

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070815\
 Data File : BE090067.D
 Acq On : 8 Jul 2015 20:20
 Operator : TP/IZ
 Sample : G2824-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0820006-150626

Manual Integrations
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Quant Time: Jul 09 01:45:23 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	7.61	152	21467	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	94134	5.00	ng	-0.01
12) Acenaphthene-d10	14.22	164	52183	5.00	ng	-0.01
18) Phenanthrene-d10	16.96	188	116827	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	135877	5.00	ng	-0.01
32) Perylene-d12	23.43	264	124894	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	23998	4.87	ng	0.00
5) Phenol-d6	6.80	99	41109	5.96	ng	0.00
7) Nitrobenzene-d5	8.75	82	23995	3.21	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	10087	6.60	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	58358	3.72	ng	0.00
27) Terphenyl-d14	19.58	244	95182	4.20	ng	-0.02
Target Compounds						Qvalue
22) Phenanthrene	17.00	178	6317	0.21	ng	97
23) Anthracene	17.08	178	902m	0.03	ng	
24) Fluoranthene	19.00	202	22040	0.66	ng	99
26) Pyrene	19.36	202	20833	0.64	ng	97
28) Benzo(a)anthracene	21.10	228	13626	0.40	ng	98
29) Chrysene	21.15	228	18050	0.51	ng	97
31) Indeno(1,2,3-cd)pyrene	25.83	276	10406	0.31	ng	96
33) Benzo(b)fluoranthene	22.73	252	22982	0.83	ng	# 96
34) Benzo(k)fluoranthene	22.77	252	9029m	0.29	ng	
35) Benzo(a)pyrene	23.32	252	14420	0.57	ng	96
36) Dibenzo(a,h)anthracene	25.85	278	2485	0.10	ng	# 78
37) Benzo(g,h,i)perylene	26.57	276	11251	0.42	ng	94

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

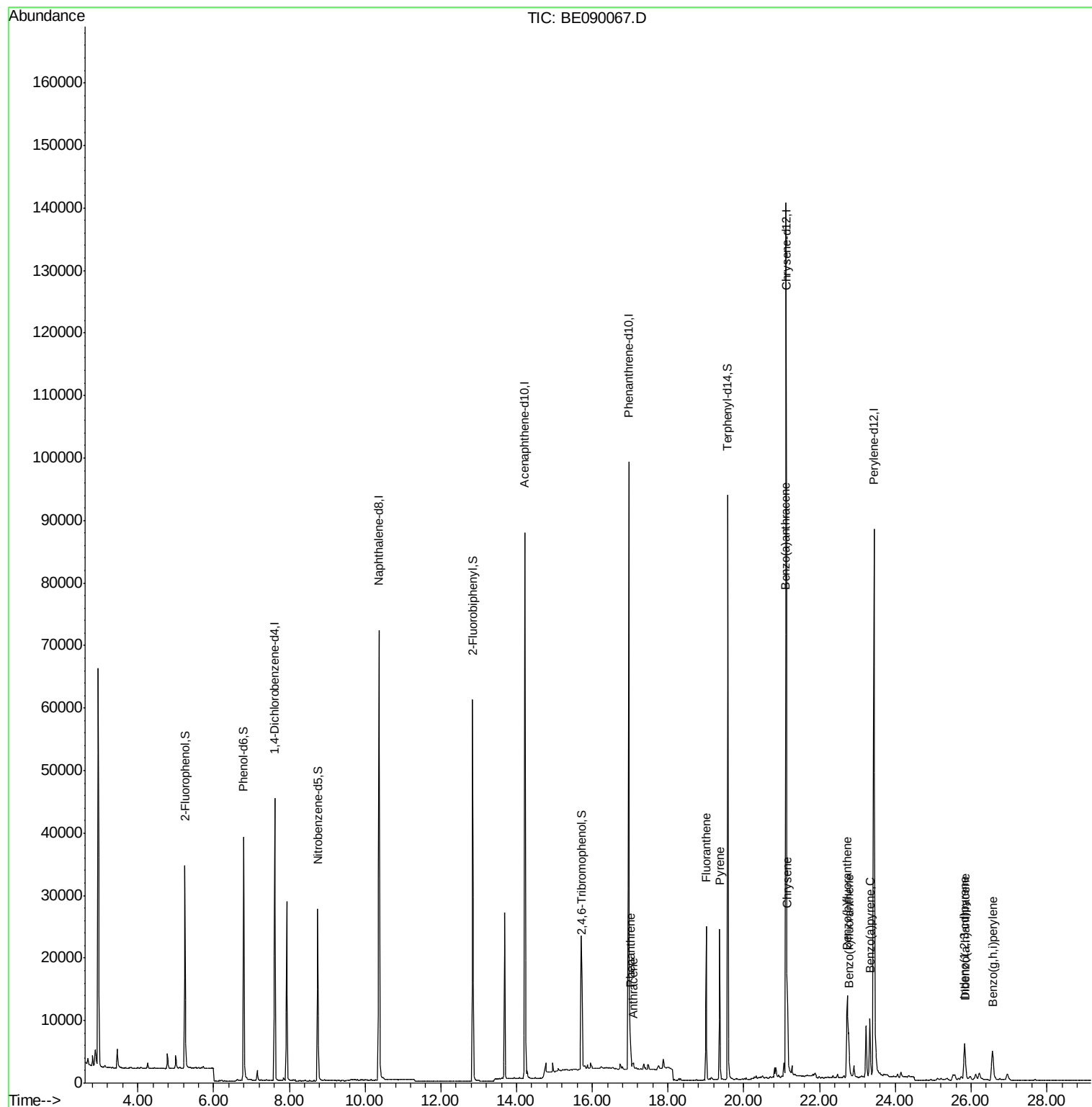
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070815\
Data File : BE090067.D
Acq On : 8 Jul 2015 20:20
Operator : TP/IZ
Sample : G2824-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

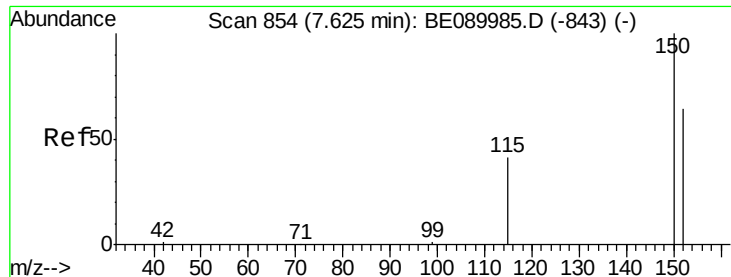
Instrument :
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Quant Time: Jul 09 01:45:23 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090067.D

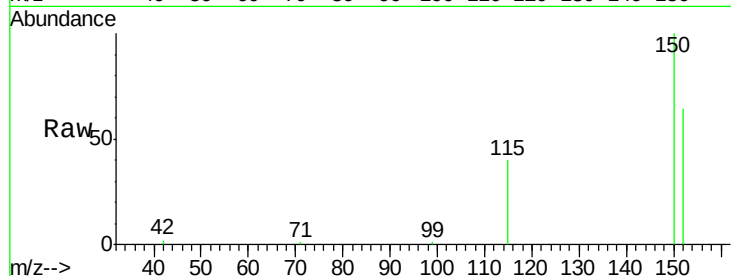
Acq: 8 Jul 2015 20:20

Instrument :

BNA_E

ClientSampleId :

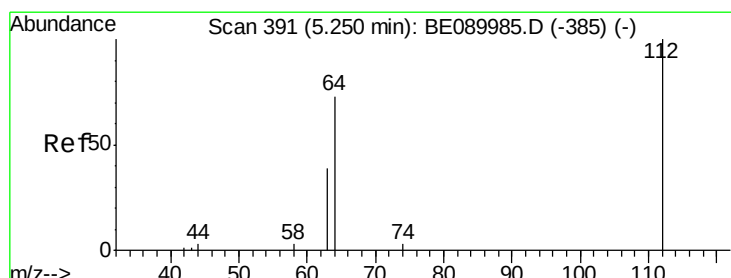
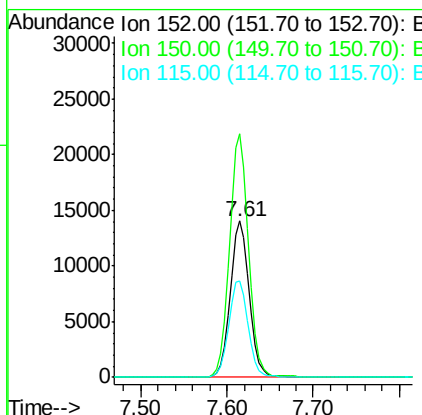
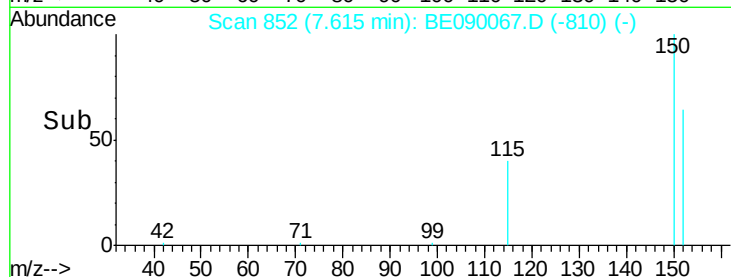
X1SS0820006-150626



