
29) Benzo(k)fluoranthene	25.08	252	908178	7.23	ng	98
30) Benzo(a)pyrene	25.43	252	839855	7.76	ng	97
31) Dibenzo(a,h)anthracene	27.01	278	888913	7.76	ng	97

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

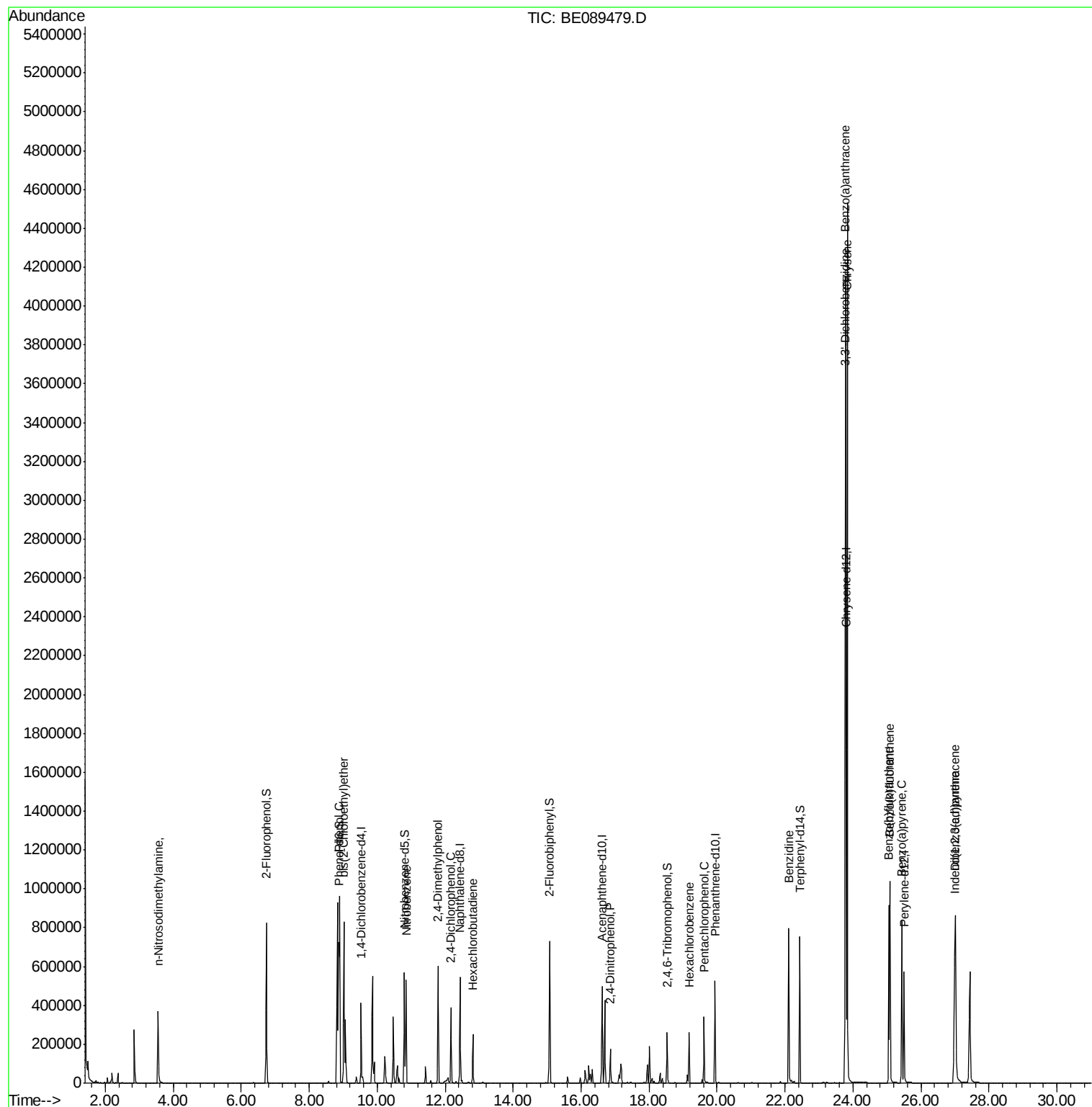
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089479.D
Acq On : 4 Feb 2015 00:46
Operator : TP/IZ
Sample : PB81408BS
Misc :
ALS Vial : 61 Sample Multiplier: 1

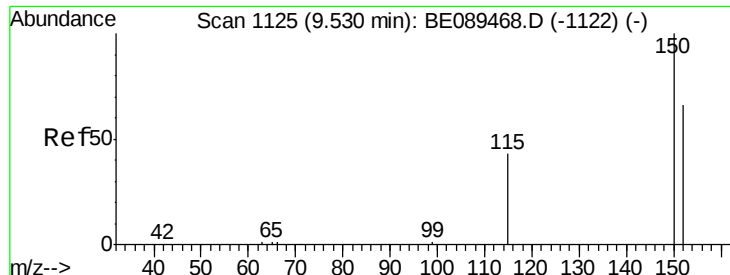
Instrument :
BNA_E
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Quant Time: Feb 04 03:02:18 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

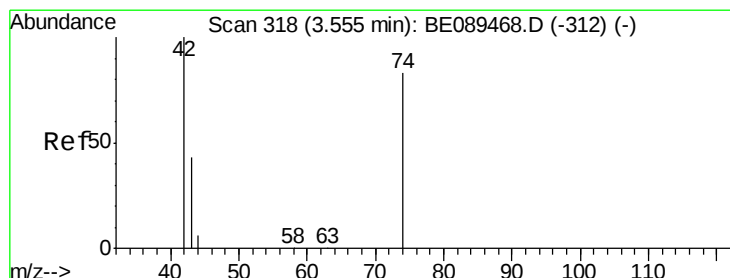
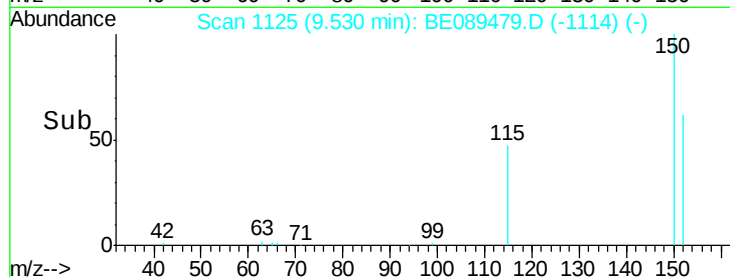
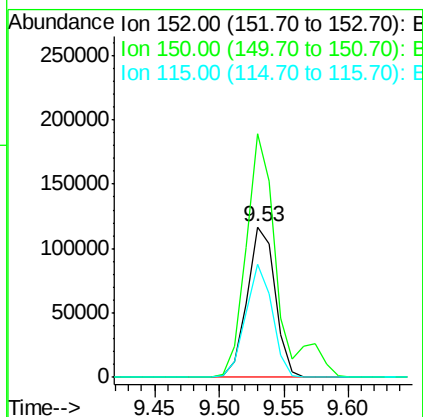
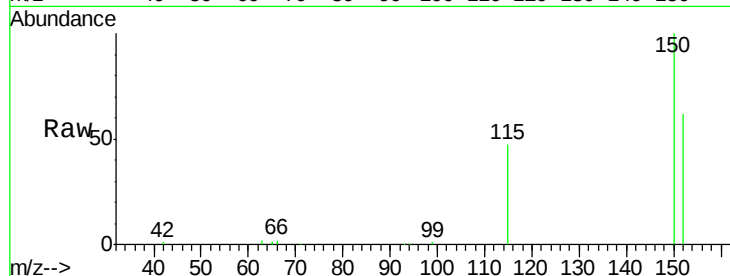
ClientSampleId :

PB81408BS

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Tgt Ion:	152	Resp:	174683
Ion Ratio	Lower	Upper	
152	100		
150	161.5	122.1	183.1
115	75.3	53.2	79.8



#2

n-Nitrosodimethylamine

Concen: 7.14 ng

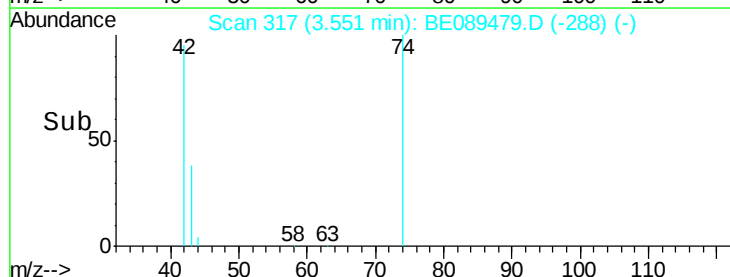
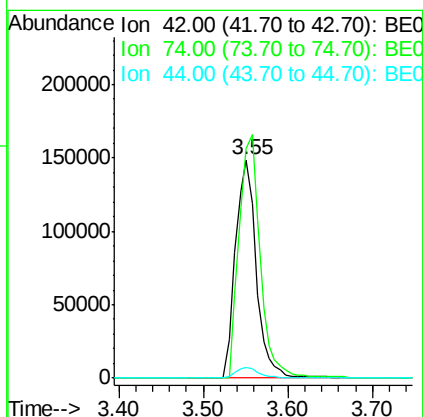
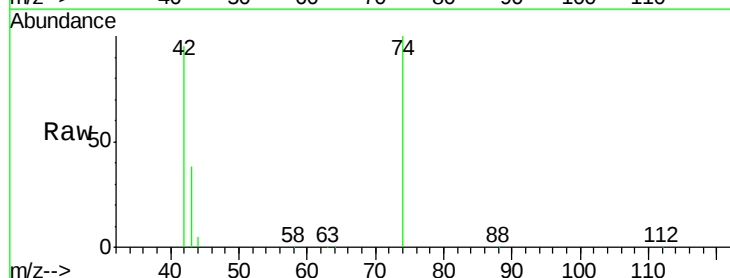
RT: 3.55 min Scan# 317

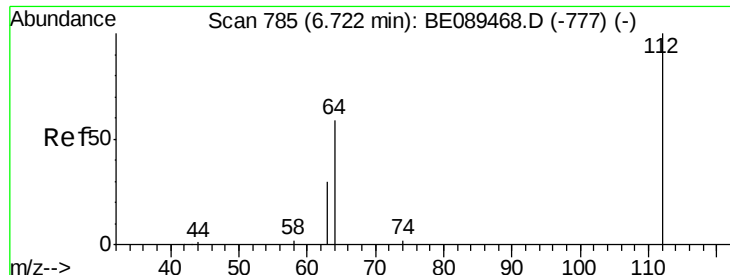
Delta R.T. -0.00 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion:	42	Resp:	253589
Ion Ratio	Lower	Upper	
42	100		
74	104.7	65.4	98.2#
44	4.9	11.7	17.5#





#3

2-Fluorophenol

Concen: 10.17 ng

RT: 6.74 min Scan# 787

Delta R.T. 0.02 min

Lab File: BE089479.D

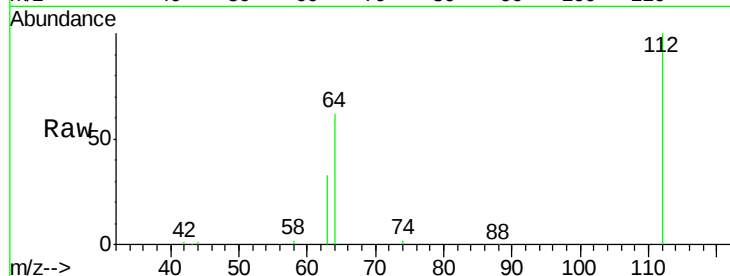
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

