

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070815\
 Data File : BE090073.D
 Acq On : 8 Jul 2015 23:55
 Operator : TP/IZ
 Sample : G2782-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0330006-150624

Manual Integrations
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Quant Time: Jul 09 02:25:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	18904	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	85461	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	46121	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	101374	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	118911	5.00	ng	-0.01
32) Perylene-d12	23.44	264	113522	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	3410	0.79	ng	0.00
5) Phenol-d6	6.80	99	5424	0.89	ng	0.00
7) Nitrobenzene-d5	8.76	82	3133	0.46	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	1183	0.88	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	7011	0.51	ng	0.00
27) Terphenyl-d14	19.58	244	9847	0.50	ng	-0.01
Target Compounds						Qvalue
15) Acenaphthylene	13.94	152	4012	0.05	ng	99
22) Phenanthrene	17.00	178	1812m	0.07	ng	
23) Anthracene	17.10	178	1223	0.05	ng	99
24) Fluoranthene	19.00	202	6073	0.21	ng	100
26) Pyrene	19.37	202	5872	0.21	ng	# 96
28) Benzo(a)anthracene	21.10	228	4754	0.16	ng	91
29) Chrysene	21.16	228	5392m	0.17	ng	
31) Indeno(1,2,3-cd)pyrene	25.83	276	4204	0.14	ng	99
33) Benzo(b)fluoranthene	22.73	252	8198	0.33	ng	# 85
34) Benzo(k)fluoranthene	22.77	252	2694m	0.10	ng	
35) Benzo(a)pyrene	23.33	252	5125	0.22	ng	# 82
37) Benzo(g,h,i)perylene	26.57	276	4816	0.20	ng	# 88

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

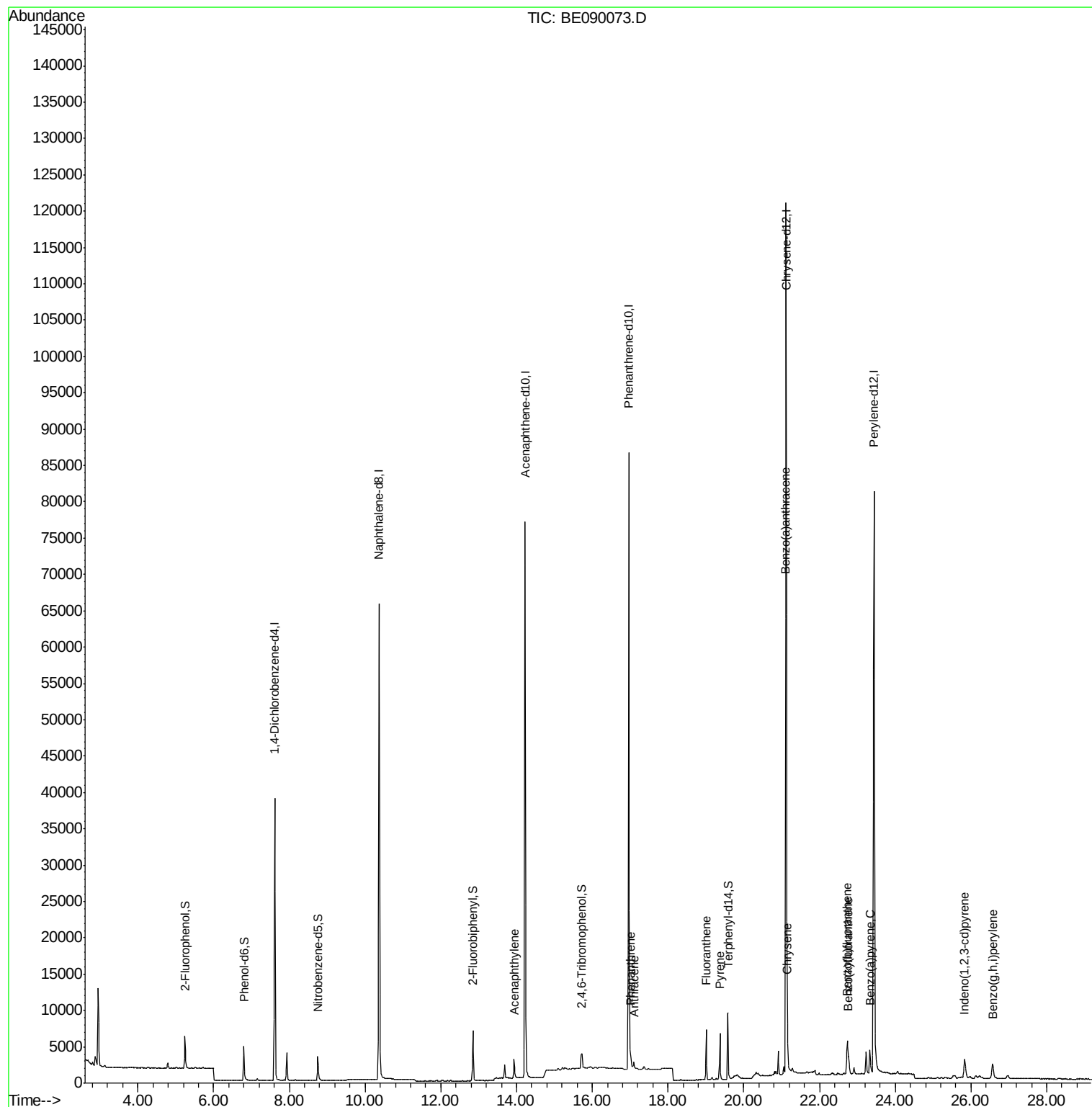
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070815\
Data File : BE090073.D
Acq On : 8 Jul 2015 23:55
Operator : TP/IZ
Sample : G2782-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

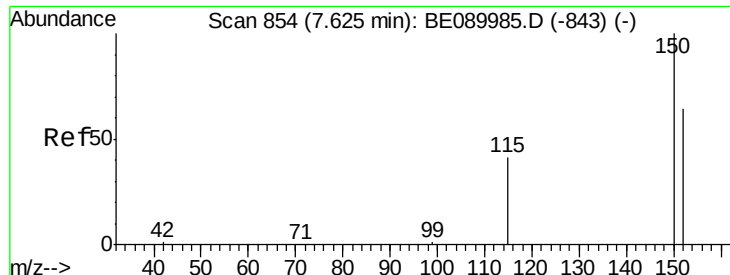
Instrument :
BNA_E
ClientSampleId :
X3SS0330006-150624

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Quant Time: Jul 09 02:25:06 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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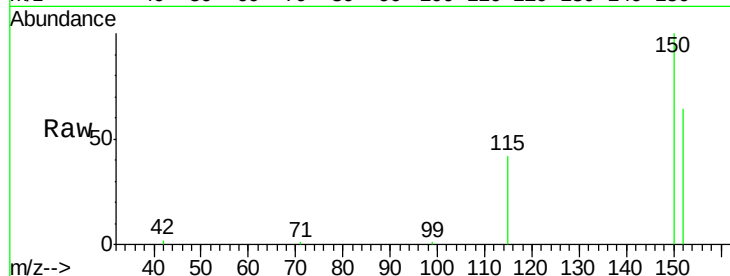




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

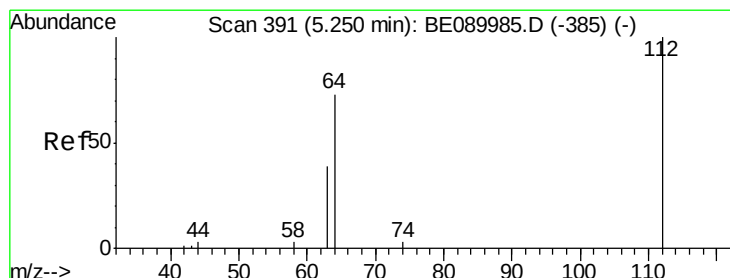
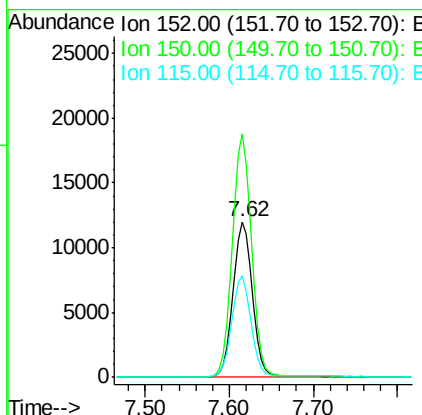
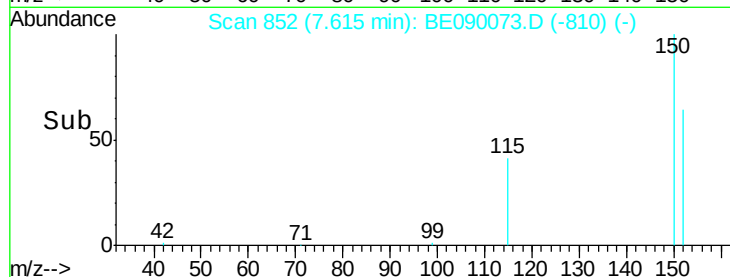
Instrument :
BNA_E
ClientSampleId :
X3SS0330006-150624



