

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010515\
 Data File : BE089321.D
 Acq On : 5 Jan 2015 19:15
 Operator : TP/IZ
 Sample : PB81193BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81193BS

Manual Integrations
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 1/7/2015 9:23:57 AM

Quant Time: Jan 06 13:37:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIM-BE121914.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 20 00:43:57 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	32145	5.00	ng	0.00
7) Naphthalene-d8	8.50	136	125823	5.00	ng	0.00
13) Acenaphthene-d10	10.65	164	57766	5.00	ng	0.00
17) Phenanthrene-d10	12.71	188	83722	5.00	ng	0.00
20) Chrysene-d12	18.06	240	55649	5.00	ng	0.00
27) Perylene-d12	21.10	264	49208	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.26	112	97625	13.97	ng	-0.01
4) Phenol-d6	6.55	99	120903	11.51	ng	0.00
8) Nitrobenzene-d5	7.64	82	66824	7.09	ng	0.00
14) 2,4,6-Tribromophenol	11.66	330	21226	13.58	ng	0.00
15) 2-Fluorobiphenyl	9.85	172	107933	6.59	ng	0.00
22) Terphenyl-d14	15.83	244	67670	6.81	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.69	42	39950	9.52	ng	# 81
5) Phenol	6.56	94	90645	7.21	ng	98
6) bis(2-Chloroethyl)ether	6.65	93	74114	7.65	ng	# 85
9) Nitrobenzene	7.66	77	73264	7.50	ng	98
10) 2,4-Dimethylphenol	8.14	122	53912	7.34	ng	87
11) 2,4-Dichlorophenol	8.36	162	47878	7.79	ng	92
12) Hexachlorobutadiene	8.68	225	24601	7.08	ng	100
16) 2,4-Dinitrophenol	10.77	184	21458	34.31	ng	# 50
18) Hexachlorobenzene	12.10	284	29065	7.21	ng	99
19) Pentachlorophenol	12.42	266	25602	26.76	ng	92
21) Benzidine	15.32	184	147742	21.10	ng	94
23) Benzo(a)anthracene	18.03	228	390587	7.90	ng	99
24) 3,3'-Dichlorobenzidine	18.09	252	36563	9.19	ng	# 96
25) Chrysene	18.11	228	406786	7.81	ng	99
26) Indeno(1,2,3-cd)pyrene	23.19	276	343710m	8.45	ng	
28) Benzo(b)fluoranthene	20.35	252	82112	8.96	ng	98
29) Benzo(k)fluoranthene	20.41	252	101135	8.09	ng	98
30) Benzo(a)pyrene	20.99	252	82558	9.17	ng	97
31) Dibenzo(a,h)anthracene	23.27	278	67300	8.72	ng	95

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

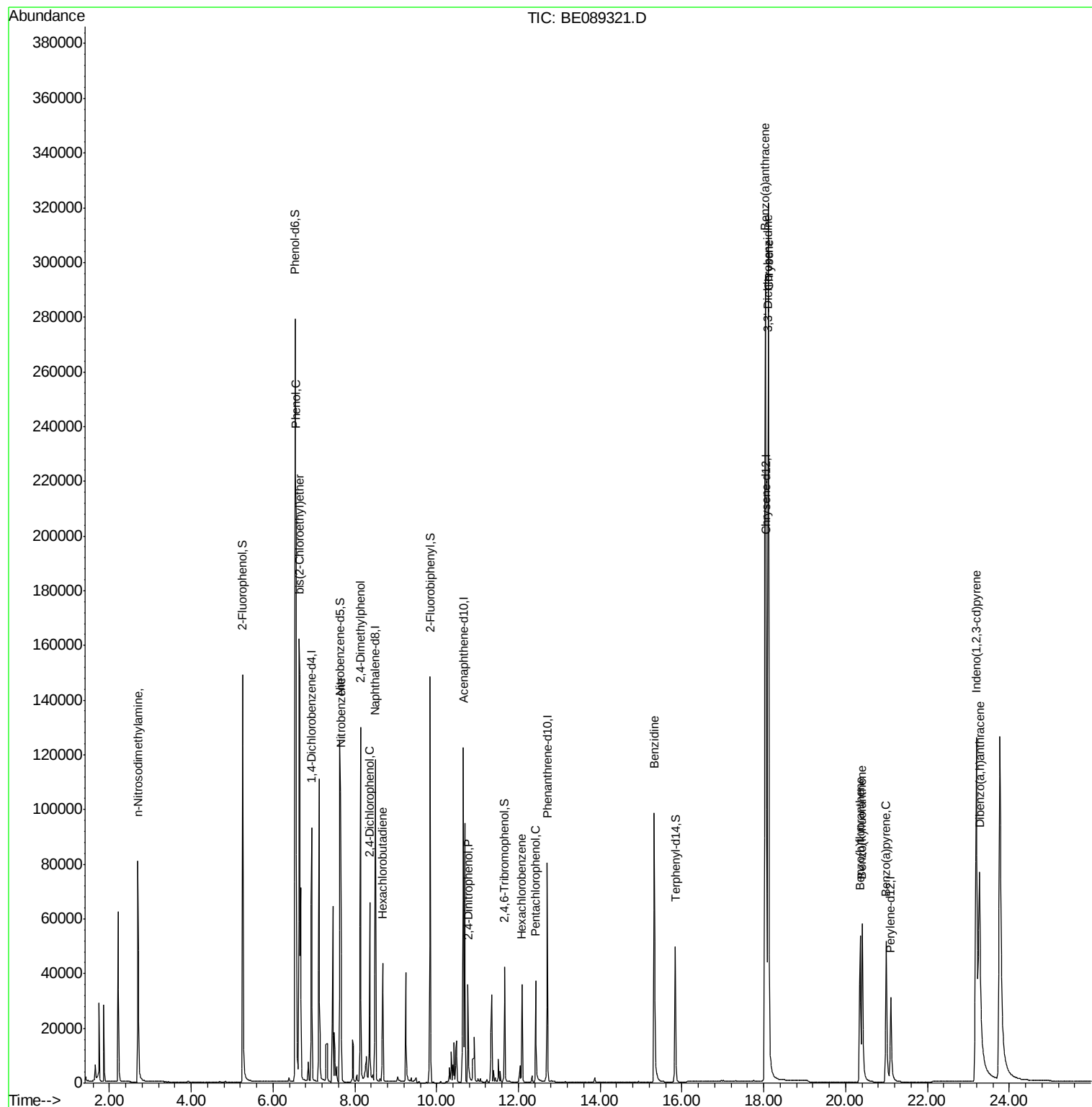
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010515\
Data File : BE089321.D
Acq On : 5 Jan 2015 19:15
Operator : TP/IZ
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Misc :
ALS Vial : 4 Sample Multiplier: 1

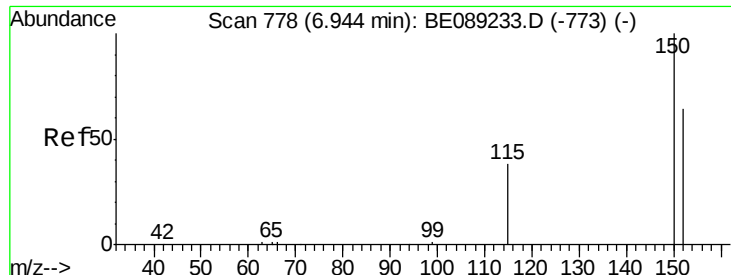
Instrument :
BNA_E
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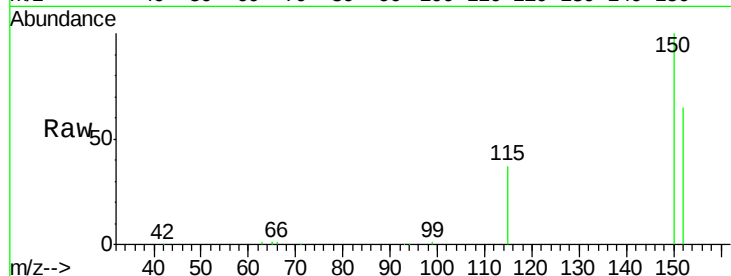
Quant Time: Jan 06 13:37:16 2015
Quant Method : Z:\HPCHEM1\BNA_E\methods\SIM-BE121914.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 20 00:43:57 2014
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.94 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: BE089321.D
 Acq: 5 Jan 2015 19:15

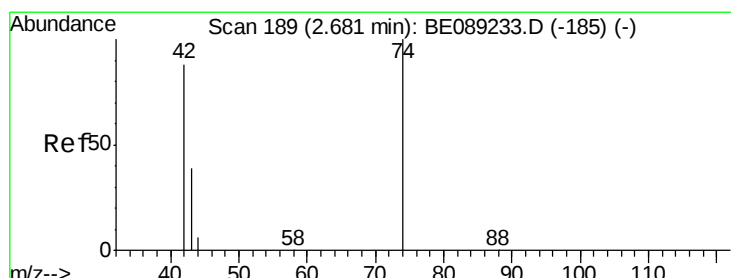
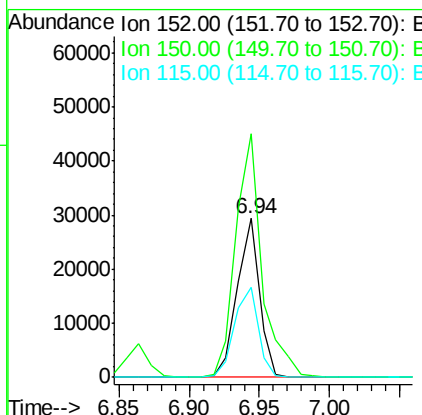
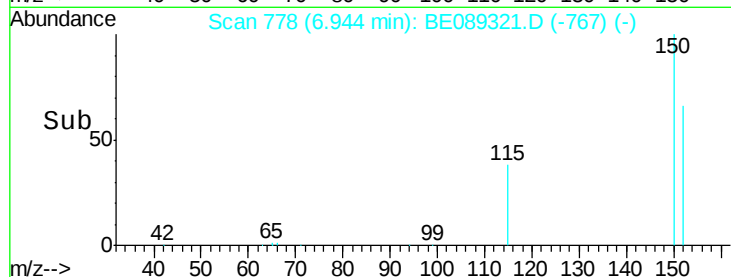
Instrument :
 BNA_E
 ClientSampleId :
 PB81193BS



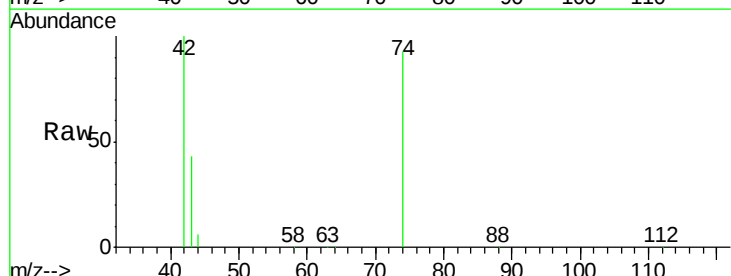
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.5	188.3
115	56.8	47.4	71.2