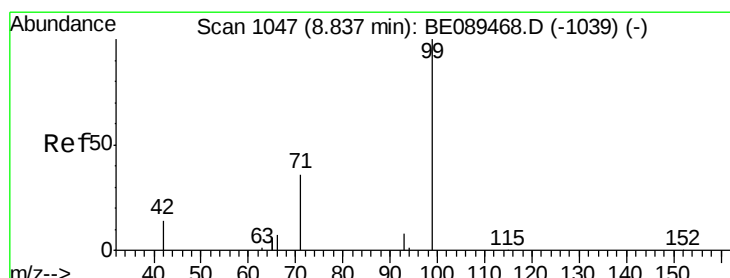
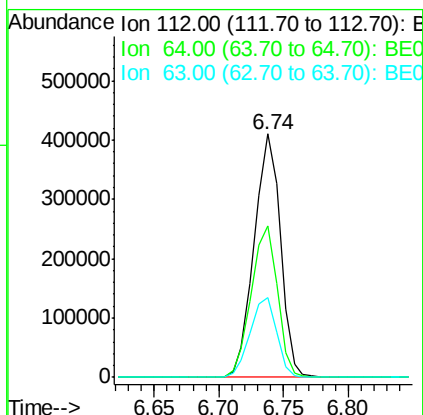
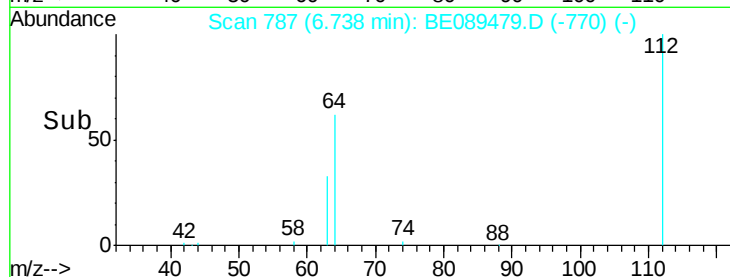
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Tgt Ion	Ratio	Resp	Lower	Upper
112	100	574251		
64	62.2	47.0	70.6	
63	32.7	24.2	36.2	

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#4

Phenol-d6

Concen: 10.58 ng

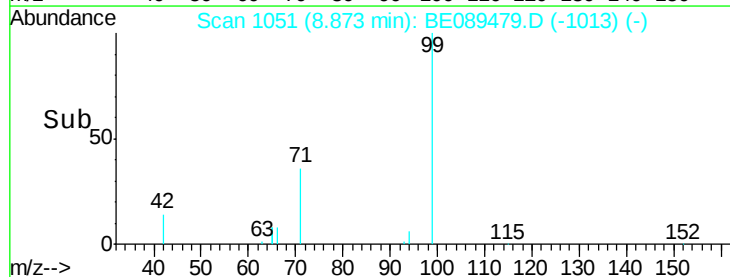
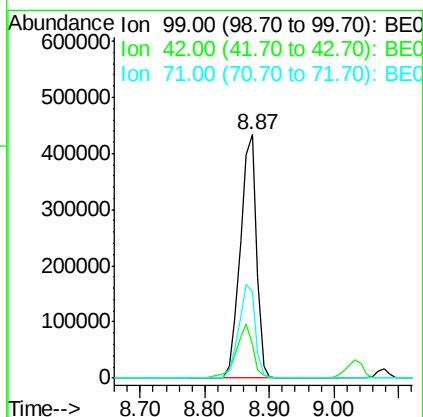
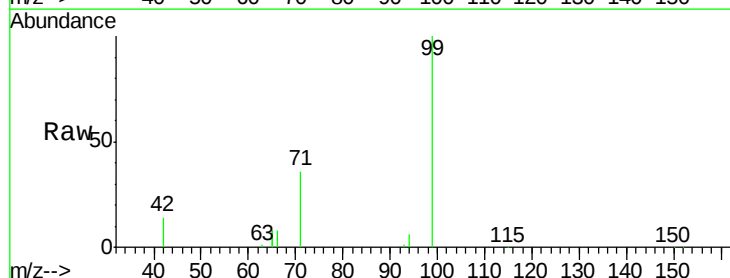
RT: 8.87 min Scan# 1051

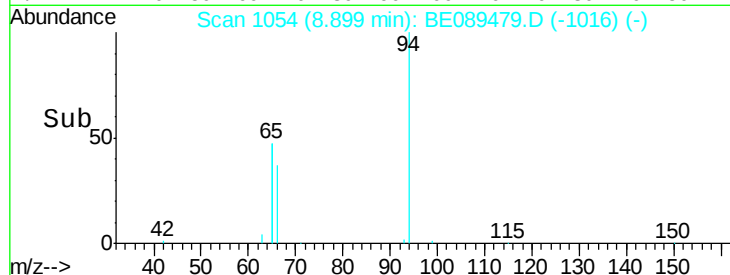
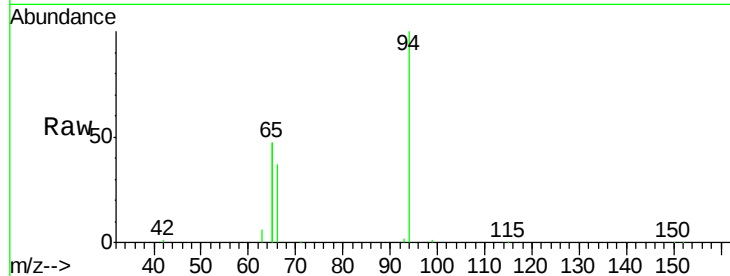
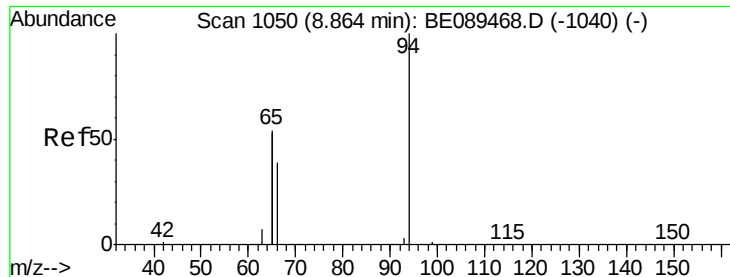
Delta R.T. 0.04 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	749905		
42	14.0	11.8	17.6	
71	35.6	28.7	43.1	





#5

Phenol

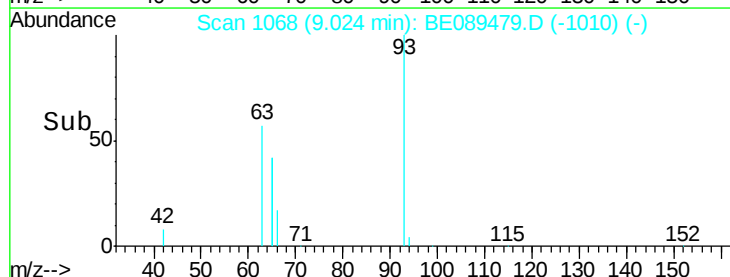
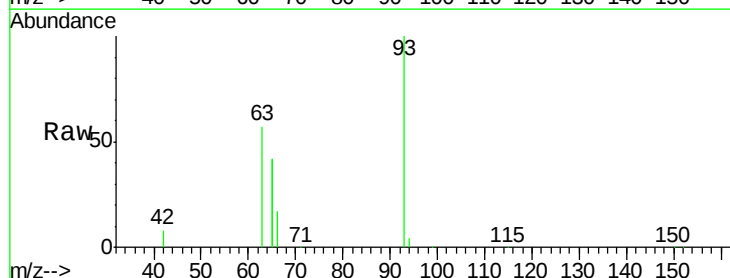
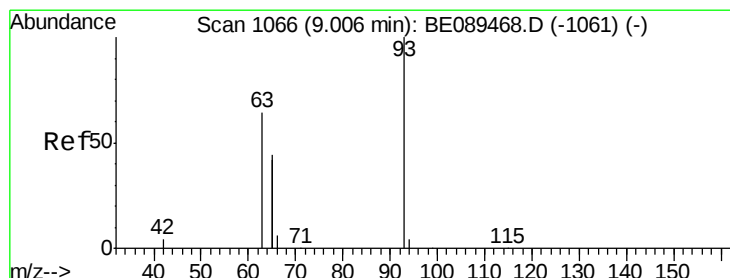
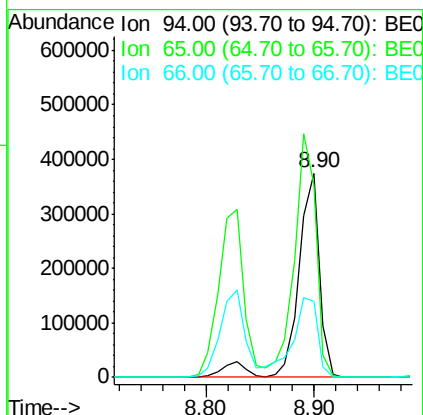
Concen: 6.82 ng m
RT: 8.90 min Scan# 1054
Delta R.T. 0.04 min
Lab File: BE089479.D
Acq: 4 Feb 2015 00:46

Instrument :
BNA_E
ClientSampleId :
PB81408BS

Tgt Ion	Ratio	Lower	Upper
94	100		
65	47.0	33.9	73.9
66	36.9	19.1	59.1

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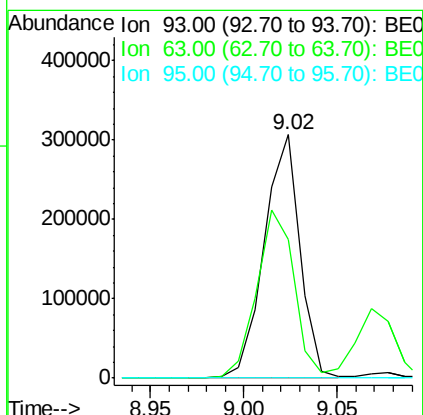


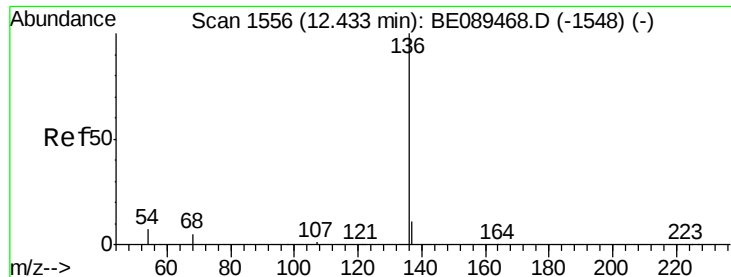
#6

bis(2-Chloroethyl)ether

Concen: 7.20 ng
RT: 9.02 min Scan# 1068
Delta R.T. 0.02 min
Lab File: BE089479.D
Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Lower	Upper
93	100		
63	72.6	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.44 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