Tgt Ion:	152	Resp:	21467
Ion Ratio	Lower	Upper	
152	100		
150	155.6	123.9	185.9
115	62.0	50.6	76.0

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#4

2-Fluorophenol

Concen: 4.87 ng

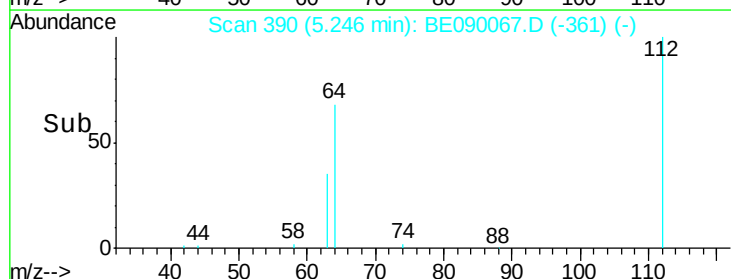
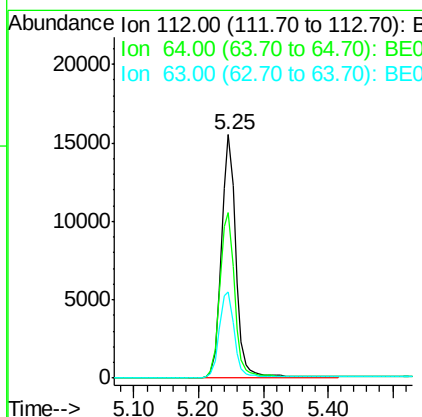
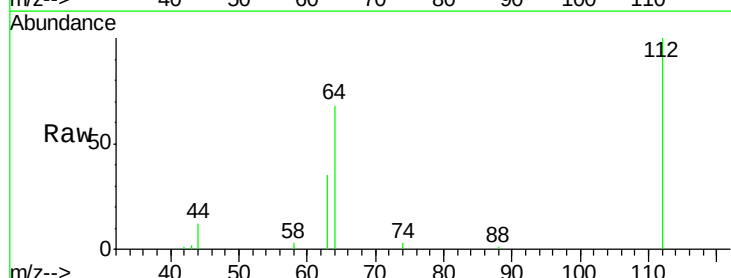
RT: 5.25 min Scan# 390

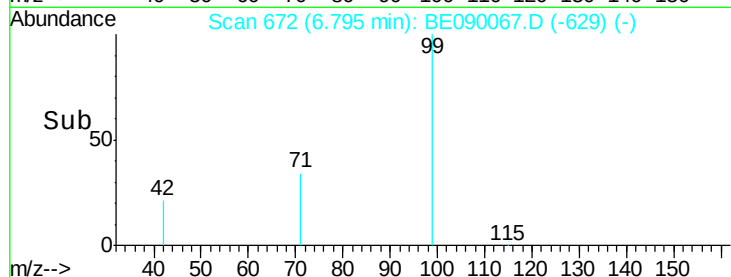
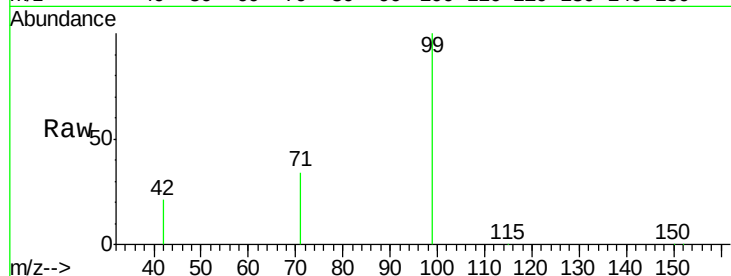
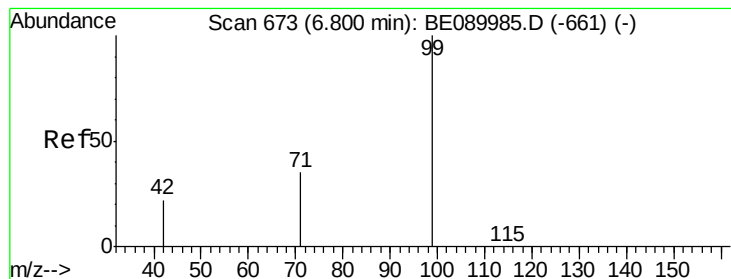
Delta R.T. -0.00 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

Tgt Ion:	112	Resp:	23998
Ion Ratio	Lower	Upper	
112	100		
64	69.7	56.3	84.5
63	36.7	29.8	44.6





#5

Phenol-d6

Concen: 5.96 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

Tgt Ion:	99	Resp:	41109
Ion Ratio	Lower	Upper	
99	100		
42	20.8	18.7	28.1
71	33.7	27.5	41.3

Instrument :

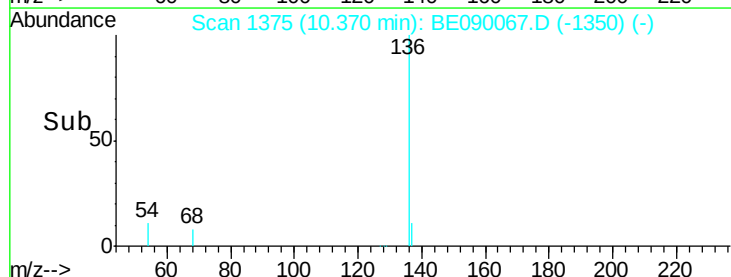
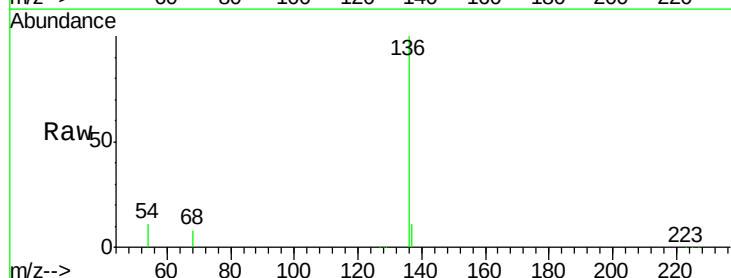
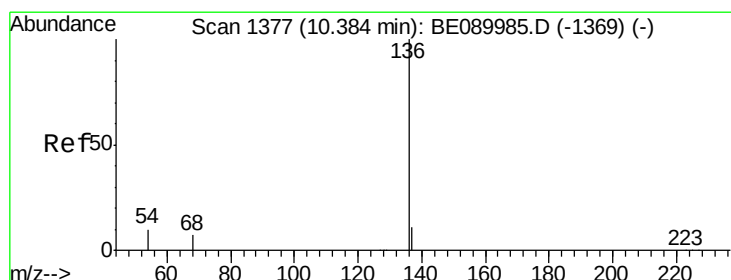
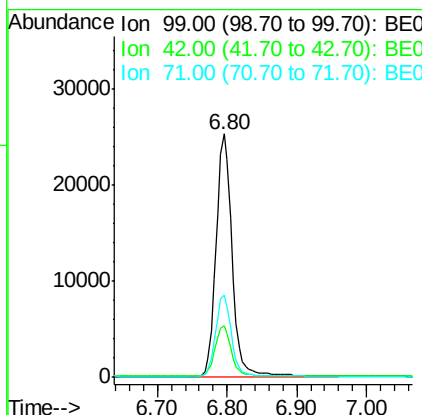
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ClientSampleId :

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#6

Naphthalene-d8

Concen: 5.00 ng

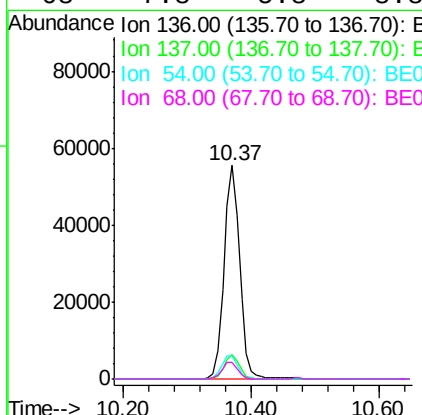
RT: 10.37 min Scan# 1375

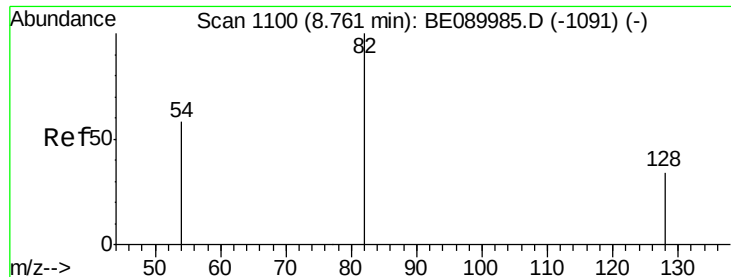
Delta R.T. -0.01 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