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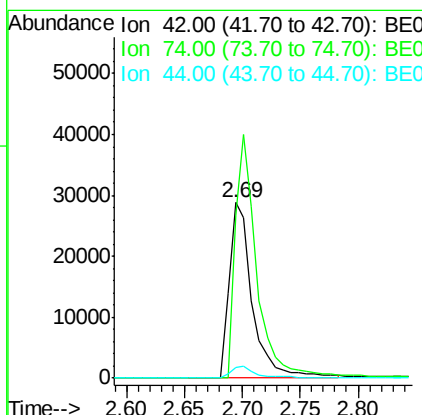
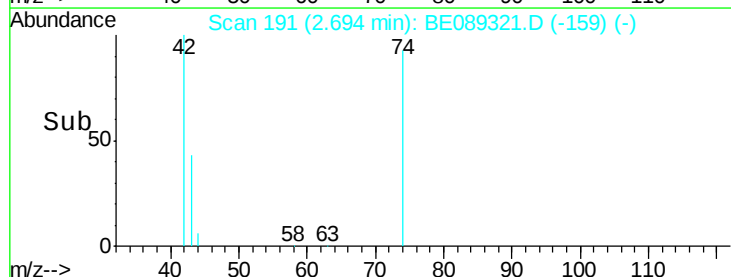
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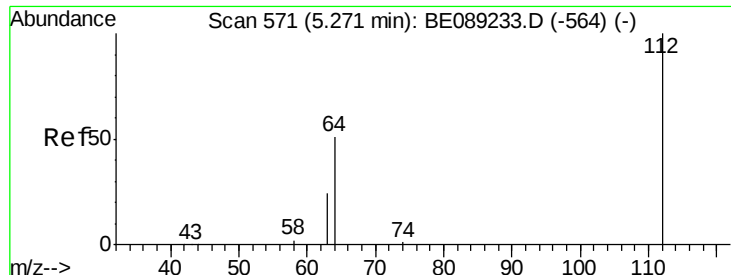


#2
 n-Nitrosodimethylamine
 Concen: 9.52 ng
 RT: 2.69 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE089321.D
 Acq: 5 Jan 2015 19:15



Tgt Ion	Ratio	Lower	Upper
42	100		
74	92.6	89.7	134.5
44	6.3	14.2	21.2#





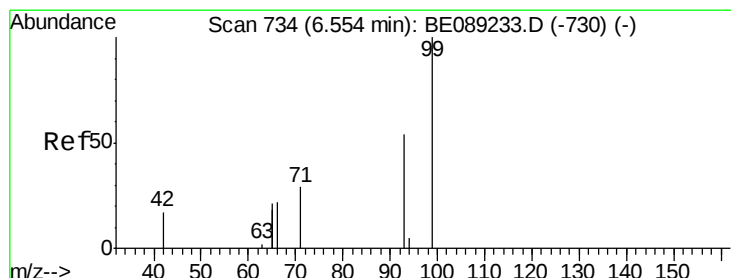
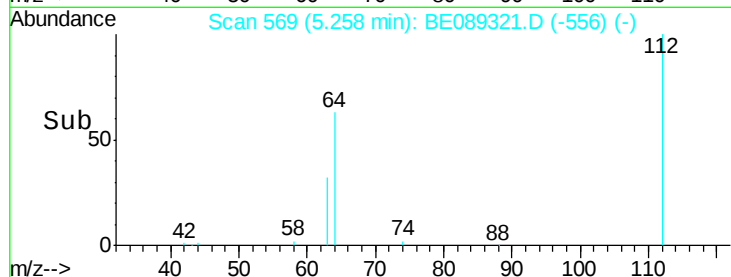
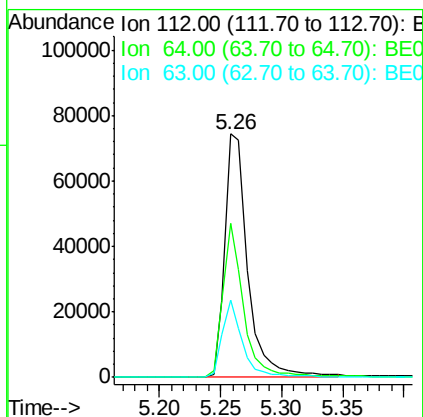
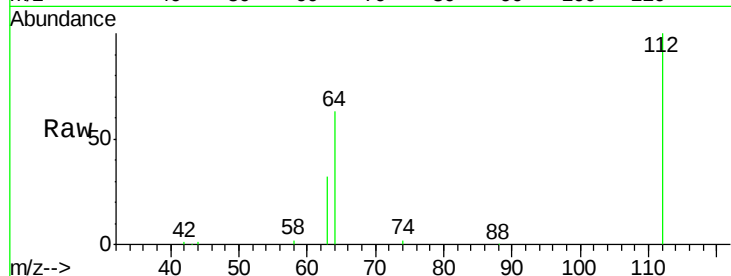
#3
 2-Fluorophenol
 Concen: 13.97 ng
 RT: 5.26 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BE089321.D
 Acq: 5 Jan 2015 19:15

Instrument :
 BNA_E
 ClientSampleId :
 PB81193BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	63.1	45.4	68.0
63	31.6	23.6	35.4

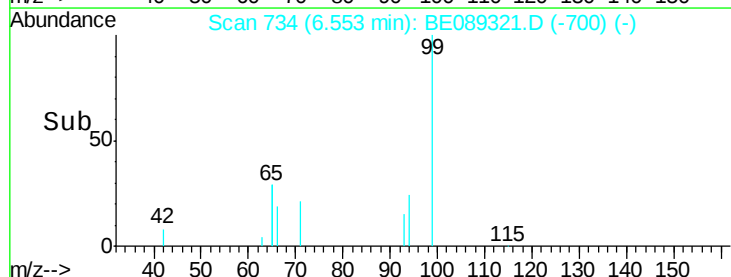
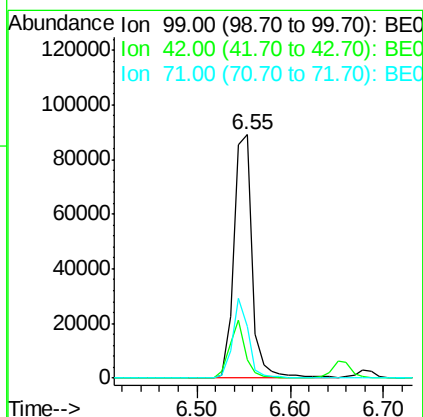
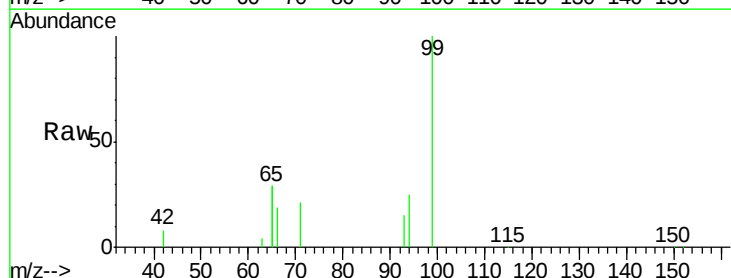
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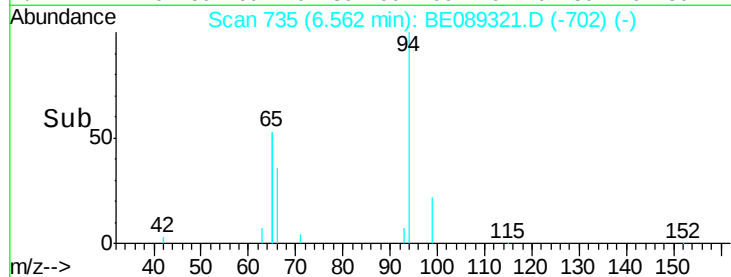
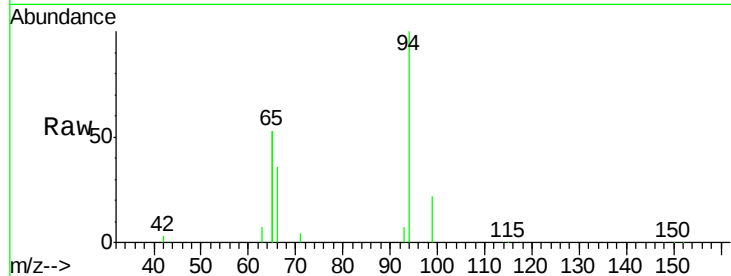
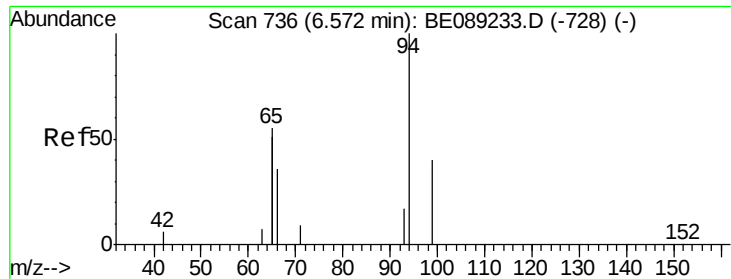
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#4
 Phenol-d6
 Concen: 11.51 ng
 RT: 6.55 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: BE089321.D
 Acq: 5 Jan 2015 19:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
99	100		
42	7.7	14.6	22.0#
71	21.4	23.5	35.3#





#5

Phenol

Concen: 7.21 ng

RT: 6.56 min Scan# 735

Delta R.T. -0.01 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	94	Resp:	90645
Ion	Ratio	Lower	Upper
94	100		
65	106.9	88.8	128.8
66	35.8	16.9	56.9

Instrument :

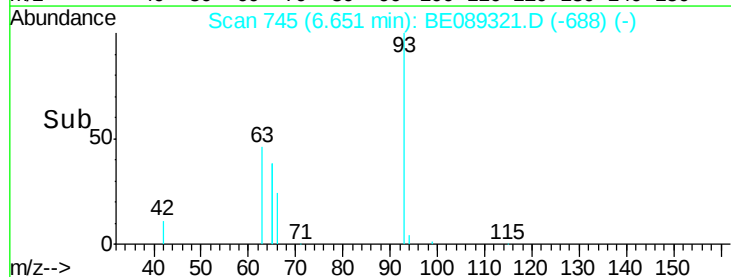
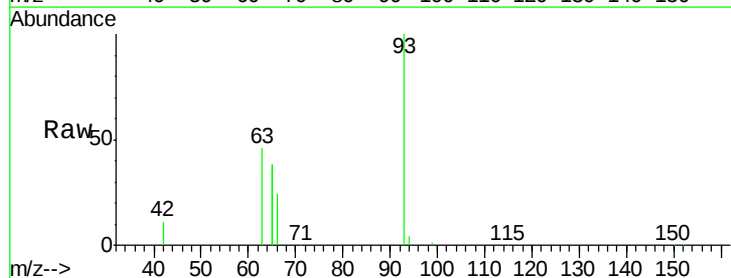
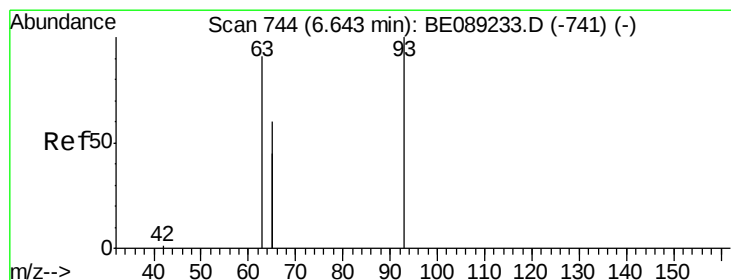
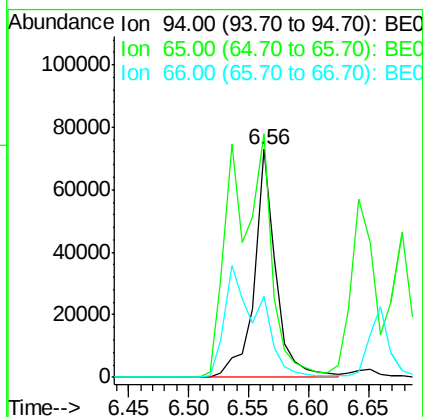
BNA_E

ClientSampleId :

