

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070215\
 Data File : BE090054.D
 Acq On : 2 Jul 2015 17:07
 Operator : TP/IZ
 Sample : G2810-18RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0680204-150625RE

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Quant Time: Jul 03 01:47:29 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	11438	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	52607	5.00	ng	-0.01
12) Acenaphthene-d10	14.23	164	30044	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	68310	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	81014	5.00	ng	-0.01
32) Perylene-d12	23.43	264	73732	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	24332	9.26	ng	0.00
5) Phenol-d6	6.80	99	37365	10.16	ng	0.00
7) Nitrobenzene-d5	8.75	82	21209	5.07	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	7335	8.33	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	46750	5.18	ng	-0.01
27) Terphenyl-d14	19.58	244	69816	5.17	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.41	128	507	0.04	ng	# 70
11) 2-Methylnaphthalene	12.03	142	705	0.09	ng	96
21) Pentachlorophenol	16.63	266	271	0.43	ng	86
22) Phenanthrene	17.00	178	1626	0.09	ng	# 93
23) Anthracene	17.10	178	496	0.03	ng	# 95
24) Fluoranthene	19.00	202	3016	0.15	ng	100
26) Pyrene	19.36	202	2871	0.15	ng	97
28) Benzo(a)anthracene	21.10	228	2194	0.11	ng	96
29) Chrysene	21.16	228	2085m	0.10	ng	
30) Bis(2-ethylhexyl)phthalate	21.05	149	1028	0.41	ng	98
31) Indeno(1,2,3-cd)pyrene	25.83	276	1147	0.06	ng	98
33) Benzo(b)fluoranthene	22.73	252	2120	0.13	ng	# 82
34) Benzo(k)fluoranthene	22.77	252	1020m	0.06	ng	
35) Benzo(a)pyrene	23.33	252	1508	0.10	ng	# 76
36) Dibenzo(a,h)anthracene	25.86	278	459	0.03	ng	# 42
37) Benzo(g,h,i)perylene	26.57	276	1113	0.07	ng	# 72

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

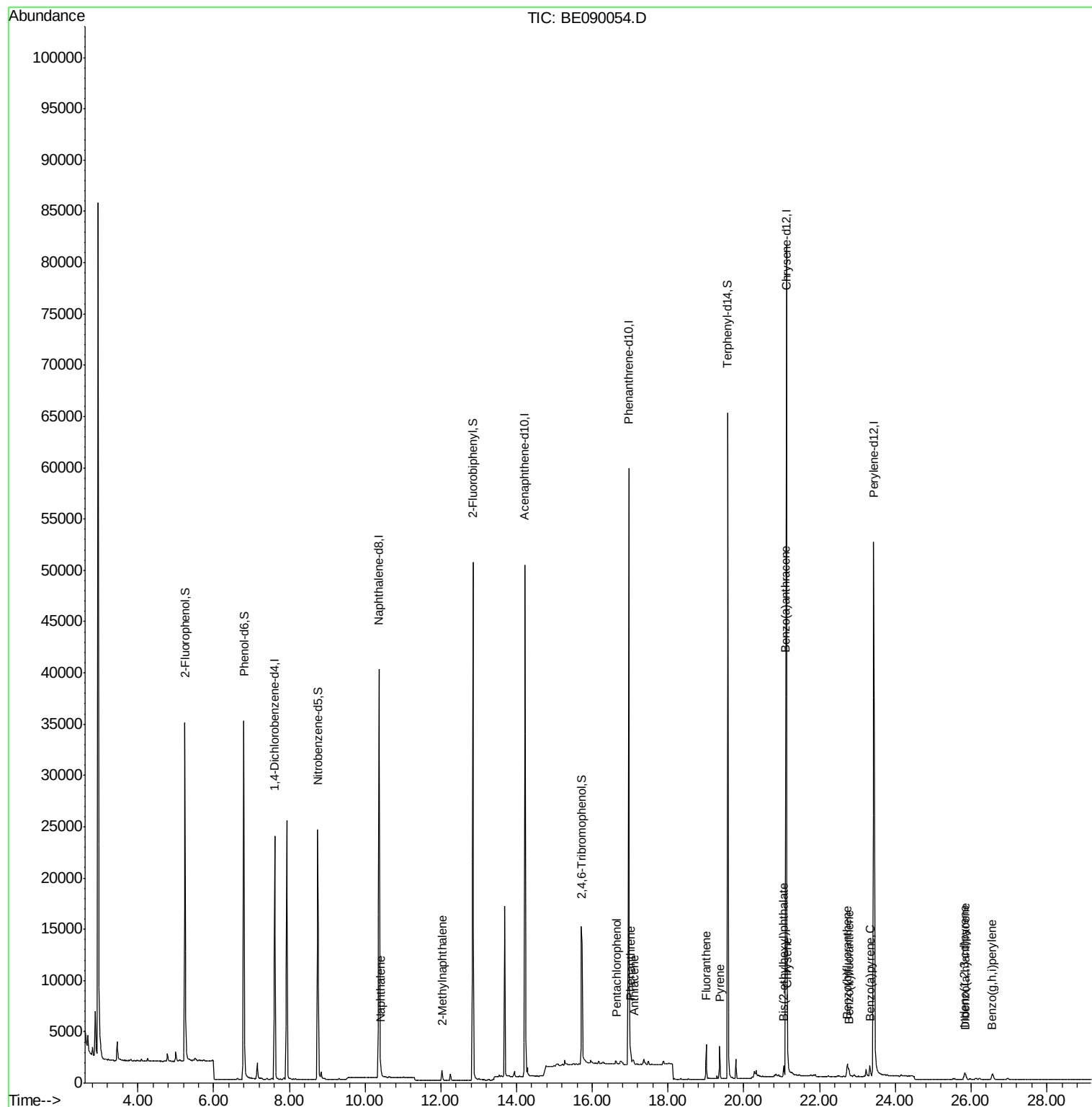
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070215\
Data File : BE090054.D
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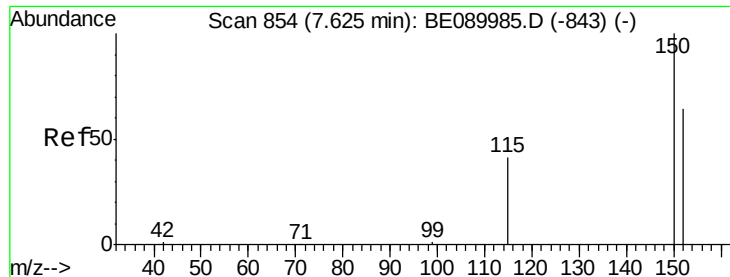
Instrument :
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X1SB0680204-150625RE