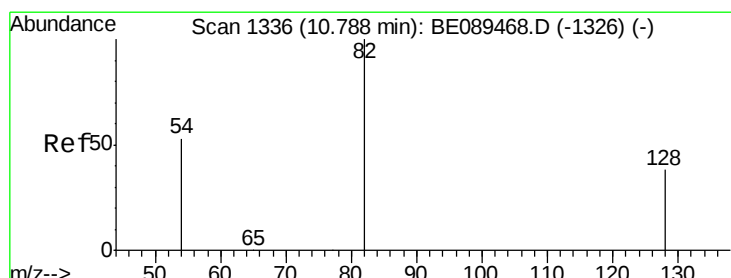
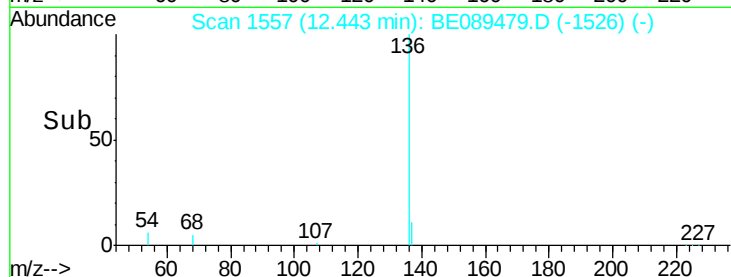
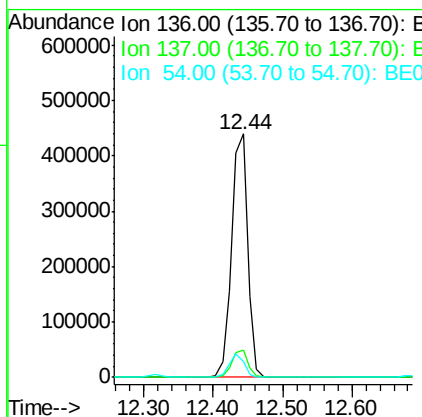
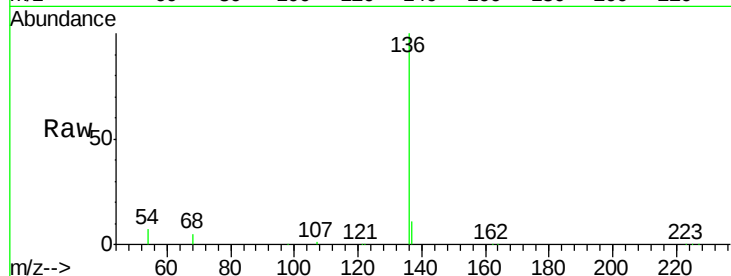
ClientSampled :

PB81408BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	697728		
137	11.0	8.6	13.0	
54	6.5	5.4	8.0	

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#8

Nitrobenzene-d5

Concen: 8.80 ng

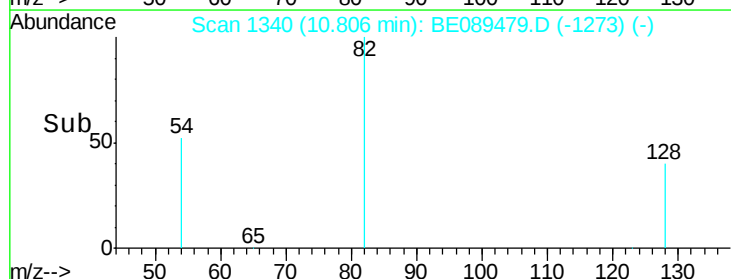
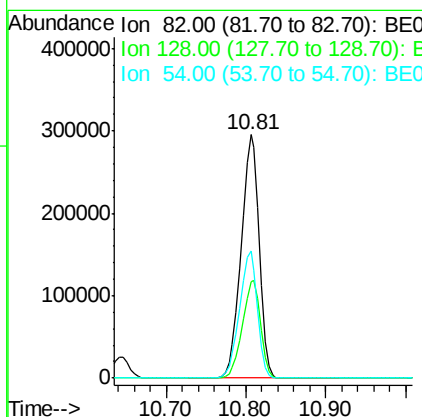
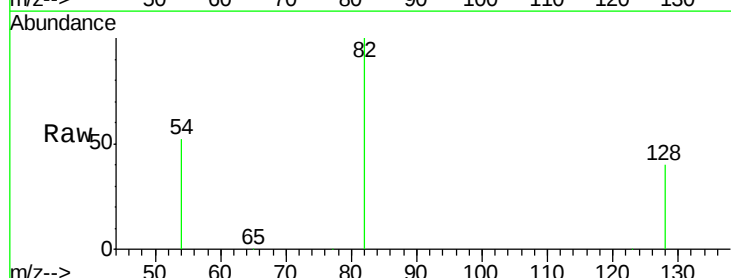
RT: 10.81 min Scan# 1340

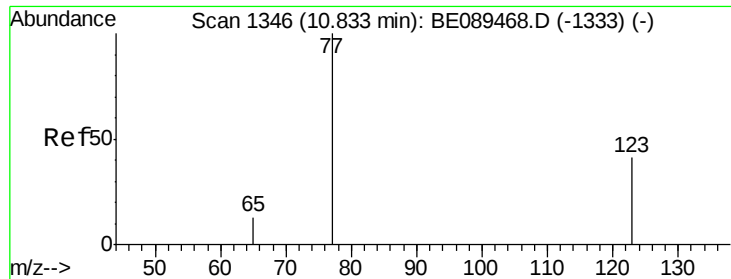
Delta R.T. 0.02 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	464272		
128	39.6	30.3	45.5	
54	52.1	43.1	64.7	





#9

Nitrobenzene

Concen: 7.82 ng

RT: 10.85 min Scan# 1350

Delta R.T. 0.02 min

Lab File: BE089479.D

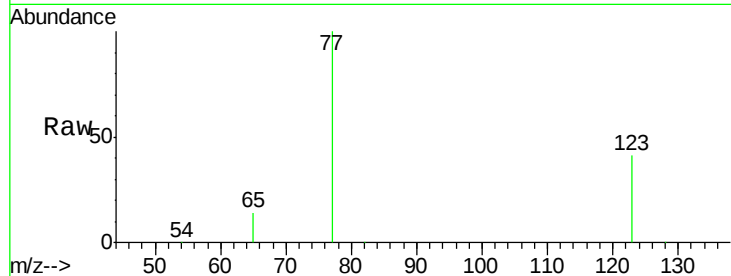
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

PB81408BS



Tgt Ion: 77 Resp: 472401

Ion Ratio Lower Upper

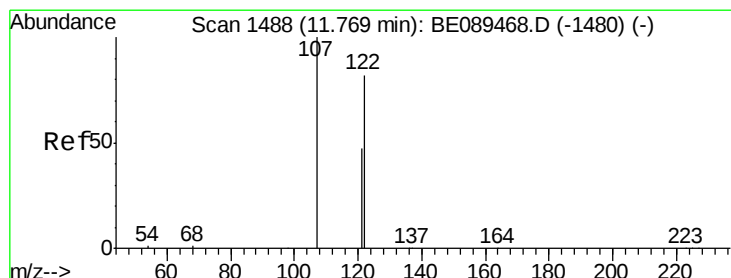
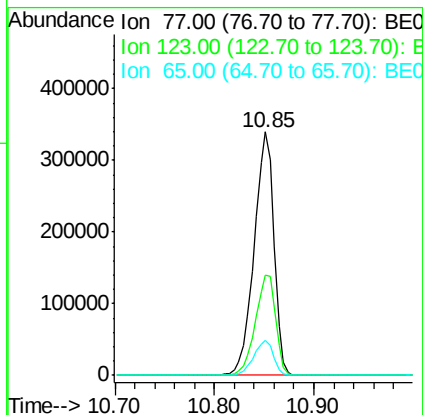
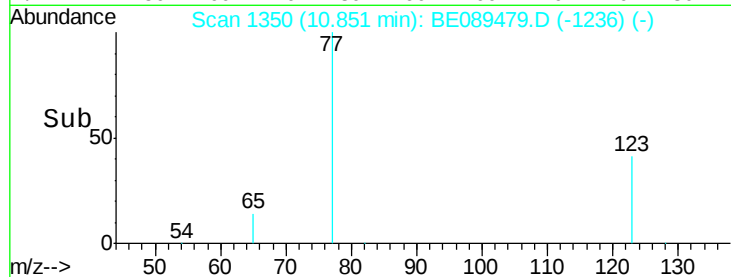
77 100

123 42.3 33.4 50.0

65 14.4 10.9 16.3

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#10

2,4-Dimethylphenol

Concen: 6.90 ng

RT: 11.79 min Scan# 1490

Delta R.T. 0.02 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

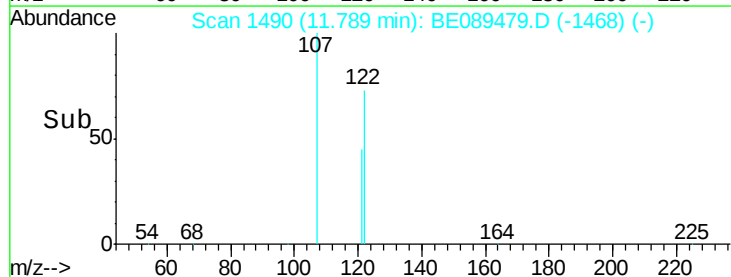
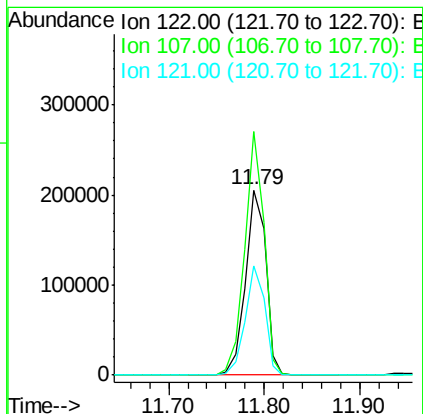
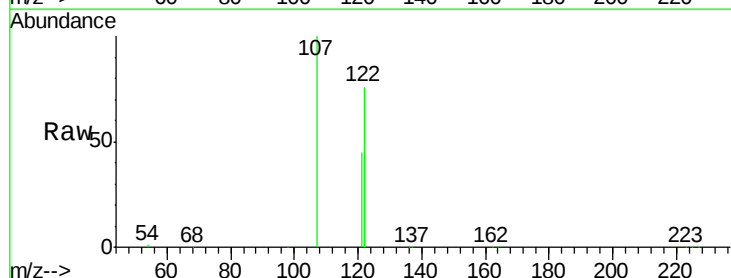
Tgt Ion: 122 Resp: 301379

