

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089577.D
 Acq On : 16 Feb 2015 20:25
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE021615

Manual Integrations
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Quant Time: Feb 17 09:56:55 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 17 01:13:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	79494	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	319753	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	157601	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	307289	5.00	ng	0.00
20) Chrysene-d12	23.66	240	317813	5.00	ng	0.00
27) Perylene-d12	25.34	264	274710	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	21680	0.96	ng	0.00
4) Phenol-d6	8.62	99	28665	0.95	ng	0.00
8) Nitrobenzene-d5	10.61	82	12810	0.97	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	3273	0.94	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	42598	1.00	ng	0.00
22) Terphenyl-d14	22.30	244	44501	1.03	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.36	42	10496	0.88	ng	86
5) Phenol	8.65	94	31283	0.97	ng	95
6) bis(2-Chloroethyl)ether	8.83	93	24322	0.99	ng	# 97
9) Nitrobenzene	10.65	77	15478	0.96	ng	99
10) 2,4-Dimethylphenol	11.59	122	17781	0.97	ng	100
11) 2,4-Dichlorophenol	11.97	162	14067	0.98	ng	99
12) Hexachlorobutadiene	12.64	225	9816	1.00	ng	100
16) 2,4-Dinitrophenol	16.66	184	491	1.14	ng	94
18) Hexachlorobenzene	19.00	284	13197	1.02	ng	97
19) Pentachlorophenol	19.44	266	2011	0.91	ng	98
21) Benzidine	21.96	184	16785	0.69	ng	99
23) Benzo(a)anthracene	23.64	228	289785	0.95	ng	96
24) 3,3'-Dichlorobenzidine	23.63	252	16931m	0.80	ng	
25) Chrysene	23.69	228	308803	1.01	ng	99
26) Indeno(1,2,3-cd)pyrene	26.75	276	59555m	0.79	ng	
28) Benzo(b)fluoranthene	24.92	252	48360	0.84	ng	99
29) Benzo(k)fluoranthene	24.94	252	78129	1.06	ng	98
30) Benzo(a)pyrene	25.28	252	46475	0.85	ng	99
31) Dibenzo(a,h)anthracene	26.78	278	45391	0.82	ng	99

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

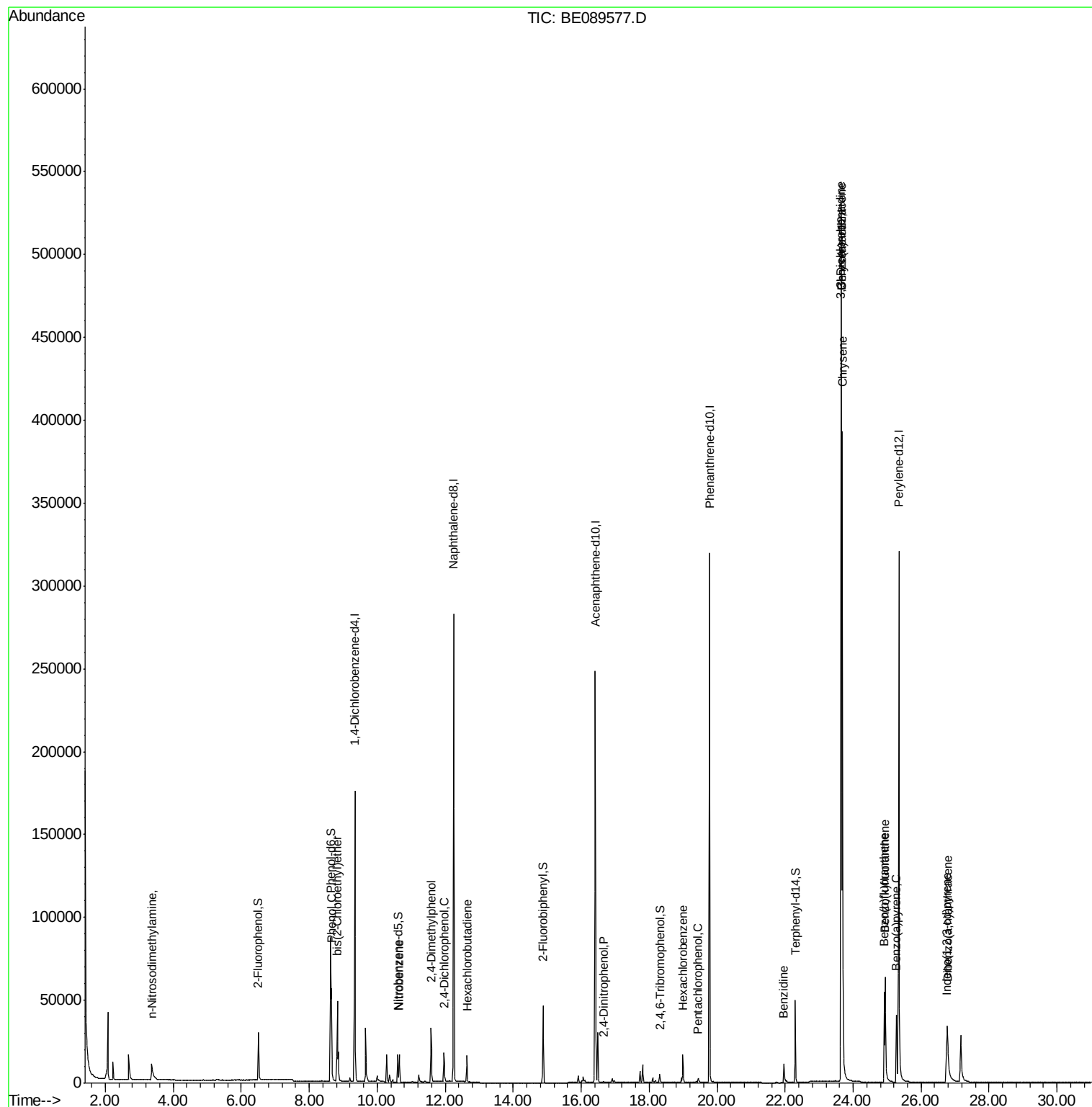
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
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Sample : SSTDICV001
Misc :
ALS Vial : 5 Sample Multiplier: 1

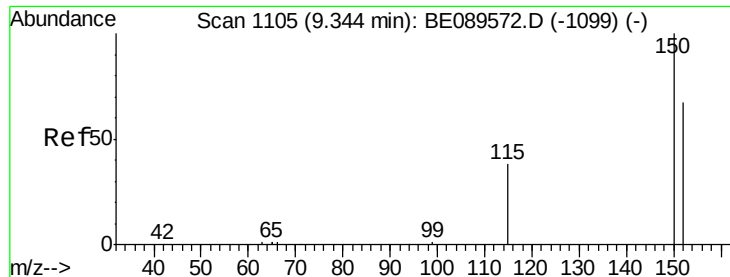
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

ClientSampleId :

ICVBE021615

Tot Ion:152 Resp: 79494

Ion Ratio Lower Upper

152 100

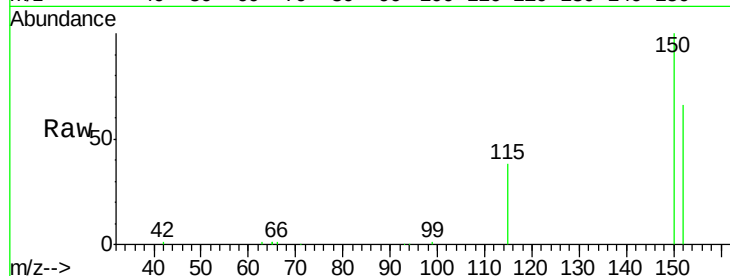
150 152.0 120.2 180.2

115 57.1 45.2 67.8

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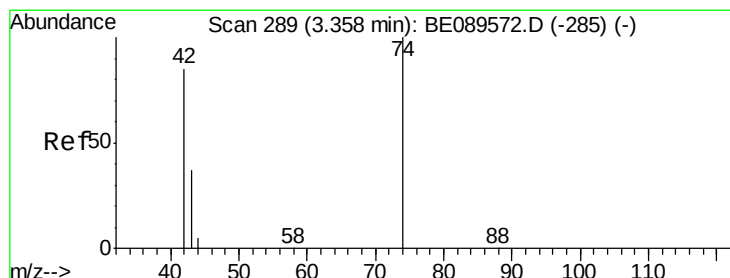
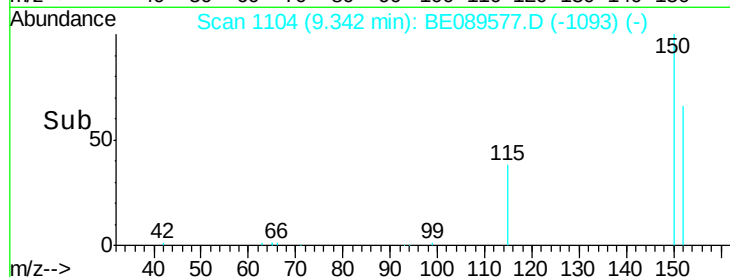
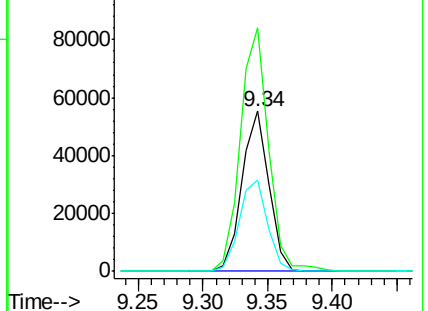
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.88 ng

RT: 3.36 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

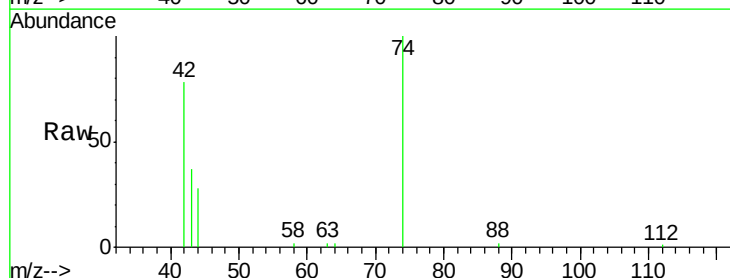
Tgt Ion: 42 Resp: 10496

Ion Ratio Lower Upper

42 100

74 127.9 90.1 135.1

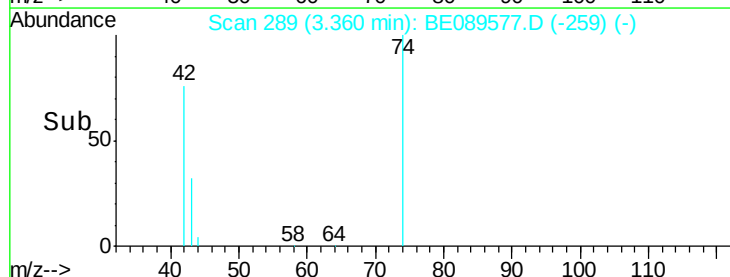
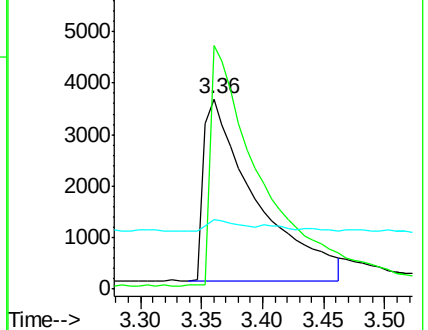
44 36.2 35.0 52.4