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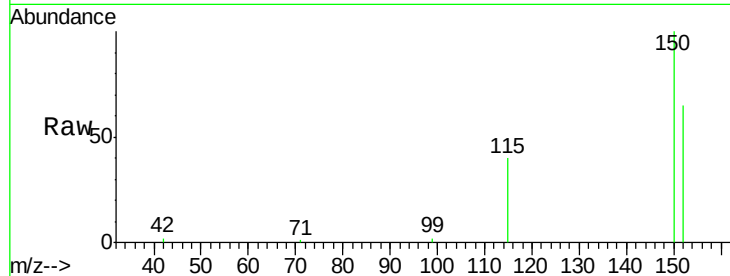




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

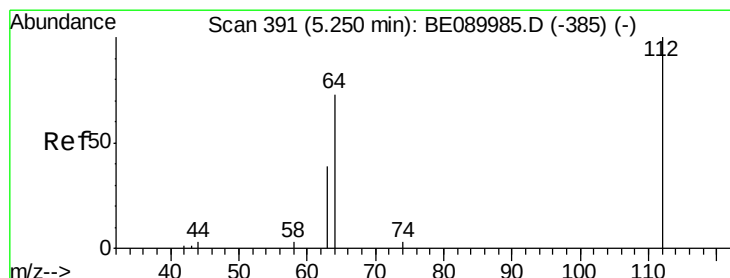
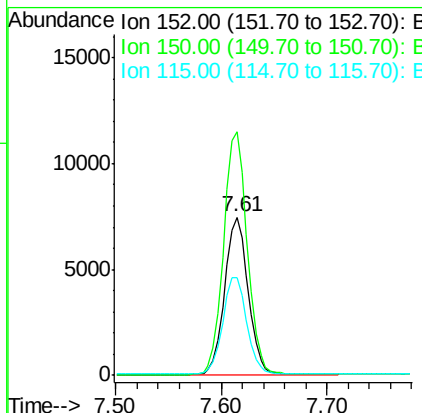
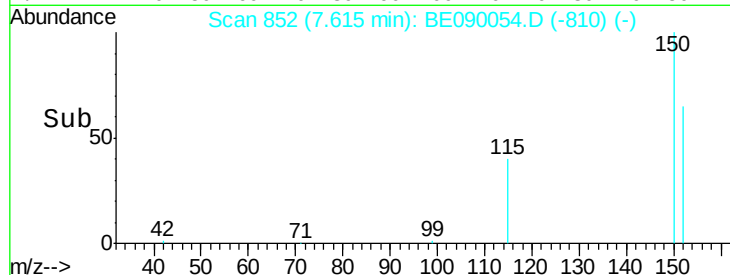
Instrument :
BNA_E
ClientSampleId :
X1SB0680204-150625RE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.9	185.9
115	62.1	50.6	76.0

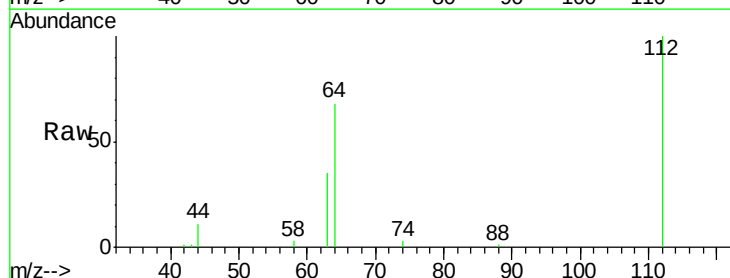
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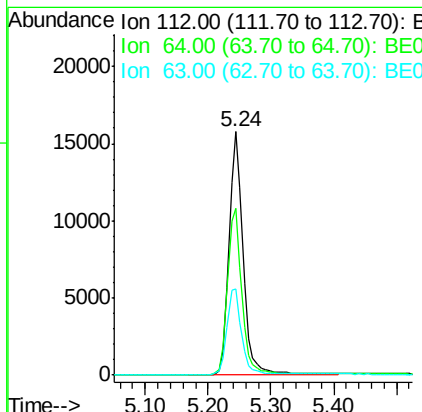
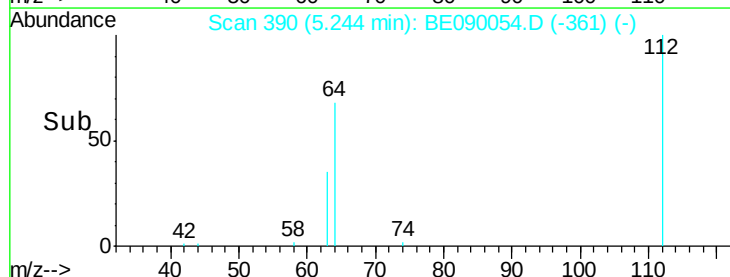


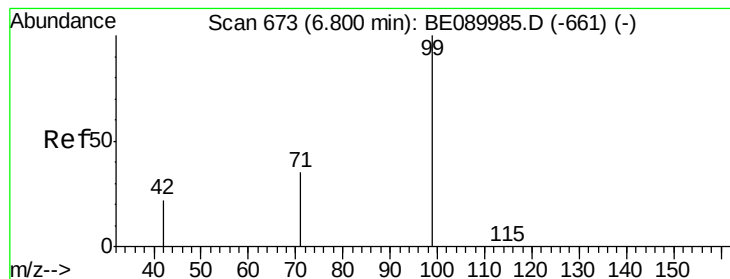
#4

2-Fluorophenol
Concen: 9.26 ng
RT: 5.24 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07



Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	56.3	84.5
63	36.8	29.8	44.6





#5

Phenol-d6

Concen: 10.16 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE090054.D

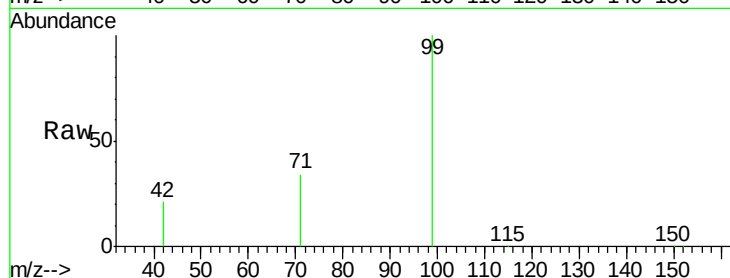
Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

ClientSampleId :

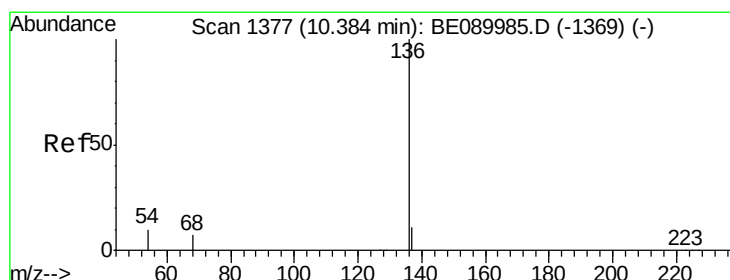
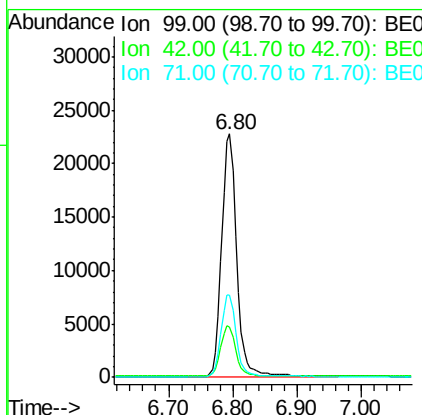
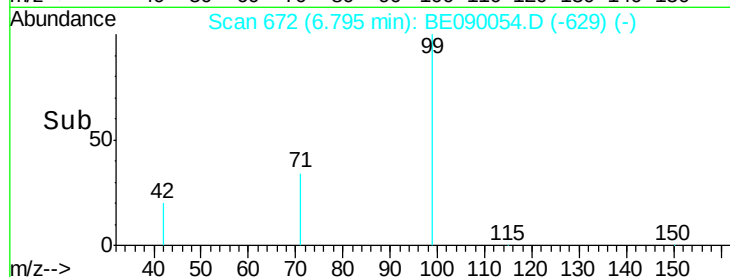
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Tgt Ion:	99	Resp:	37365
Ion Ratio	Lower	Upper	
99	100		
42	20.9	18.7	28.1
71	34.0	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

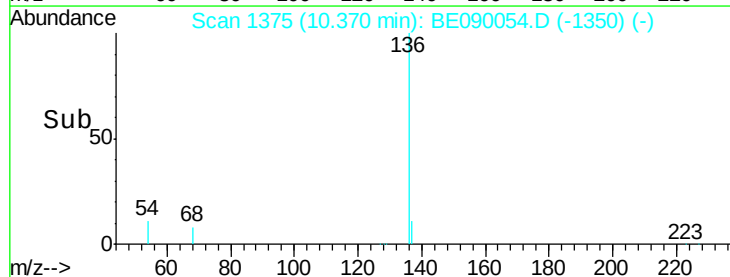
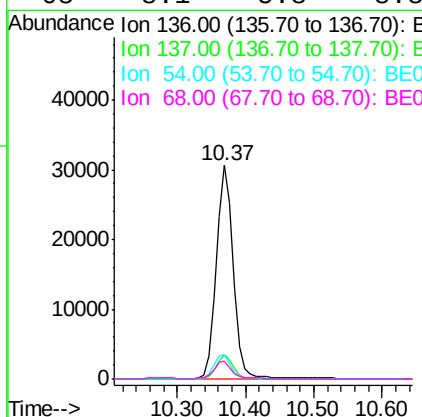
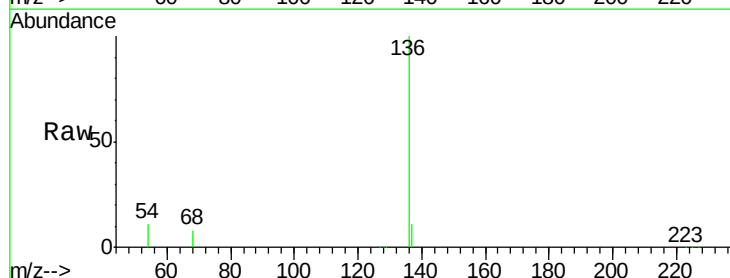
RT: 10.37 min Scan# 1375

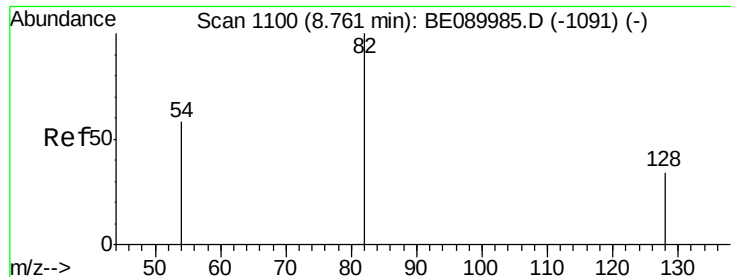
Delta R.T. -0.01 min

Lab File: BE090054.D

Acq: 2 Jul 2015 17:07

Tgt Ion:	136	Resp:	52607
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	11.4	8.2	12.4
68	8.1	5.8	8.8