Tgt Ion:	136	Resp:	94134
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	11.0	8.2	12.4
68	7.8	5.8	8.8





#7

Nitrobenzene-d5

Concen: 3.21 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090067.D

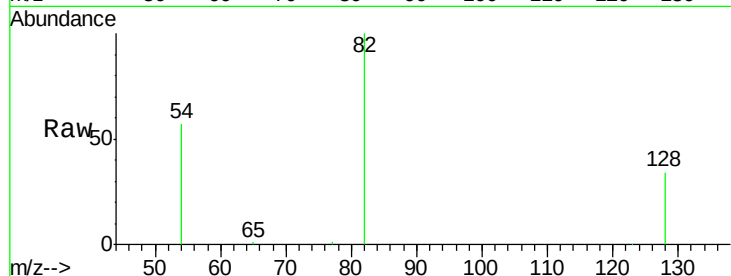
Acq: 8 Jul 2015 20:20

Instrument :

BNA_E

ClientSampleId :

X1SS0820006-150626



Tgt Ion: 82 Resp: 23995

Ion Ratio Lower Upper

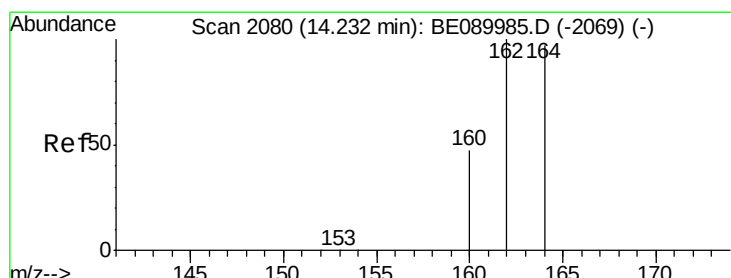
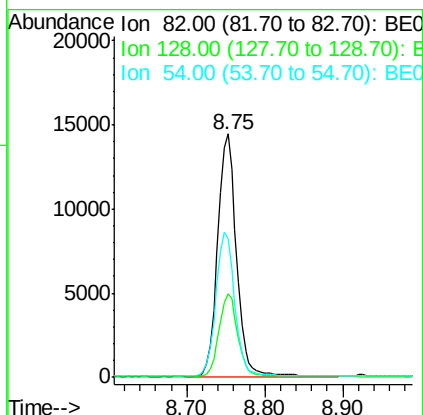
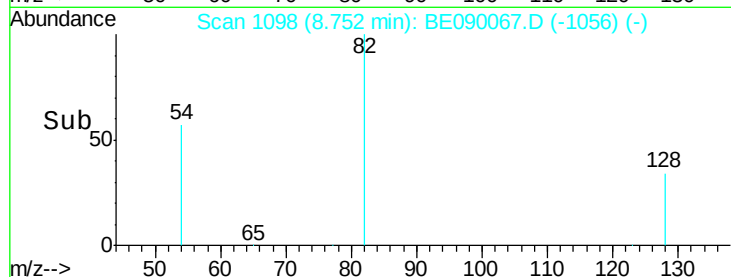
82 100

128 34.4 28.0 42.0

54 56.8 47.6 71.4

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

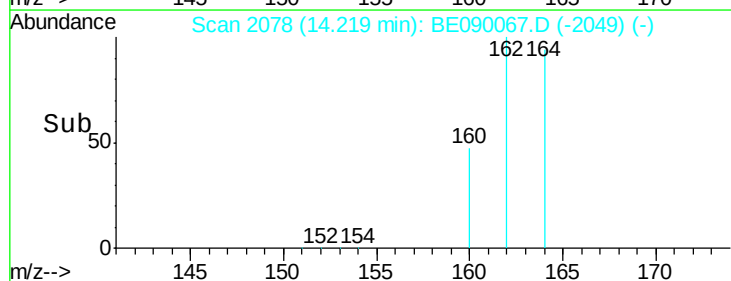
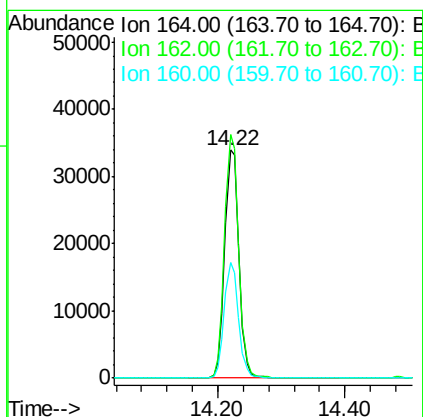
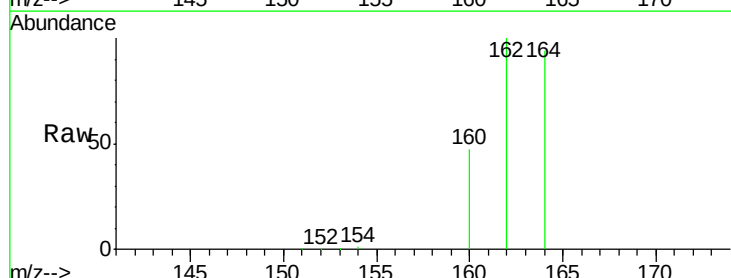
Tgt Ion: 164 Resp: 52183

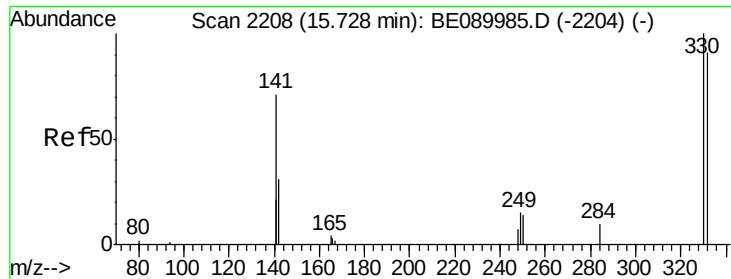
Ion Ratio Lower Upper

164 100

162 106.9 82.2 123.4

160 50.7 39.0 58.6





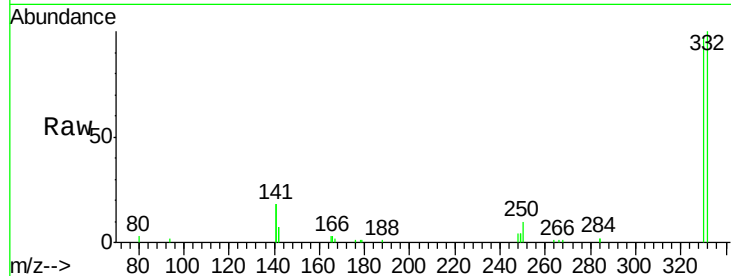
#13
 2,4,6-Tribromophenol
 Concen: 6.60 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0820006-150626

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.4	114.6
141	176.9	130.3	195.5

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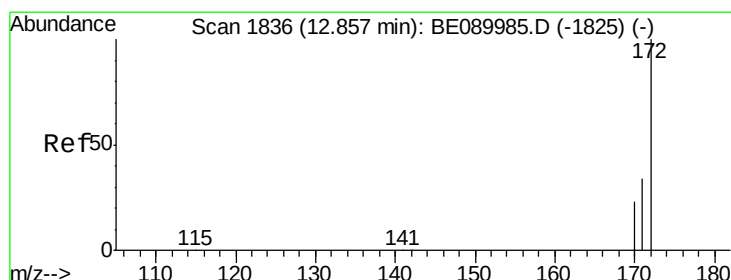
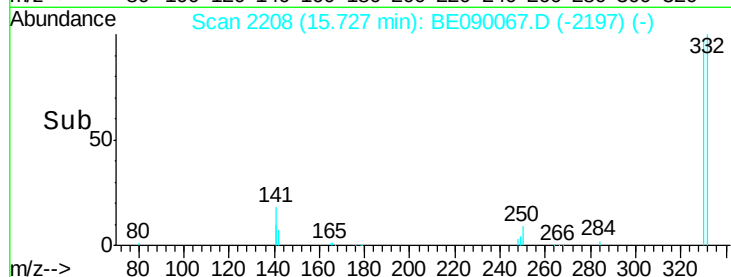
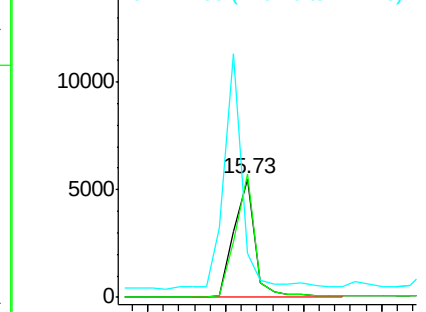