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.9	185.9
115	65.3	50.6	76.0

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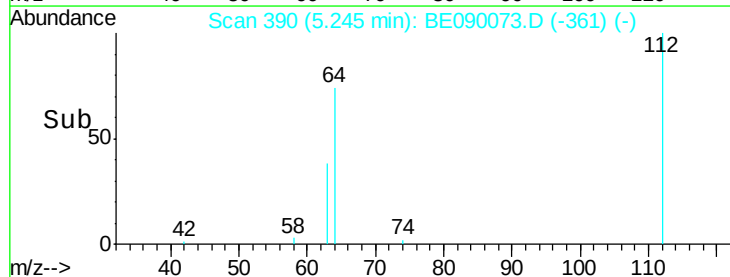
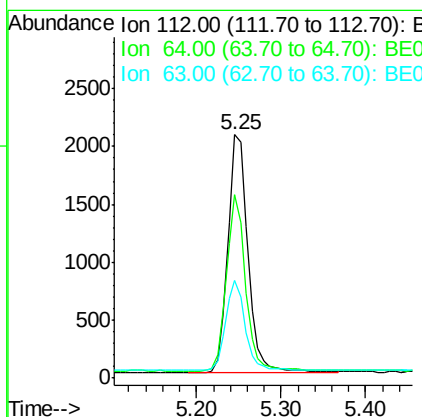
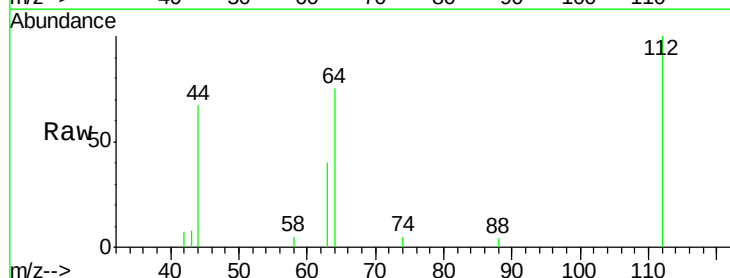
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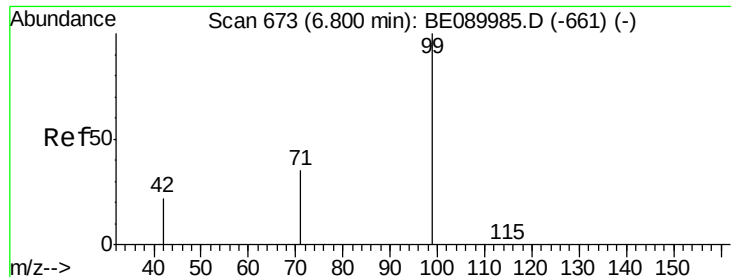


#4

2-Fluorophenol
Concen: 0.79 ng
RT: 5.25 min Scan# 390
Delta R.T. -0.00 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	56.3	84.5
63	36.2	29.8	44.6





#5

Phenol-d6

Concen: 0.89 ng

RT: 6.80 min Scan# 673

Delta R.T. 0.00 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Instrument :

BNA_E

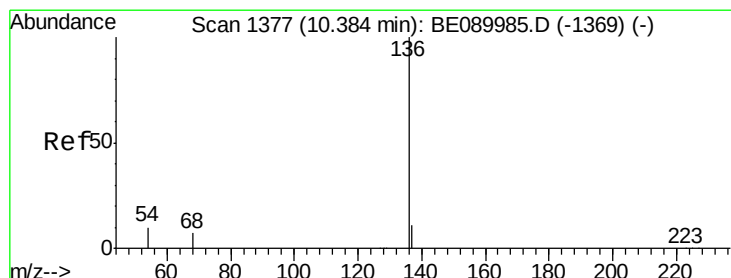
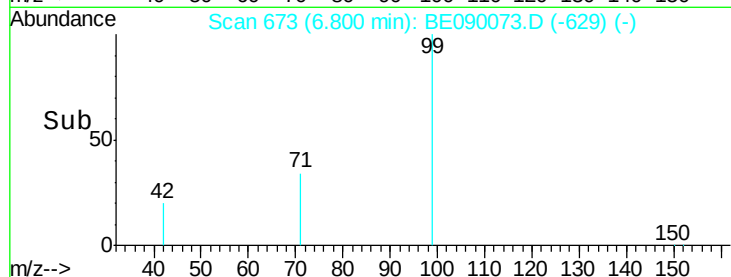
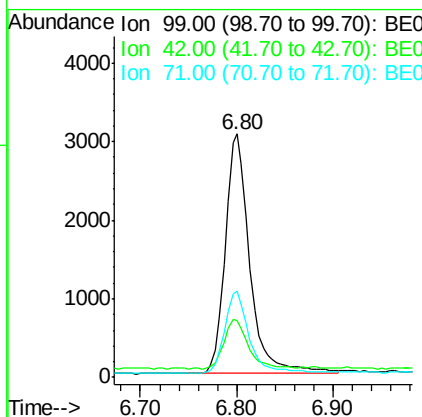
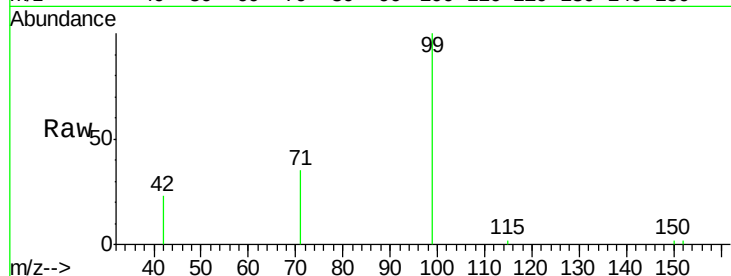
ClientSampleId :

X3SS0330006-150624

Tgt Ion:	99	Resp:	5424
Ion	Ratio	Lower	Upper
99	100		
42	20.9	18.7	28.1
71	34.7	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

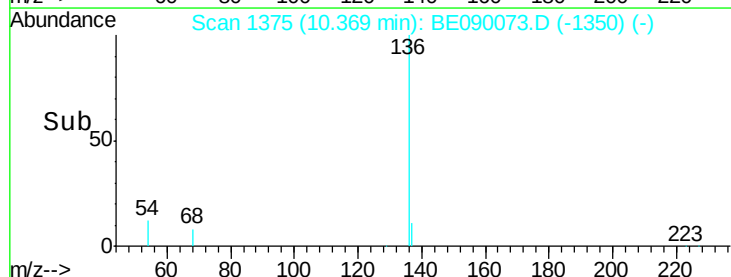
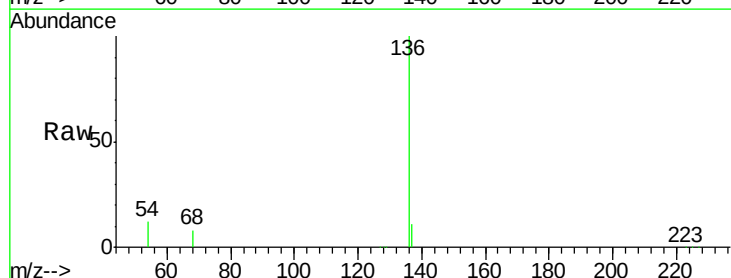
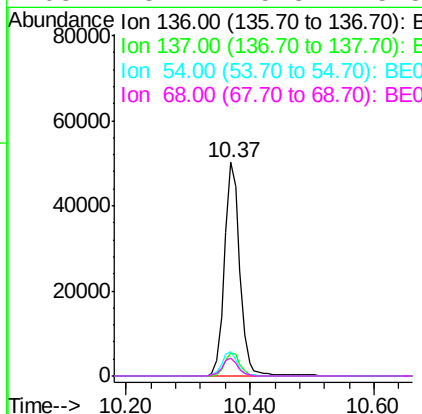
RT: 10.37 min Scan# 1375

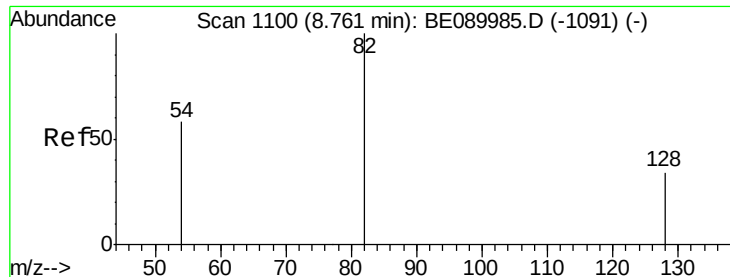
Delta R.T. -0.02 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Tgt Ion:	136	Resp:	85461
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	11.6	8.2	12.4
68	8.4	5.8	8.8