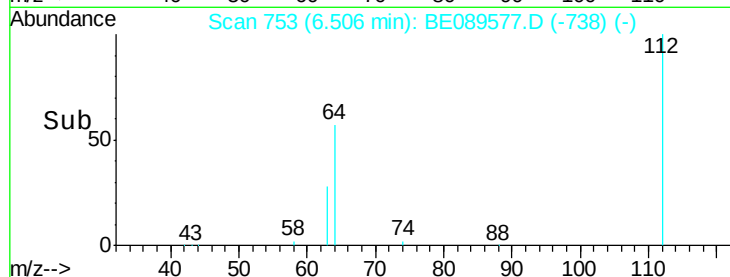
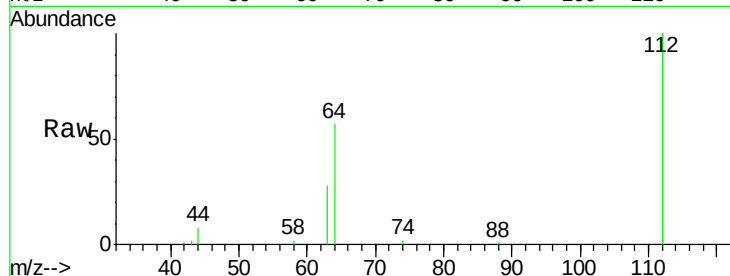
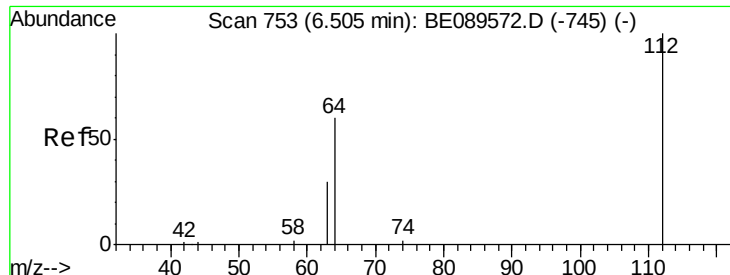


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





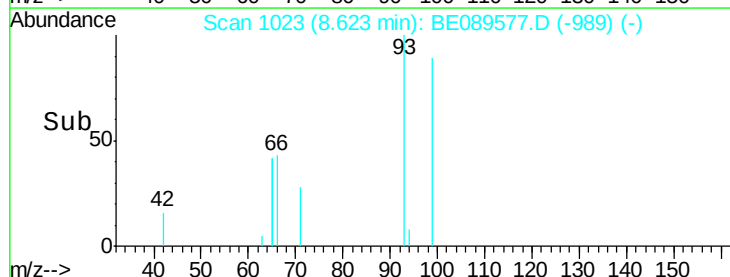
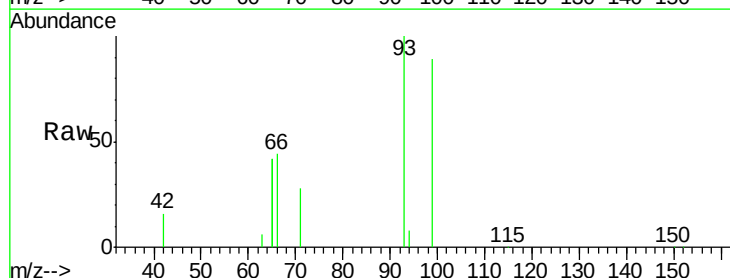
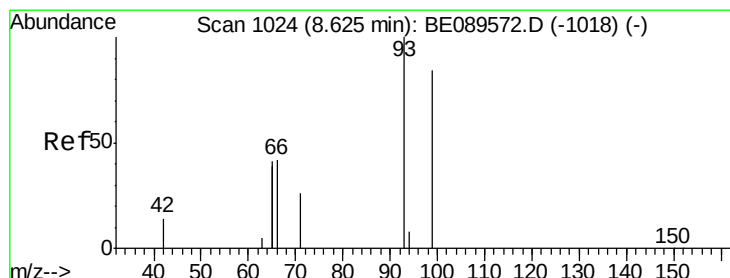
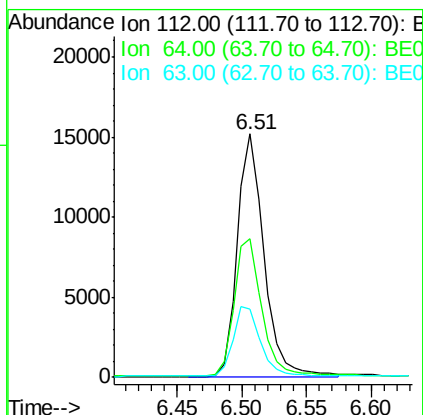
#3
2-Fluorophenol
Concen: 0.96 ng
RT: 6.51 min Scan# 753
Delta R.T. 0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Tot Ion	Ratio	Resp	Lower	Upper
112	100	21680		
64	57.0		48.6	72.8
63	28.2		24.6	37.0

Instrument :
BNA_E
ClientSampleId :
ICVBE021615

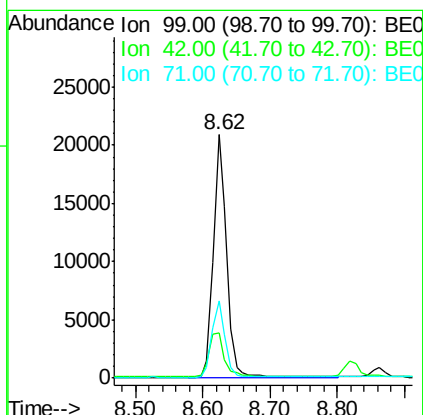
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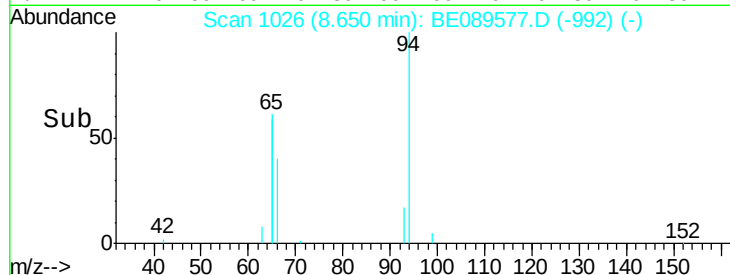
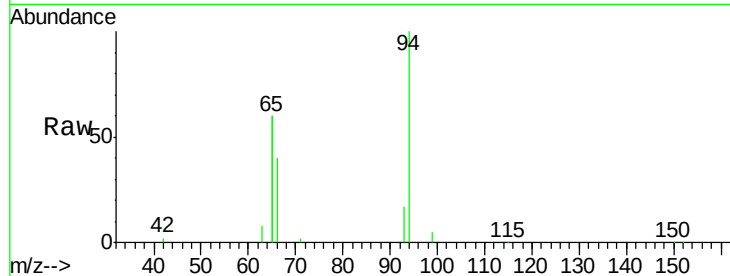
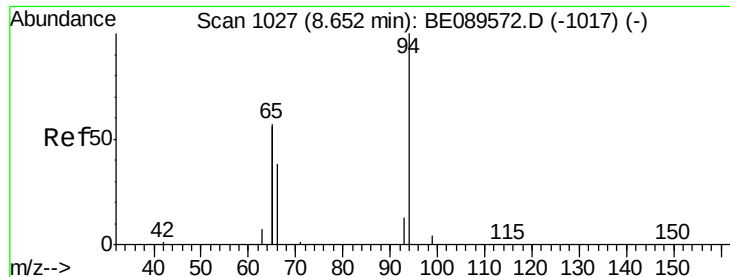
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#4
Phenol-d6
Concen: 0.95 ng
RT: 8.62 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	28665		
42	18.4		13.9	20.9
71	31.8		25.2	37.8





#5

Phenol

Concen: 0.97 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Tot Ion:	94	Resp:	31283
Ion	Ratio	Lower	Upper
94	100		
65	120.6	94.5	134.5
66	40.4	18.2	58.2

Instrument :

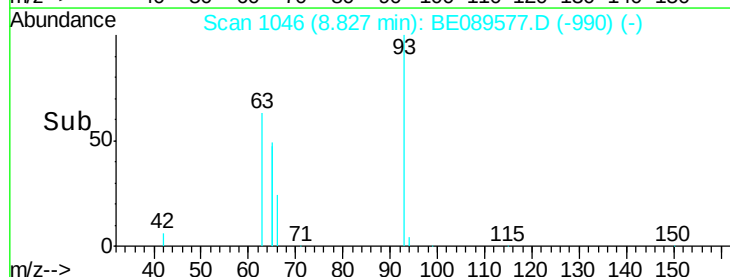
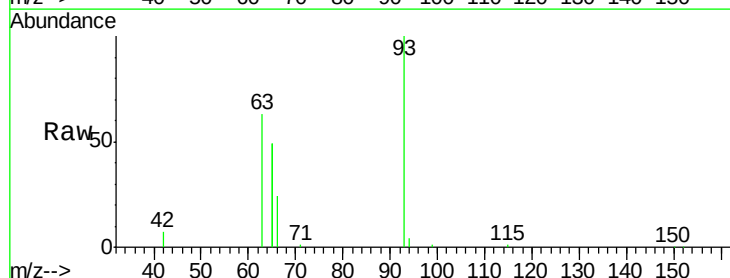
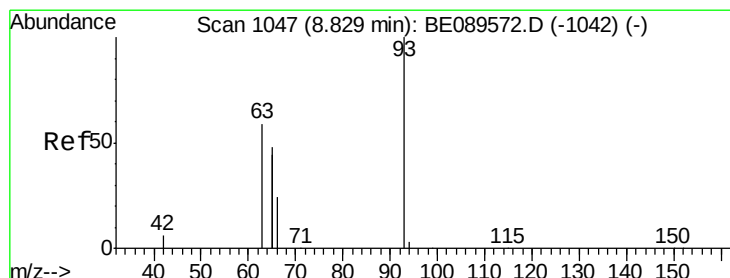
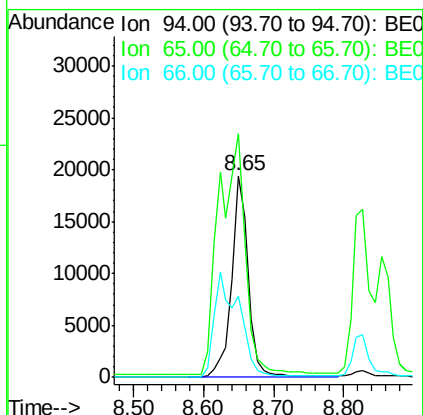
BNA_E

ClientSampleId :

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#6

bis(2-Chloroethyl)ether

Concen: 0.99 ng

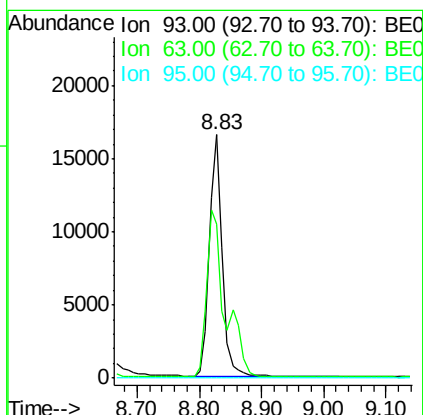
RT: 8.83 min Scan# 1046

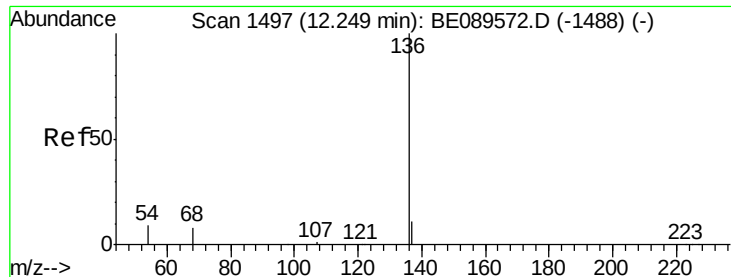
Delta R.T. -0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Tgt Ion:	93	Resp:	24322
Ion	Ratio	Lower	Upper
93	100		
63	98.7	81.7	122.5
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