Abundance

Ion 329.80 (329.50 to 330.50): E

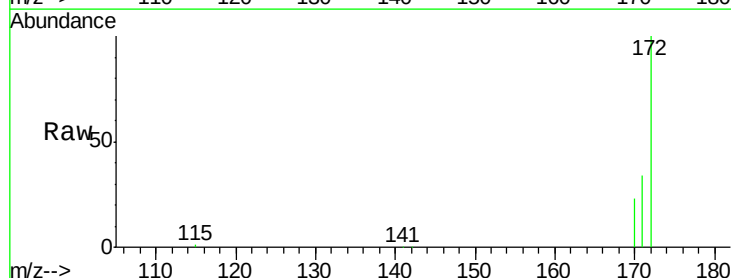
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#14
 2-Fluorobiphenyl
 Concen: 3.72 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	22.6	18.3	27.5

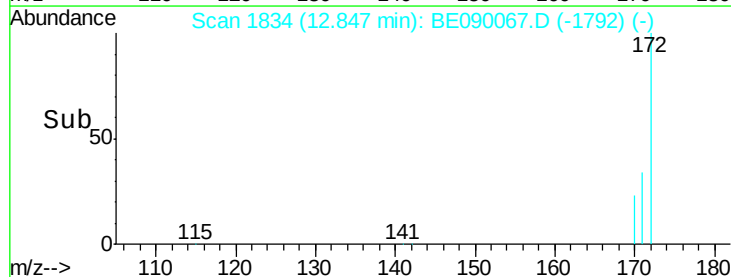
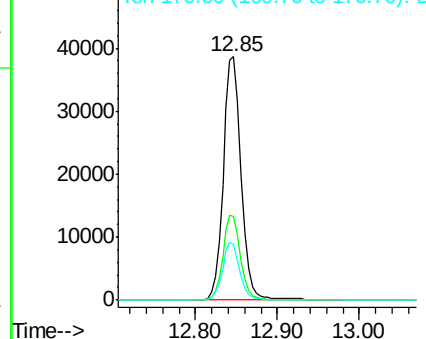


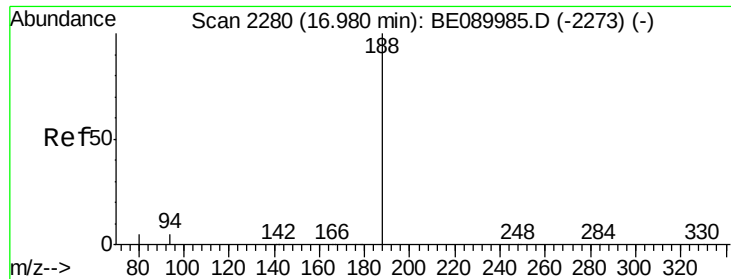
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





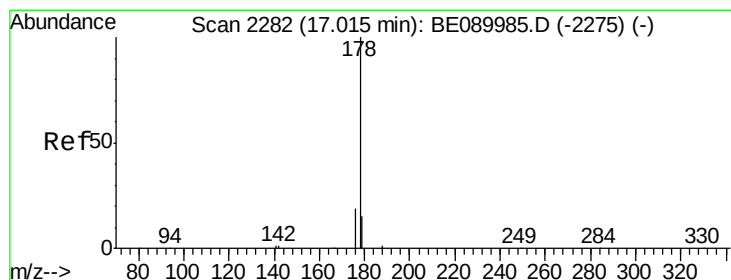
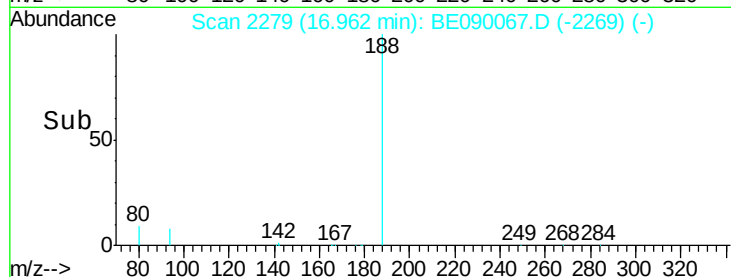
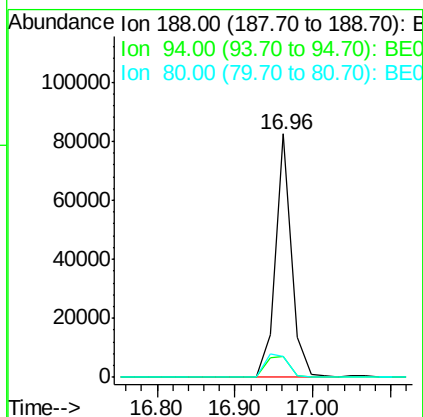
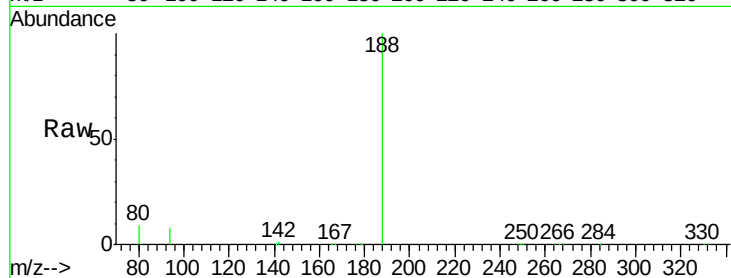
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BE090067.D
Acq: 8 Jul 2015 20:20

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.3	4.1	6.1#
80	8.8	4.2	6.2#

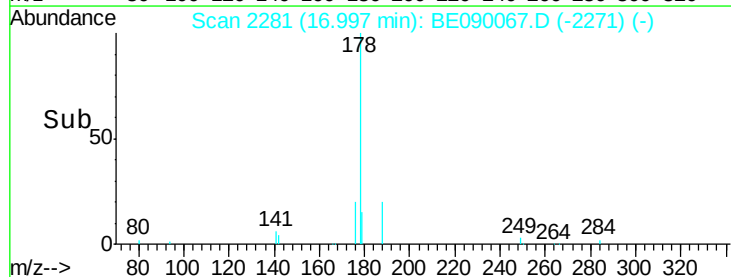
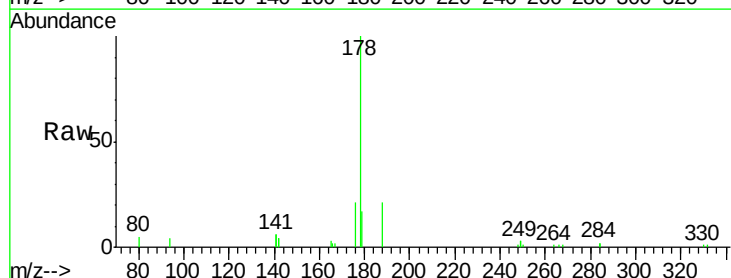
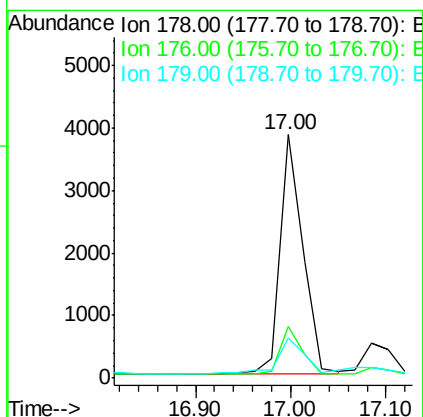
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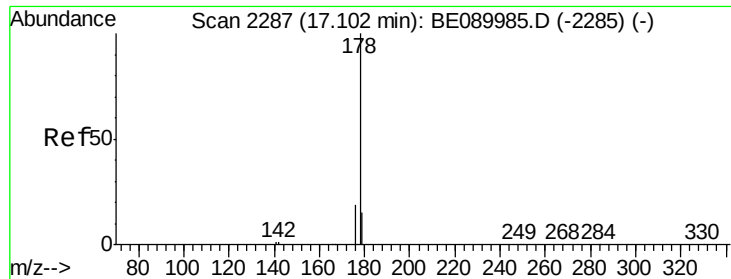
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#22
Phenanthrene
Concen: 0.21 ng
RT: 17.00 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BE090067.D
Acq: 8 Jul 2015 20:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	15.3	22.9
179	18.0	12.4	18.6