PB81193BS

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#6

bis(2-Chloroethyl)ether

Concen: 7.65 ng

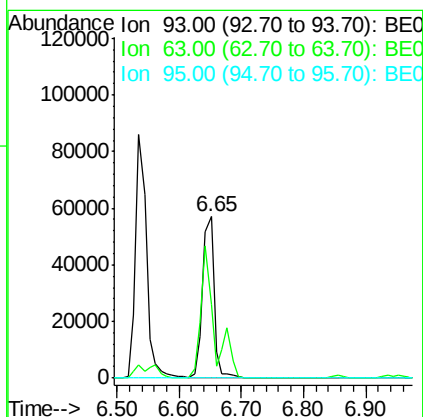
RT: 6.65 min Scan# 745

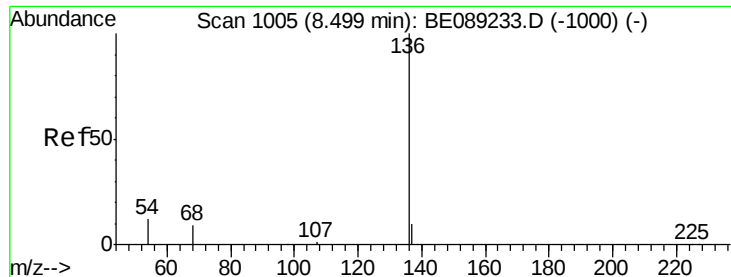
Delta R.T. 0.01 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	93	Resp:	74114
Ion	Ratio	Lower	Upper
93	100		
63	78.0	52.8	79.2
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 8.50 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

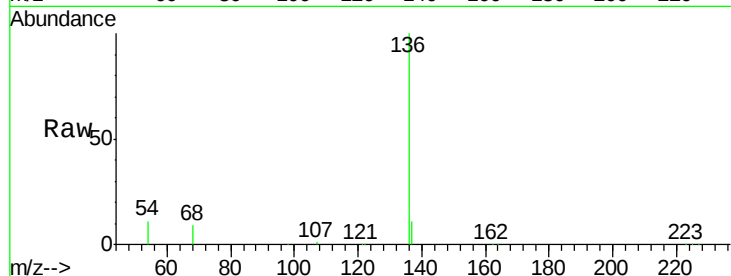
ClientSampleId :

PB81193BS

Tgt Ion:	136	Resp:	125823
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.4	12.6
54	11.2	9.4	14.2

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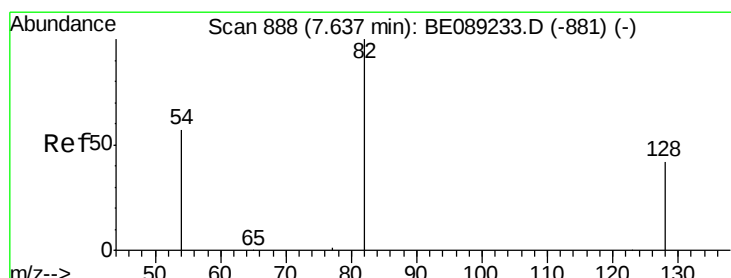
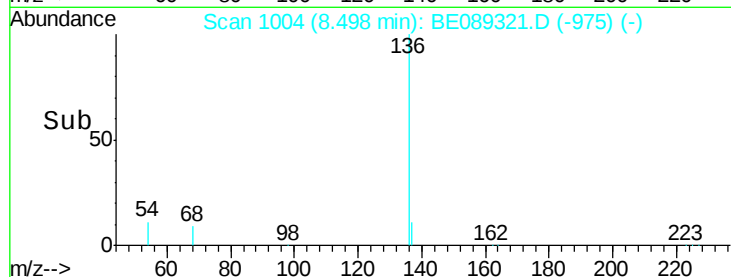
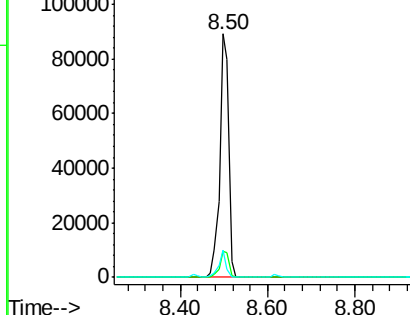
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Abundance Ion 136.00 (135.70 to 136.70): BE089321.D (-975) (-)

Ion 137.00 (136.70 to 137.70): BE089321.D (-975) (-)

Ion 54.00 (53.70 to 54.70): BE089321.D (-975) (-)



#8

Nitrobenzene-d5

Concen: 7.09 ng

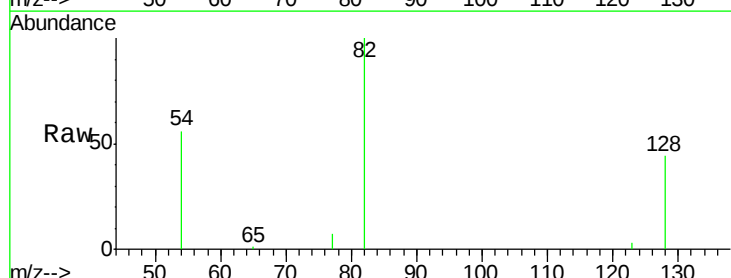
RT: 7.64 min Scan# 888

Delta R.T. 0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

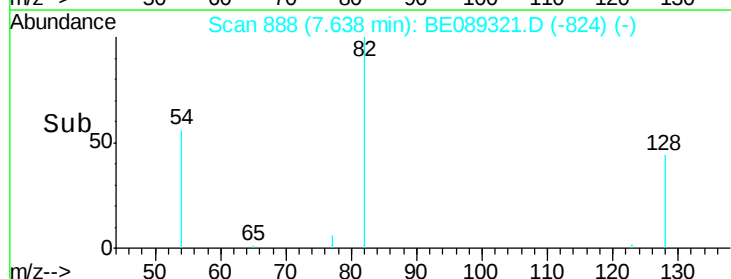
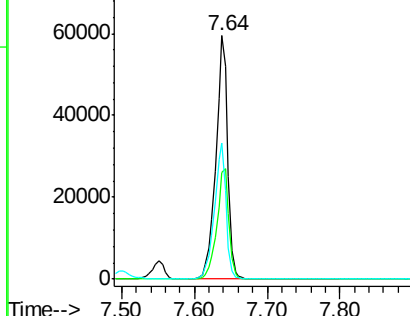
Tgt Ion:	82	Resp:	66824
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.1	51.1
54	55.7	45.6	68.4

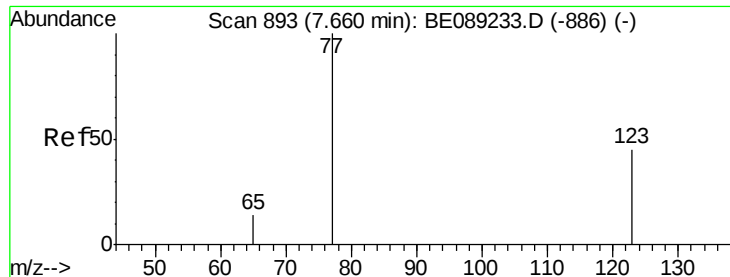


Abundance Ion 82.00 (81.70 to 82.70): BE089321.D (-824) (-)

Ion 128.00 (127.70 to 128.70): BE089321.D (-824) (-)

Ion 54.00 (53.70 to 54.70): BE089321.D (-824) (-)





#9

Nitrobenzene

Concen: 7.50 ng

RT: 7.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: BE089321.D

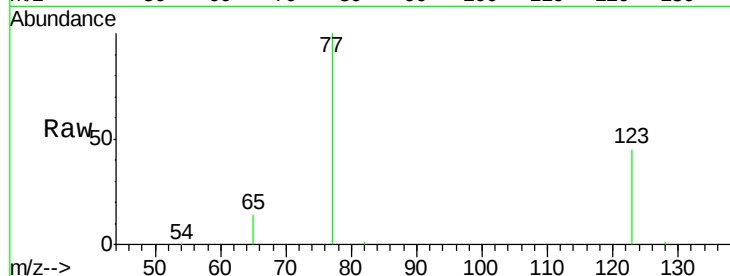
Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

ClientSampleId :

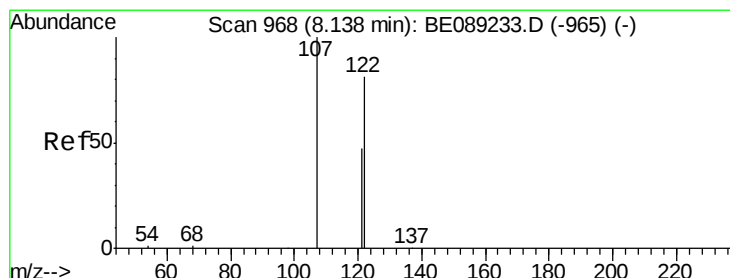
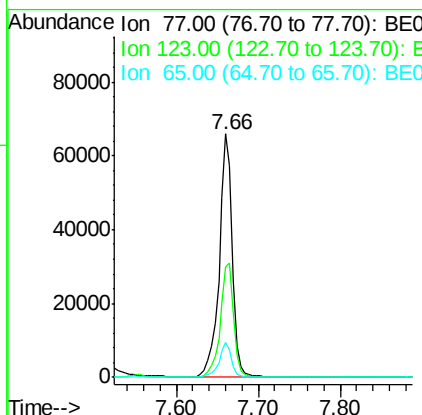
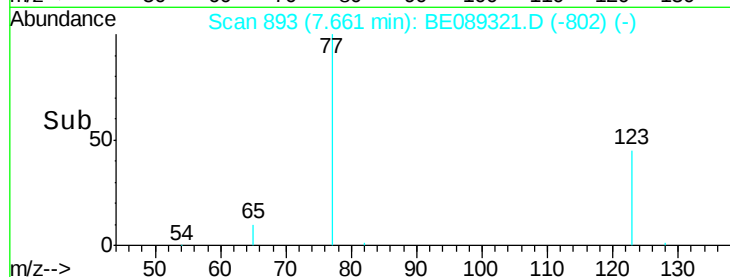
PB81193BS



Tgt Ion:	77	Resp:	73264
Ion	Ratio	Lower	Upper
77	100		
123	48.3	37.8	56.8
65	13.8	10.5	15.7

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#10

2,4-Dimethylphenol

Concen: 7.34 ng

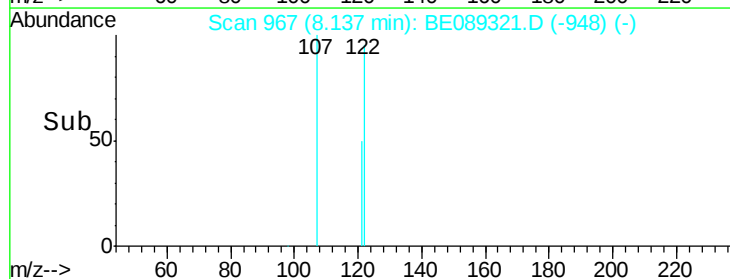
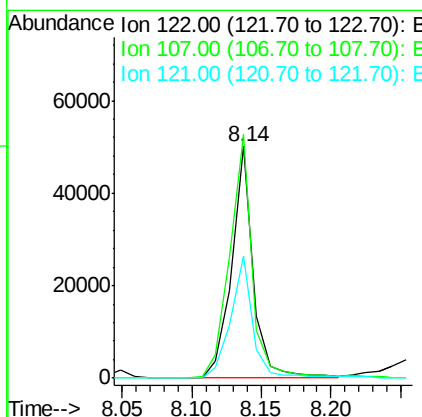
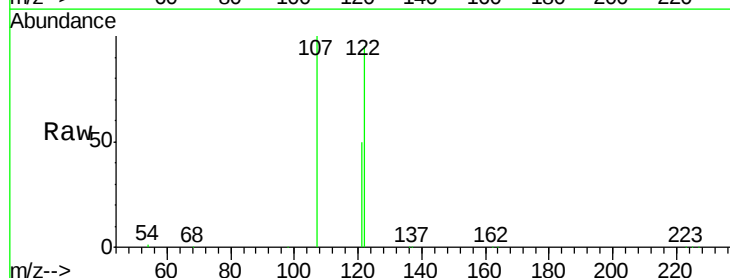
RT: 8.14 min Scan# 967