#7

Nitrobenzene-d5

Concen: 5.07 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090054.D

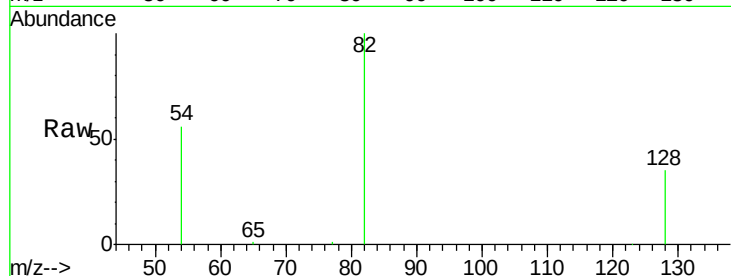
Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

ClientSampleId :

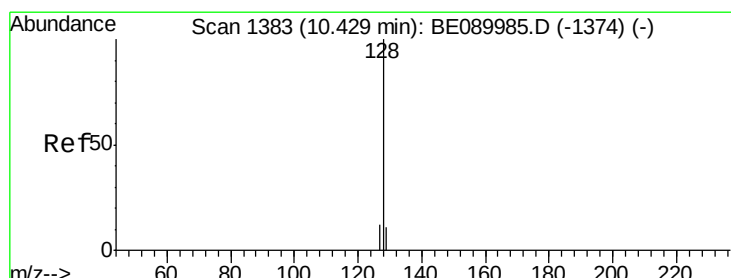
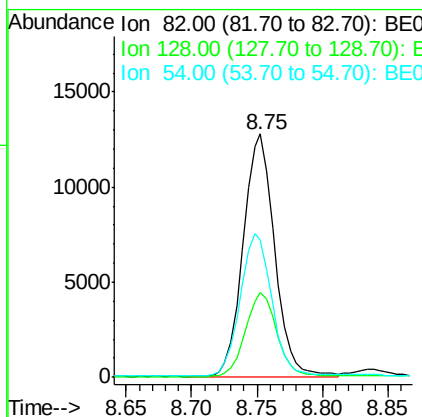
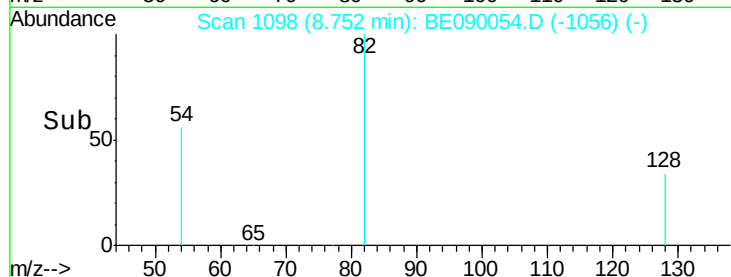
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Tgt Ion:	82	Resp:	21209
Ion Ratio	Lower	Upper	
82	100		
128	34.7	28.0	42.0
54	56.4	47.6	71.4

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#9

Naphthalene

Concen: 0.04 ng

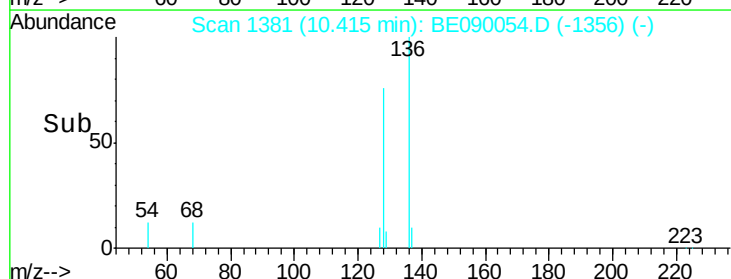
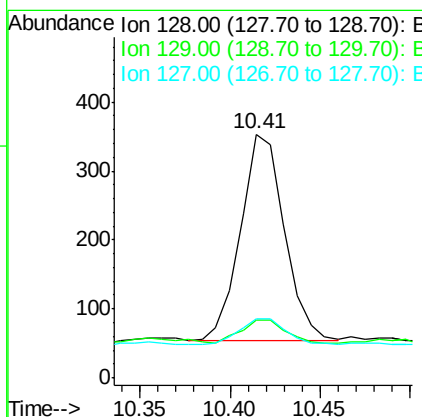
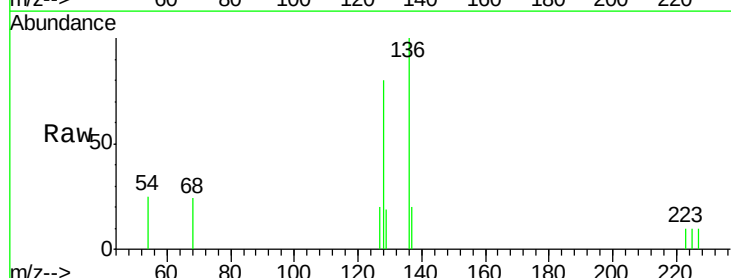
RT: 10.41 min Scan# 1381

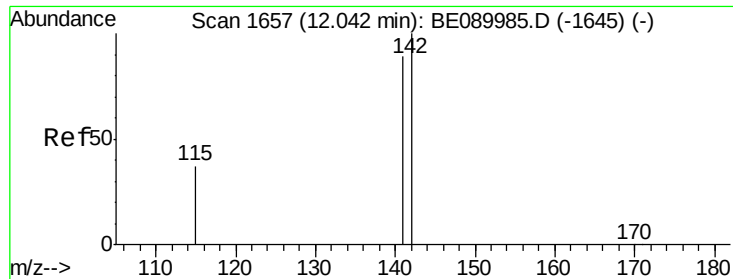
Delta R.T. -0.01 min

Lab File: BE090054.D

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Tgt Ion:	128	Resp:	507
Ion Ratio	Lower	Upper	
128	100		
129	23.5	9.3	13.9#
127	24.4	10.2	15.4#