#7

Nitrobenzene-d5

Concen: 0.46 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BE090073.D

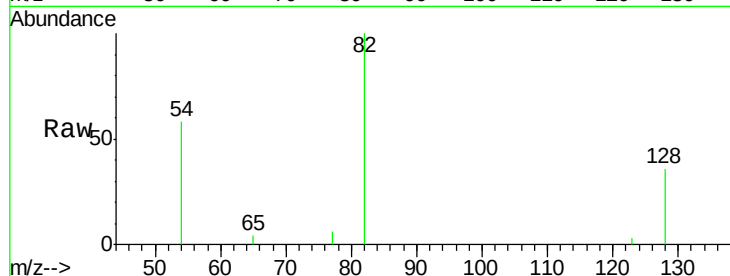
Acq: 8 Jul 2015 23:55

Instrument :

BNA_E

ClientSampleId :

X3SS0330006-150624



Tgt Ion: 82 Resp: 3133

Ion Ratio Lower Upper

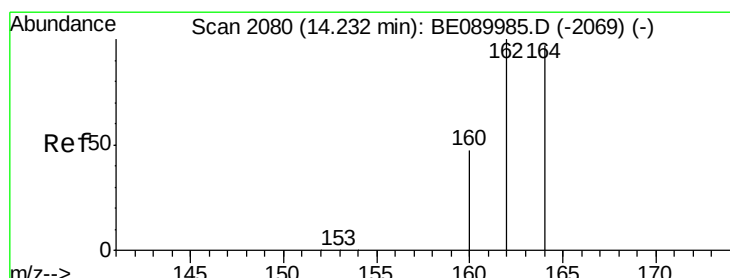
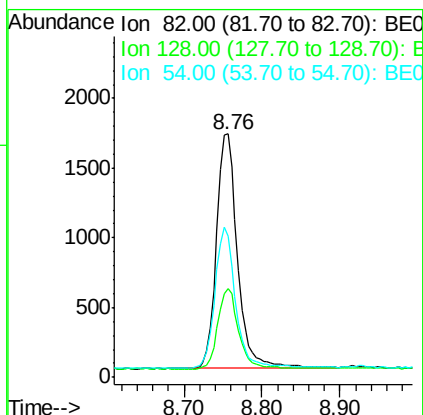
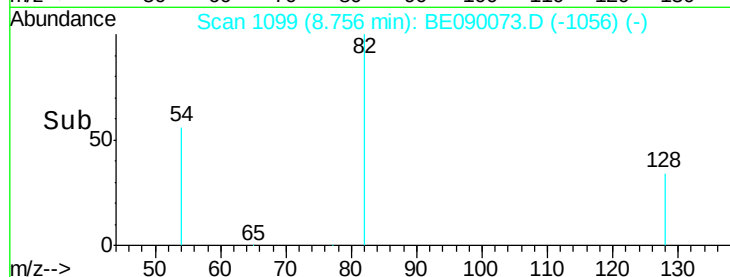
82 100

128 36.2 28.0 42.0

54 58.0 47.6 71.4

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

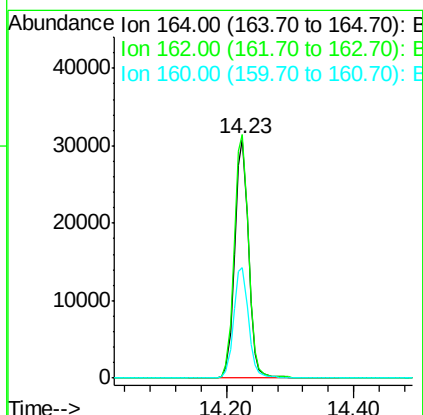
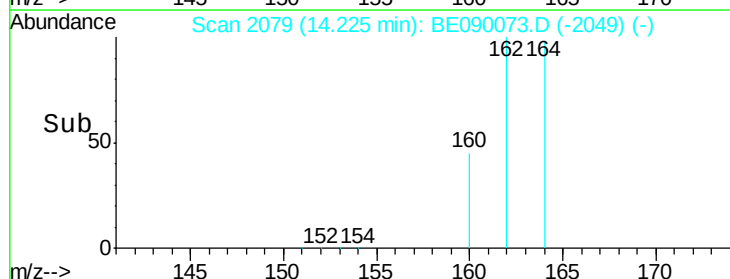
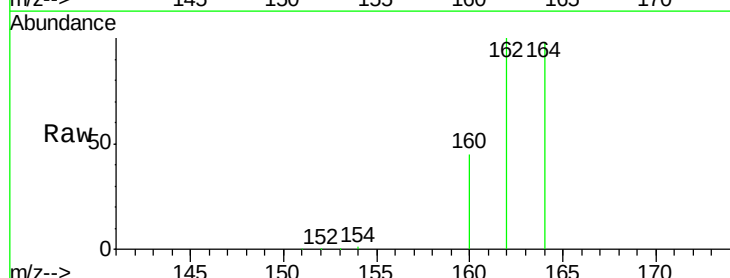
Tgt Ion: 164 Resp: 46121

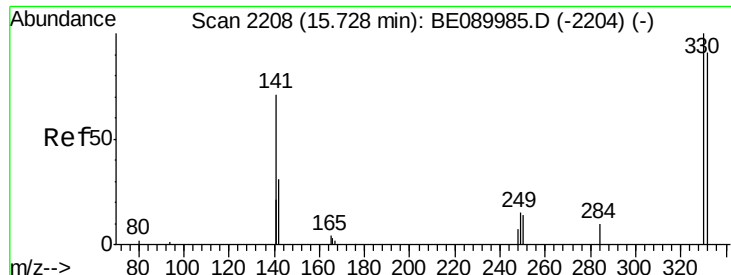
Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.4

160 46.3 39.0 58.6





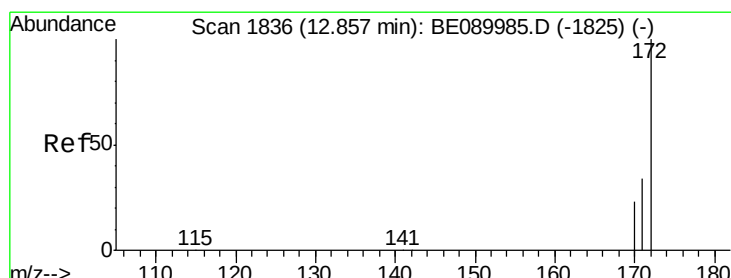
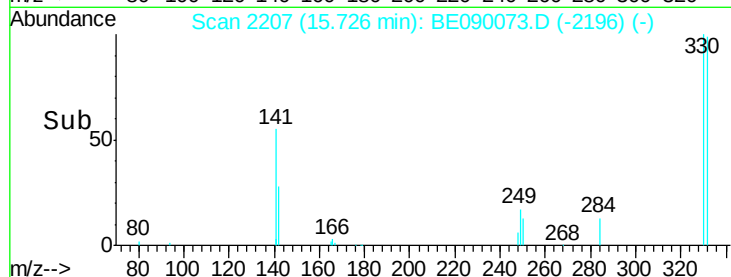
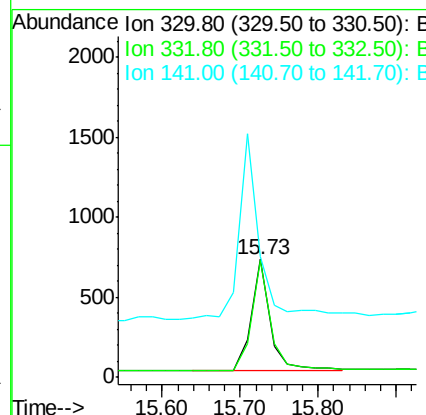
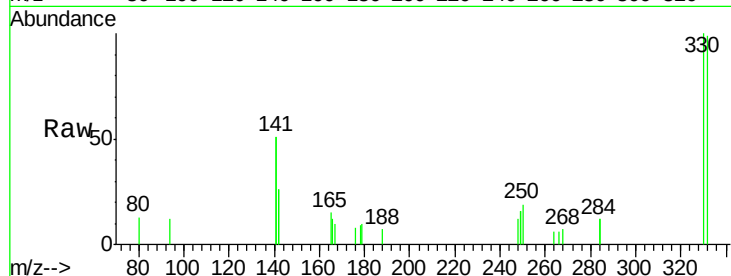
#13
 2,4,6-Tribromophenol
 Concen: 0.88 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090073.D
 Acq: 8 Jul 2015 23:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0330006-150624

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.4	114.6
141	188.5	130.3	195.5