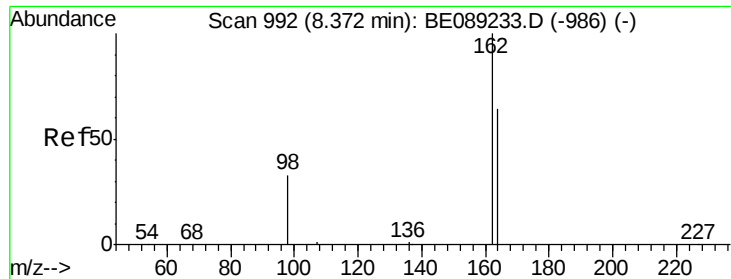
Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	122	Resp:	53912
Ion	Ratio	Lower	Upper
122	100		
107	105.2	98.1	147.1
121	52.5	46.6	70.0





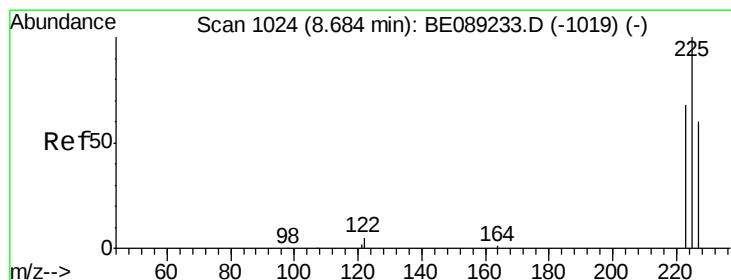
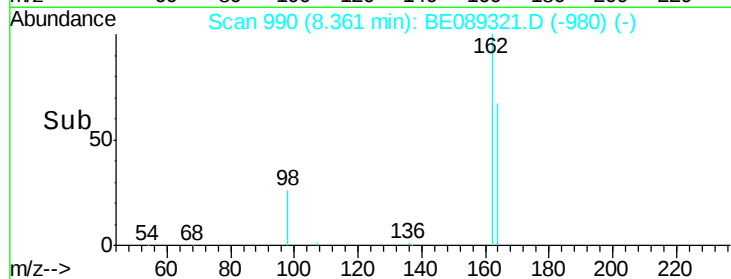
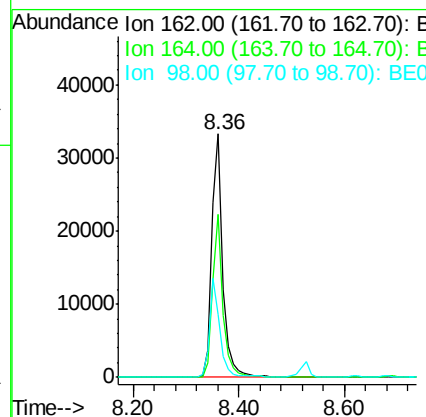
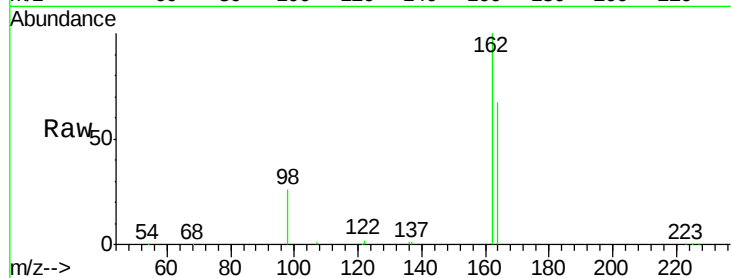
#11
2,4-Dichlorophenol
Concen: 7.79 ng
RT: 8.36 min Scan# 990
Delta R.T. -0.01 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Instrument :
BNA_E
ClientSampleId :
PB81193BS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	47878		
164	67.1	44.3	84.3	
98	25.9	14.6	54.6	

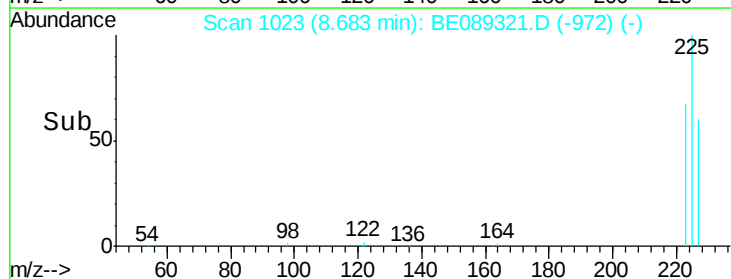
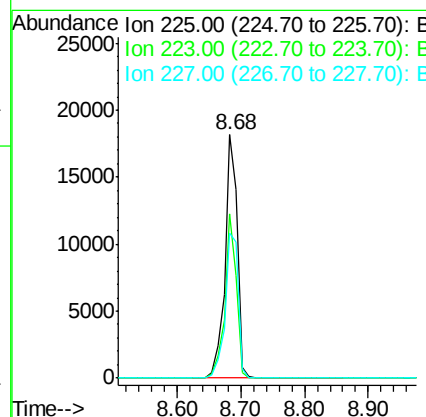
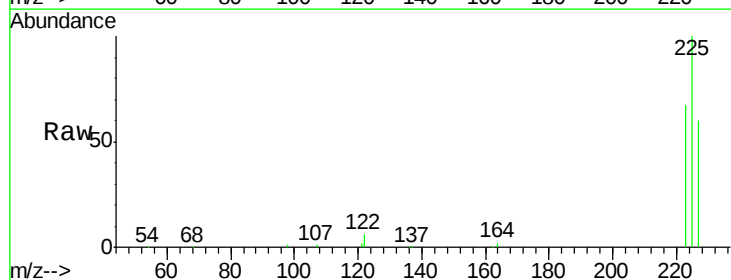
Manual Integrations
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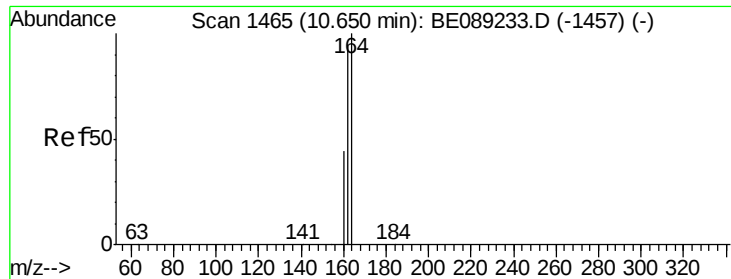
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#12
Hexachlorobutadiene
Concen: 7.08 ng
RT: 8.68 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24601		
223	63.0	50.4	75.6	
227	63.9	51.7	77.5	





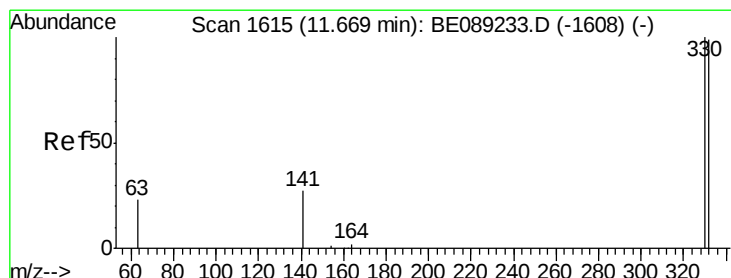
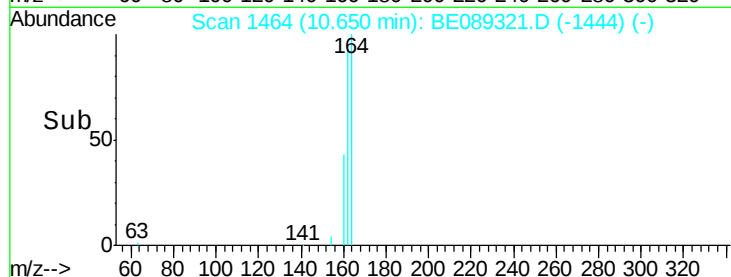
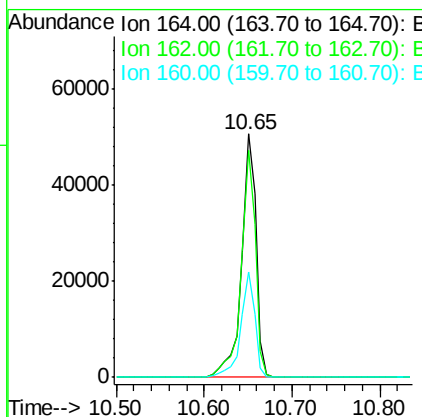
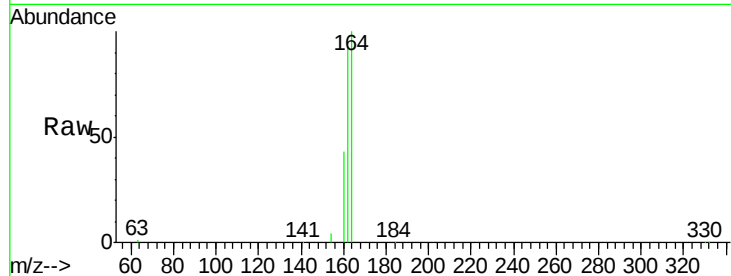
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Instrument :
BNA_E
ClientSampleId :
PB81193BS

Tgt Ion:164 Resp: 57766
Ion Ratio Lower Upper
164 100
162 93.1 75.4 113.0
160 43.4 35.6 53.4

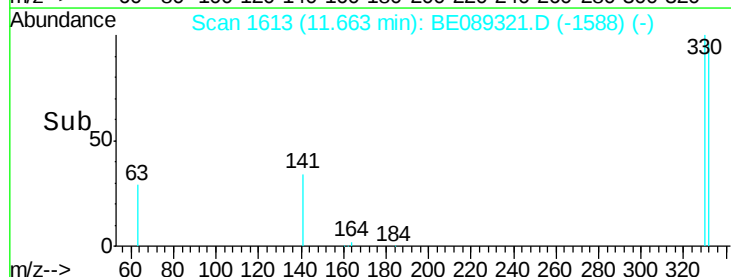
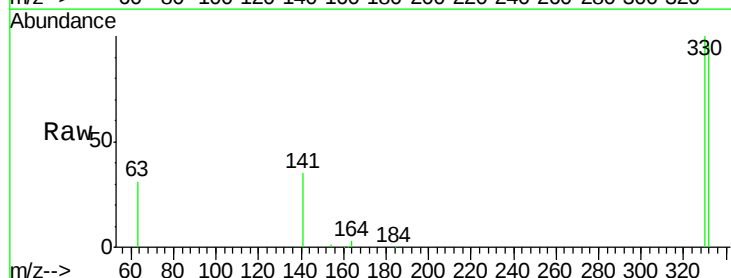
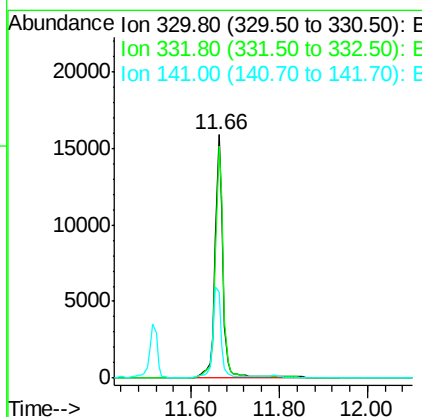
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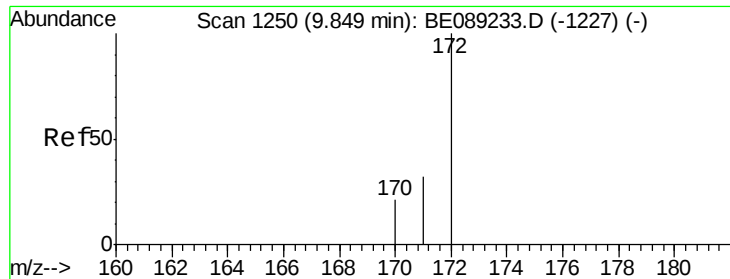
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#14
2,4,6-Tribromophenol
Concen: 13.58 ng
RT: 11.66 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Tgt Ion:330 Resp: 21226
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 35.6 29.4 44.0