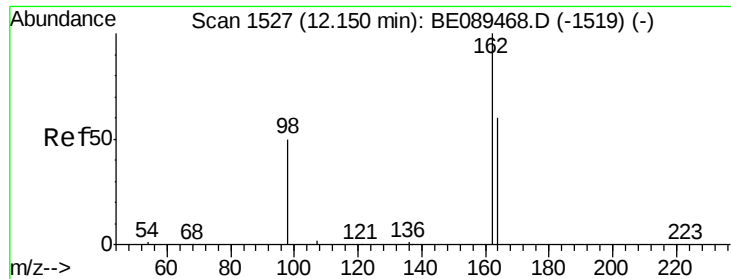
Ion Ratio Lower Upper

122 100

107 131.5 97.3 145.9

121 58.9 46.4 69.6





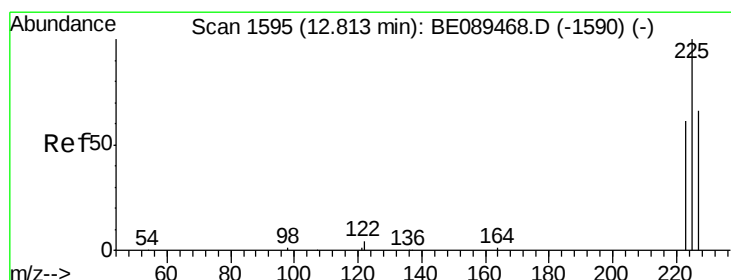
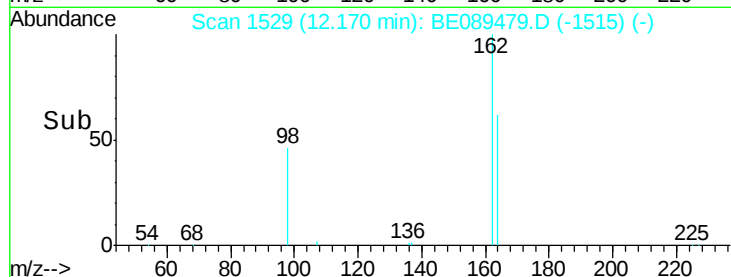
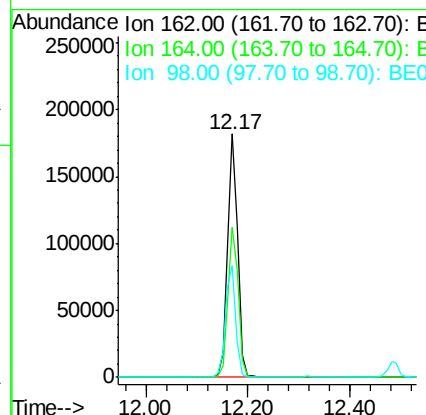
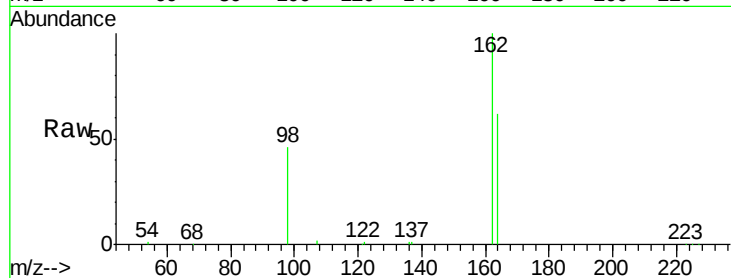
#11
2,4-Dichlorophenol
Concen: 7.74 ng
RT: 12.17 min Scan# 1529
Delta R.T. 0.02 min
Lab File: BE089479.D
Acq: 4 Feb 2015 00:46

Instrument :
BNA_E
ClientSampleId :
PB81408BS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	249562		
164	61.5	39.9	79.9	
98	45.7	31.3	71.3	

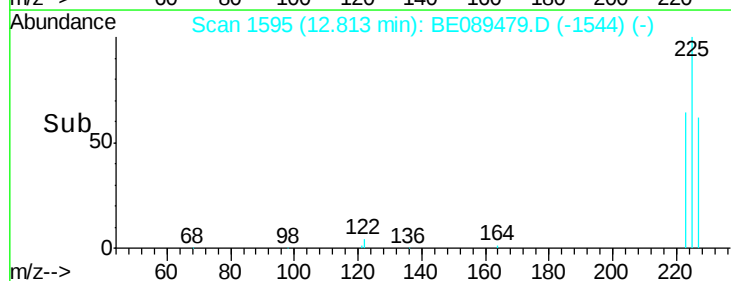
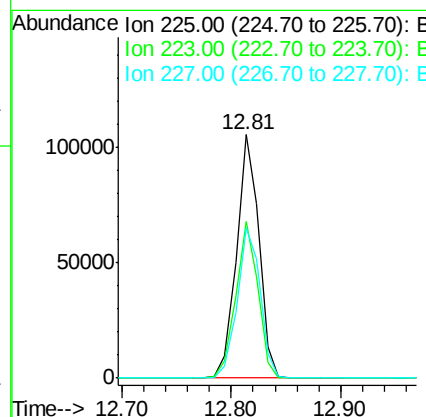
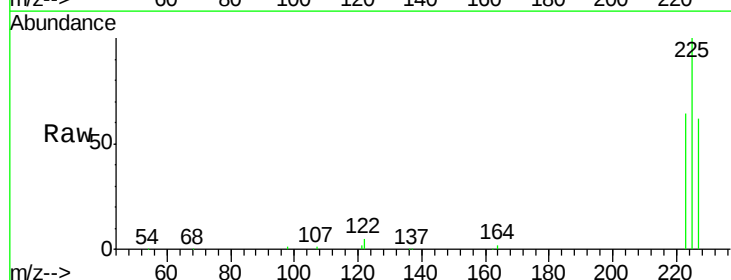
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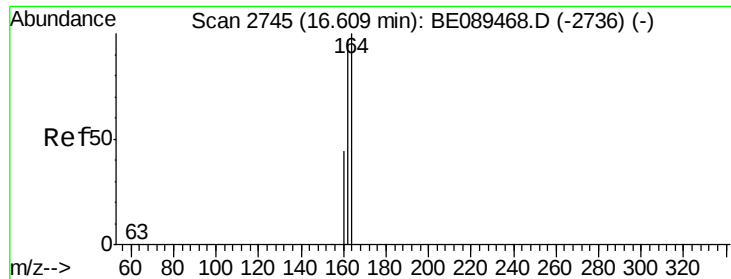
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#12
Hexachlorobutadiene
Concen: 6.95 ng
RT: 12.81 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BE089479.D
Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149986		
223	63.5	49.4	74.0	
227	63.4	51.2	76.8	





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BE089479.D

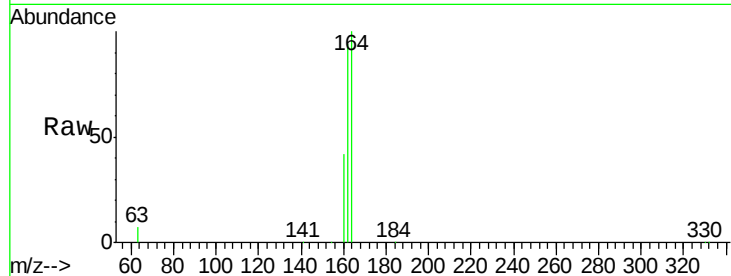
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

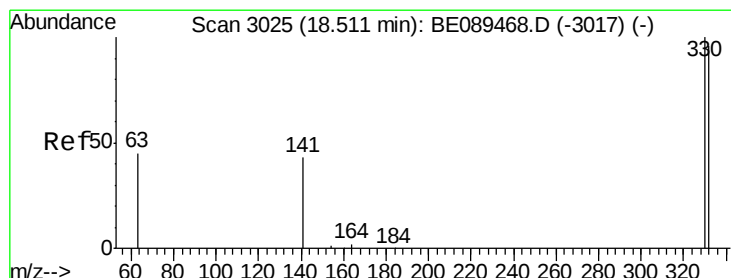
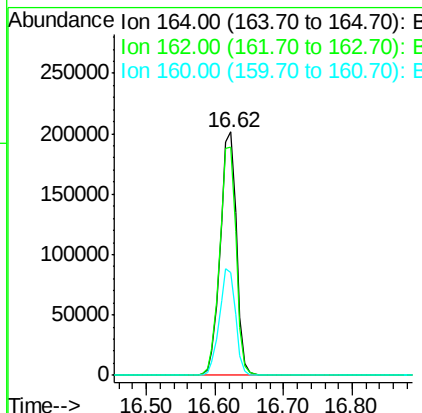
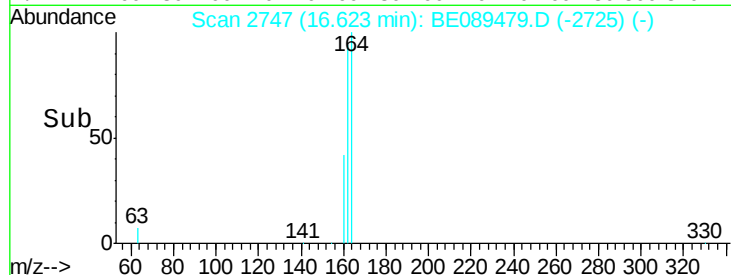
PB81408BS



Tgt Ion:	164	Resp:	326934
Ion Ratio	Lower	Upper	
164	100		
162	93.7	77.6	116.4
160	42.3	35.6	53.4

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#14

2,4,6-Tribromophenol

Concen: 9.90 ng

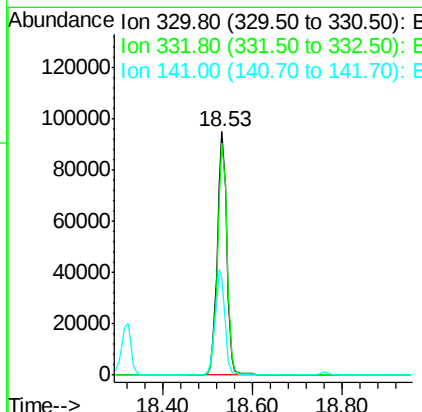
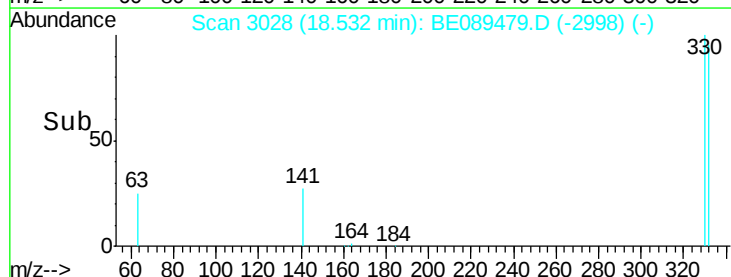
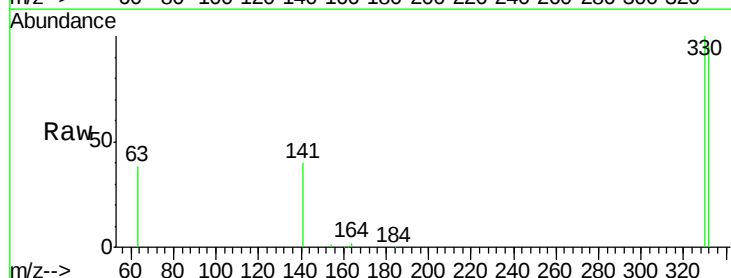
RT: 18.53 min Scan# 3028

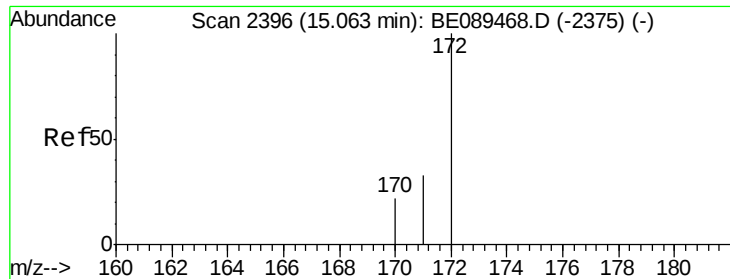
Delta R.T. 0.02 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion:	330	Resp:	140242
Ion Ratio	Lower	Upper	
330	100		
332	95.9	78.0	117.0
141	44.3	33.8	50.6