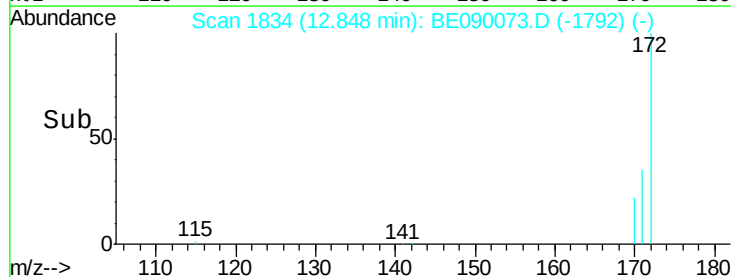
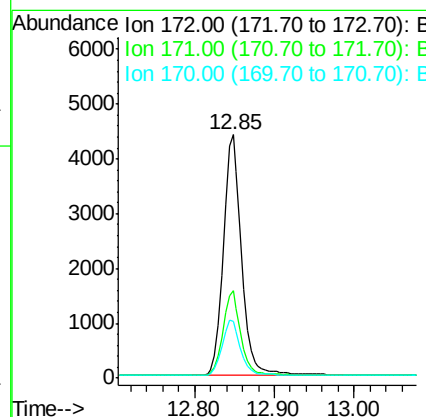
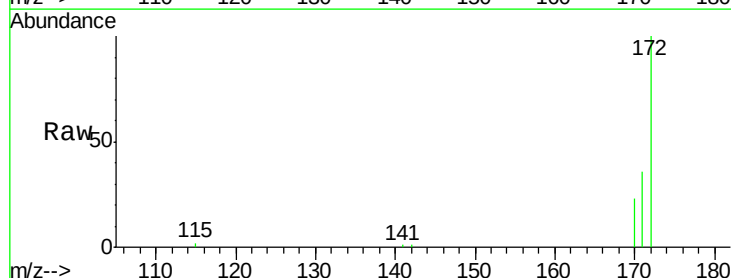
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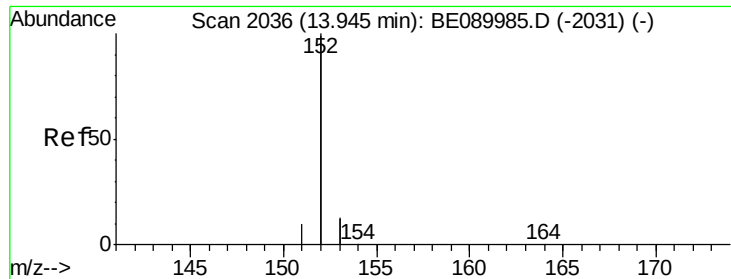
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#14
 2-Fluorobiphenyl
 Concen: 0.51 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090073.D
 Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	23.2	18.3	27.5





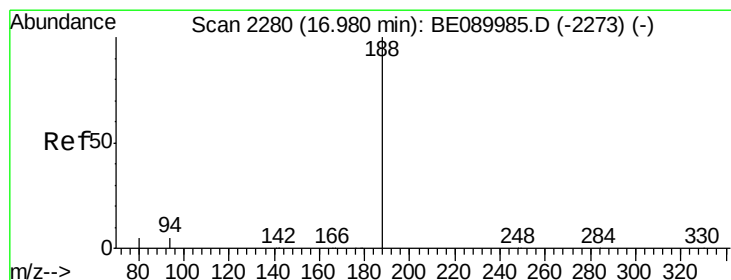
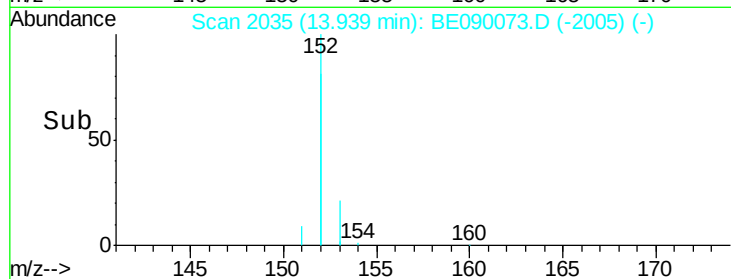
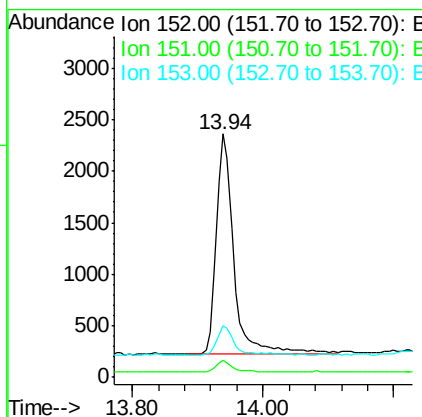
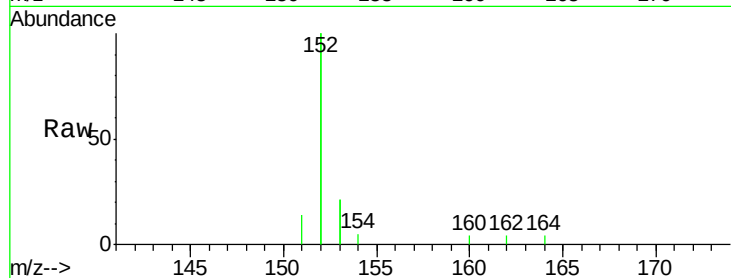
#15
Acenaphthylene
Concen: 0.05 ng
RT: 13.94 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Instrument :
BNA_E
ClientSampleId :
X3SS0330006-150624

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.3	10.4	15.6

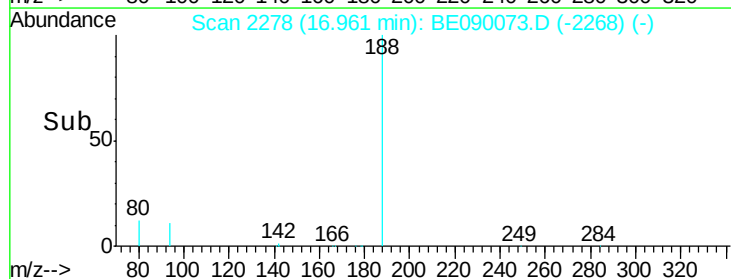
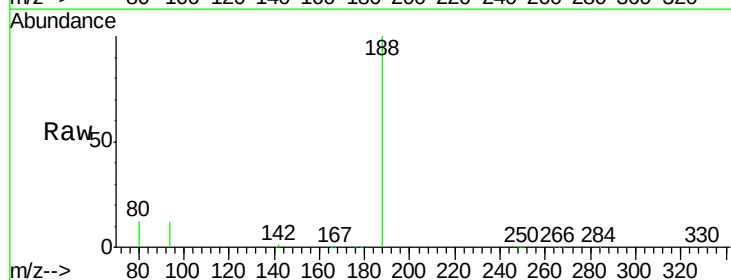
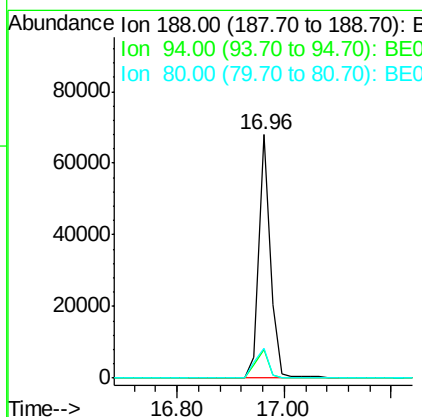
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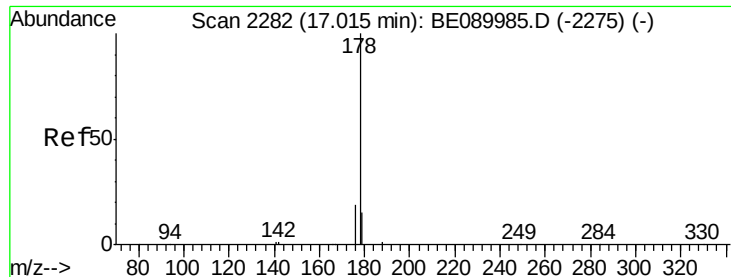
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	4.1	6.1#
80	12.3	4.2	6.2#





#22

Phenanthrene

Concen: 0.07 ng m

RT: 17.00 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BE090073.D

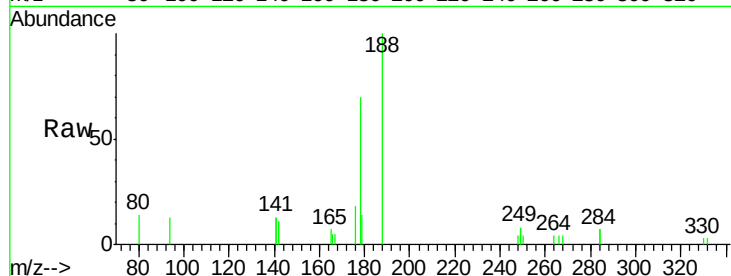
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Instrument :

BNA_E

ClientSampleId :