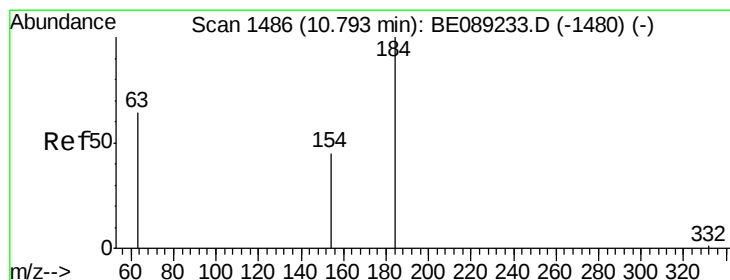
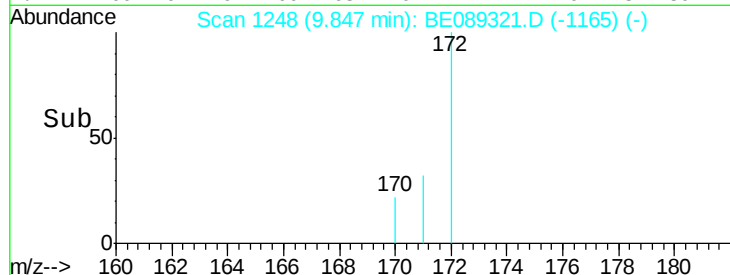
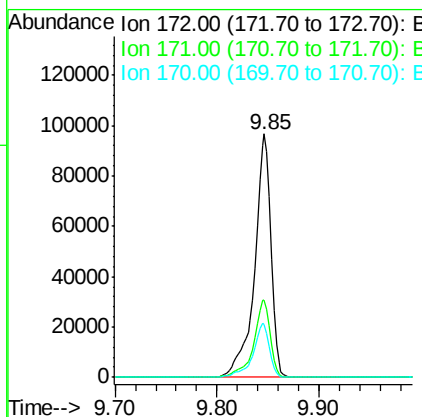
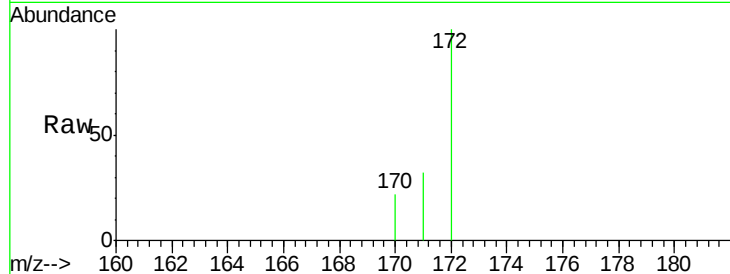
#15
2-Fluorobiphenyl
Concen: 6.59 ng
RT: 9.85 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Instrument :
BNA_E
ClientSampleId :
PB81193BS

Tgt Ion:172 Resp: 107933
Ion Ratio Lower Upper
172 100
171 31.9 25.5 38.3
170 21.8 16.8 25.2

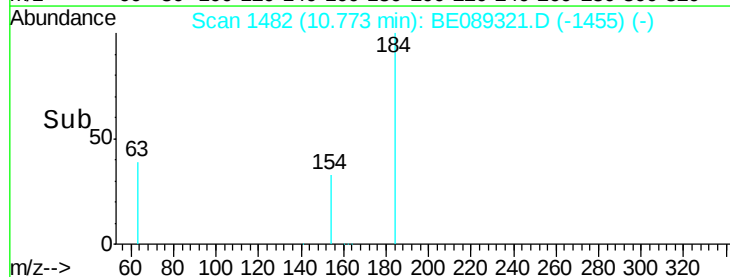
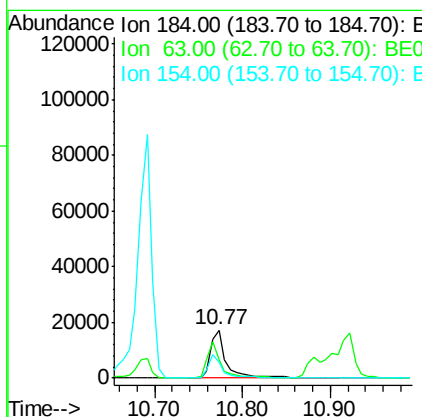
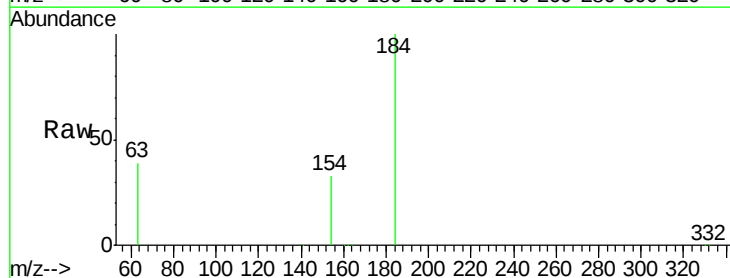
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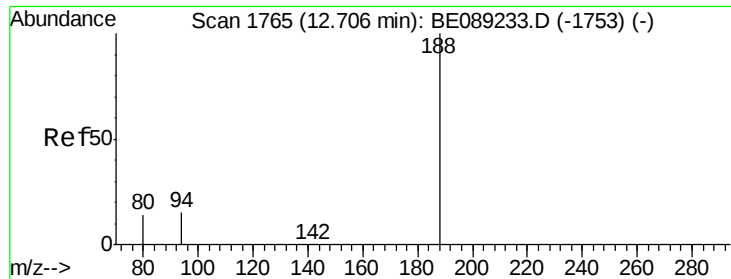
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#16
2,4-Dinitrophenol
Concen: 34.31 ng
RT: 10.77 min Scan# 1482
Delta R.T. -0.02 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Tgt Ion:184 Resp: 21458
Ion Ratio Lower Upper
184 100
63 39.3 69.9 104.9#
154 33.0 59.1 88.7#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BE089321.D

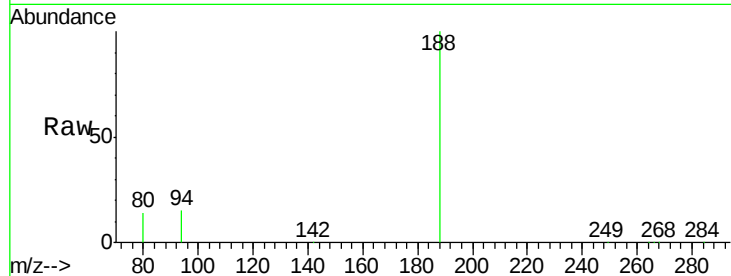
Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

ClientSampleId :

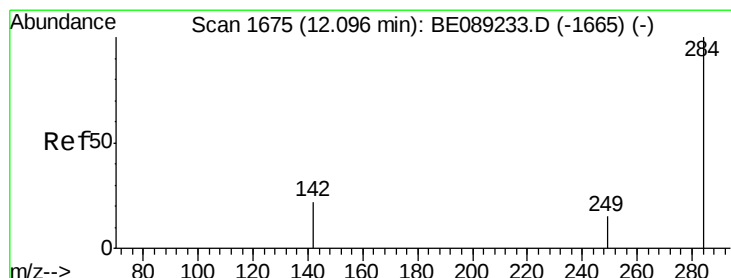
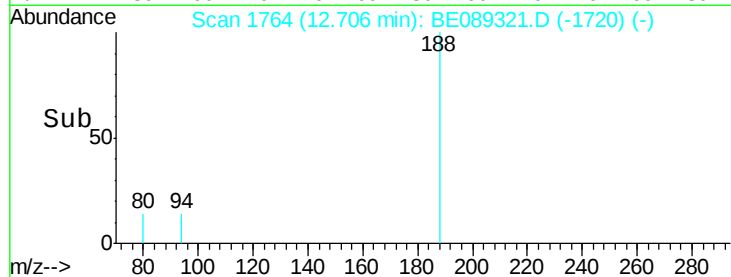
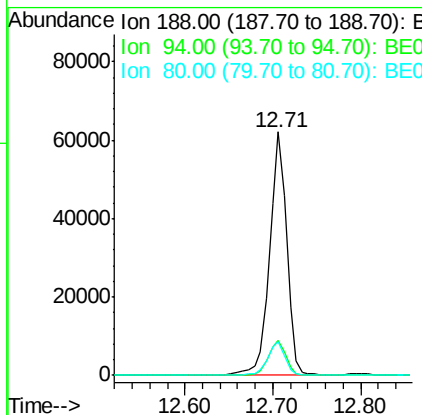
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Tgt Ion:	188	Resp:	83722
Ion Ratio	Lower	Upper	
188	100		
94	14.6	11.8	17.8
80	14.0	11.4	17.0

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#18

Hexachlorobenzene

Concen: 7.21 ng

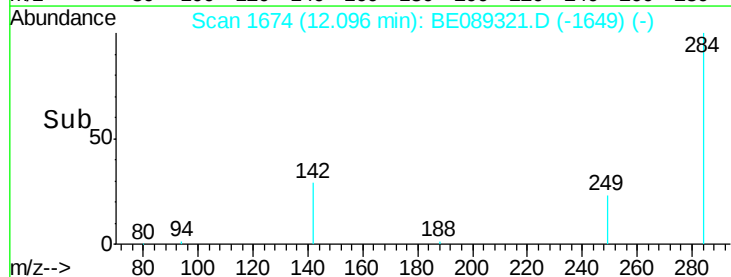
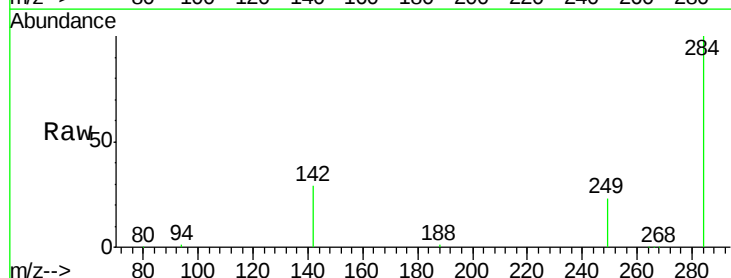
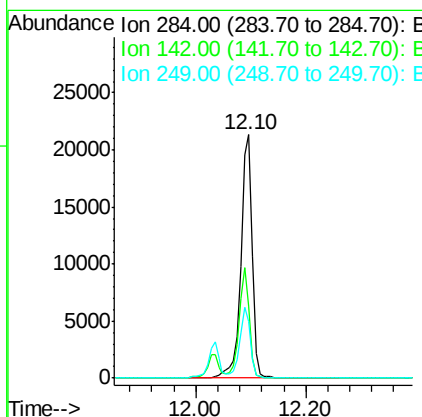
RT: 12.10 min Scan# 1674

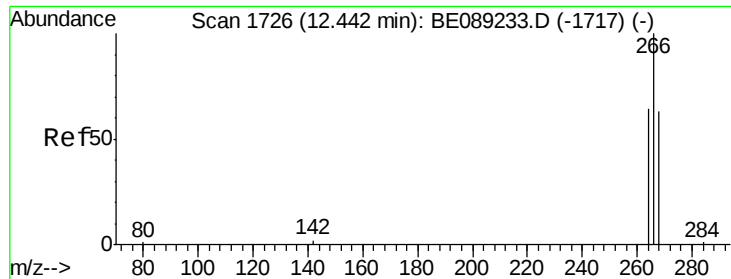
Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	284	Resp:	29065
Ion Ratio	Lower	Upper	
284	100		
142	29.5	23.8	35.8
249	23.3	19.2	28.8