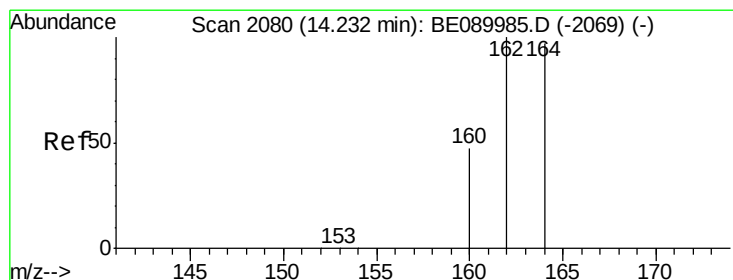
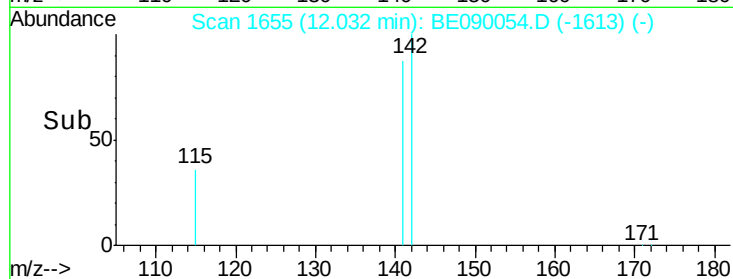
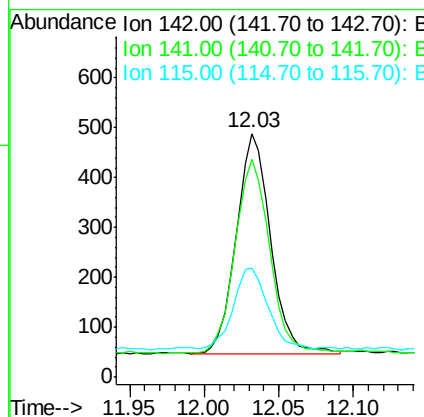
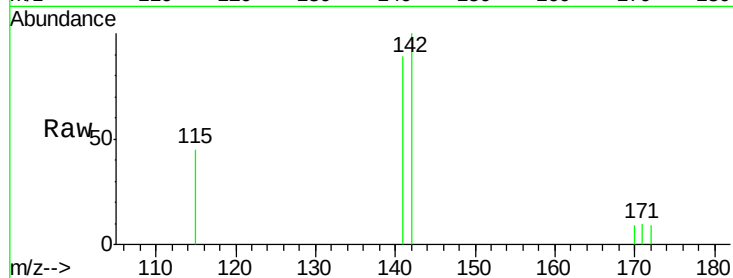
#11
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.03 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Instrument :
BNA_E
ClientSampleId :
X1SB0680204-150625RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.3	106.9
115	44.9	30.4	45.6

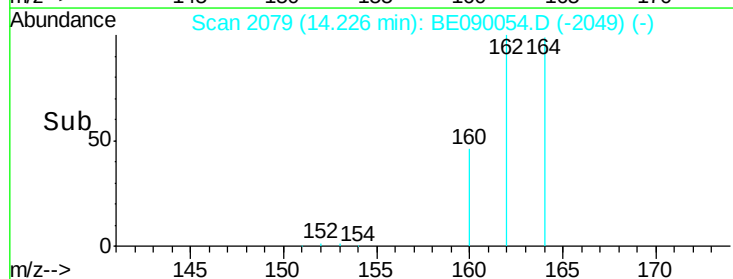
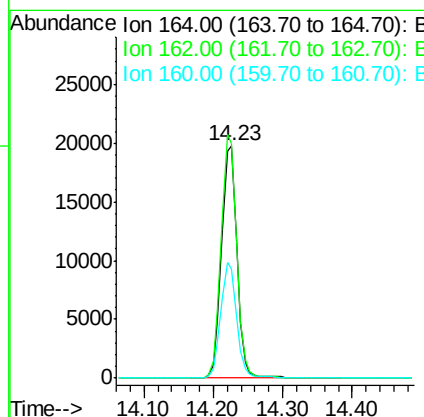
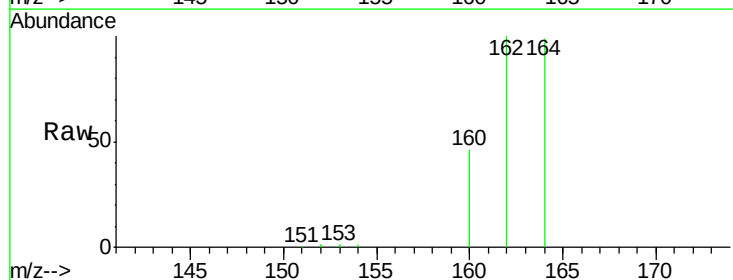
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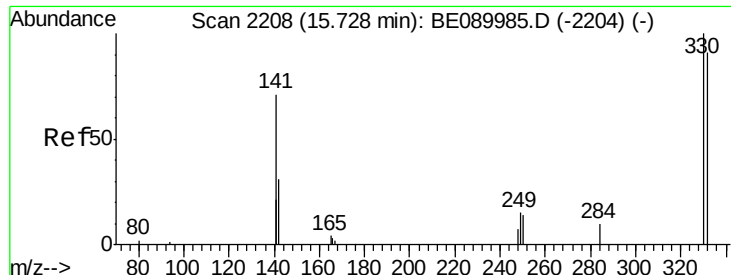
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.2	123.4
160	46.8	39.0	58.6