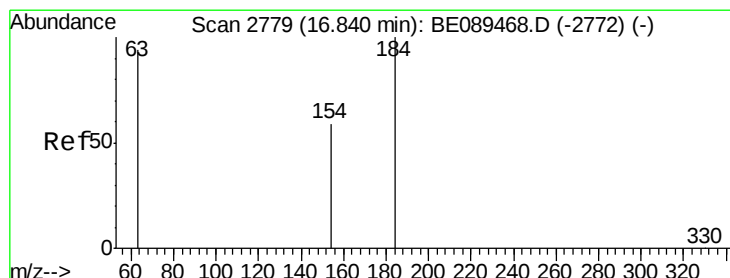
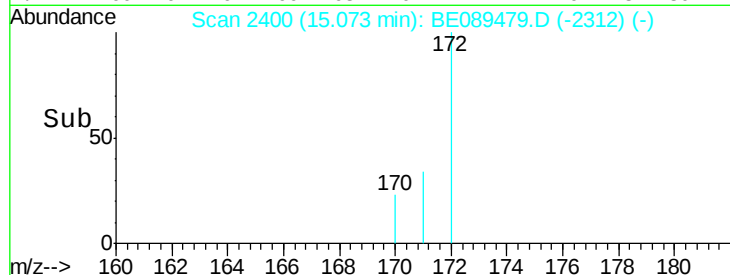
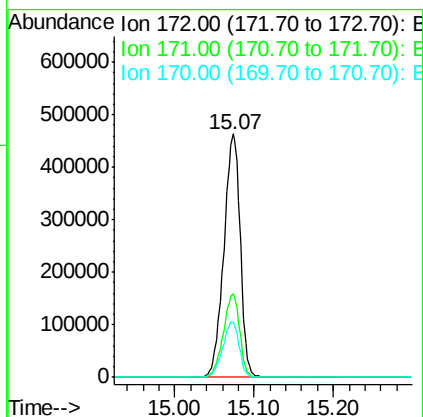
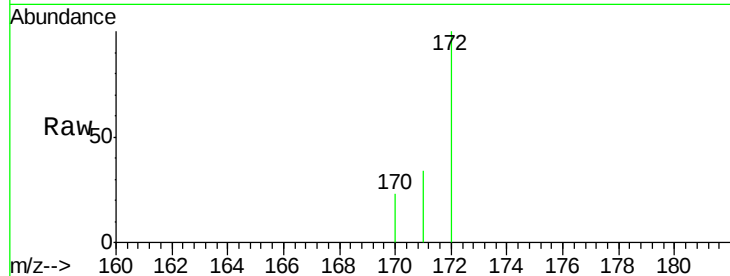
#15
2-Fluorobiphenyl
Concen: 7.68 ng
RT: 15.07 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BE089479.D
Acq: 4 Feb 2015 00:46

Instrument :
BNA_E
ClientSampleId :
PB81408BS

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.8	40.2
170	23.0	17.7	26.5

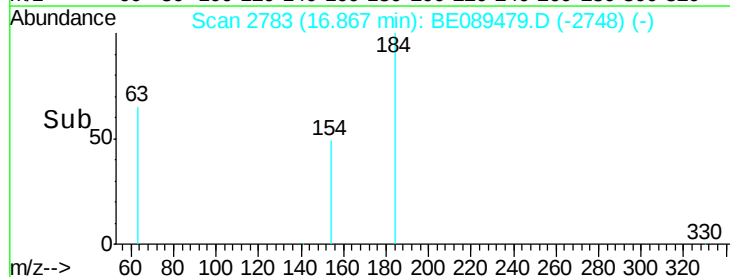
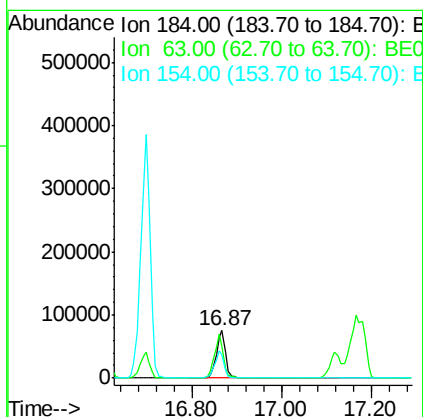
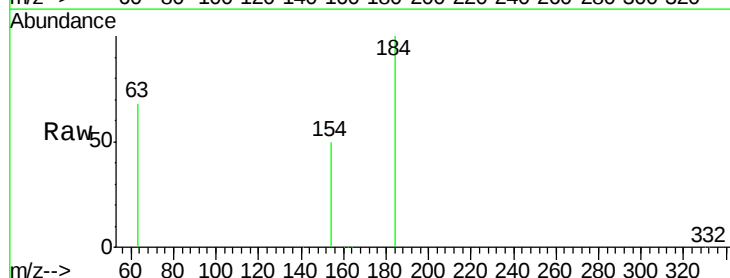
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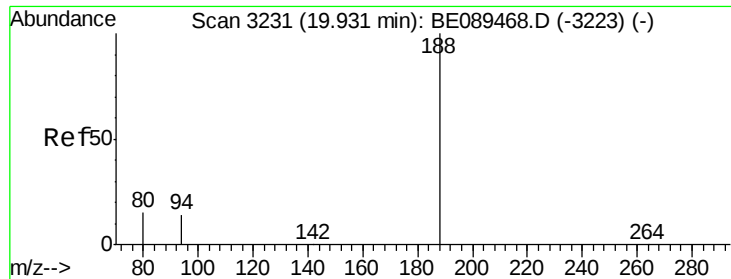
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#16
2,4-Dinitrophenol
Concen: 13.94 ng
RT: 16.87 min Scan# 2783
Delta R.T. 0.03 min
Lab File: BE089479.D
Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.1	92.1	138.1#
154	49.8	61.4	92.2#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.94 min Scan# 3232

Delta R.T. 0.01 min

Lab File: BE089479.D

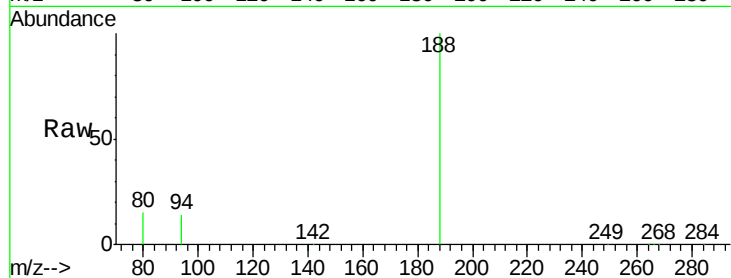
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

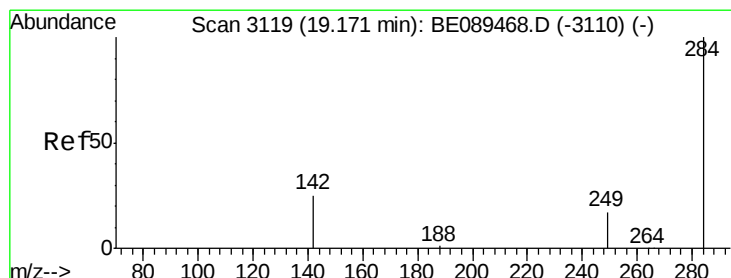
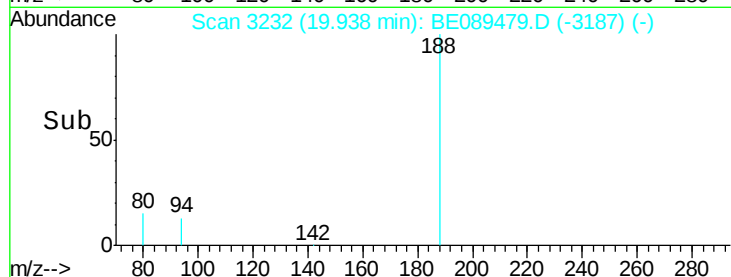
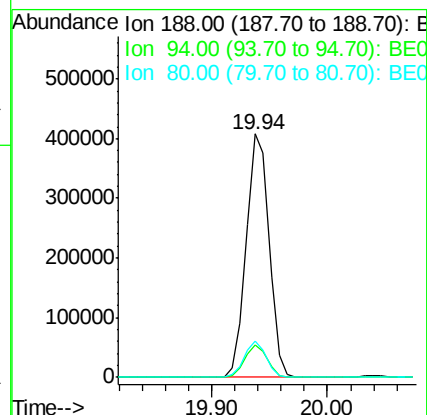
PB81408BS



Tgt Ion	Ratio	Resp	Lower	Upper
188	100	554386		
94	13.5		11.1	16.7
80	14.7		11.8	17.6

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#18

Hexachlorobenzene

Concen: 7.45 ng

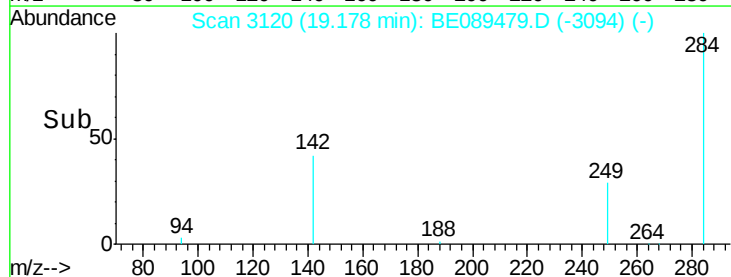
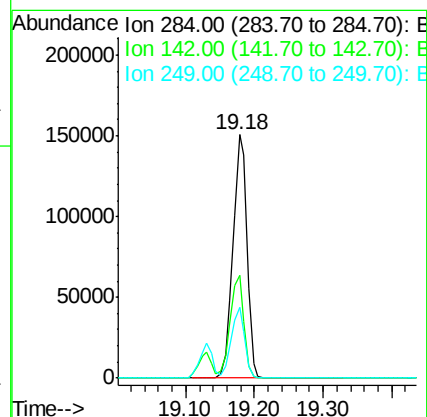
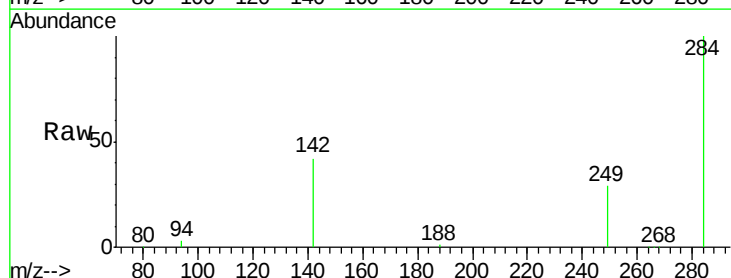
RT: 19.18 min Scan# 3120

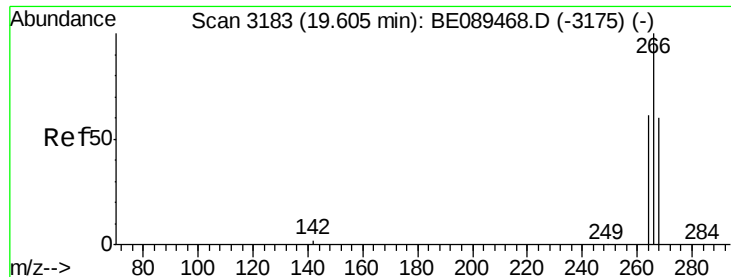
Delta R.T. 0.01 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	213646		
142	42.0		24.4	36.6#
249	28.9		18.2	27.2#





#19

Pentachlorophenol

Concen: 14.28 ng

RT: 19.62 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BE089479.D

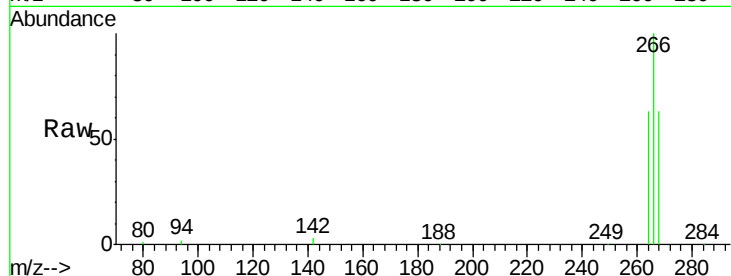
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