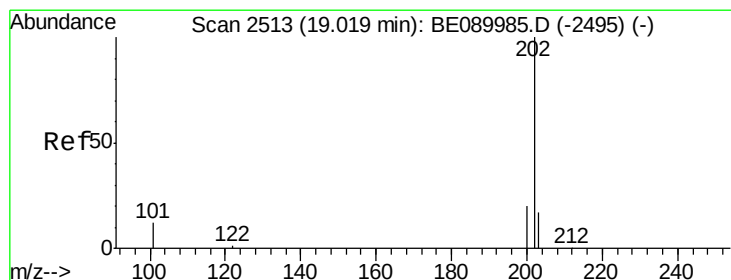
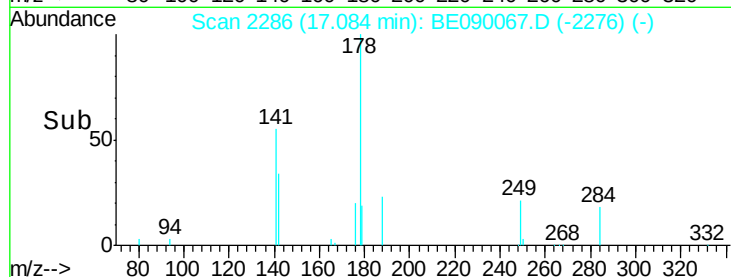
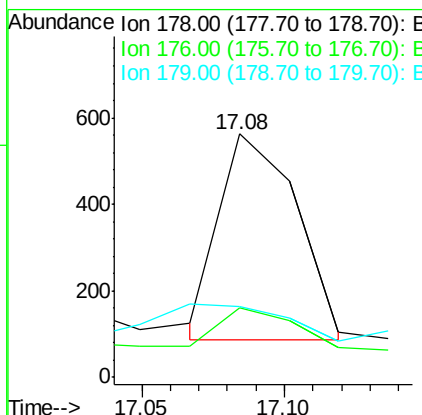
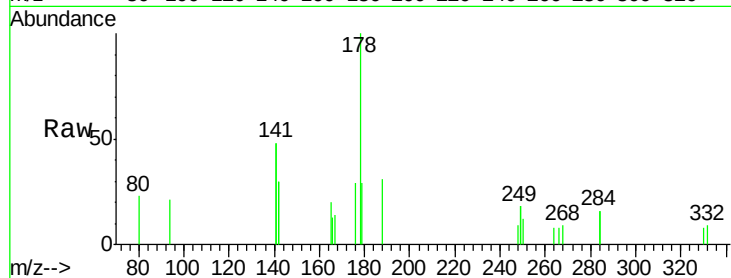
#23
 Anthracene
 Concen: 0.03 ng m
 RT: 17.08 min Scan# 2286
 Delta R.T. -0.02 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0820006-150626

Tgt Ion	Ratio	Lower	Upper
178	100		
176	130.5	14.7	22.1#
179	119.7	12.1	18.1#

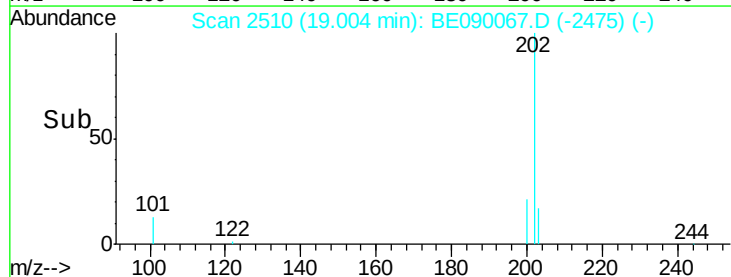
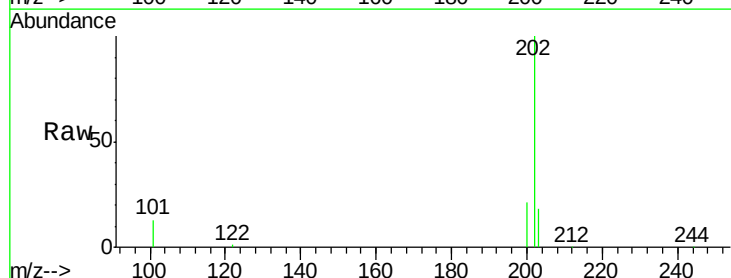
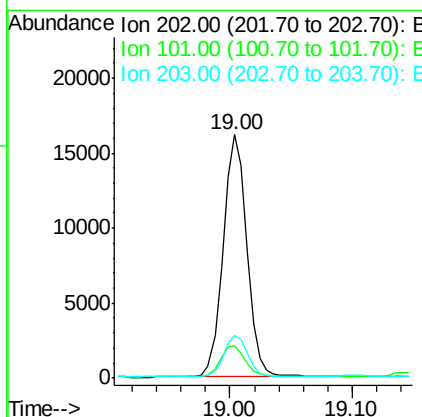
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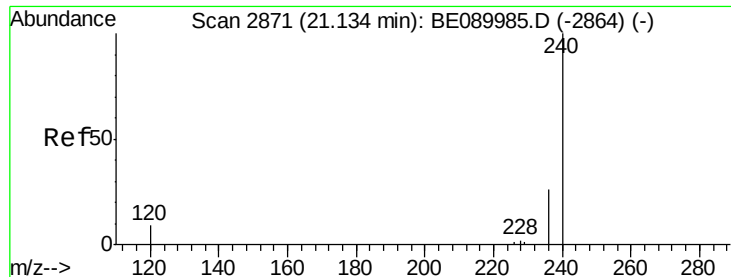
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#24
 Fluoranthene
 Concen: 0.66 ng
 RT: 19.00 min Scan# 2510
 Delta R.T. -0.02 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.6	15.8
203	17.2	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

Instrument :

BNA_E

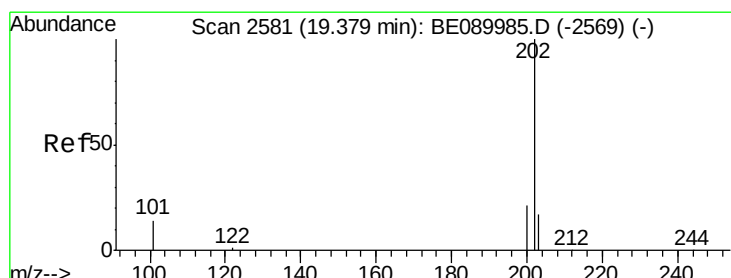
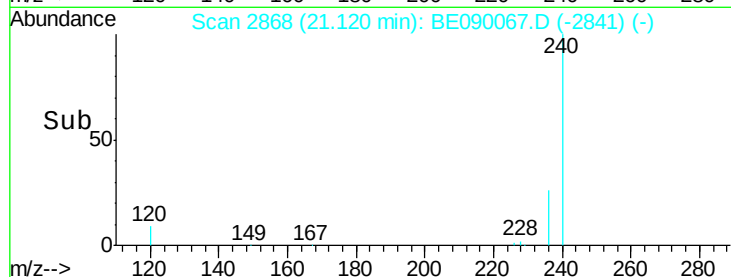
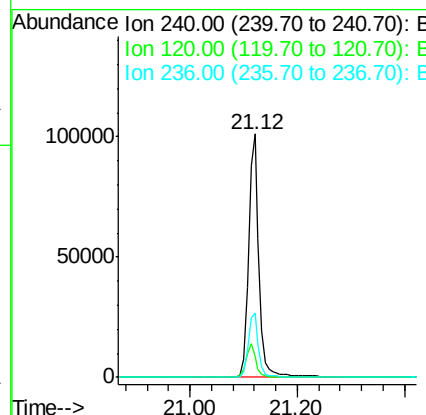
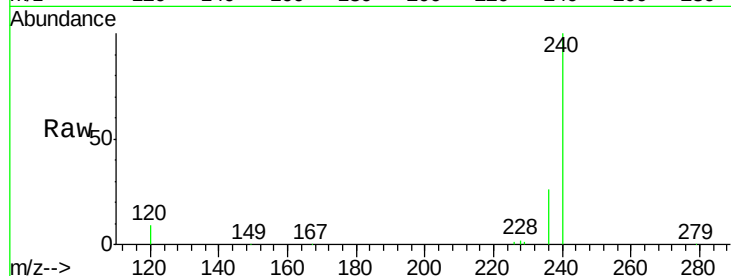
ClientSampleId :

X1SS0820006-150626

Tgt Ion:	240	Resp:	135877
Ion Ratio	Lower	Upper	
240	100		
120	8.8	6.9	10.3
236	26.2	20.8	31.2

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#26

Pyrene

Concen: 0.64 ng

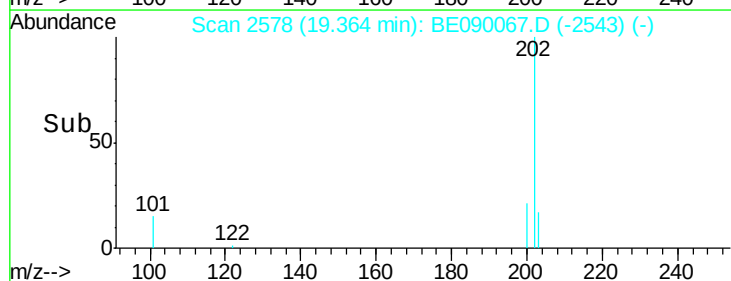
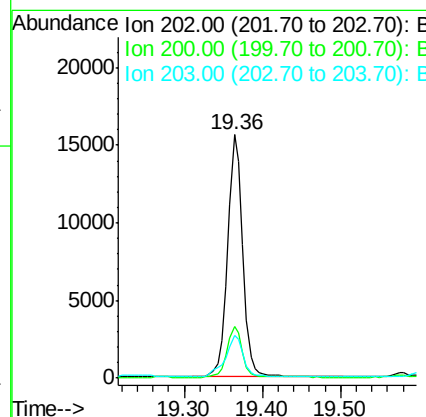
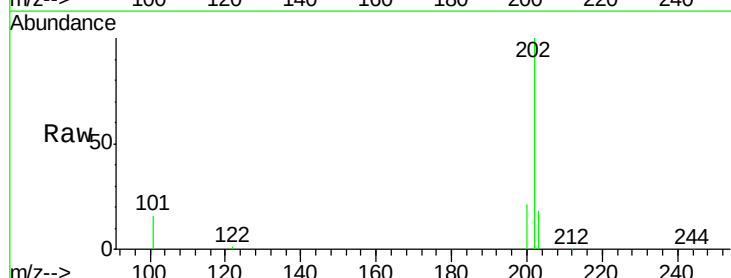
RT: 19.36 min Scan# 2578