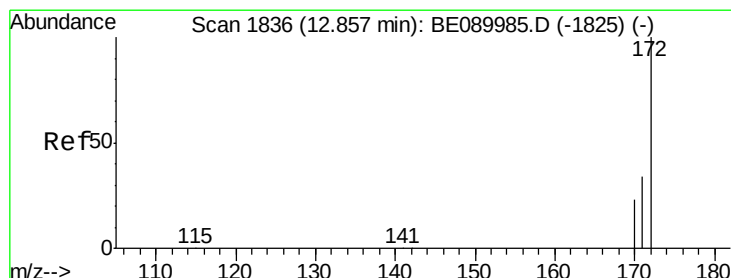
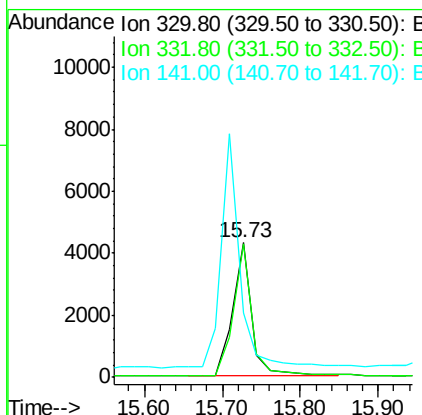
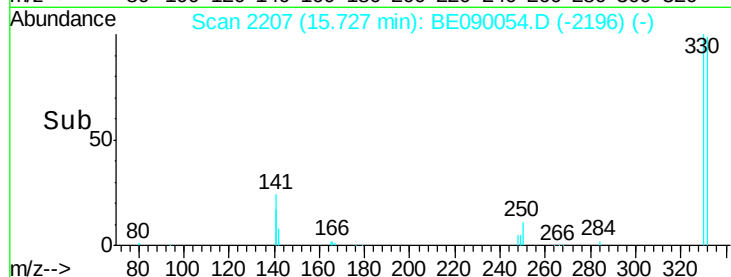
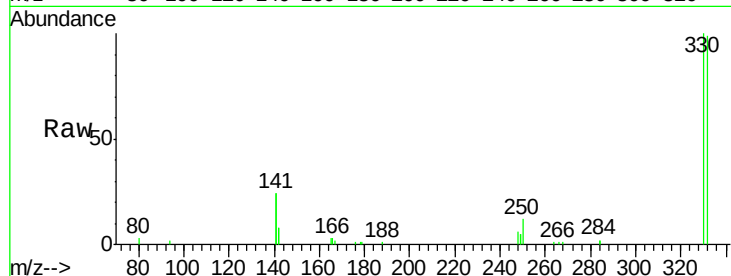
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 2,4,6-Tribromophenol
 Concen: 8.33 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090054.D
 Acq: 2 Jul 2015 17:07

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0680204-150625RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.4	114.6
141	168.1	130.3	195.5

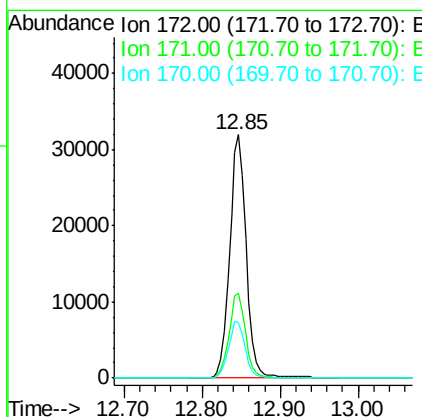
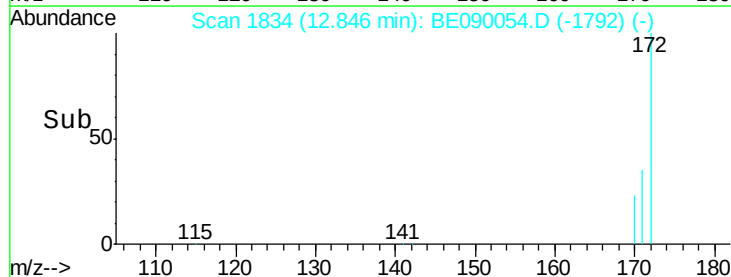
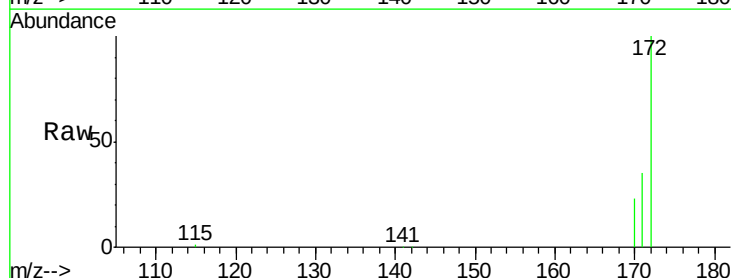
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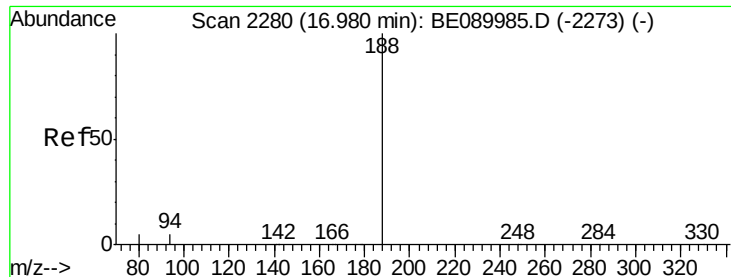
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#14
 2-Fluorobiphenyl
 Concen: 5.18 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090054.D
 Acq: 2 Jul 2015 17:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.9	18.3	27.5