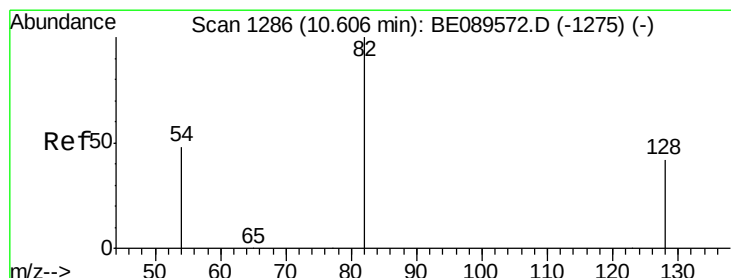
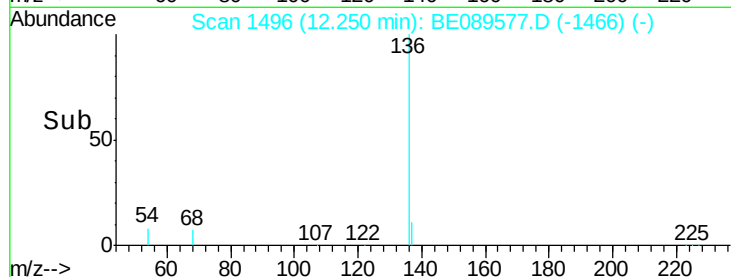
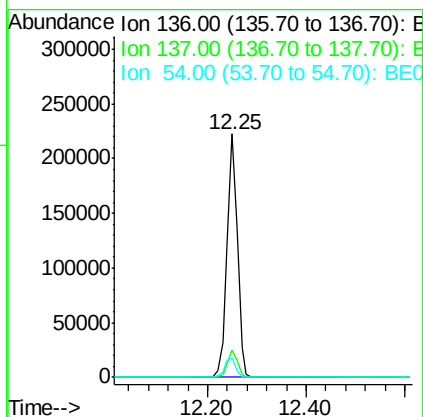
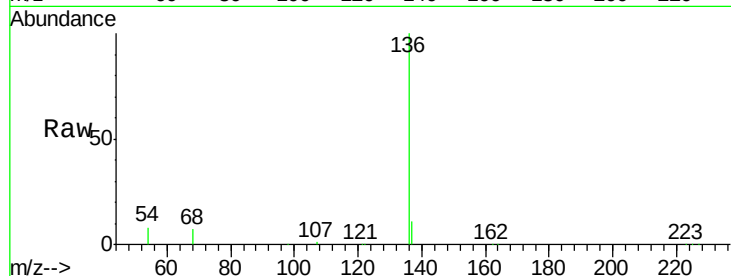
ClientSampleId :

ICVBE021615

Tot Ion:	136	Resp:	319753
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	8.0	7.0	10.4

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#8

Nitrobenzene-d5

Concen: 0.97 ng

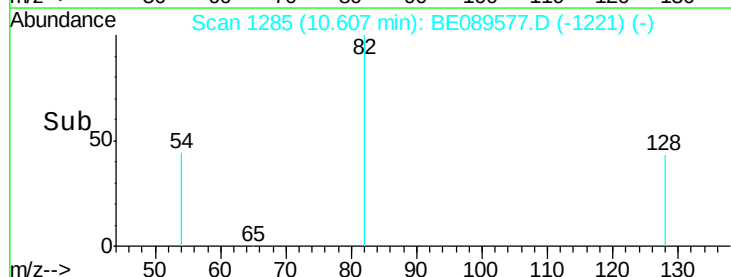
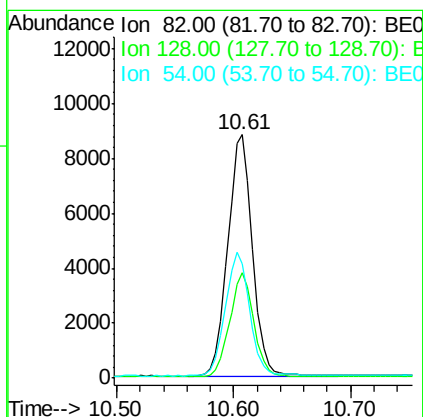
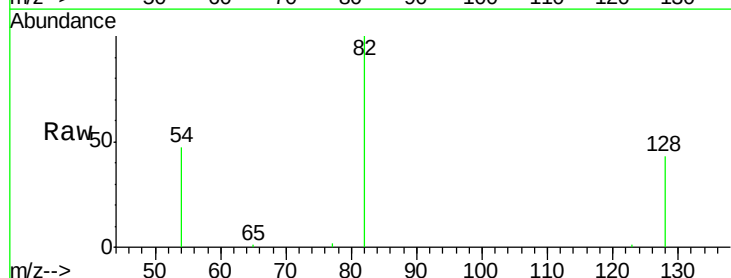
RT: 10.61 min Scan# 1285

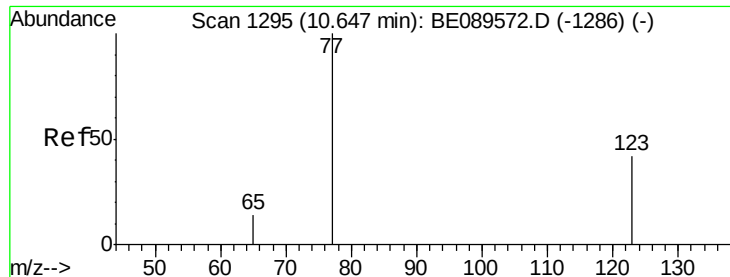
Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Tgt Ion:	82	Resp:	12810
Ion Ratio	Lower	Upper	
82	100		
128	43.3	33.8	50.6
54	46.8	39.0	58.6





#9

Nitrobenzene

Concen: 0.96 ng

RT: 10.65 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

ClientSampleId :

ICVBE021615

Tot Ion: 77 Resp: 15478

Ion Ratio Lower Upper

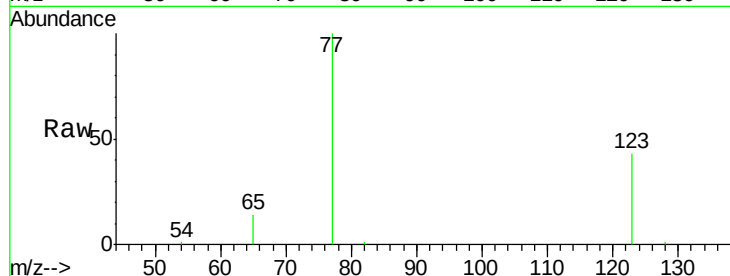
77 100

123 43.7 34.4 51.6

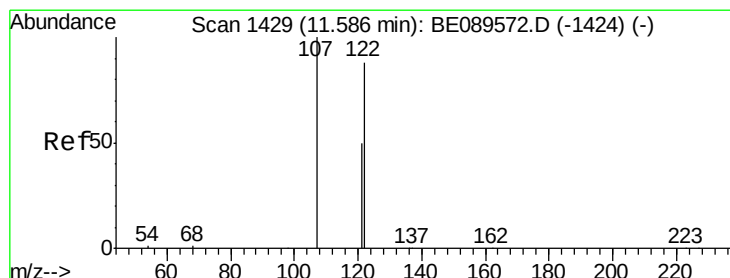
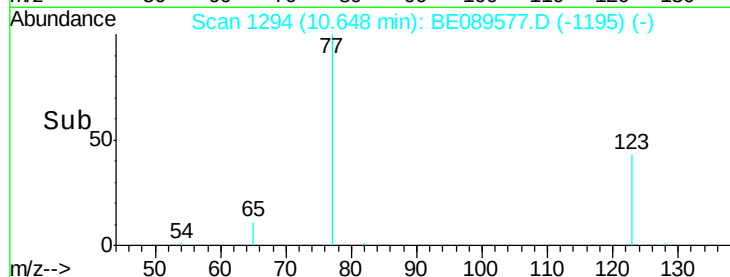
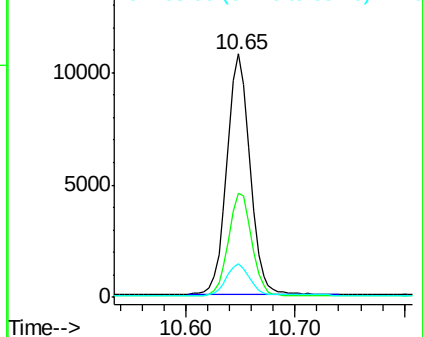
65 13.7 11.4 17.2

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



#10

2,4-Dimethylphenol

Concen: 0.97 ng

RT: 11.59 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

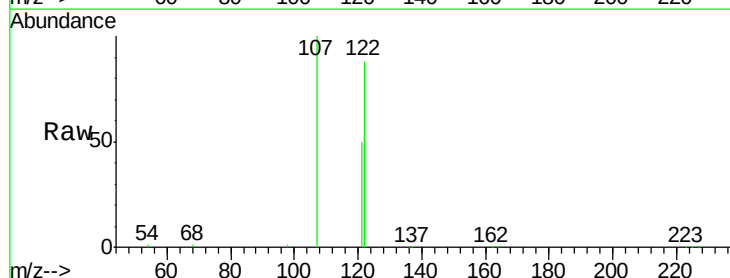
Tgt Ion: 122 Resp: 17781

Ion Ratio Lower Upper

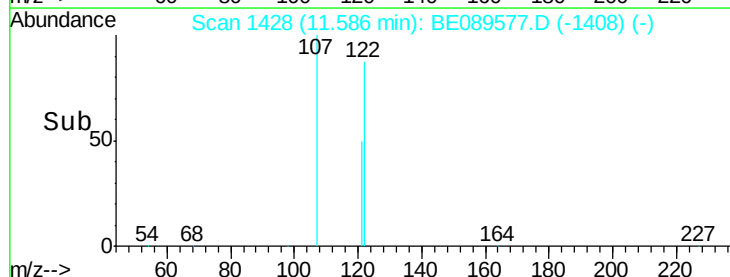
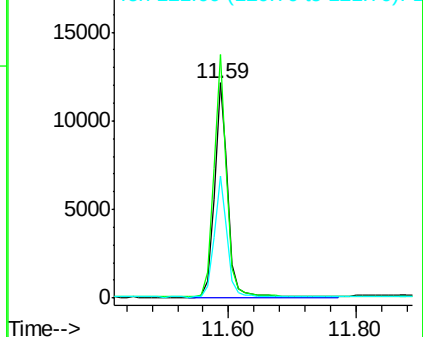
122 100