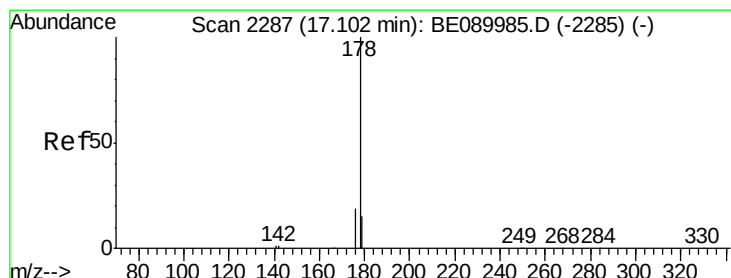
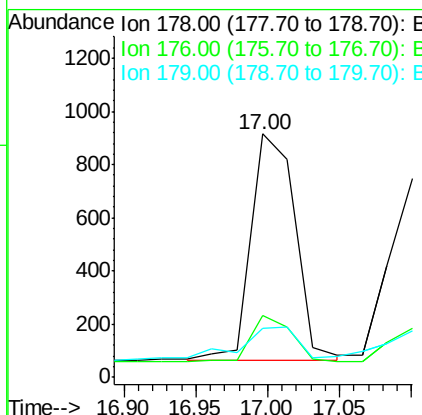
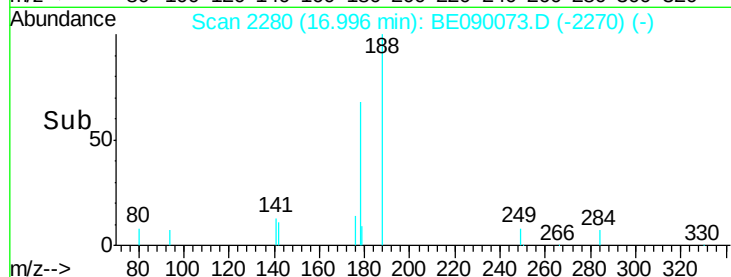
X3SS0330006-150624



Tgt Ion:	178	Resp:	1812
Ion Ratio	Lower	Upper	
178	100		
176	12.3	15.3	22.9#
179	9.7	12.4	18.6#

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#23

Anthracene

Concen: 0.05 ng

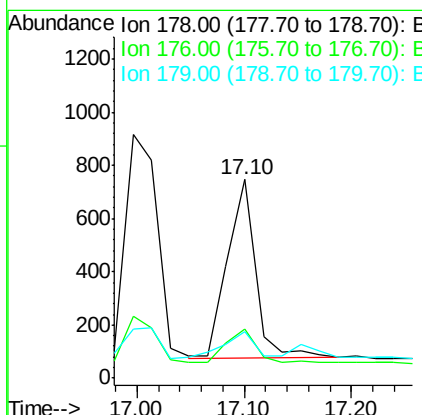
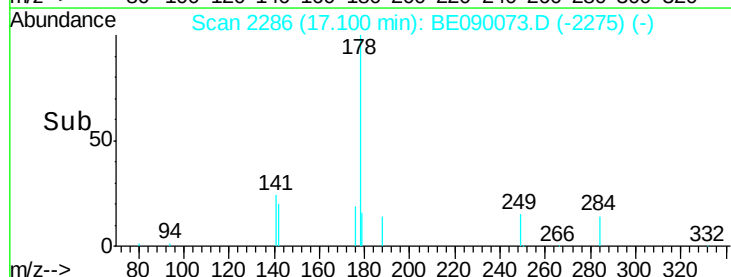
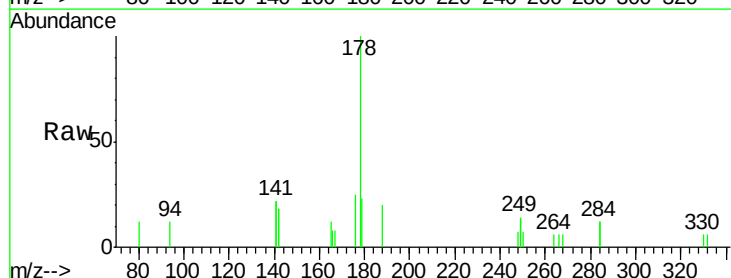
RT: 17.10 min Scan# 2286

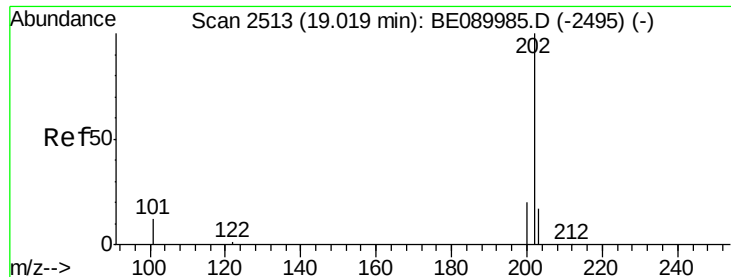
Delta R.T. -0.00 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Tgt Ion:	178	Resp:	1223
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.7	22.1
179	15.9	12.1	18.1





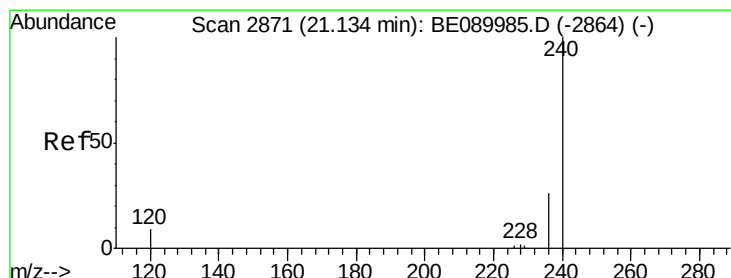
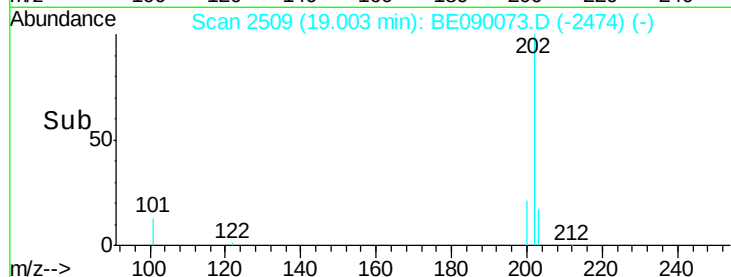
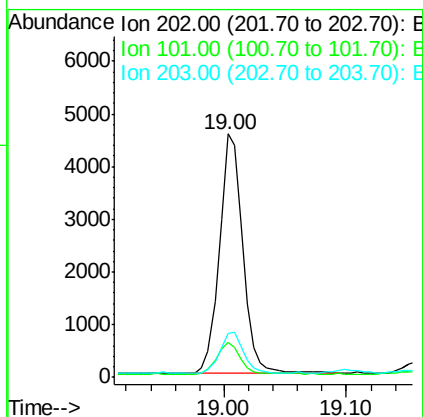
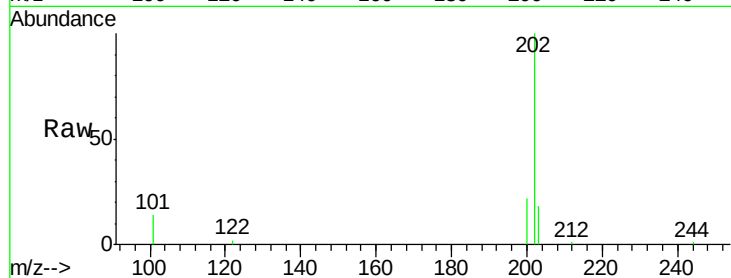
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Fluoranthene
Concen: 0.21 ng
RT: 19.00 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Instrument :
BNA_E
ClientSampleId :
X3SS0330006-150624

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.6	15.8
203	16.9	13.8	20.6

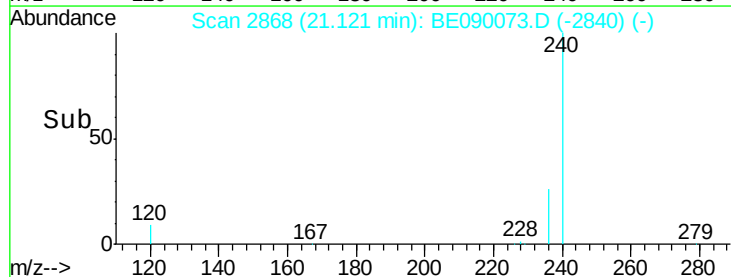
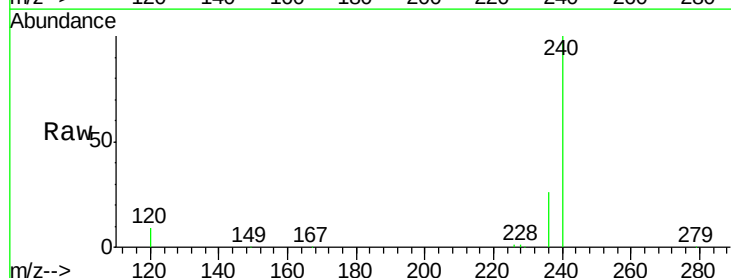
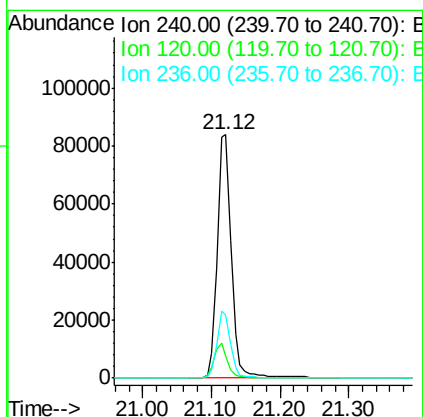
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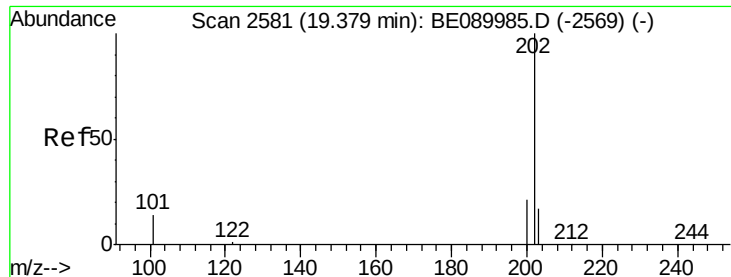
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#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.9	10.3
236	25.9	20.8	31.2