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BE090054.D

Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

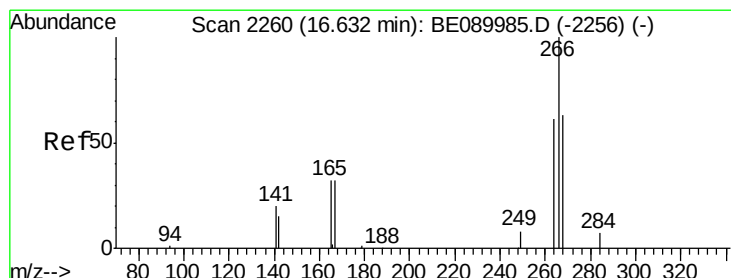
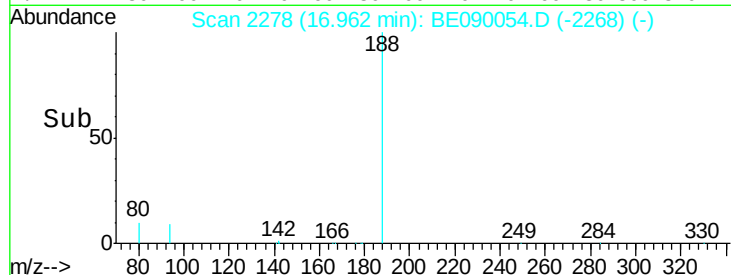
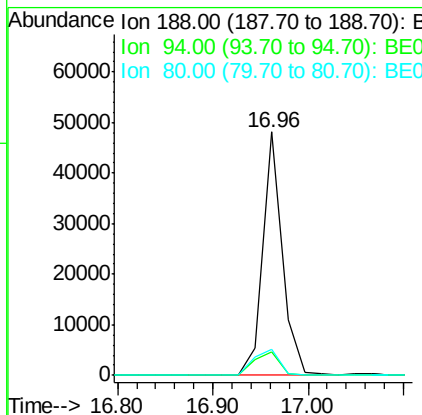
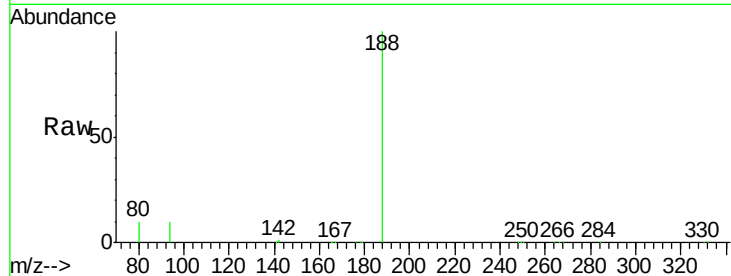
ClientSampleId :

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Tgt Ion:	188	Resp:	68310
Ion Ratio	Lower	Upper	
188	100		
94	9.5	4.1	6.1#
80	10.5	4.2	6.2#

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#21

Pentachlorophenol

Concen: 0.43 ng

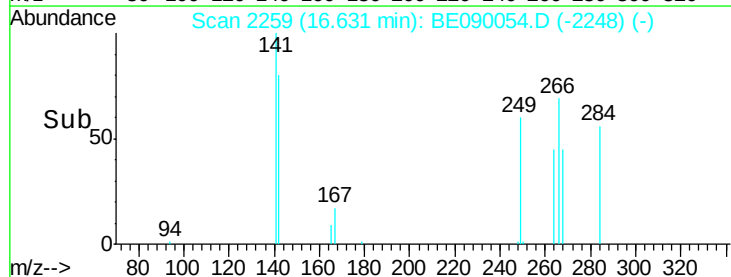
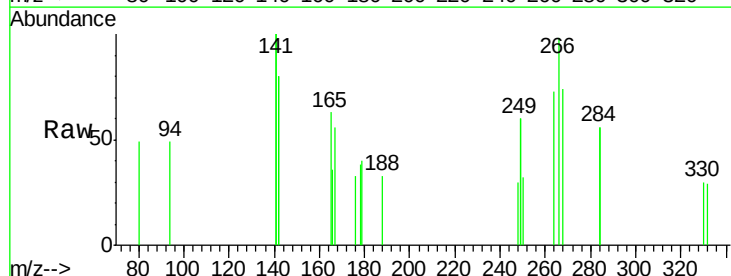
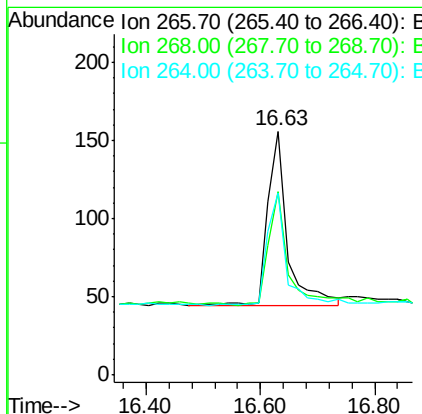
RT: 16.63 min Scan# 2259

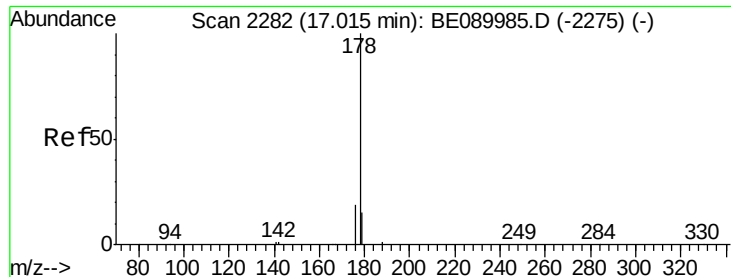
Delta R.T. -0.00 min

Lab File: BE090054.D

Acq: 2 Jul 2015 17:07

Tgt Ion:	266	Resp:	271
Ion Ratio	Lower	Upper	
266	100		
268	75.0	51.8	77.8
264	74.4	50.2	75.2





#22

Phenanthrene

Concen: 0.09 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BE090054.D

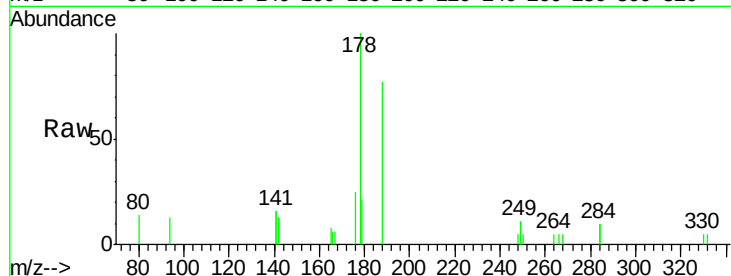
Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