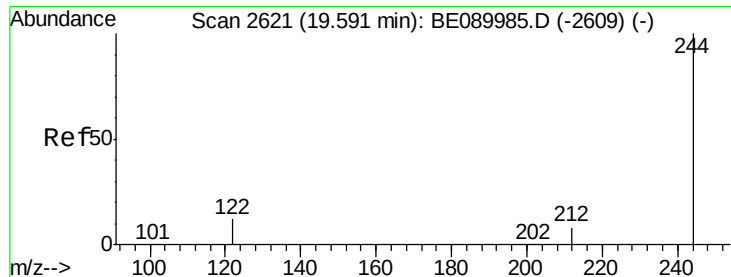
Delta R.T. -0.02 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

Tgt Ion:	202	Resp:	20833
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	20.2	13.9	20.9





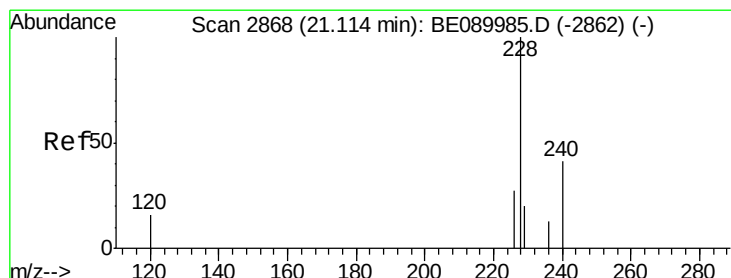
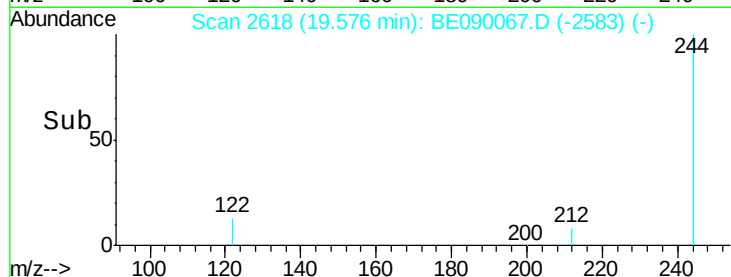
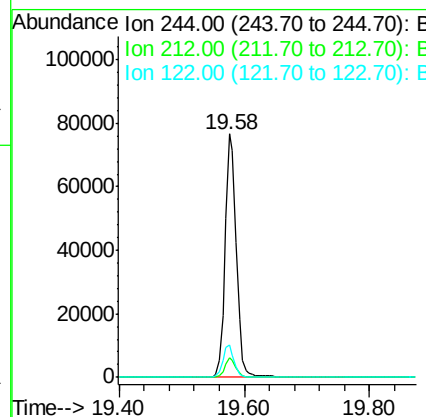
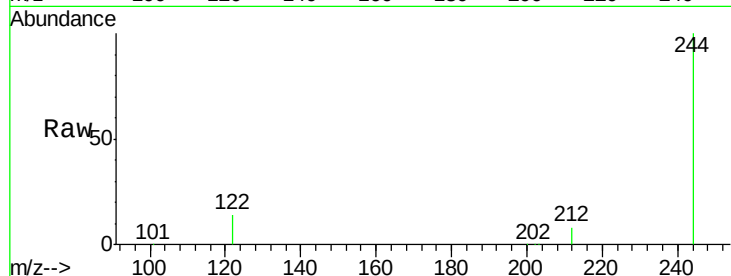
#27
 Terphenyl-d14
 Concen: 4.20 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.02 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0820006-150626

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	9.8
122	13.5	9.8	14.8

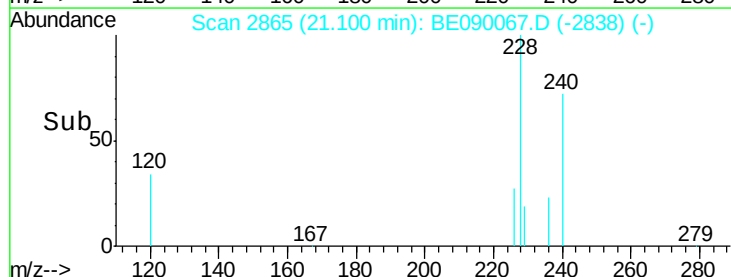
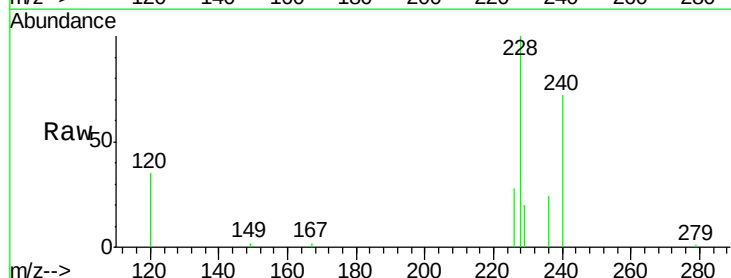
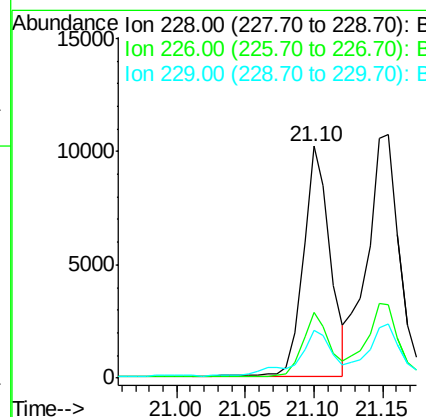
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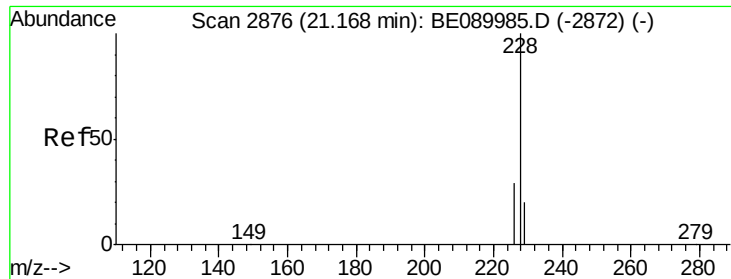
apatel
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#28
 Benzo(a)anthracene
 Concen: 0.40 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.6
229	20.4	15.8	23.6





#29

Chrysene

Concen: 0.51 ng

RT: 21.15 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090067.D

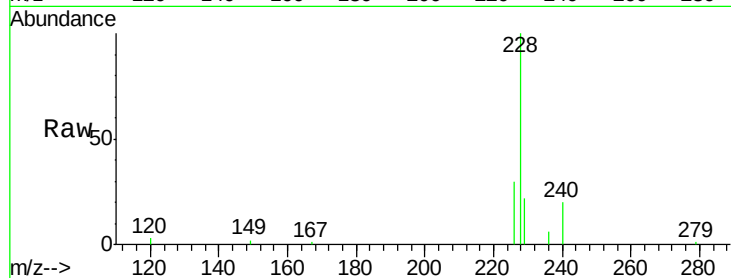
Acq: 8 Jul 2015 20:20

Instrument :

BNA_E

ClientSampleId :

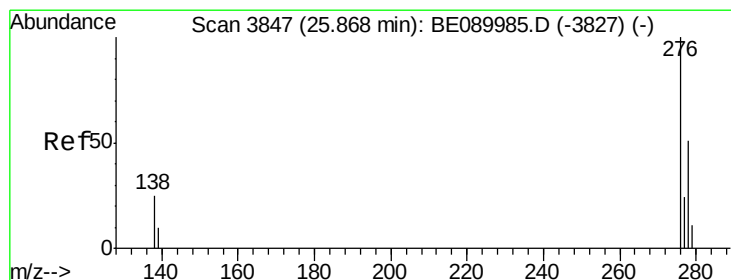
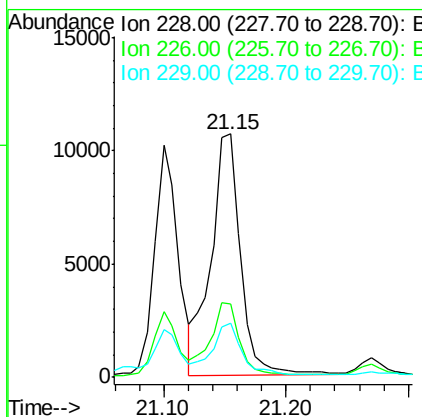
X1SS0820006-150626