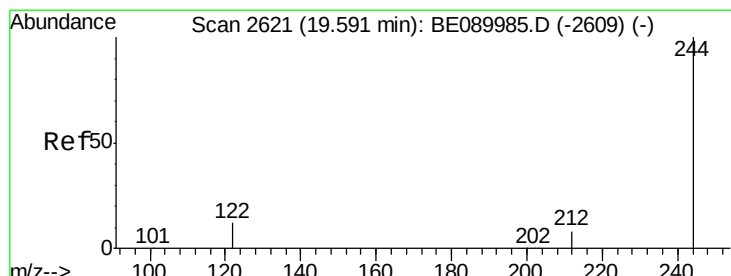
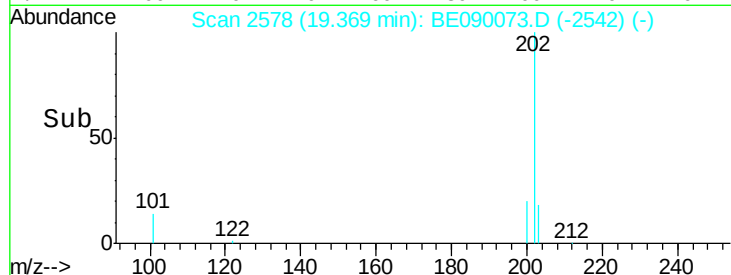
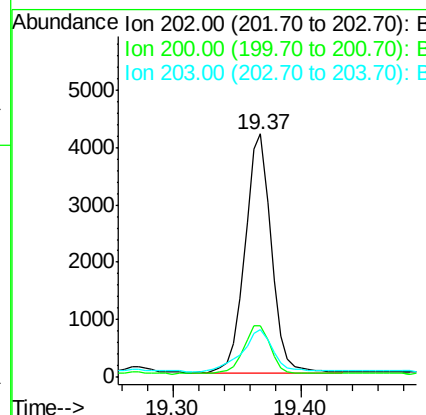
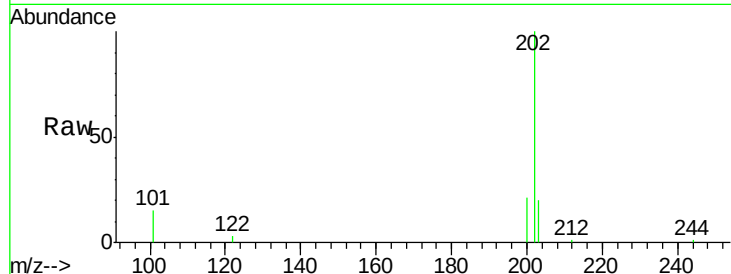
#26
 Pyrene
 Concen: 0.21 ng
 RT: 19.37 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BE090073.D
 Acq: 8 Jul 2015 23:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0330006-150624

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	16.8	25.2
203	21.1	13.9	20.9

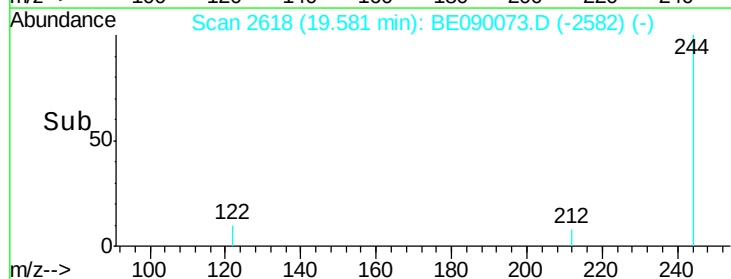
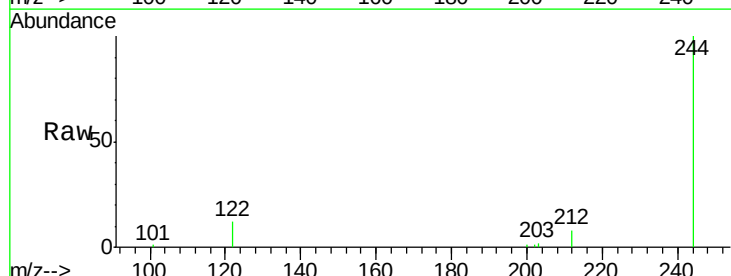
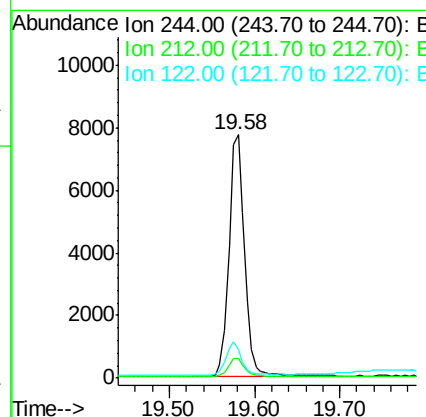
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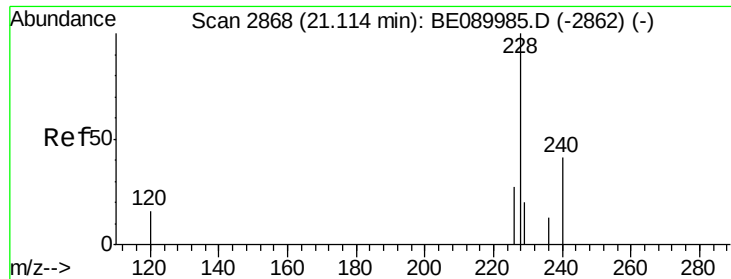
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#27
 Terphenyl-d14
 Concen: 0.50 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090073.D
 Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.2	6.6	9.8
122	11.6	9.8	14.8





#28

Benzo(a)anthracene

Concen: 0.16 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Instrument :

BNA_E

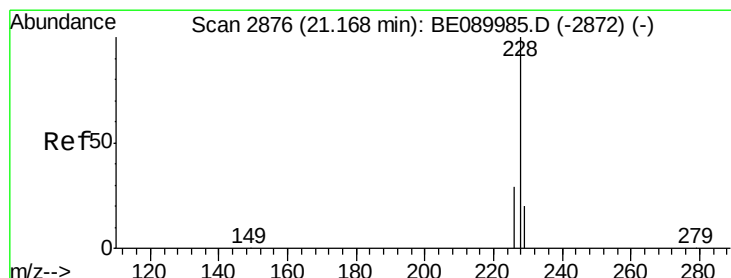
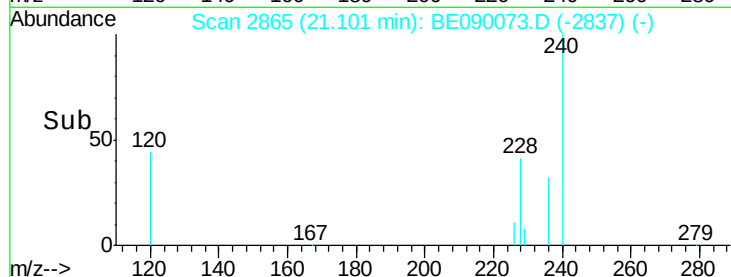
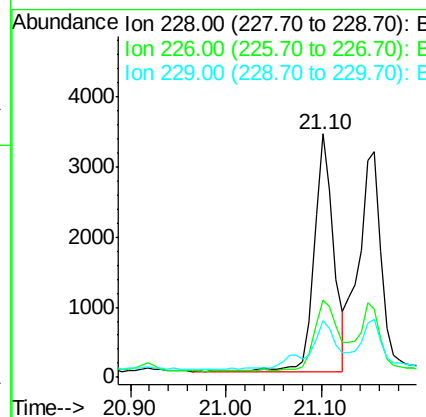
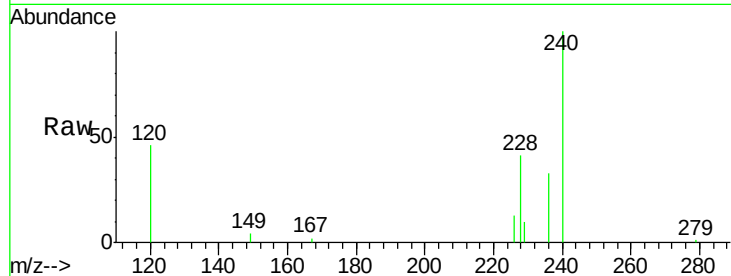
ClientSampleId :