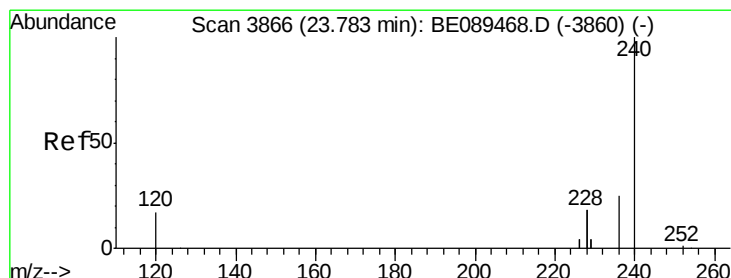
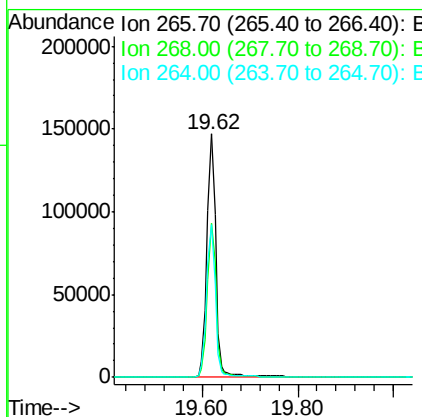
PB81408BS



Tgt Ion	Ratio	Resp	Lower	Upper
266	100	188468		
268	63.1	50.0	75.0	
264	62.7	50.6	75.8	

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#20

Chrysene-d12

Concen: 5.00 ng

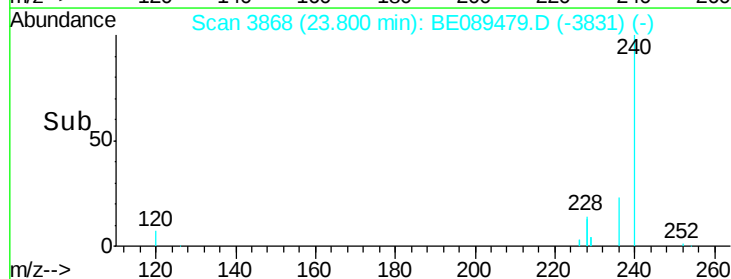
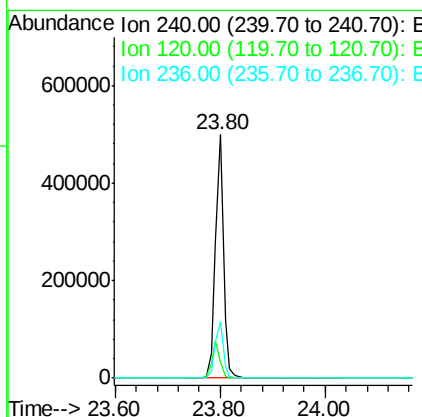
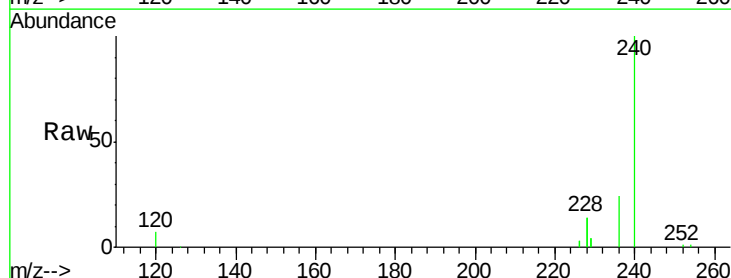
RT: 23.80 min Scan# 3868

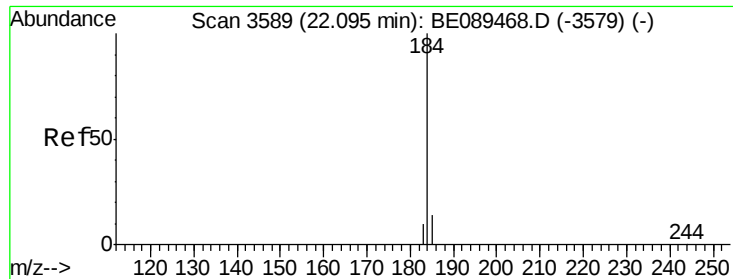
Delta R.T. 0.02 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	511337		
120	6.5	13.8	20.6#	
236	23.5	20.2	30.2	





#21

Benzidine

Concen: 33.78 ng

RT: 22.10 min Scan# 3591

Delta R.T. 0.01 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

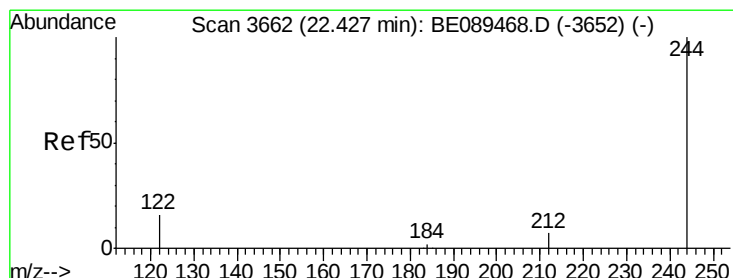
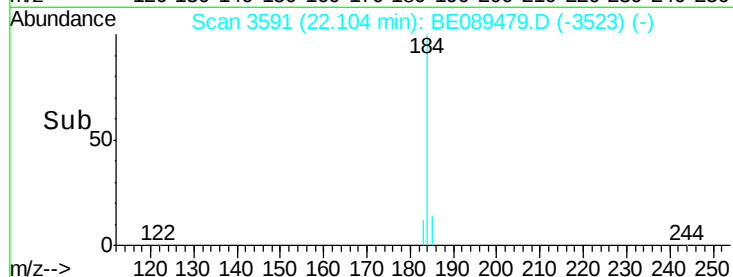
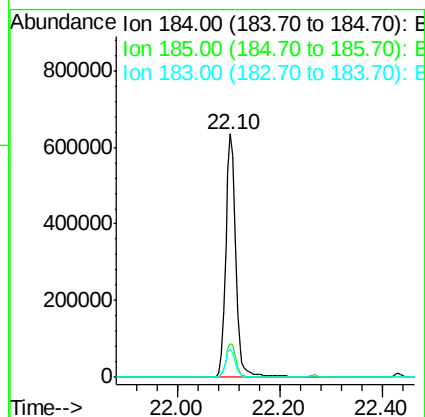
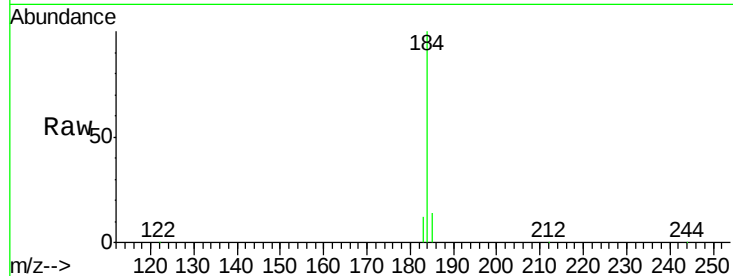
ClientSampleId :

PB81408BS

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Tgt Ion:	184	Resp:	863161
Ion Ratio	Lower	Upper	
184	100		
185	13.9	12.0	18.0
183	11.9	9.0	13.4



#22

Terphenyl-d14

Concen: 9.29 ng

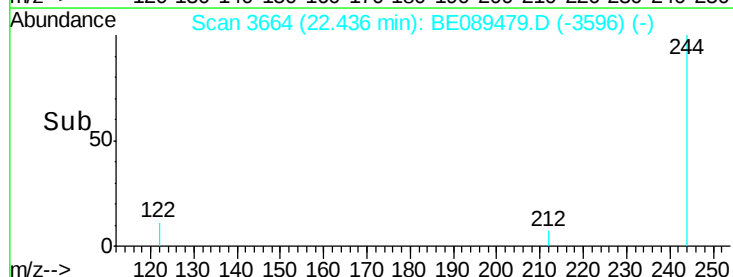
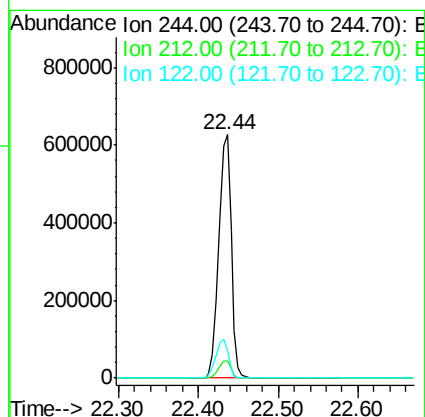
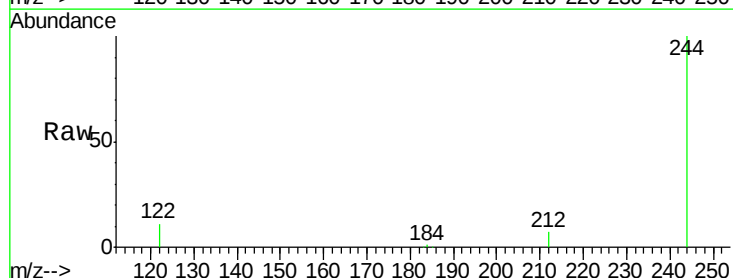
RT: 22.44 min Scan# 3664

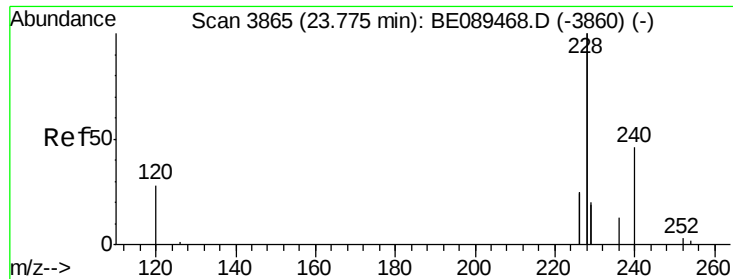
Delta R.T. 0.01 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Tgt Ion:	244	Resp:	673568
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.5	8.3
122	11.1	12.6	19.0#