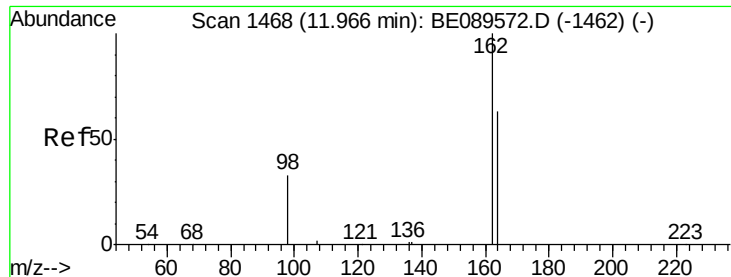
107 113.2 90.9 136.3

121 56.9 45.4 68.2



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





#11

2,4-Dichlorophenol

Concen: 0.98 ng

RT: 11.97 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

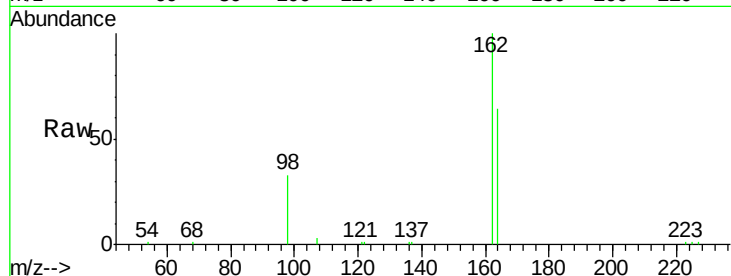
ClientSampleId :

ICVBE021615

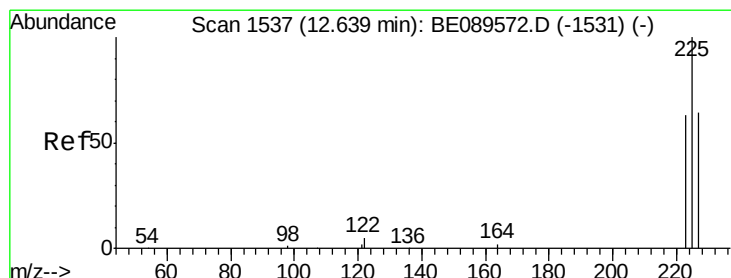
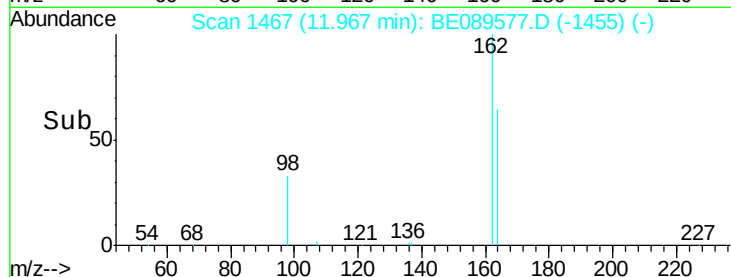
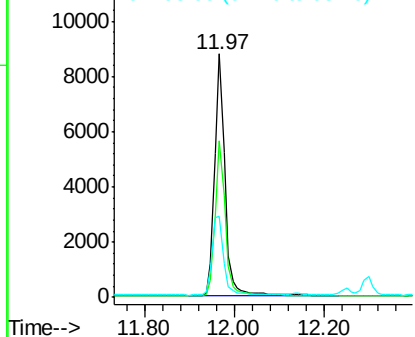
Tot Ion:	162	Resp:	14067
Ion Ratio	Lower	Upper	
162	100		
164	64.2	43.4	83.4
98	33.5	14.6	54.6

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



#12

Hexachlorobutadiene

Concen: 1.00 ng

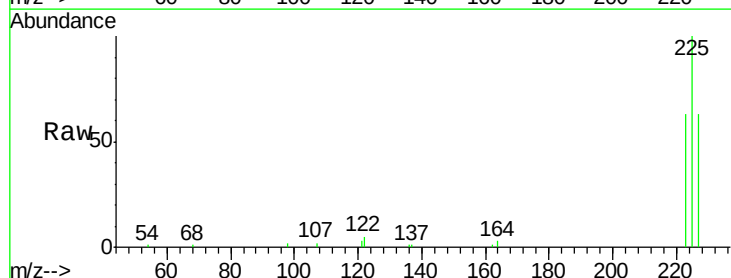
RT: 12.64 min Scan# 1536

Delta R.T. 0.00 min

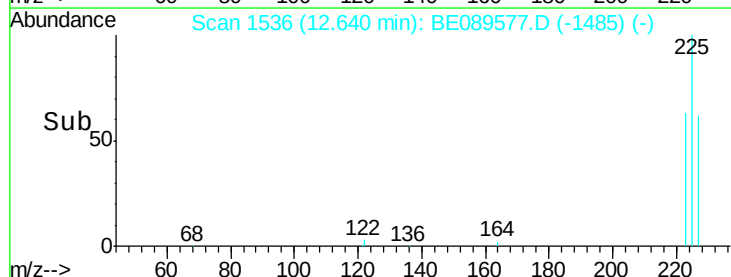
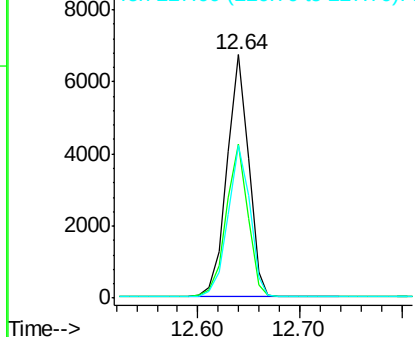
Lab File: BE089577.D

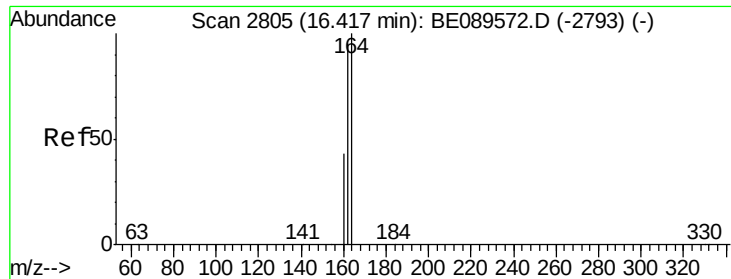
Acq: 16 Feb 2015 20:25

Tgt Ion:	225	Resp:	9816
Ion Ratio	Lower	Upper	
225	100		
223	63.1	50.4	75.6
227	64.0	51.0	76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2803

Delta R.T. -0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

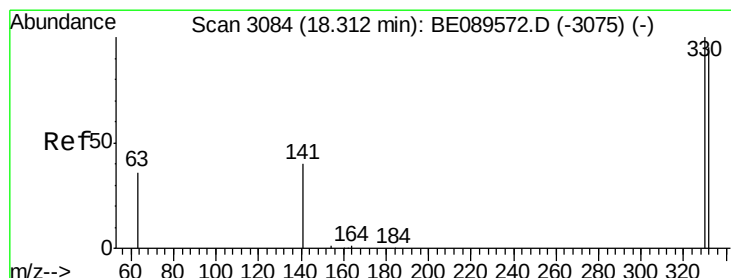
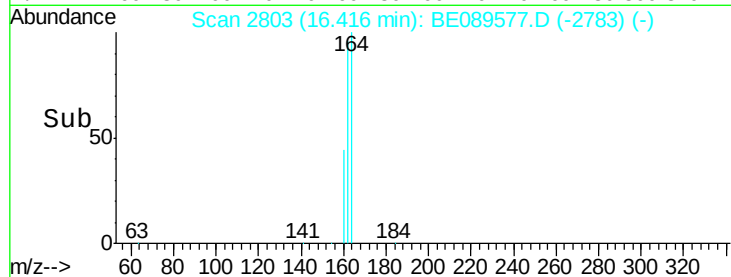
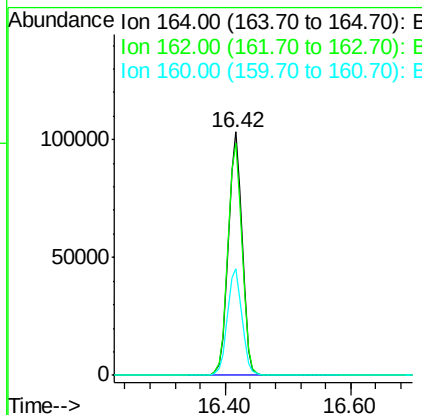
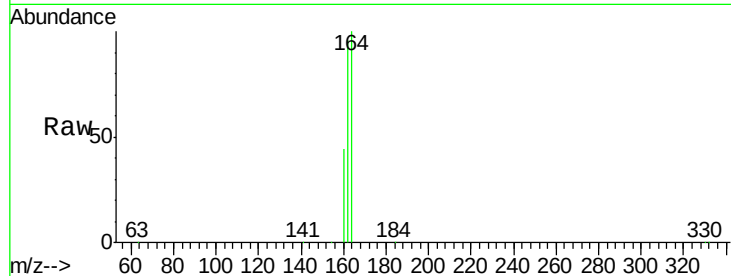
ClientSampleId :

ICVBE021615

Tot Ion:	164	Resp:	157601
Ion Ratio	Lower	Upper	
164	100		
162	95.6	76.2	114.4
160	44.0	34.7	52.1

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.94 ng

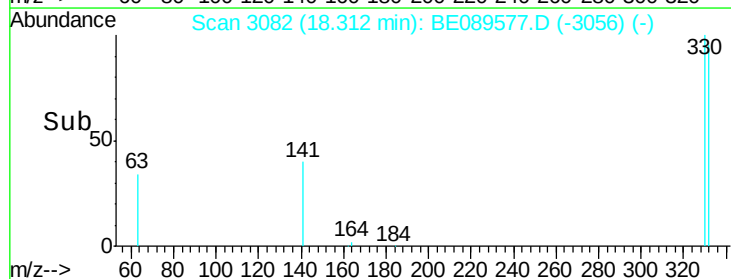
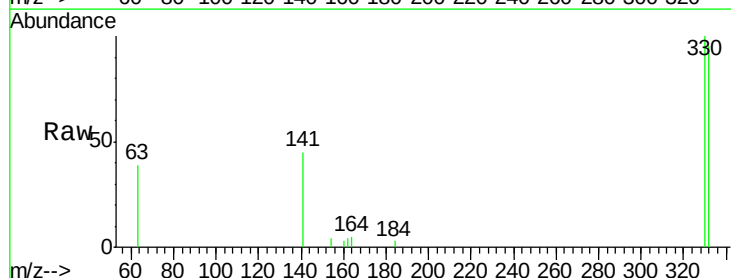
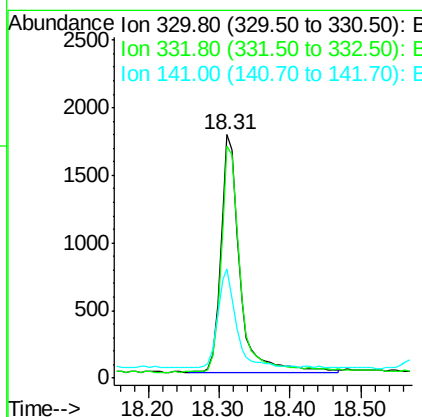
RT: 18.31 min Scan# 3082

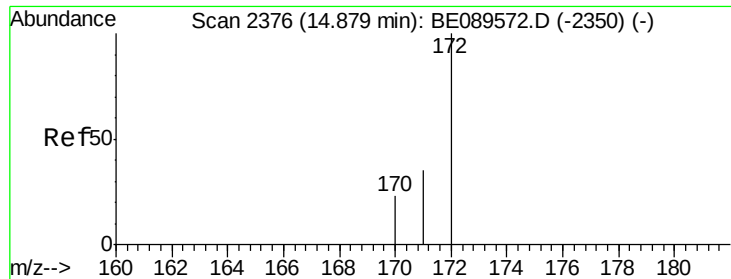
Delta R.T. -0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Tgt Ion:	330	Resp:	3273
Ion Ratio	Lower	Upper	
330	100		
332	97.9	78.3	117.5
141	40.7	33.4	50.0