X3SS0330006-150624

Tgt Ion:	228	Resp:	4754
Ion Ratio	Lower	Upper	
228	100		
226	32.0	21.8	32.6
229	23.2	15.8	23.6

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#29

Chrysene

Concen: 0.17 ng m

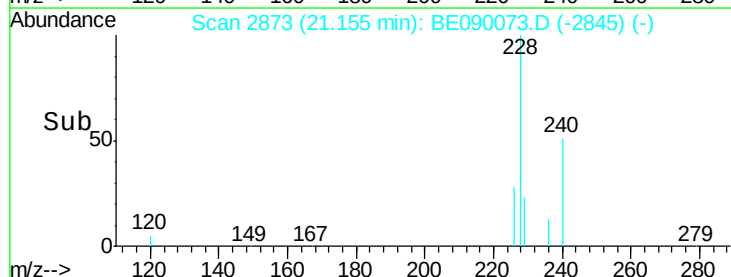
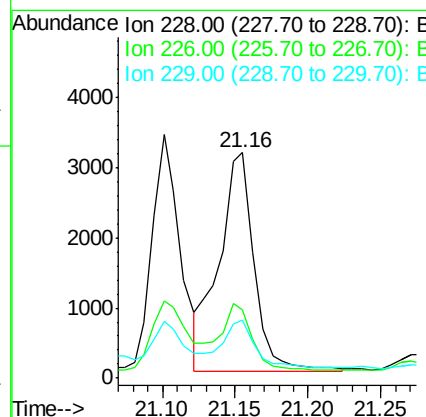
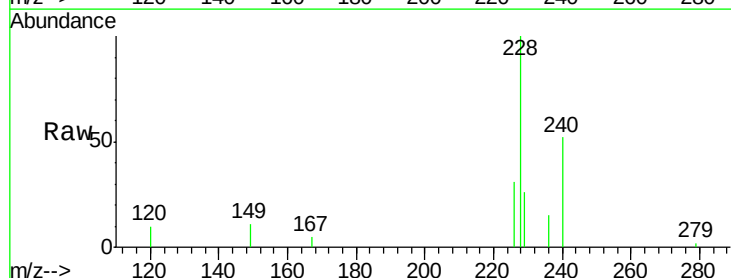
RT: 21.16 min Scan# 2873

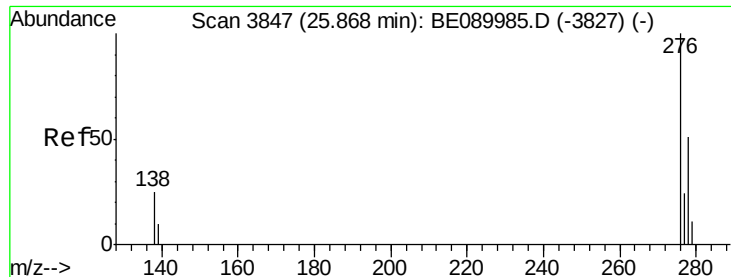
Delta R.T. -0.01 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Tgt Ion:	228	Resp:	5392
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.4	35.0
229	25.7	16.2	24.2#





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.04 min

Lab File: BE090073.D

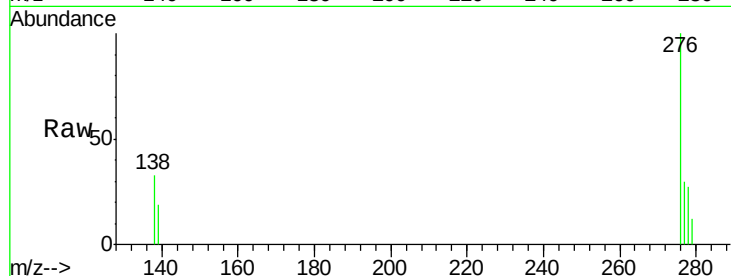
Acq: 8 Jul 2015 23:55

Instrument :

BNA_E

ClientSampleId :

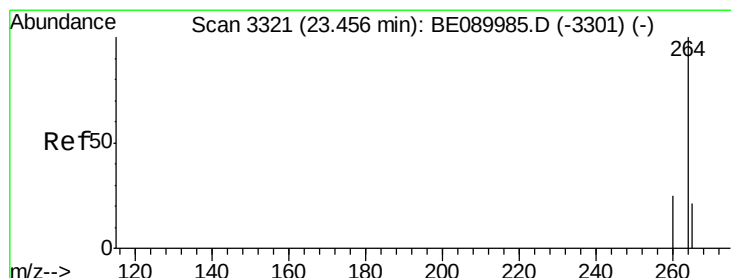
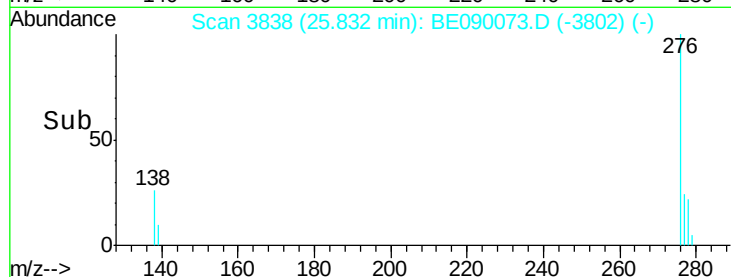
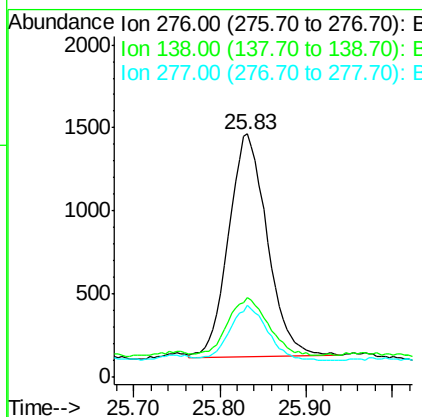
X3SS0330006-150624



Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.3	31.9
277	24.1	19.7	29.5

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#32

Perylene-d12

Concen: 5.00 ng

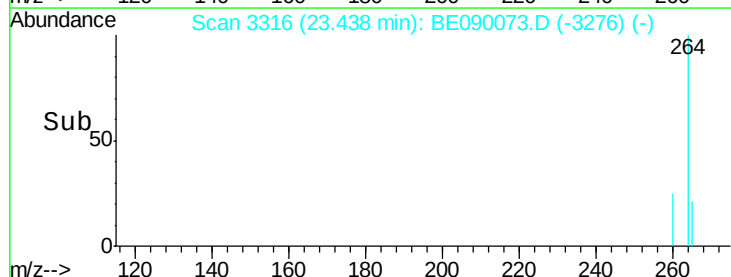
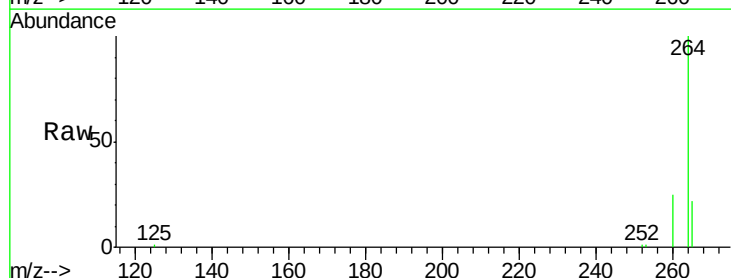
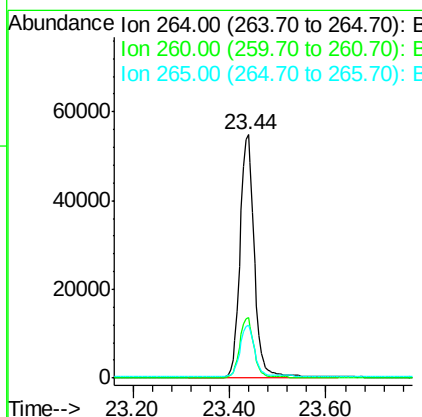
RT: 23.44 min Scan# 3316

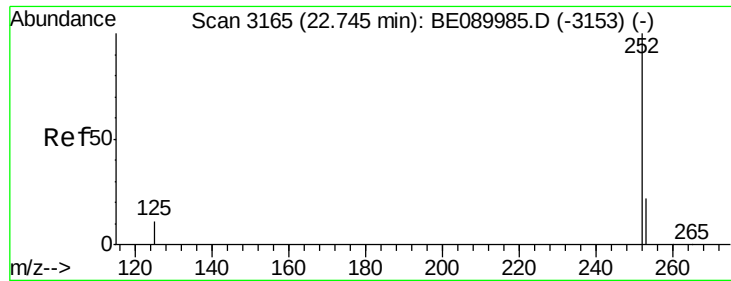
Delta R.T. -0.02 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	21.8	17.1	25.7