#23

Benzo(a)anthracene

Concen: 7.90 ng

RT: 23.78 min Scan# 3866

Delta R.T. 0.01 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

PB81408BS

Tgt Ion:228 Resp: 3589127

Ion Ratio Lower Upper

228 100

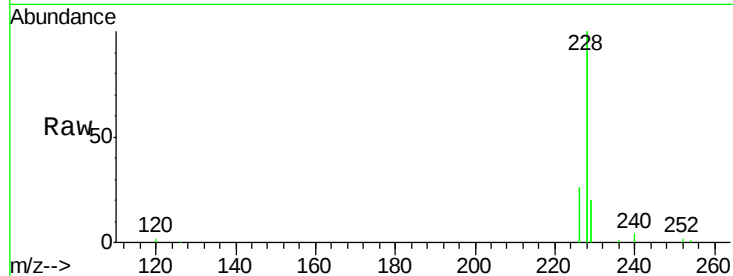
226 26.1 19.6 29.4

229 20.1 15.9 23.9

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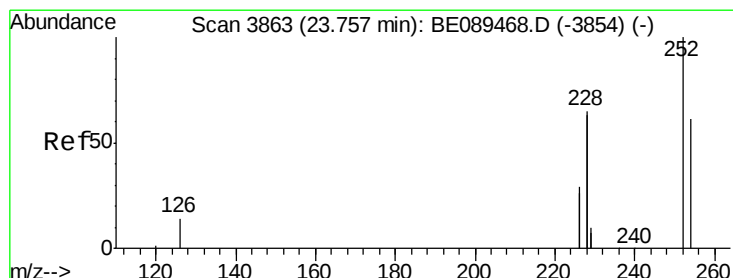
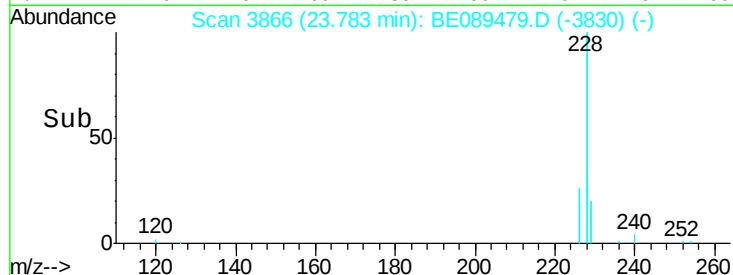
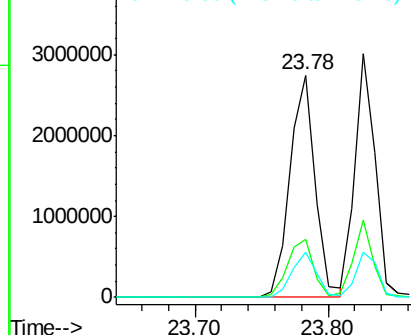


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 8.24 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.01 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

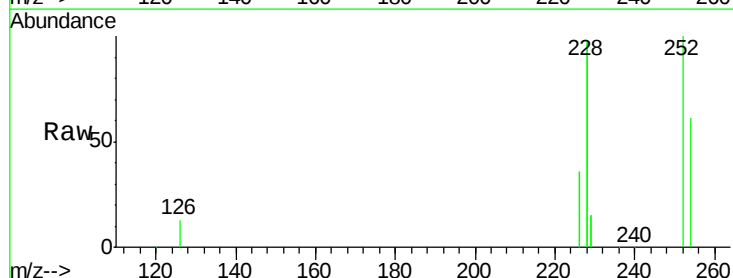
Tgt Ion:252 Resp: 353298

Ion Ratio Lower Upper

252 100

254 61.3 48.6 73.0

126 13.3 12.4 18.6

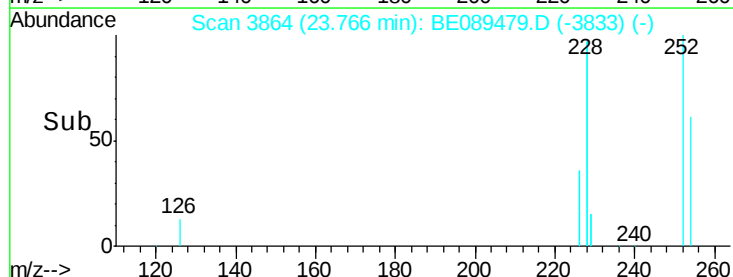
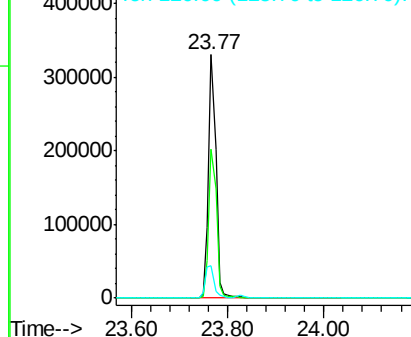


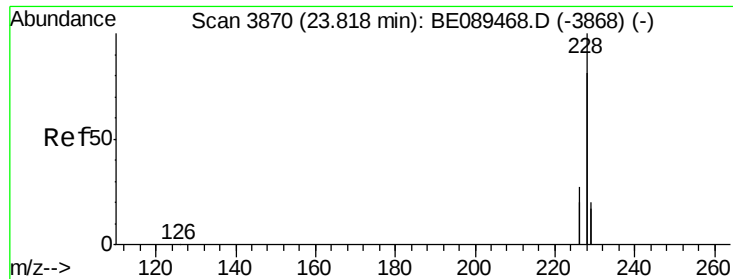
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 6.85 ng

RT: 23.83 min Scan# 3871

Delta R.T. 0.01 min

Lab File: BE089479.D

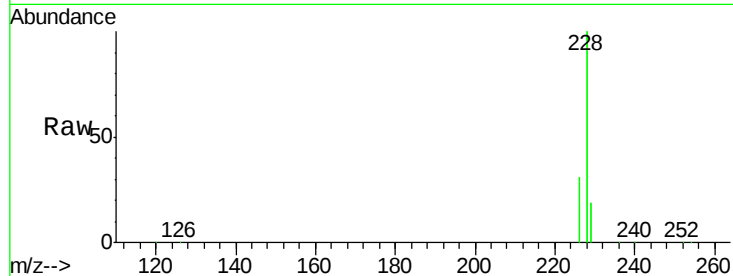
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

PB81408BS



Tgt Ion:228 Resp: 3242274

Ion Ratio Lower Upper

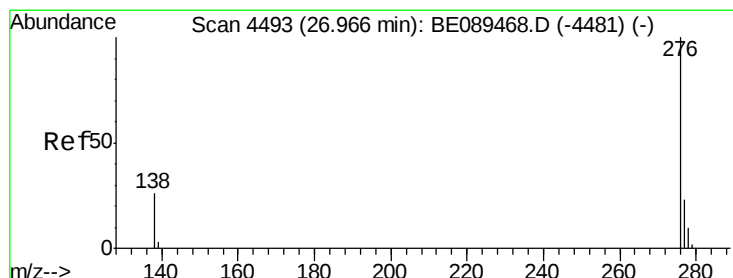
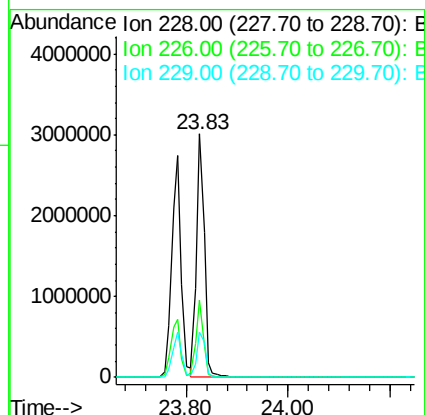
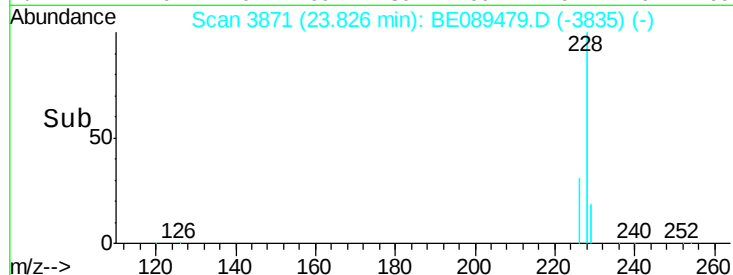
228 100

226 31.5 21.8 32.8

229 18.5 16.2 24.2

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#26

Indeno(1,2,3-cd)pyrene

Concen: 7.54 ng

RT: 26.99 min Scan# 4498

Delta R.T. 0.02 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

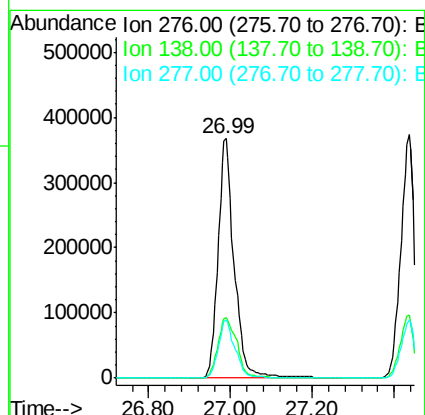
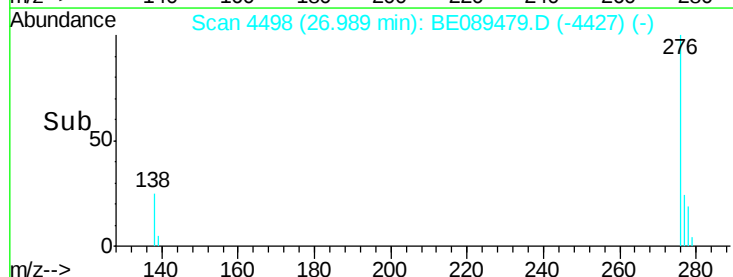
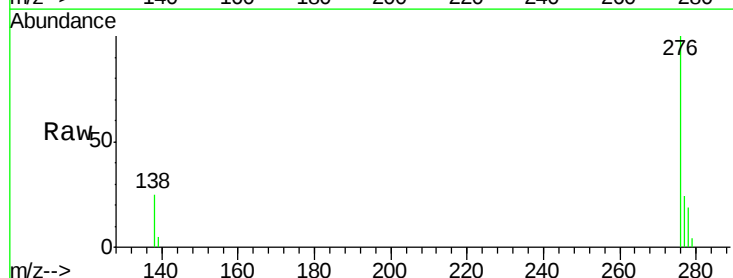
Tgt Ion:276 Resp: 1006791

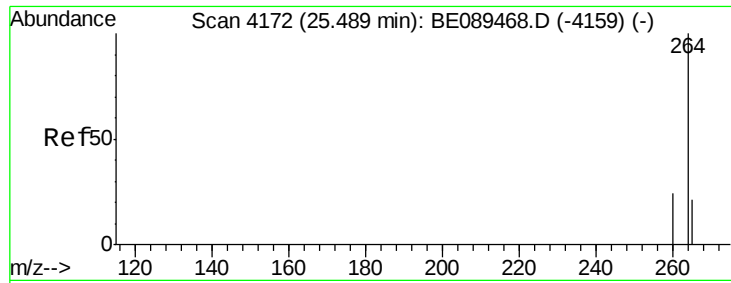
Ion Ratio Lower Upper

276 100

138 29.8 24.2 36.4

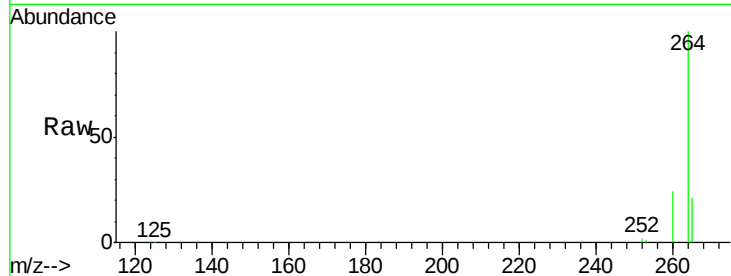
277 25.1 19.9 29.9





#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.50 min Scan# 4174
 Delta R.T. 0.01 min
 Lab File: BE089479.D
 Acq: 4 Feb 2015 00:46