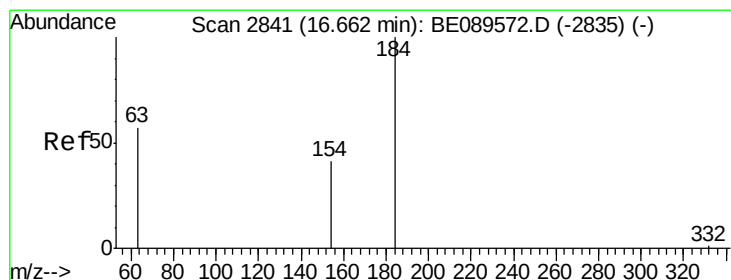
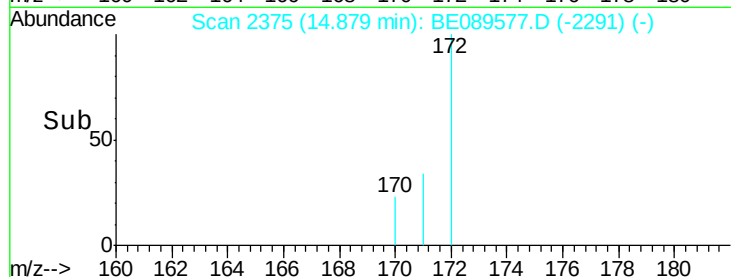
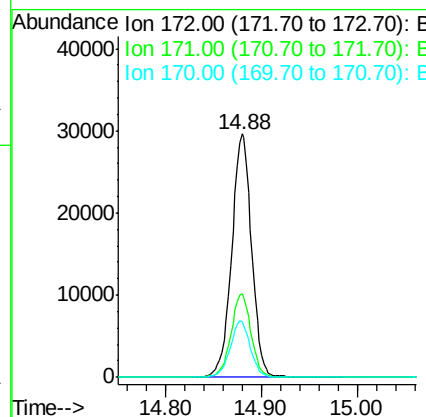
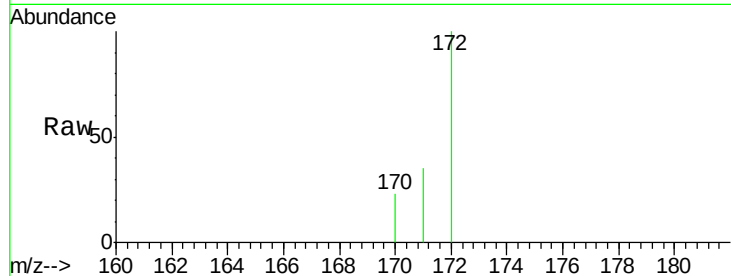
#15
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 14.88 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Instrument :
BNA_E
ClientSampleId :
ICVBE021615

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	22.8	18.5	27.7

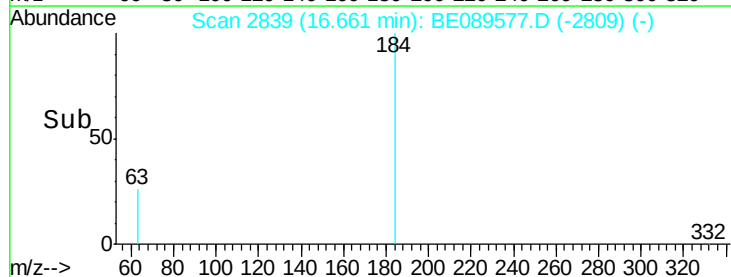
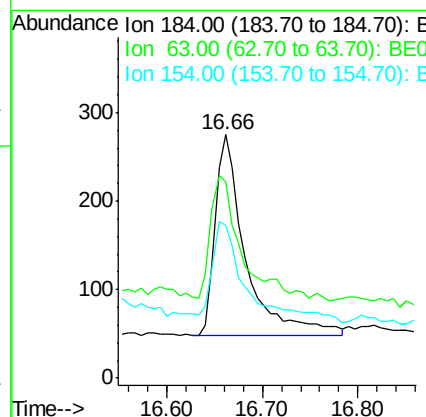
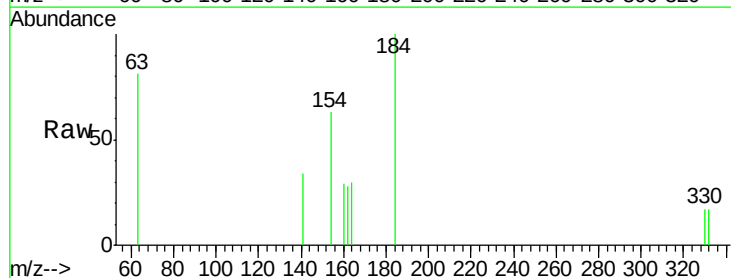
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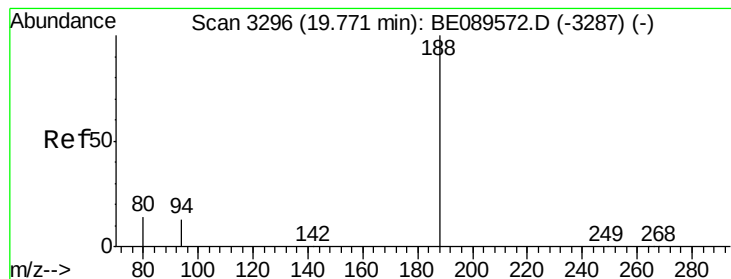
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#16
2,4-Dinitrophenol
Concen: 1.14 ng
RT: 16.66 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	80.7	70.8	106.2
154	62.9	52.9	79.3





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3294

Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

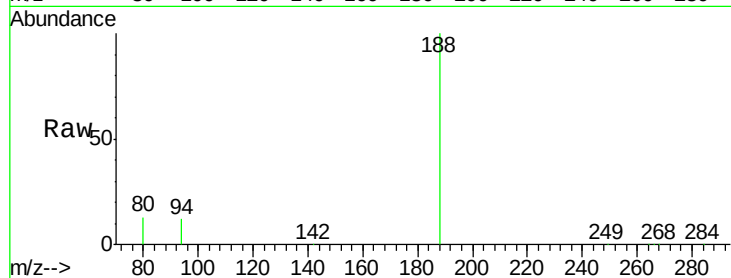
ClientSampleId :

ICVBE021615

Tot Ion:	188	Resp:	307289
Ion Ratio	Lower	Upper	
188	100		
94	12.1	10.2	15.4
80	12.5	11.0	16.6

Manual Integrations
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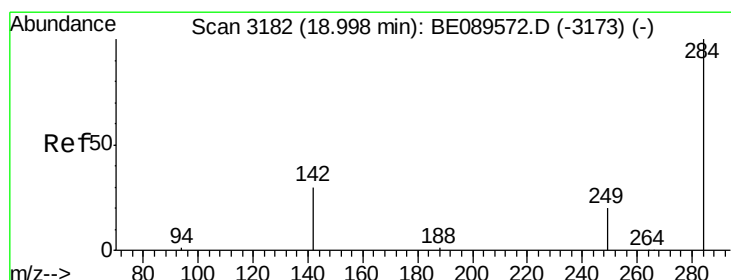
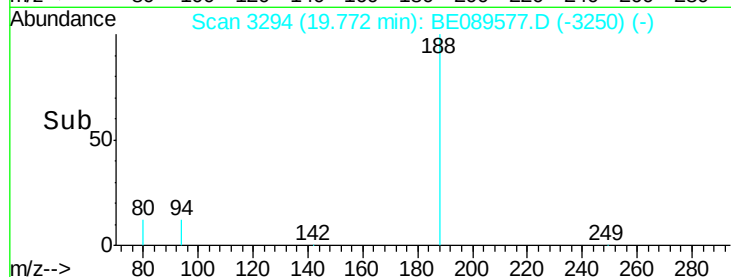
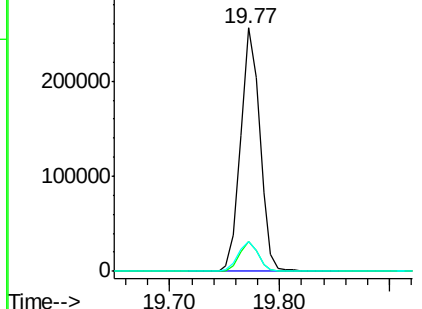
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 1.02 ng

RT: 19.00 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BE089577.D

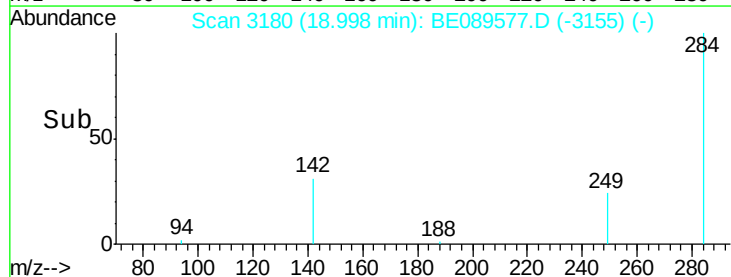
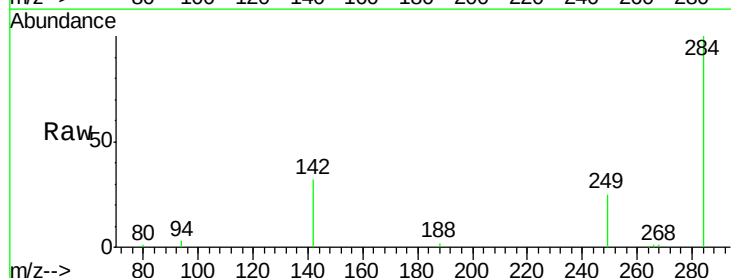
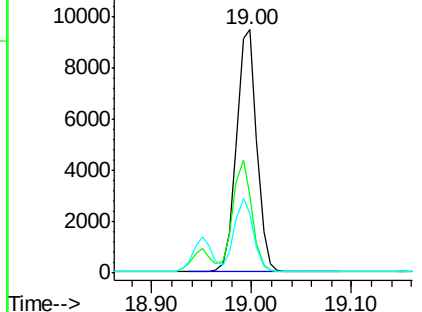
Acq: 16 Feb 2015 20:25

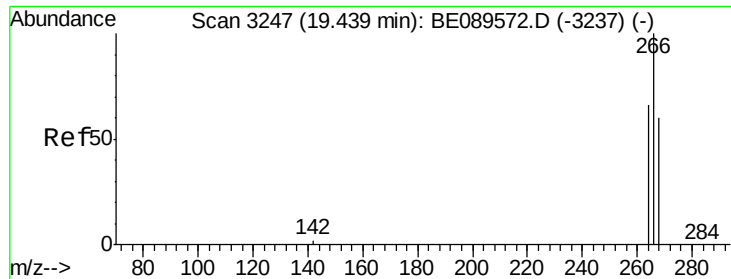
Tgt Ion:	284	Resp:	13197
Ion Ratio	Lower	Upper	
284	100		
142	31.9	27.6	41.4
249	24.5	20.0	30.0

Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





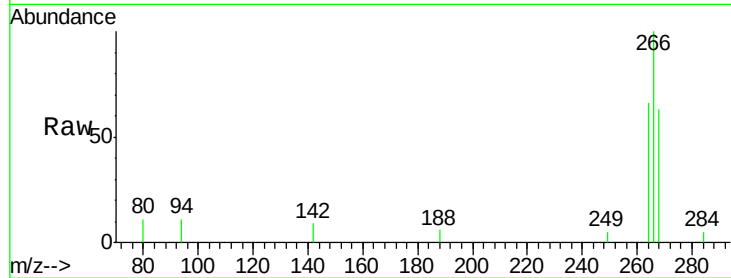
#19
 Pentachlorophenol
 Concen: 0.91 ng
 RT: 19.44 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: BE089577.D
 Acq: 16 Feb 2015 20:25

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE021615

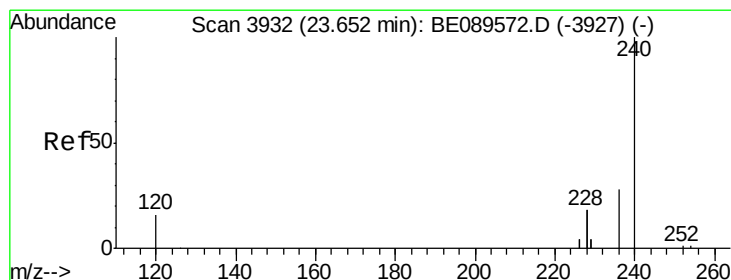
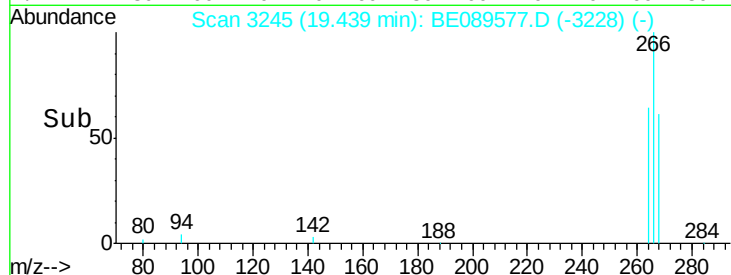
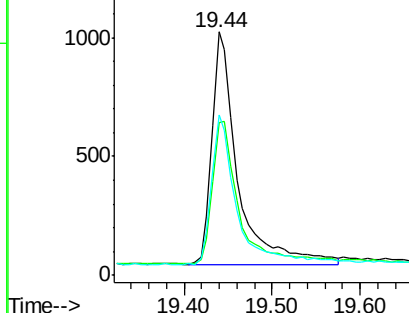
Tot Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.2	75.4
264	65.8	54.4	81.6

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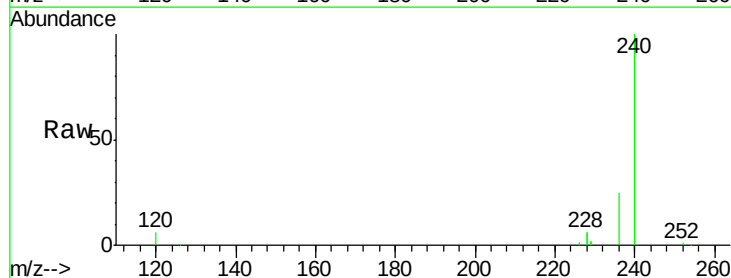


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

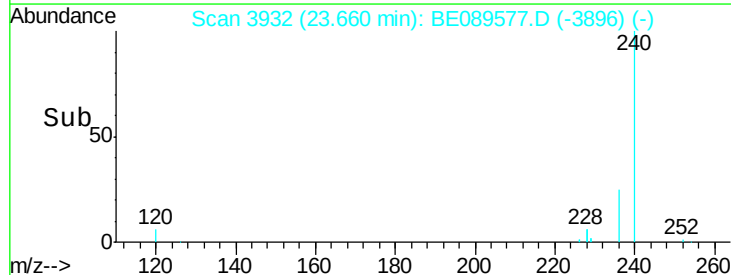
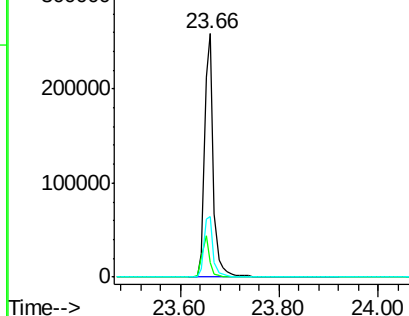


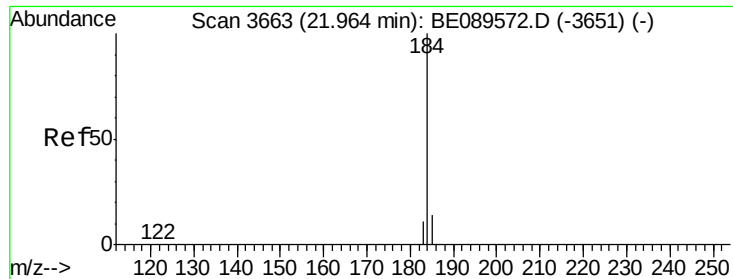
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3932
 Delta R.T. 0.01 min
 Lab File: BE089577.D
 Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	12.7	19.1#
236	24.8	22.7	34.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





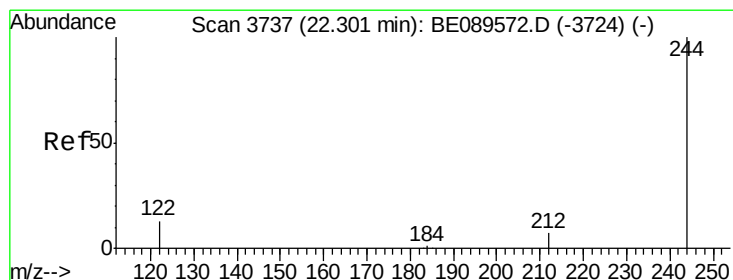
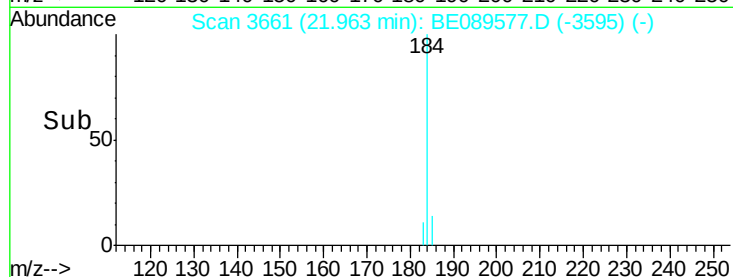
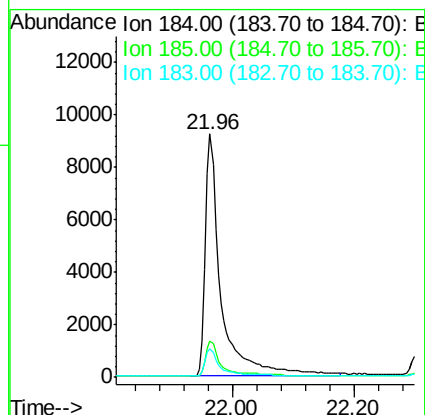
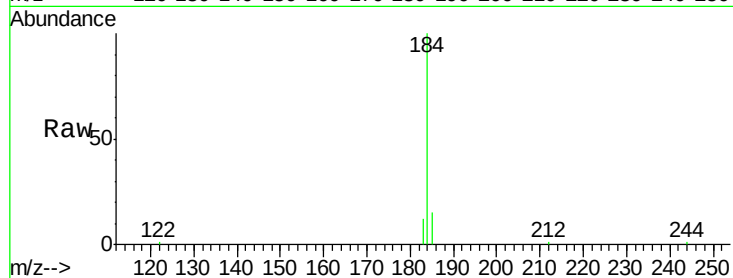
#21
Benzidine
Concen: 0.69 ng
RT: 21.96 min Scan# 3661
Delta R.T. -0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Instrument :
BNA_E
ClientSampleId :
ICVBE021615

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	11.6	8.9	13.3

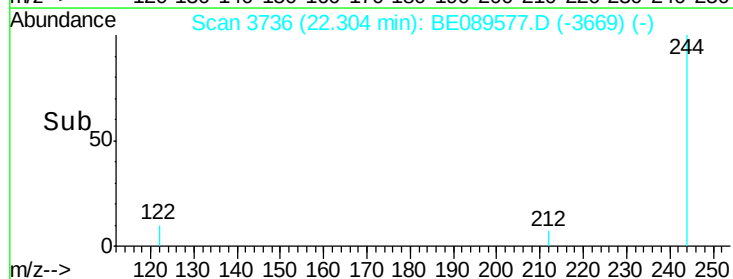
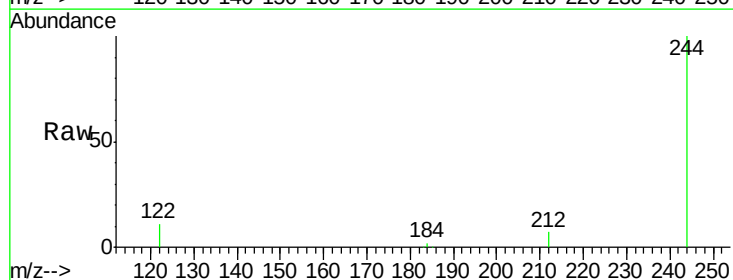
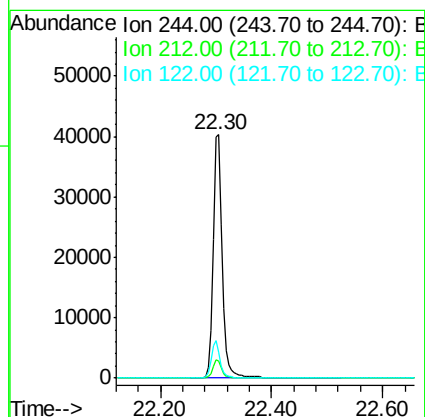
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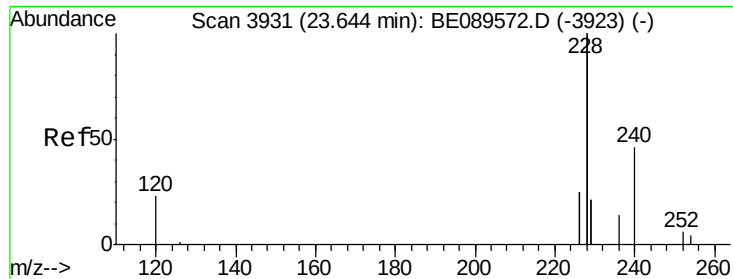
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#22
Terphenyl-d14
Concen: 1.03 ng
RT: 22.30 min Scan# 3736
Delta R.T. 0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.5	10.2	15.2