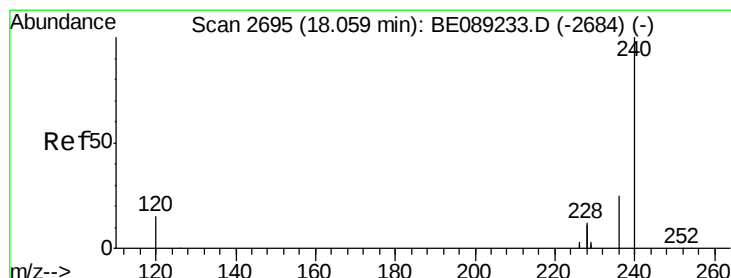
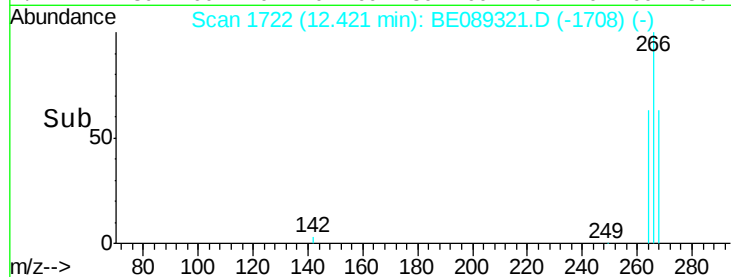
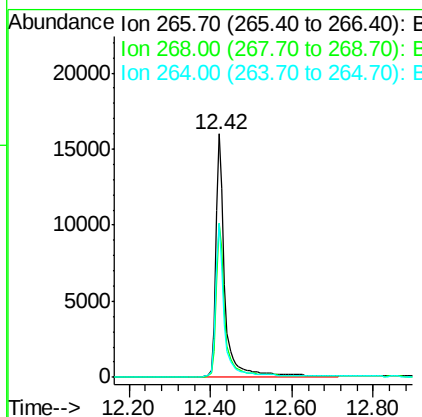
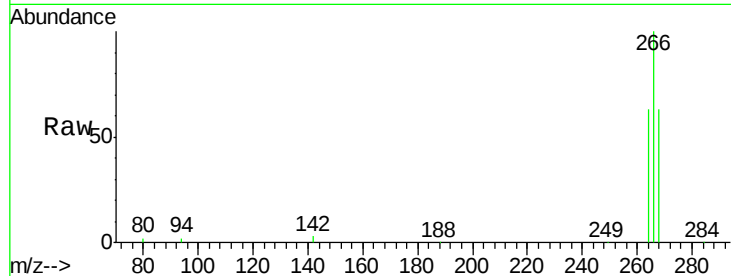
#19
 Pentachlorophenol
 Concen: 26.76 ng
 RT: 12.42 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BE089321.D
 Acq: 5 Jan 2015 19:15

Instrument :
 BNA_E
 ClientSampleId :
 PB81193BS

Tgt Ion:	266	Resp:	25602
Ion Ratio	Lower	Upper	
266	100		
268	63.2	55.8	83.6
264	63.2	56.5	84.7

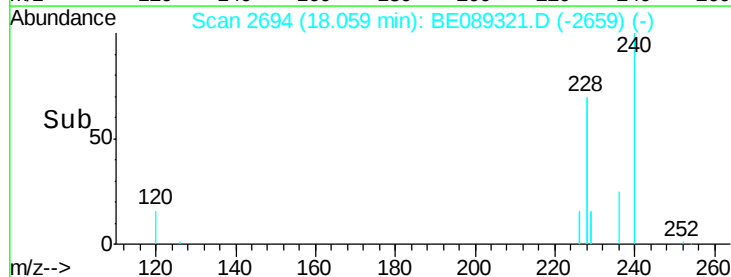
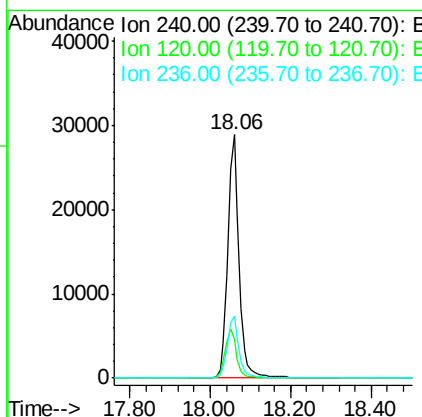
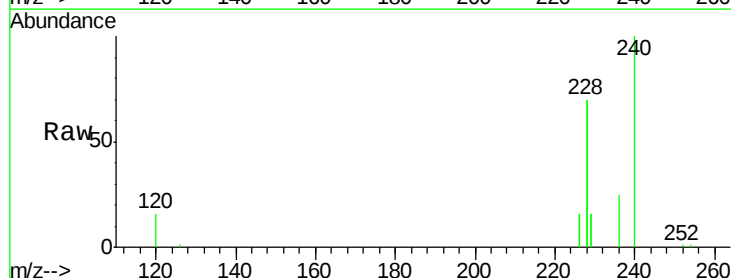
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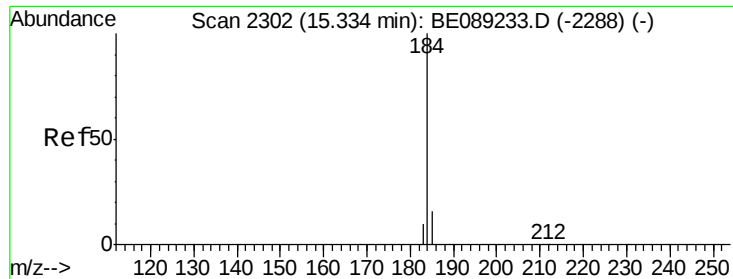
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#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.06 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: BE089321.D
 Acq: 5 Jan 2015 19:15

Tgt Ion:	240	Resp:	55649
Ion Ratio	Lower	Upper	
240	100		
120	16.1	12.5	18.7
236	25.2	20.2	30.2





#21

Benzidine

Concen: 21.10 ng

RT: 15.32 min Scan# 2298

Delta R.T. -0.01 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

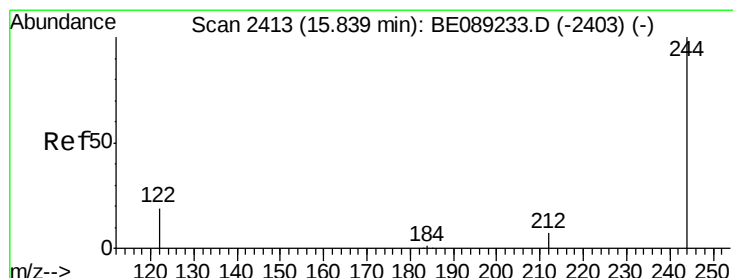
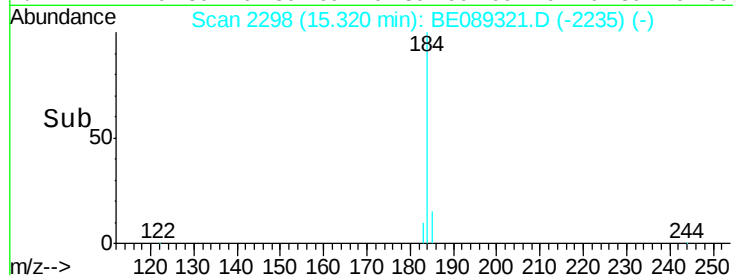
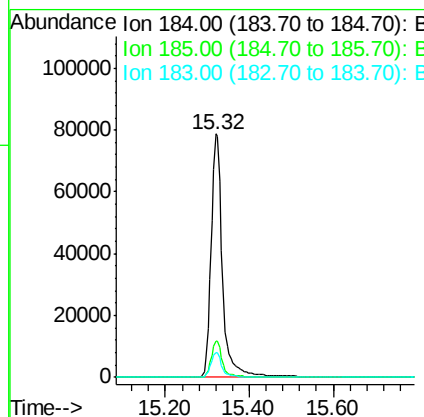
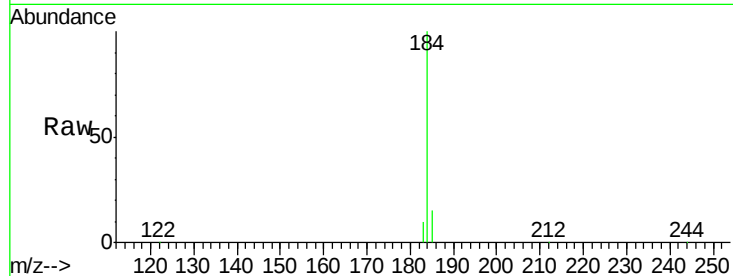
ClientSampleId :

PB81193BS

Tgt Ion:	184	Resp:	147742
Ion Ratio	Lower	Upper	
184	100		
185	14.9	14.4	21.6
183	10.4	9.6	14.4

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#22

Terphenyl-d14

Concen: 6.81 ng

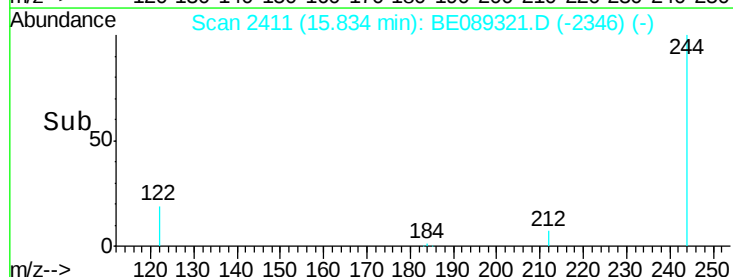
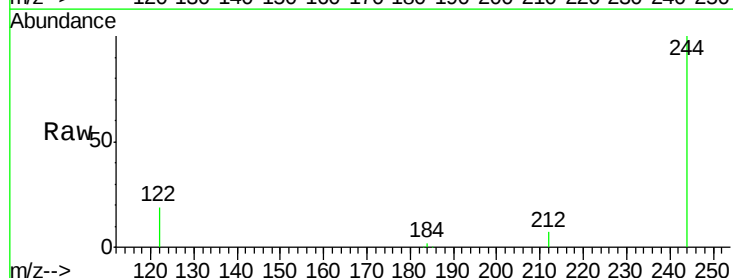
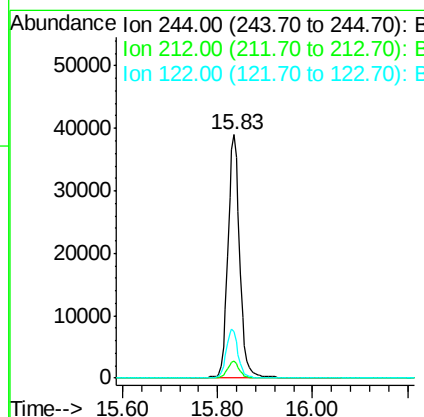
RT: 15.83 min Scan# 2411

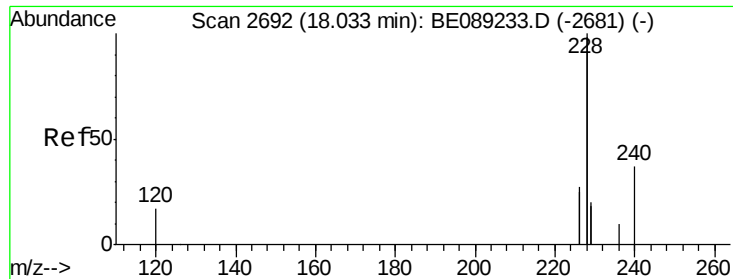
Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	244	Resp:	67670
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.2	9.4
122	19.0	16.2	24.2