Tgt Ion:	228	Resp:	18050
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.4	35.0
229	22.4	16.2	24.2

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#31

Indeno(1,2,3-cd)pyrene

Concen: 0.31 ng

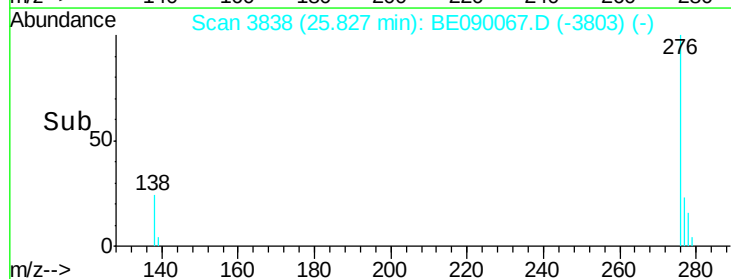
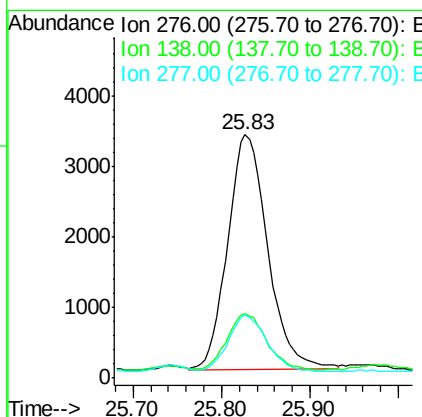
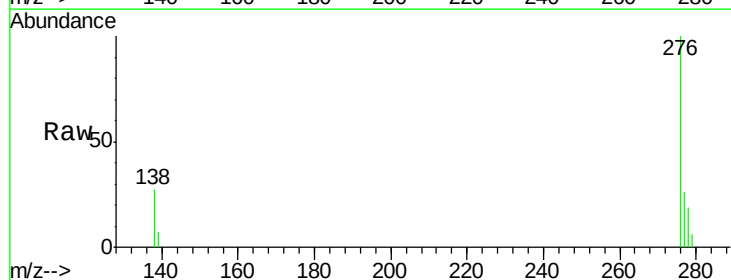
RT: 25.83 min Scan# 3838

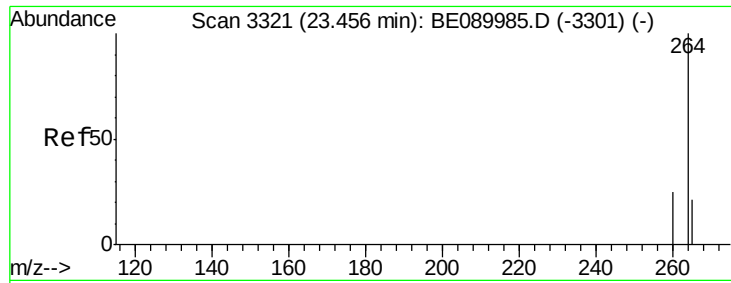
Delta R.T. -0.04 min

Lab File: BE090067.D

Acq: 8 Jul 2015 20:20

Tgt Ion:	276	Resp:	10406
Ion Ratio	Lower	Upper	
276	100		
138	24.0	21.3	31.9
277	23.7	19.7	29.5





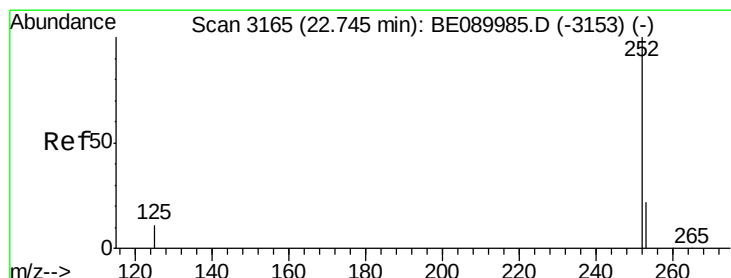
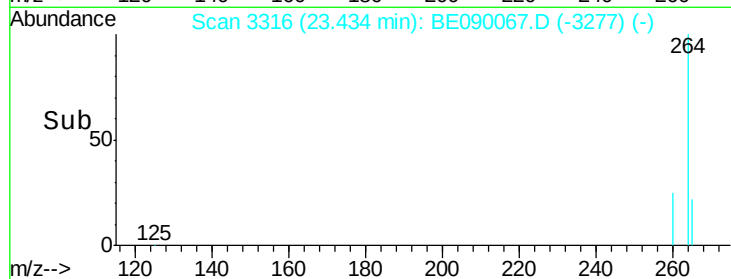
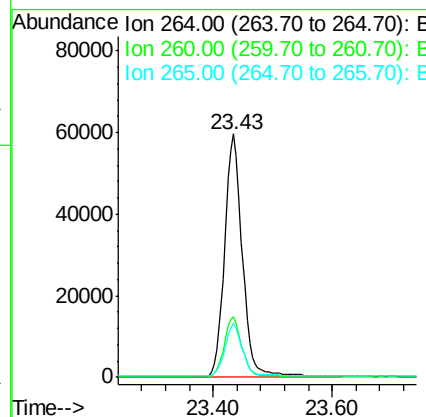
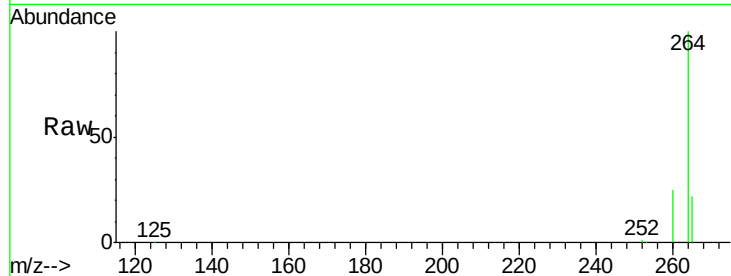
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.43 min Scan# 3316
 Delta R.T. -0.02 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0820006-150626

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	124894		
260	24.7	20.2	30.2	
265	22.1	17.1	25.7	

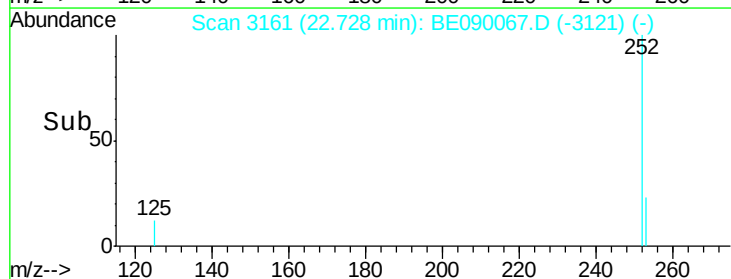
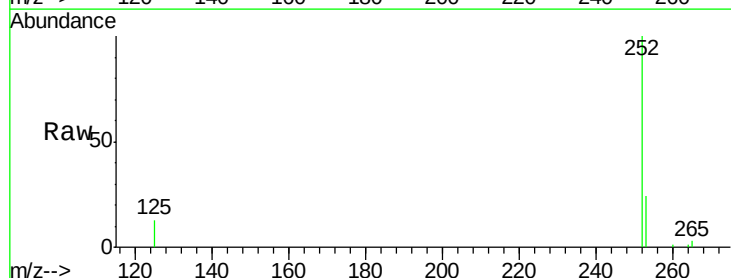
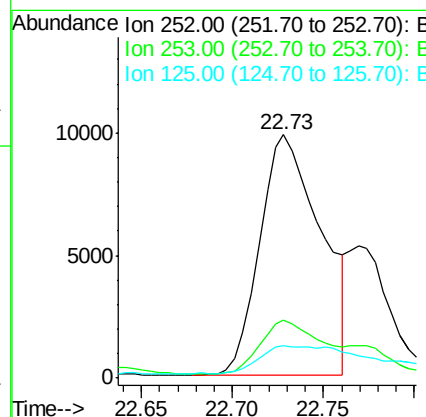
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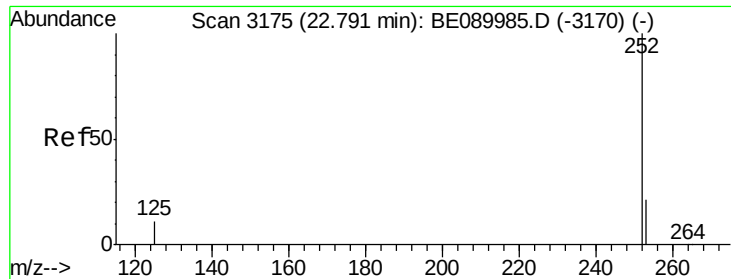
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#33
 Benzo(b)fluoranthene
 Concen: 0.83 ng
 RT: 22.73 min Scan# 3161
 Delta R.T. -0.02 min
 Lab File: BE090067.D
 Acq: 8 Jul 2015 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	22982		
253	23.9	17.8	26.8	
125	13.5	9.0	13.4#	