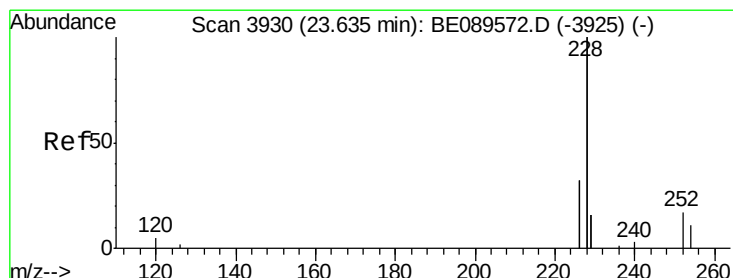
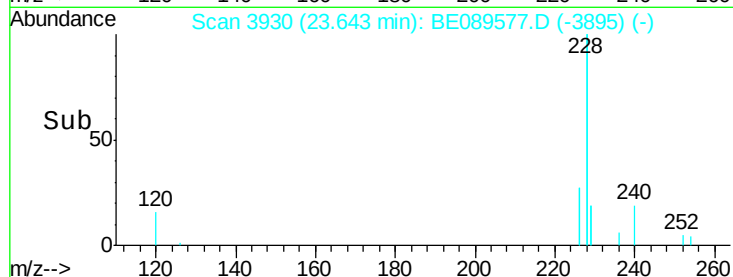
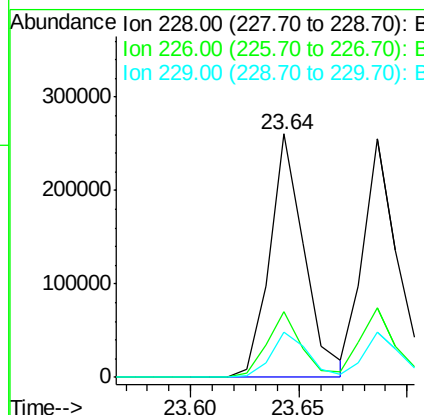
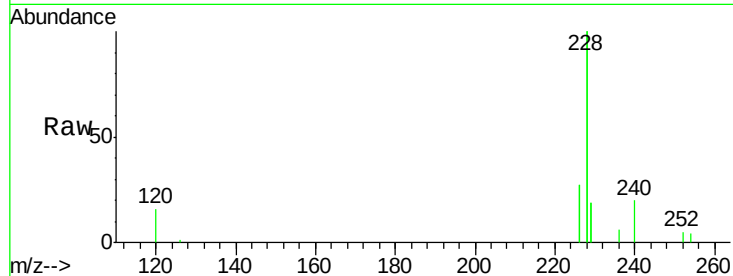
#23
Benzo(a)anthracene
Concen: 0.95 ng
RT: 23.64 min Scan# 3930
Delta R.T. -0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Instrument :
BNA_E
ClientSampleId :
ICVBE021615

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	19.9	29.9
229	18.7	16.6	24.8

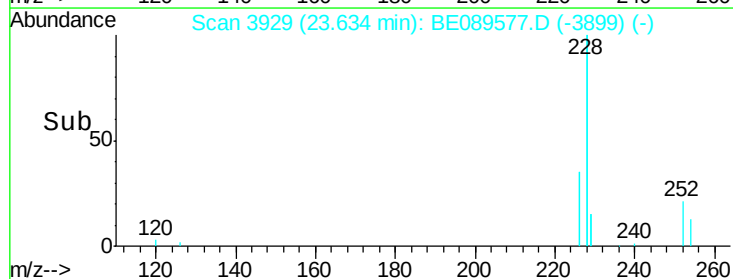
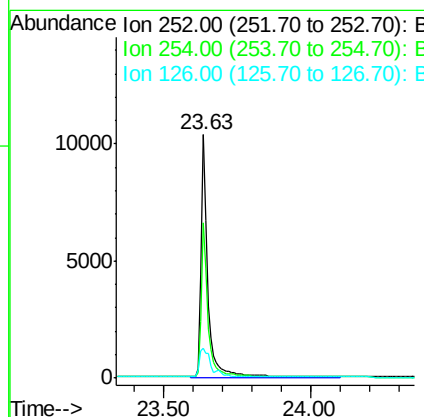
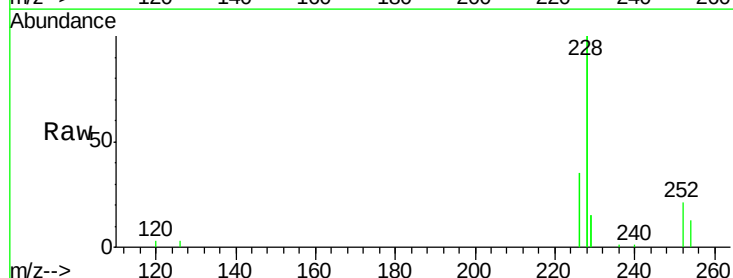
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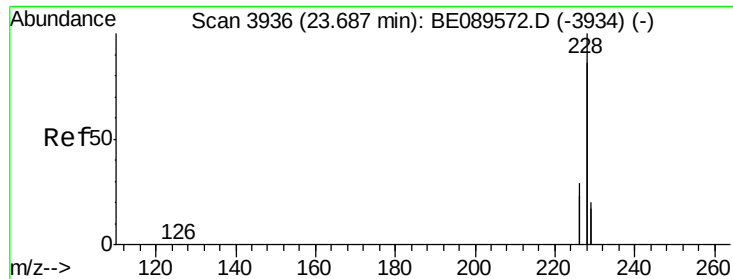
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#24
3,3'-Dichlorobenzidine
Concen: 0.80 ng m
RT: 23.63 min Scan# 3929
Delta R.T. -0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.0	76.4
126	12.0	8.3	12.5





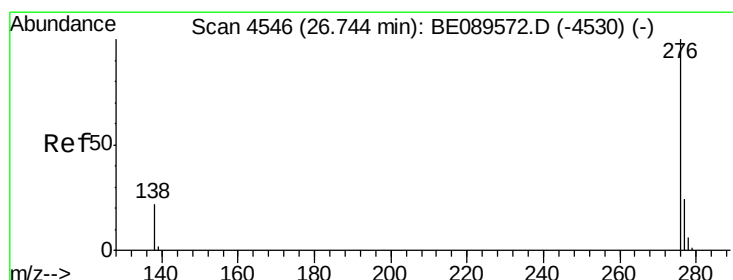
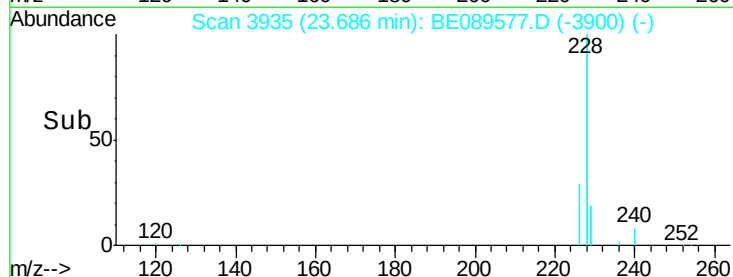
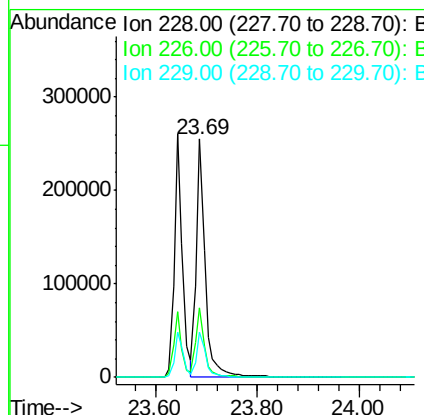
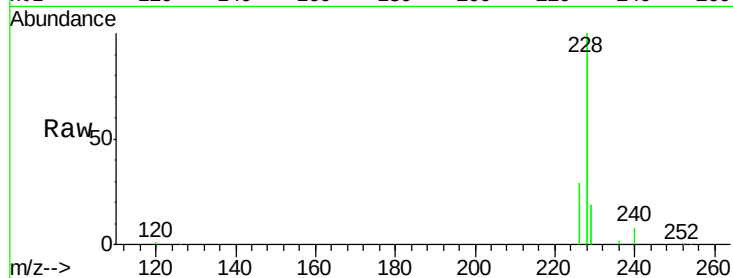
#25
Chrysene
Concen: 1.01 ng
RT: 23.69 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Instrument :
BNA_E
ClientSampleId :
ICVBE021615

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.1	22.9	34.3	
229	19.2	15.8	23.6	

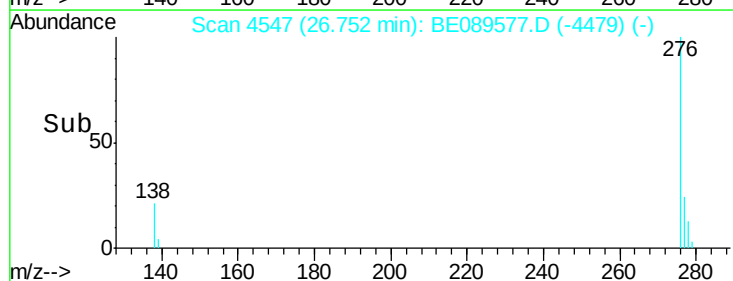
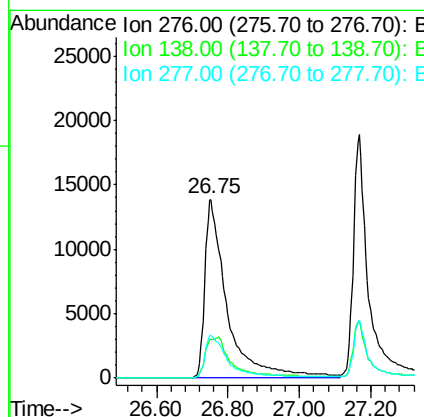
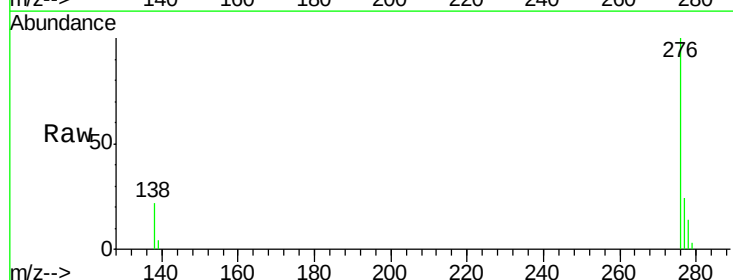
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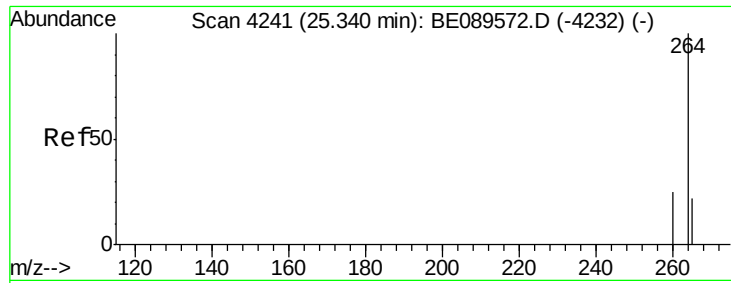
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#26
Indeno(1,2,3-cd)pyrene
Concen: 0.79 ng m
RT: 26.75 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BE089577.D
Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	0.0	22.1	33.1#	
277	24.2	19.4	29.2	