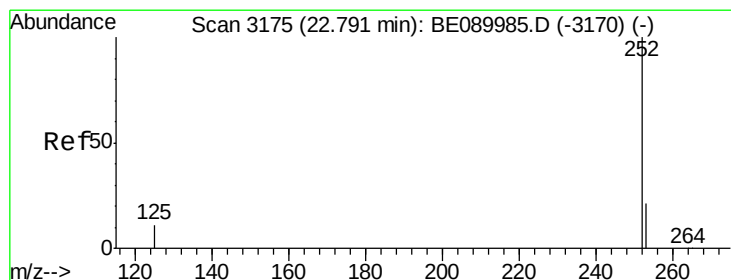
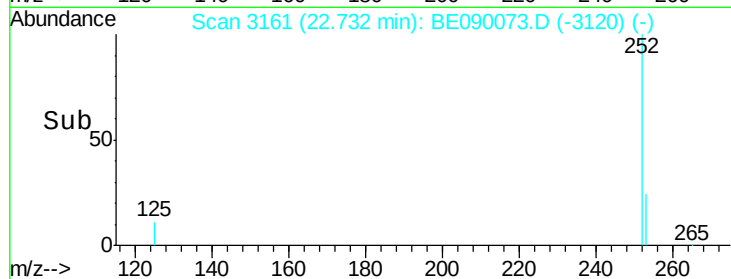
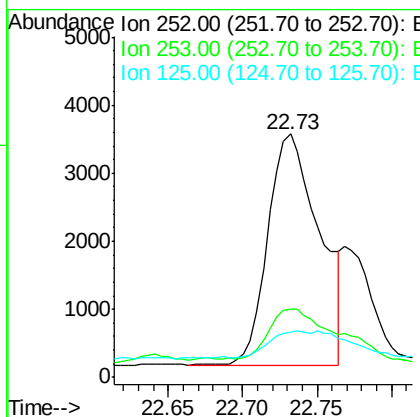
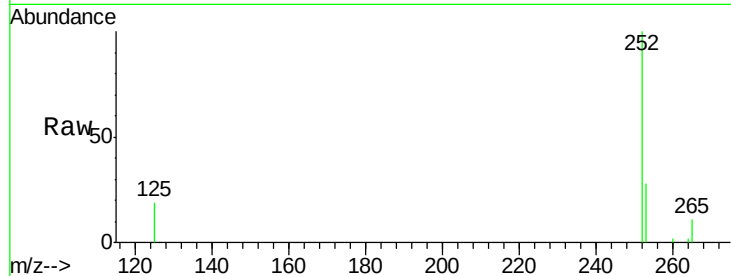
#33
Benzo(b)fluoranthene
Concen: 0.33 ng
RT: 22.73 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Instrument :
BNA_E
ClientSampleId :
X3SS0330006-150624

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.8	26.8#
125	18.7	9.0	13.4#

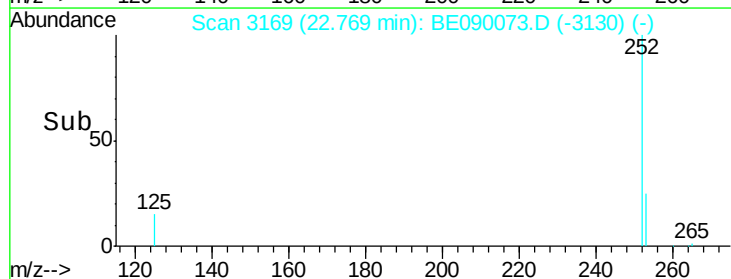
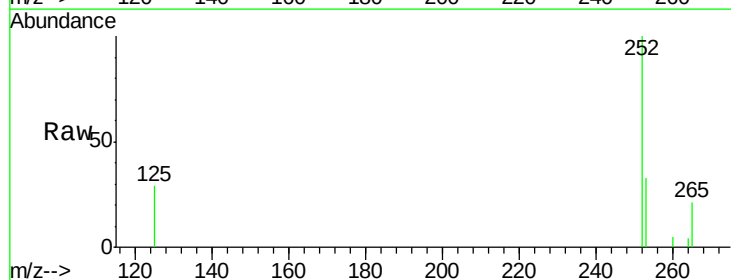
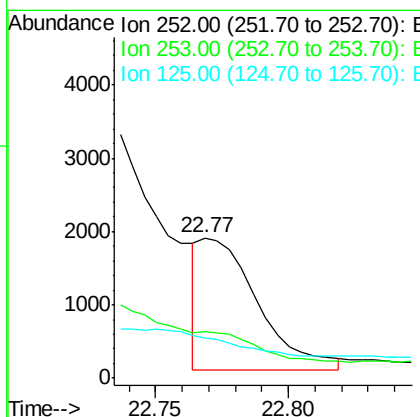
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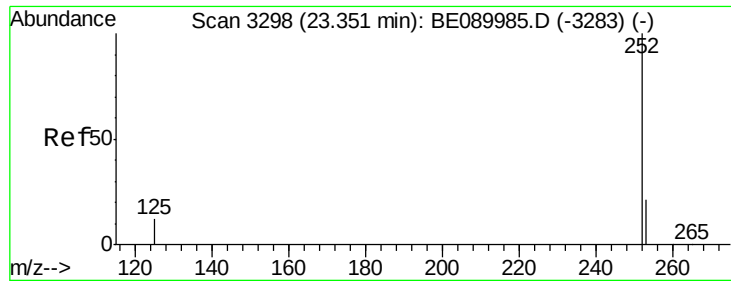
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#34
Benzo(k)fluoranthene
Concen: 0.10 ng m
RT: 22.77 min Scan# 3169
Delta R.T. -0.02 min
Lab File: BE090073.D
Acq: 8 Jul 2015 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.5	26.3#
125	28.7	9.5	14.3#





#35

Benzo(a)pyrene

Concen: 0.22 ng

RT: 23.33 min Scan# 3292

Delta R.T. -0.02 min

Lab File: BE090073.D

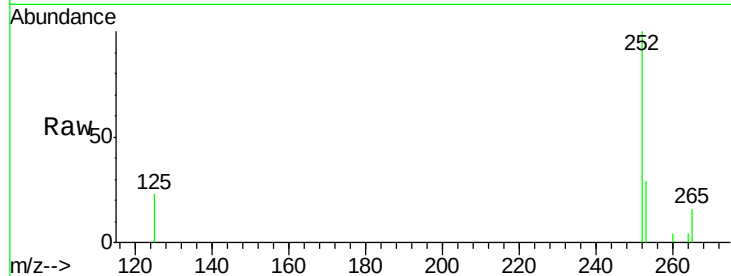
Acq: 8 Jul 2015 23:55

Instrument :

BNA_E

ClientSampleId :

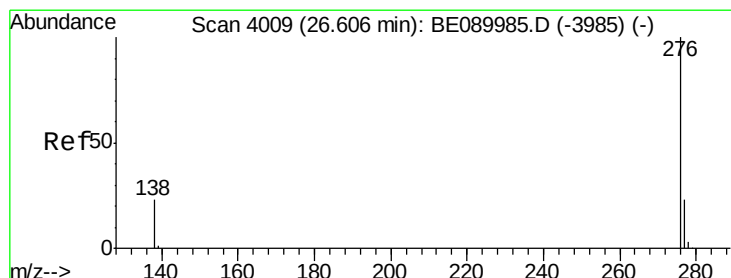
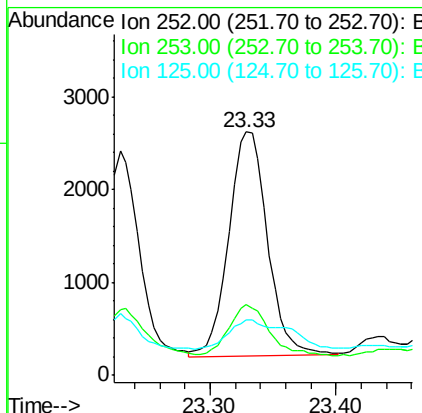
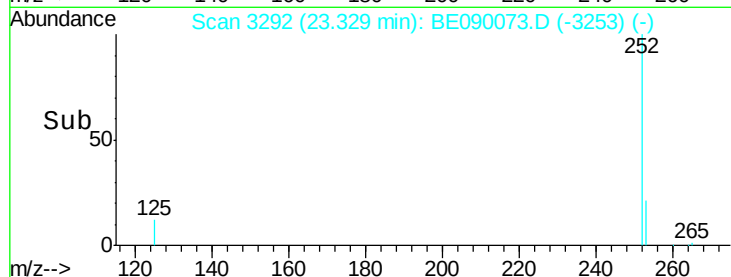
X3SS0330006-150624



Tgt Ion:	252	Resp:	5125
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.4	26.2#
125	22.6	10.5	15.7#

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#37

Benzo(g,h,i)perylene

Concen: 0.20 ng

RT: 26.57 min Scan# 3999

Delta R.T. -0.04 min

Lab File: BE090073.D

Acq: 8 Jul 2015 23:55

Tgt Ion:	276	Resp:	4816
Ion Ratio	Lower	Upper	
276	100		
277	27.9	18.8	28.2
138	30.1	18.6	27.8#