#34

Benzo(k)fluoranthene

Concen: 0.29 ng m

RT: 22.77 min Scan# 3170

Delta R.T. -0.02 min

Lab File: BE090067.D

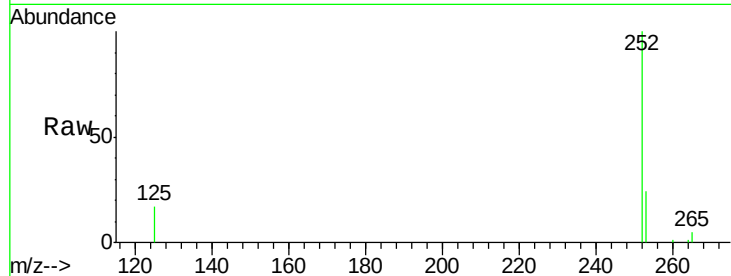
Acq: 8 Jul 2015 20:20

Instrument :

BNA_E

ClientSampleId :

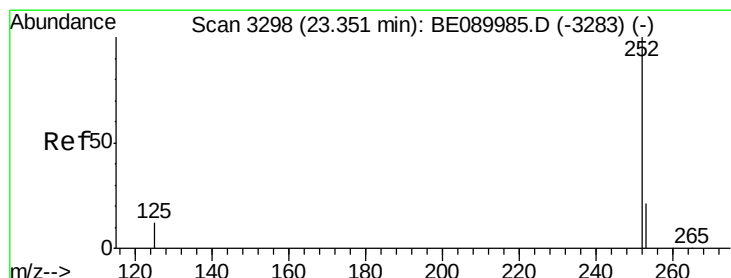
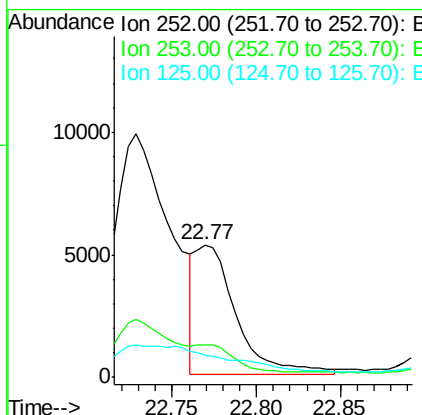
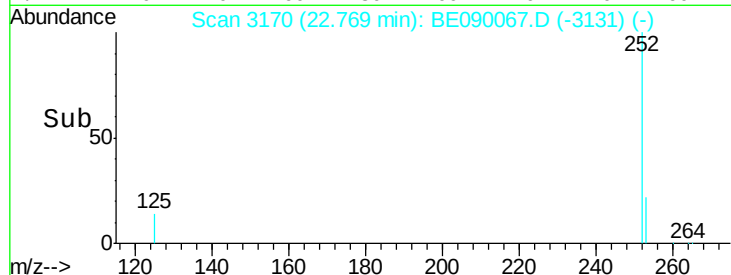
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Tgt Ion:	252	Resp:	9029
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.5	26.3
125	17.1	9.5	14.3

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#35

Benzo(a)pyrene

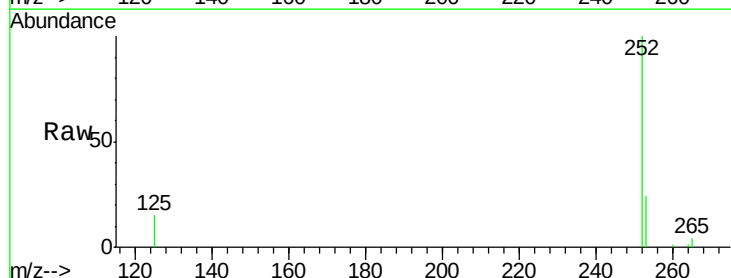
Concen: 0.57 ng

RT: 23.32 min Scan# 3292

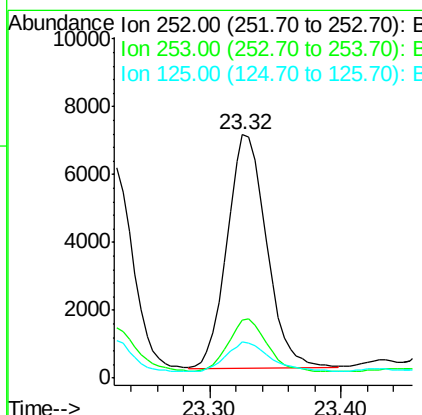
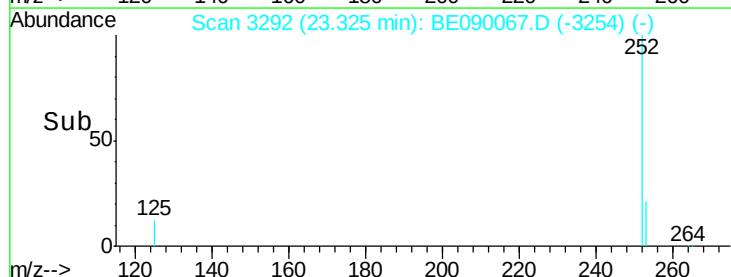
Delta R.T. -0.03 min

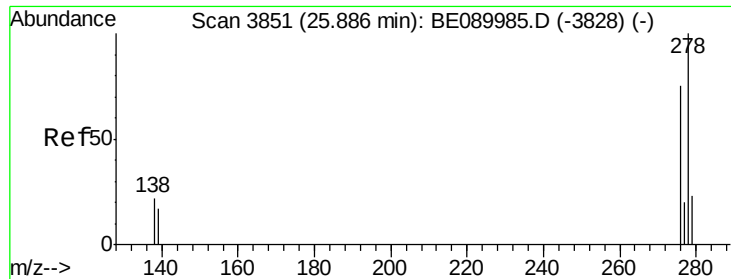
Lab File: BE090067.D

Acq: 8 Jul 2015 20:20



Tgt Ion:	252	Resp:	14420
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	14.8	10.5	15.7





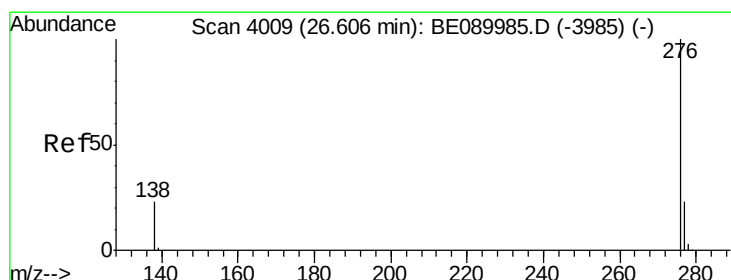
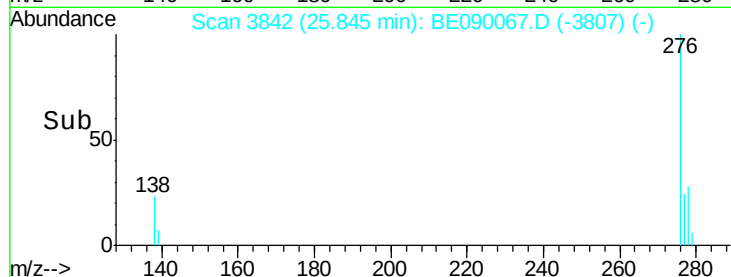
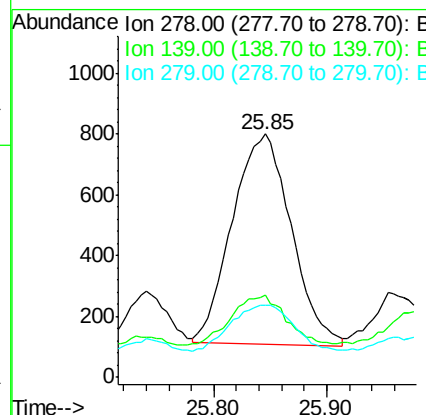
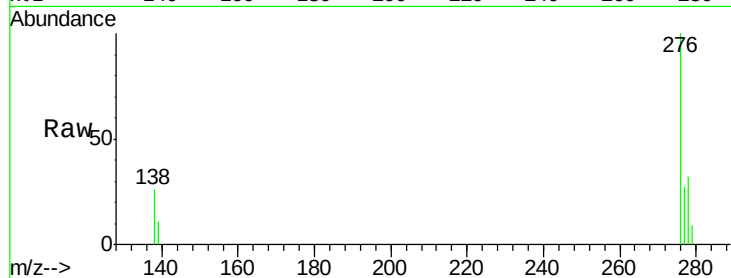
#36
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 25.85 min Scan# 3842
Delta R.T. -0.04 min
Lab File: BE090067.D
Acq: 8 Jul 2015 20:20

Instrument :
BNA_E
ClientSampleId :
X1SS0820006-150626

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.8	14.4	21.6#
279	29.8	19.0	28.6#

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#37
Benzo(g,h,i)perylene
Concen: 0.42 ng
RT: 26.57 min Scan# 4001
Delta R.T. -0.04 min
Lab File: BE090067.D
Acq: 8 Jul 2015 20:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	27.3	18.6	27.8