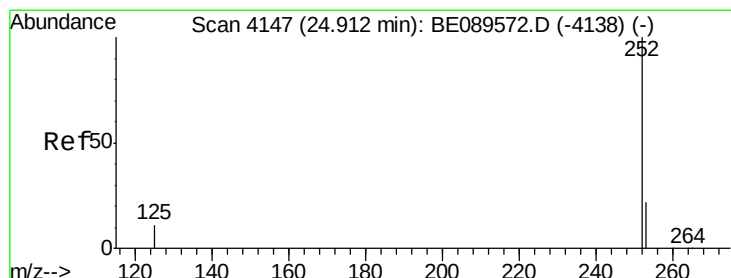
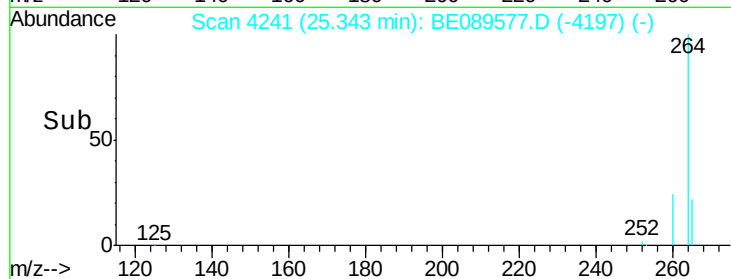
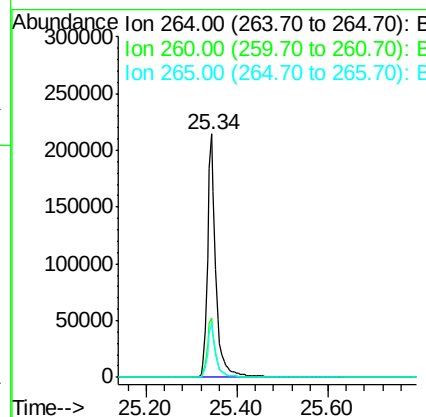
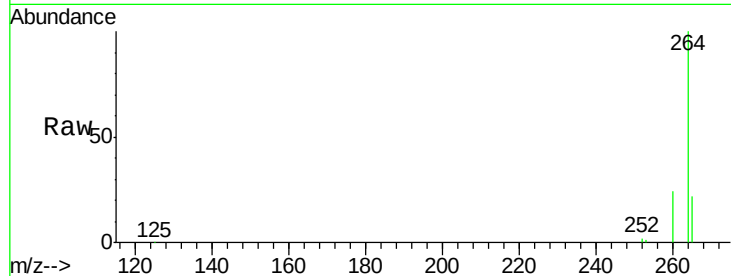
#27
 Pervlene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4241
 Delta R.T. 0.00 min
 Lab File: BE089577.D
 Acq: 16 Feb 2015 20:25

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE021615

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	22.1	17.5	26.3

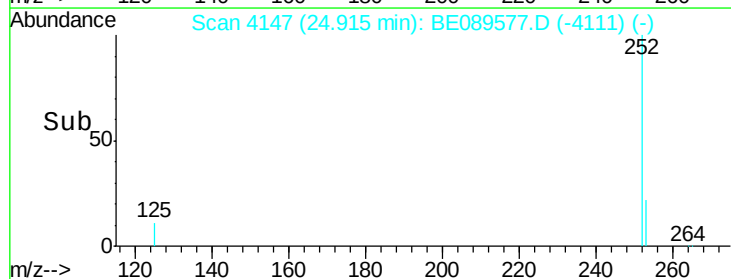
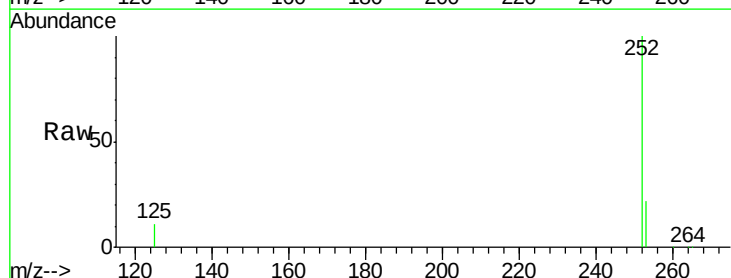
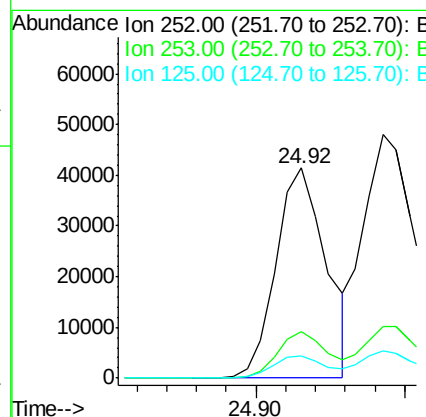
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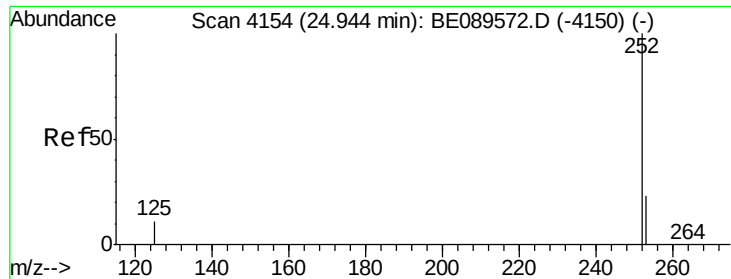
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#28
 Benzo(b)fluoranthene
 Concen: 0.84 ng
 RT: 24.92 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: BE089577.D
 Acq: 16 Feb 2015 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.9	9.0	13.4





#29

Benzo(k)fluoranthene

Concen: 1.06 ng

RT: 24.94 min Scan# 4153

Delta R.T. -0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

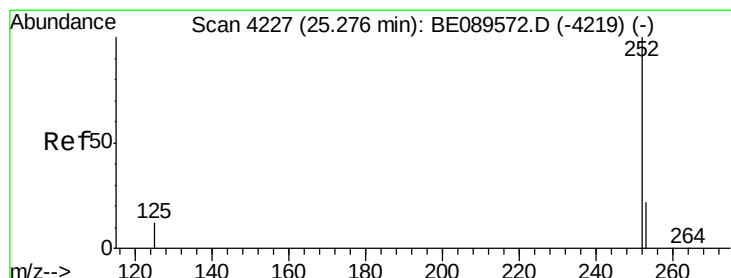
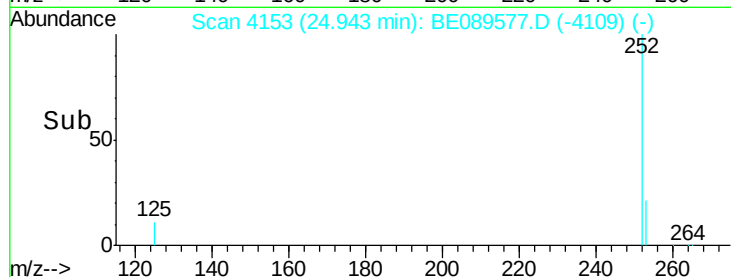
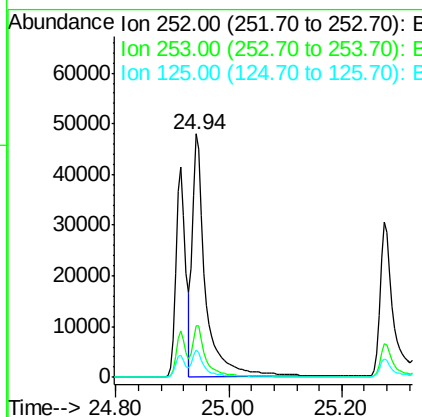
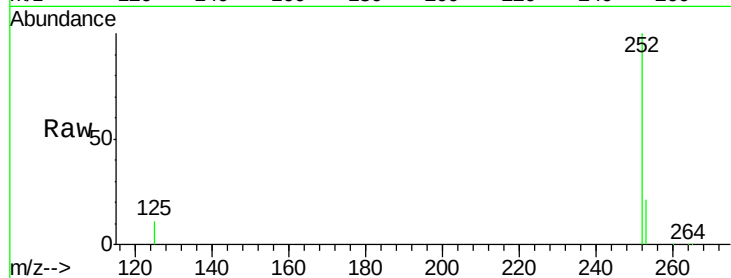
ClientSampleId :

ICVBE021615

Tot Ion:	252	Resp:	78129
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.2
125	11.2	8.9	13.3

Manual Integrations
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#30

Benzo(a)pyrene

Concen: 0.85 ng

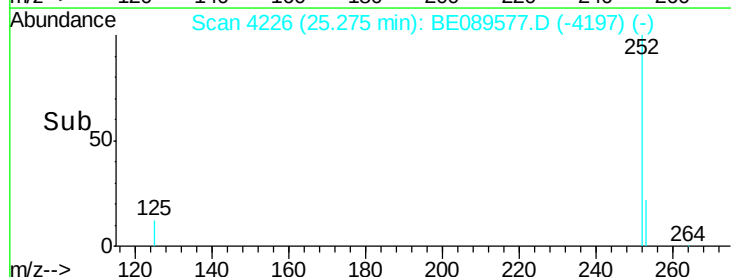
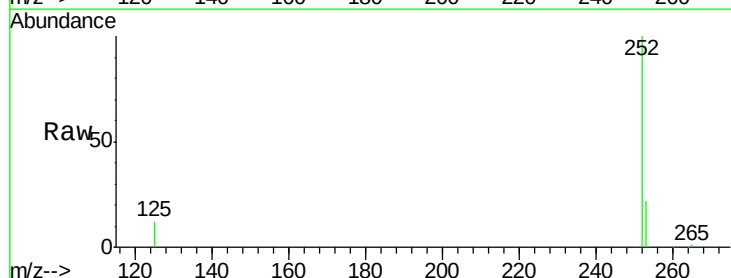
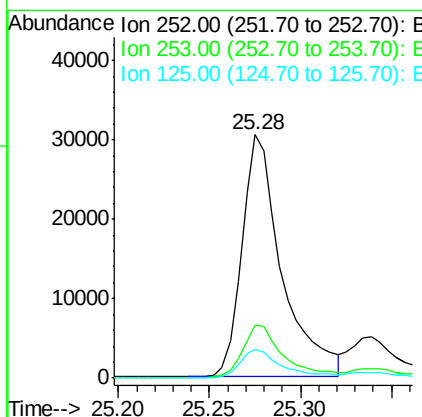
RT: 25.28 min Scan# 4226

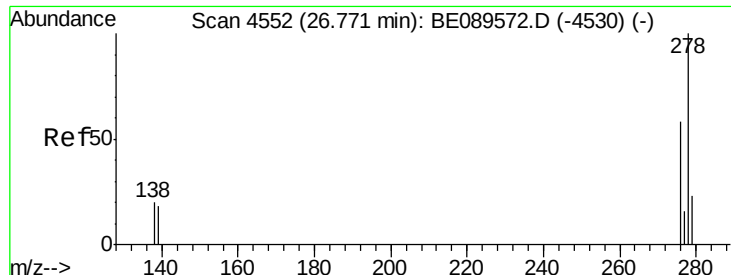
Delta R.T. 0.00 min

Lab File: BE089577.D

Acq: 16 Feb 2015 20:25

Tgt Ion:	252	Resp:	46475
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.9	26.9
125	12.0	9.5	14.3





#31

Dibenzo(a,h)anthracene

Concen: 0.82 ng

RT: 26.78 min Scan# 4553

Delta R.T. 0.01 min

Lab File: BE089577.D

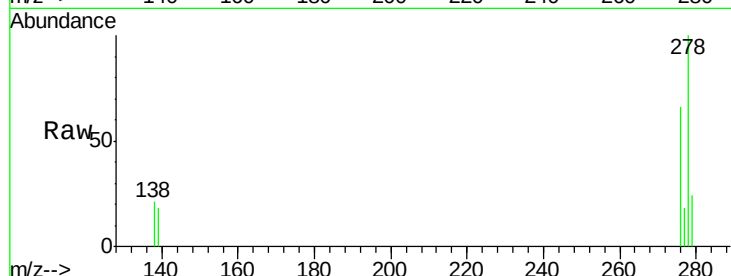
Acq: 16 Feb 2015 20:25

Instrument :

BNA_E

ClientSampleId :

ICVBE021615



Tot Ion: 278 Resp: 45391

Ion Ratio Lower Upper

278 100

139 17.5 14.7 22.1

279 24.1 19.0 28.4

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:31 PM