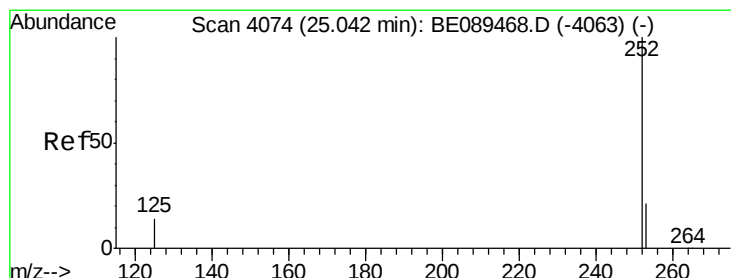
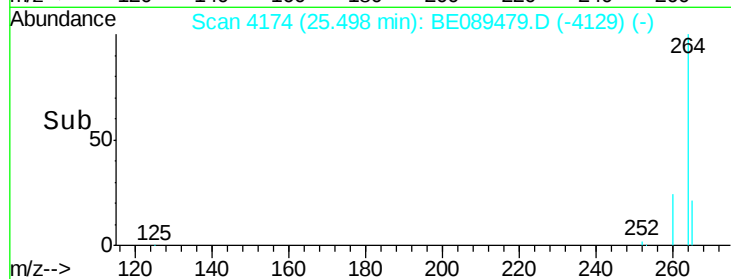
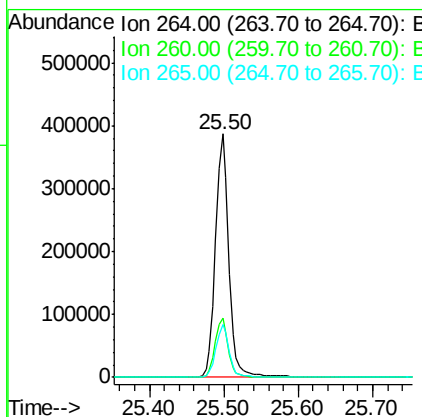
Instrument :
 BNA_E
 ClientSampleId :
 PB81408BS



Tgt Ion:	264	Resp:	484514
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.1	28.7
265	21.5	17.0	25.6

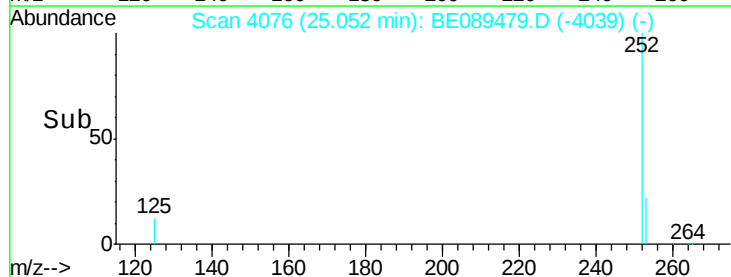
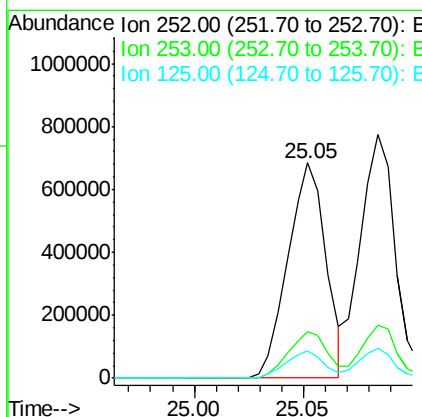
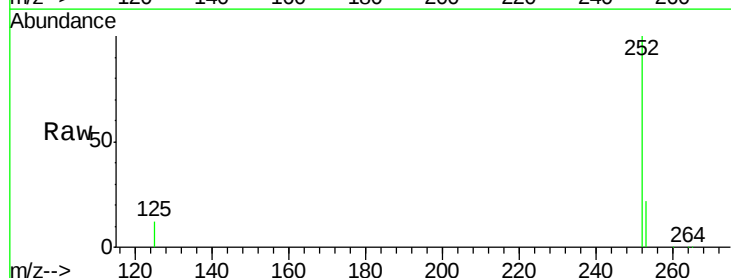
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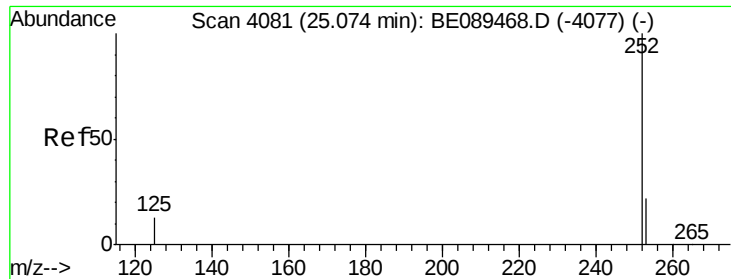
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#28
 Benzo(b)fluoranthene
 Concen: 7.46 ng
 RT: 25.05 min Scan# 4076
 Delta R.T. 0.01 min
 Lab File: BE089479.D
 Acq: 4 Feb 2015 00:46

Tgt Ion:	252	Resp:	826195
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.2
125	12.4	11.3	16.9





#29

Benzo(k)fluoranthene

Concen: 7.23 ng

RT: 25.08 min Scan# 4083

Delta R.T. 0.01 min

Lab File: BE089479.D

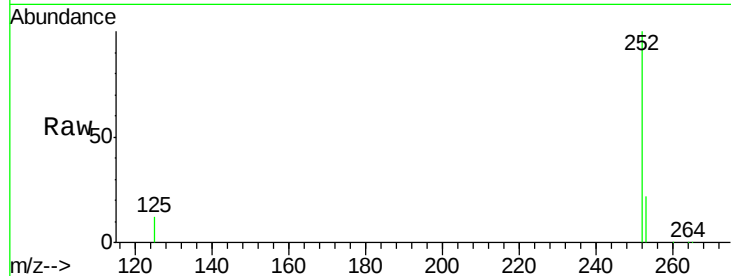
Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

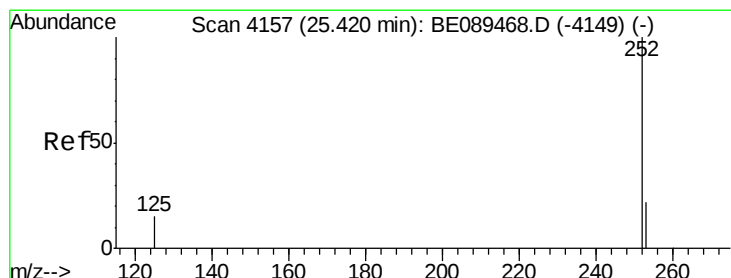
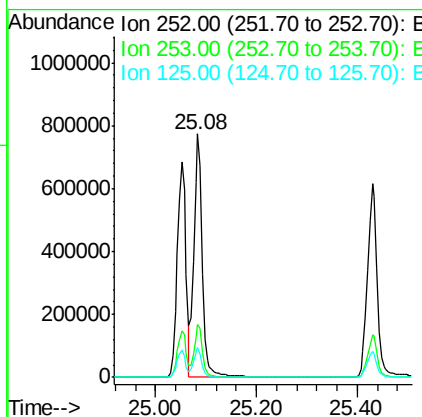
PB81408BS



Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.7	17.9	26.9	
125	12.4	10.6	15.8	

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#30

Benzo(a)pyrene

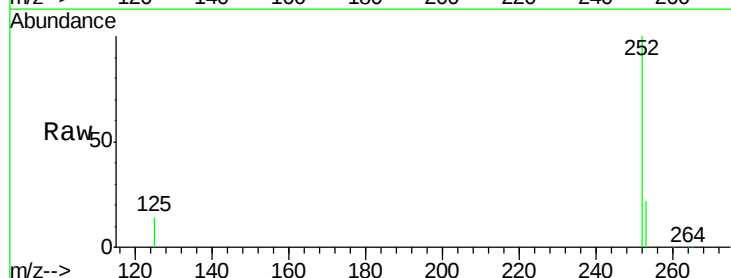
Concen: 7.76 ng

RT: 25.43 min Scan# 4159

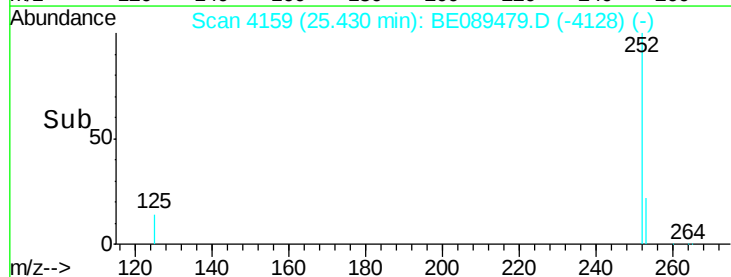
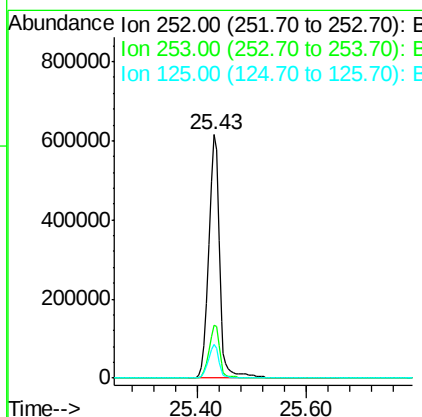
Delta R.T. 0.01 min

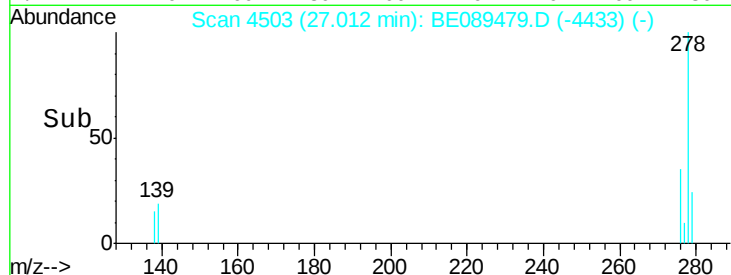
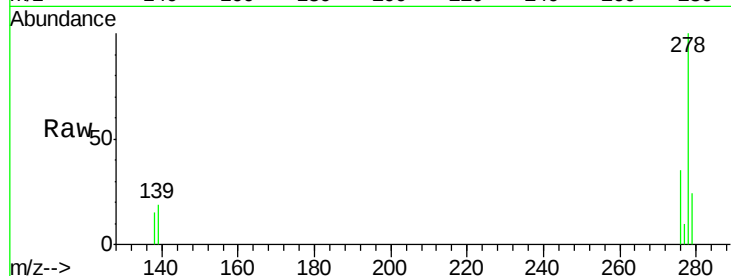
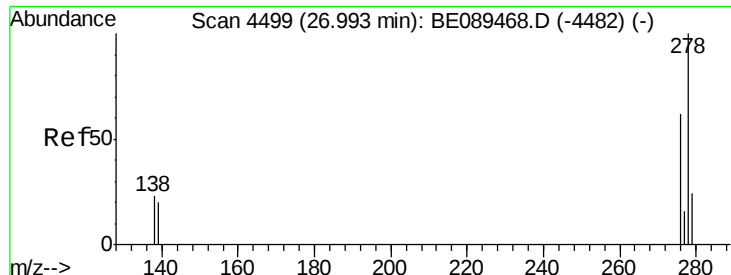
Lab File: BE089479.D

Acq: 4 Feb 2015 00:46



Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.8	18.2	27.2	
125	13.7	12.2	18.4	





#31

Dibenzo(a,h)anthracene

Concen: 7.76 ng

RT: 27.01 min Scan# 4503

Delta R.T. 0.02 min

Lab File: BE089479.D

Acq: 4 Feb 2015 00:46

Instrument :

BNA_E

ClientSampleId :

PB81408BS

Tgt Ion: 278 Resp: 888913

Ion Ratio Lower Upper

278 100

139 18.8 16.8 25.2

279 23.8 19.4 29.0

Manual Integrations
APPROVED

apatel
2/4/2015 2:55:26 PM