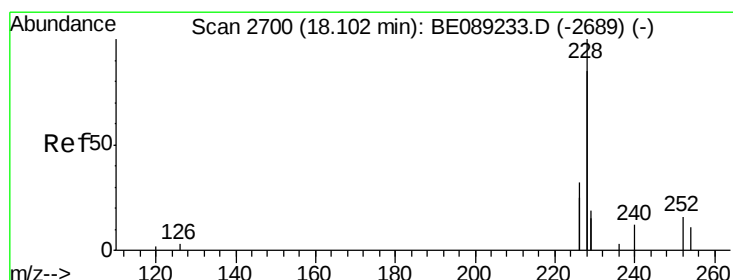
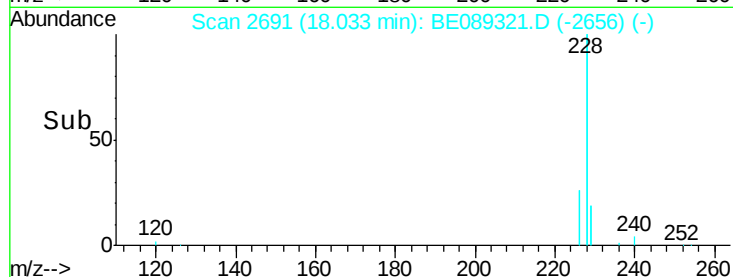
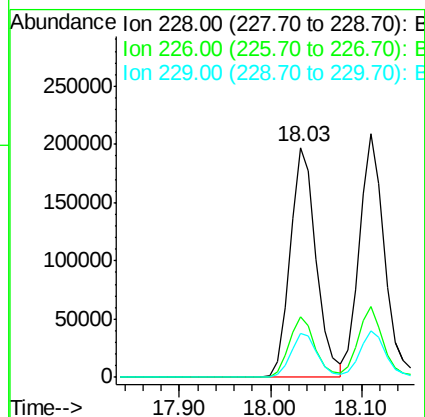
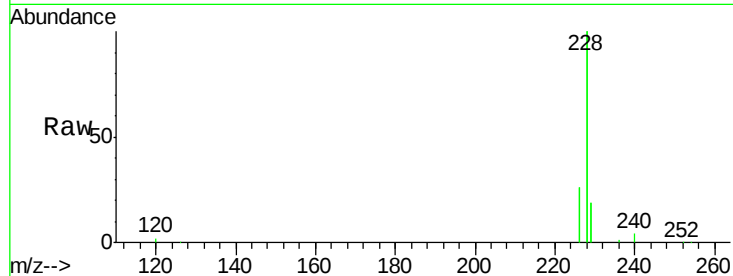
#23
Benzo(a)anthracene
Concen: 7.90 ng
RT: 18.03 min Scan# 2691
Delta R.T. -0.00 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Instrument :
BNA_E
ClientSampleId :
PB81193BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.4	32.0
229	19.4	16.0	24.0

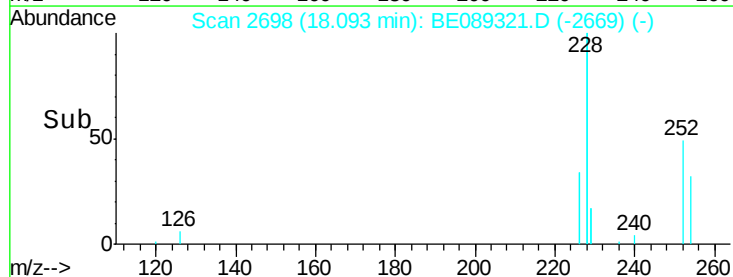
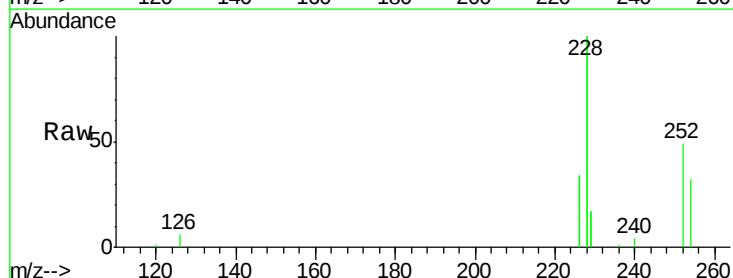
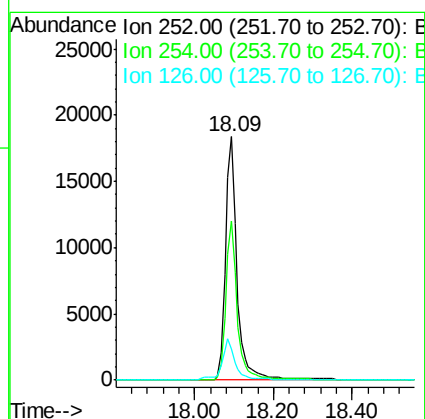
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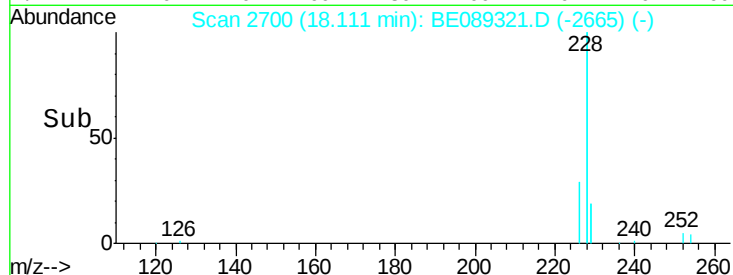
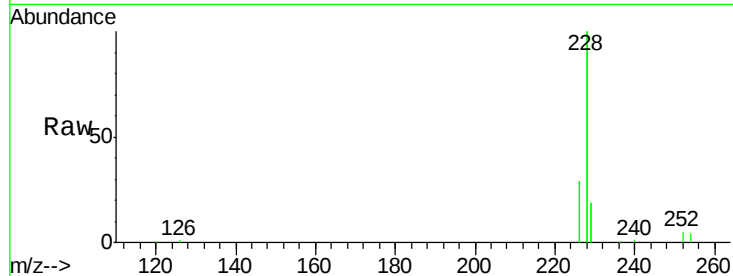
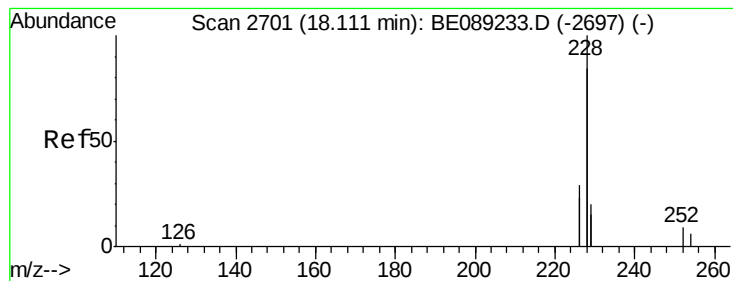
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#24
3,3'-Dichlorobenzidine
Concen: 9.19 ng
RT: 18.09 min Scan# 2698
Delta R.T. -0.01 min
Lab File: BE089321.D
Acq: 5 Jan 2015 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.4	53.0	79.6
126	13.0	15.0	22.6





#25

Chrysene

Concen: 7.81 ng

RT: 18.11 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	228	Resp:	406786
Ion Ratio		Lower	Upper
228	100		
226	29.1	23.2	34.8
229	19.4	16.2	24.2

Instrument :

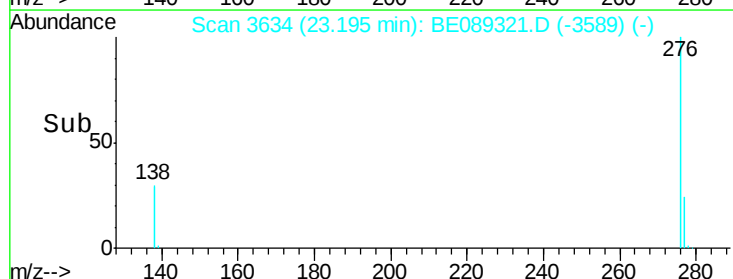
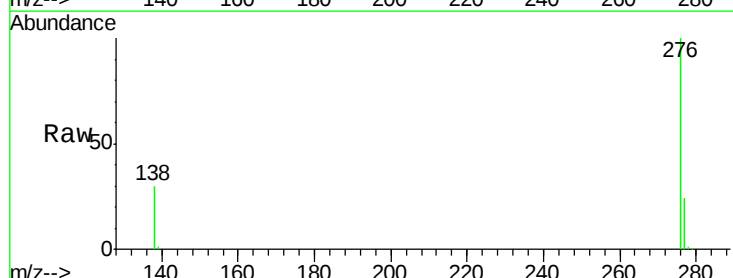
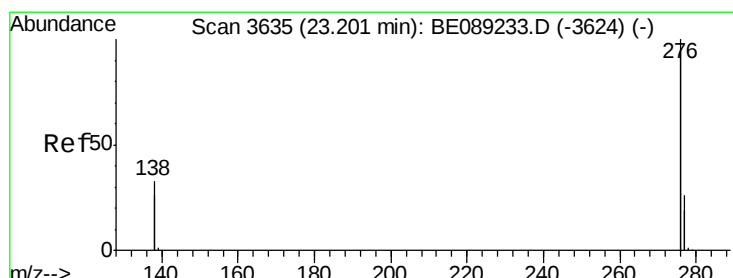
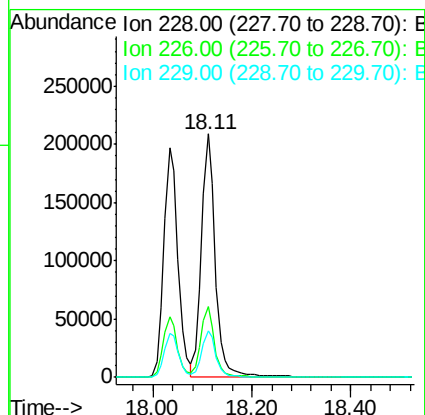
BNA_E

ClientSampleId :

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#26

Indeno(1,2,3-cd)pyrene

Concen: 8.45 ng m

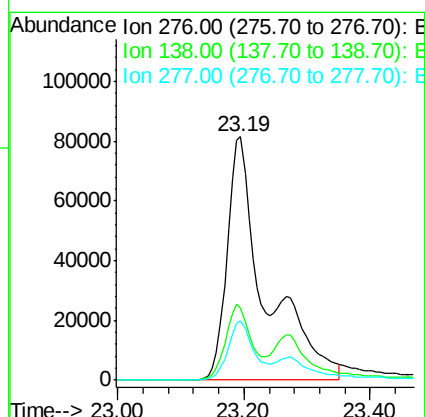
RT: 23.19 min Scan# 3634

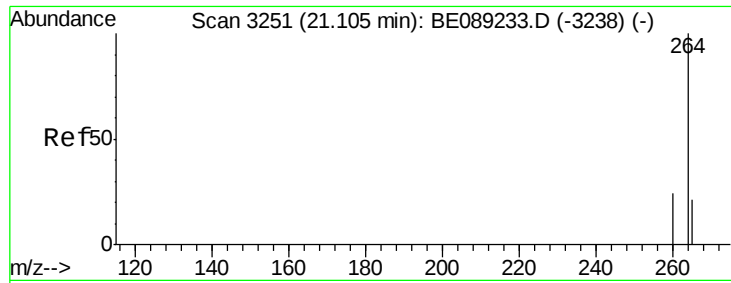
Delta R.T. -0.01 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	276	Resp:	343710
Ion Ratio		Lower	Upper
276	100		
138	21.0	23.4	35.2#
277	16.3	19.0	28.4#





#27

Perylene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

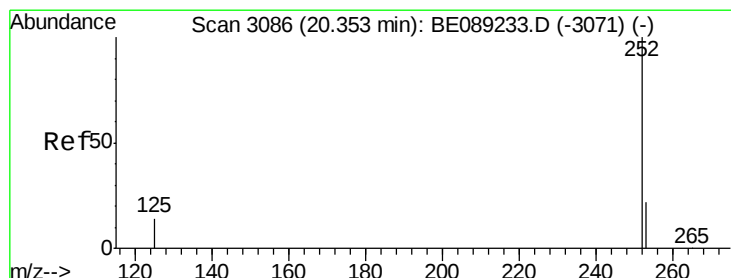
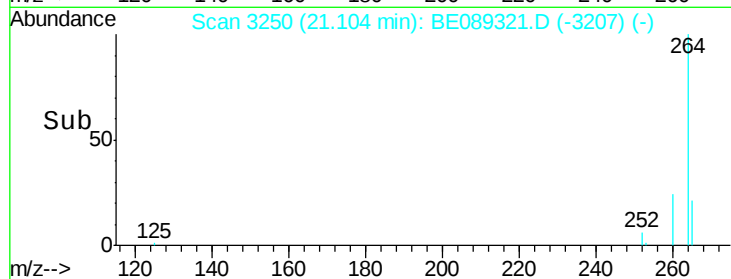
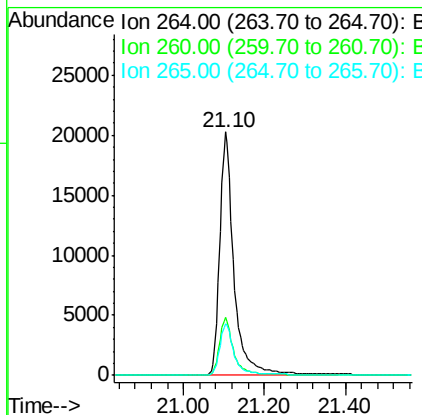
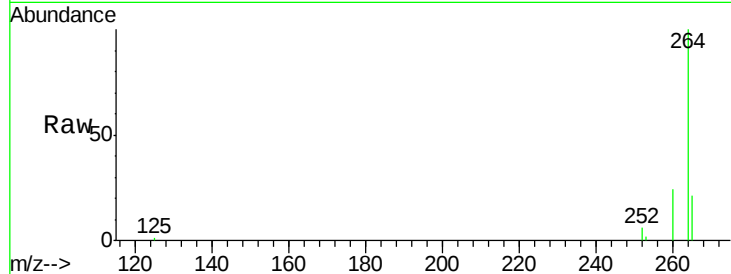
ClientSampleId :

PB81193BS

Tgt Ion:	264	Resp:	49208
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.5	17.1	25.7

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#28

Benzo(b)fluoranthene

Concen: 8.96 ng

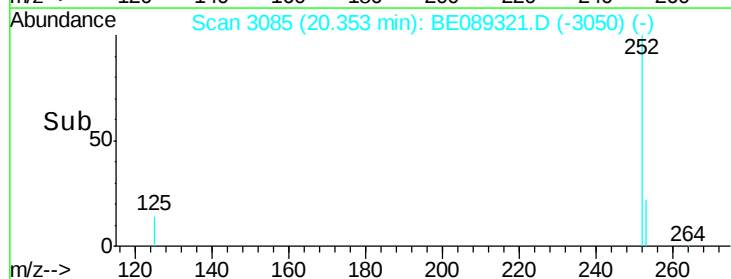
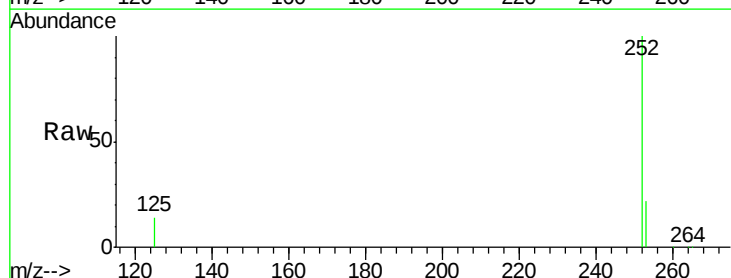
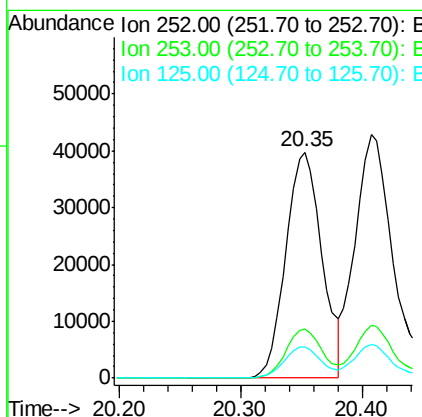
RT: 20.35 min Scan# 3085

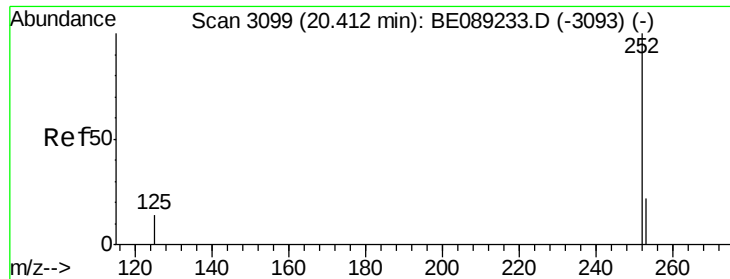
Delta R.T. -0.00 min

Lab File: BE089321.D

Acq: 5 Jan 2015 19:15

Tgt Ion:	252	Resp:	82112
Ion Ratio		Lower	Upper
252	100		
253	21.8	18.1	27.1
125	13.8	12.2	18.4





#29

Benzo(k)fluoranthene

Concen: 8.09 ng

RT: 20.41 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BE089321.D

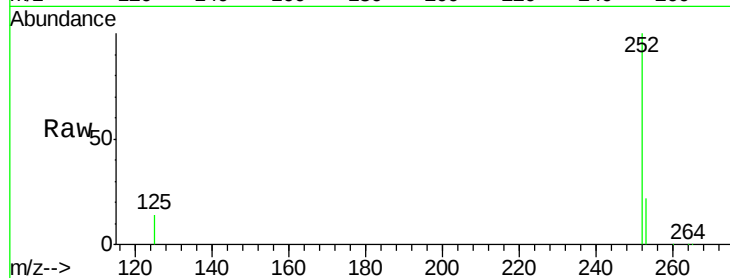
Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

ClientSampleId :

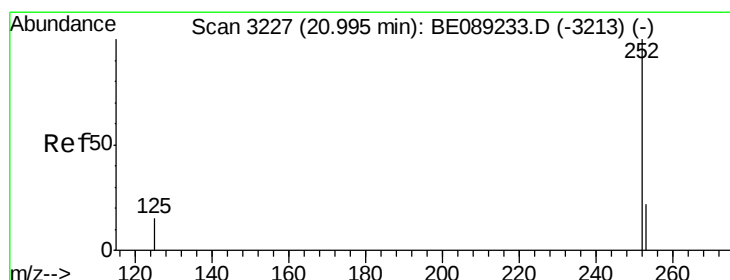
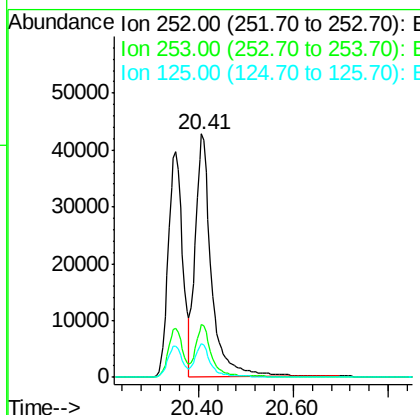
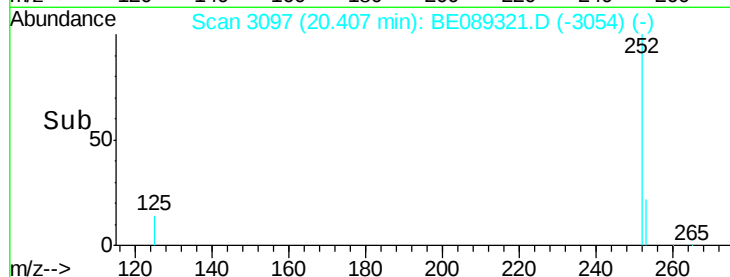
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.1	12.1	18.1

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#30

Benzo(a)pyrene

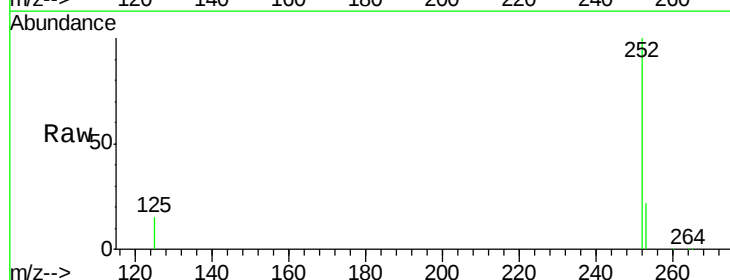
Concen: 9.17 ng

RT: 20.99 min Scan# 3225

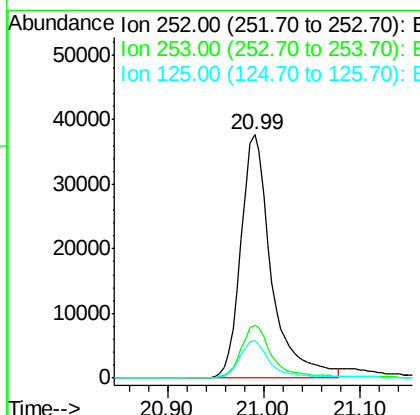
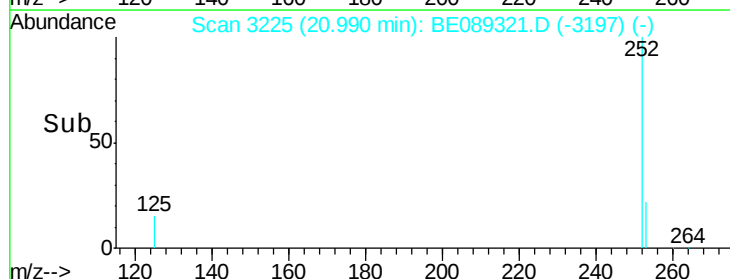
Delta R.T. -0.00 min

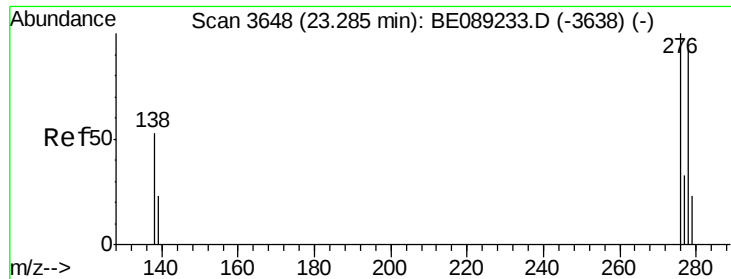
Lab File: BE089321.D

Acq: 5 Jan 2015 19:15



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.3	27.5
125	15.2	13.5	20.3





#31

Dibenzo(a,h)anthracene

Concen: 8.72 ng

RT: 23.27 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BE089321.D

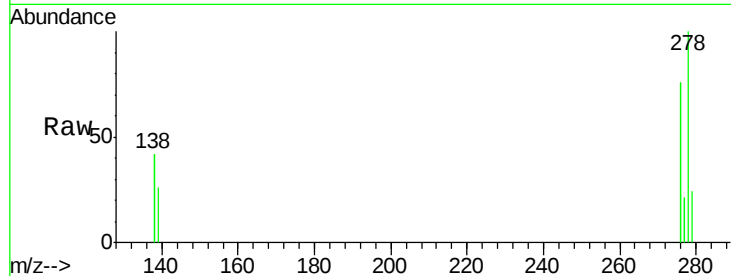
Acq: 5 Jan 2015 19:15

Instrument :

BNA_E

ClientSampleId :

PB81193BS



Tgt Ion:	278	Resp:	67300
Ion Ratio	Lower	Upper	
278	100		
139	26.5	23.2	34.8
279	23.9	21.7	32.5

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:57 AM