ClientSampleId :

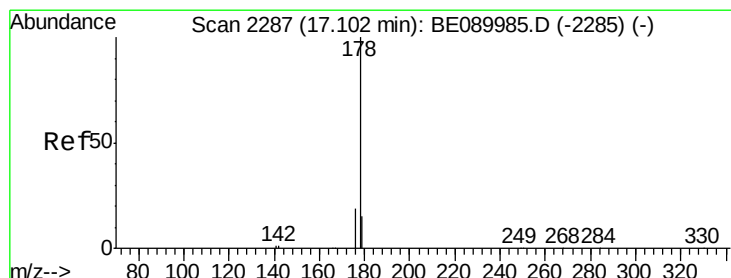
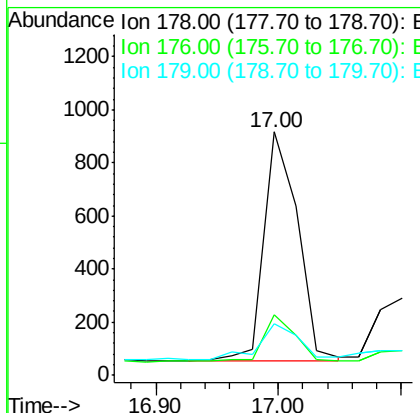
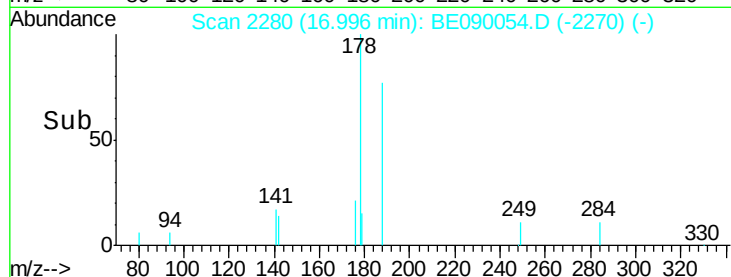
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.3	22.9
179	20.5	12.4	18.6

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#23

Anthracene

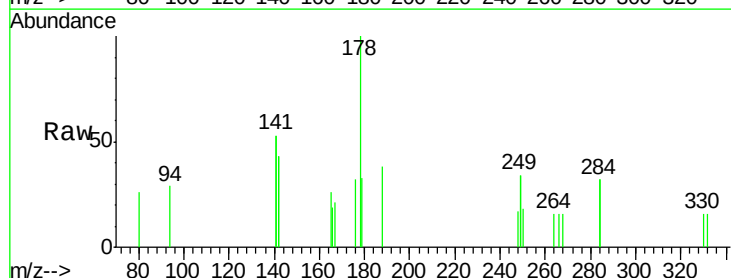
Concen: 0.03 ng

RT: 17.10 min Scan# 2286

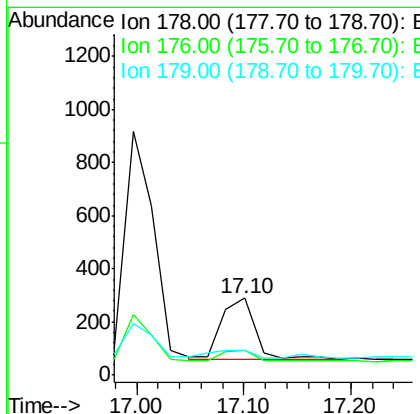
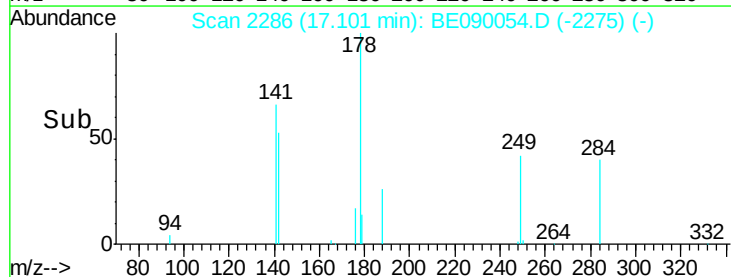
Delta R.T. -0.00 min

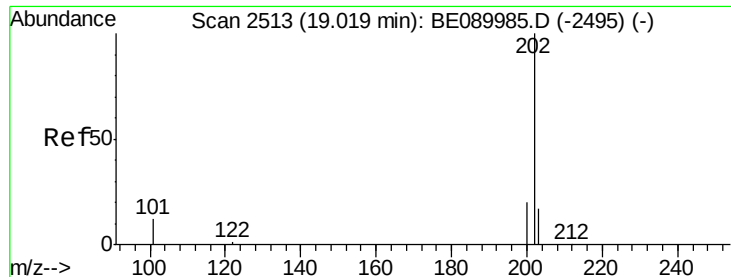
Lab File: BE090054.D

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.7	22.1
179	19.2	12.1	18.1





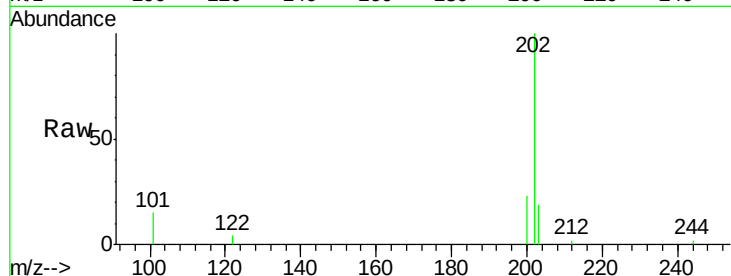
#24
Fluoranthene
Concen: 0.15 ng
RT: 19.00 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Instrument :
BNA_E
ClientSampleId :
X1SB0680204-150625RE

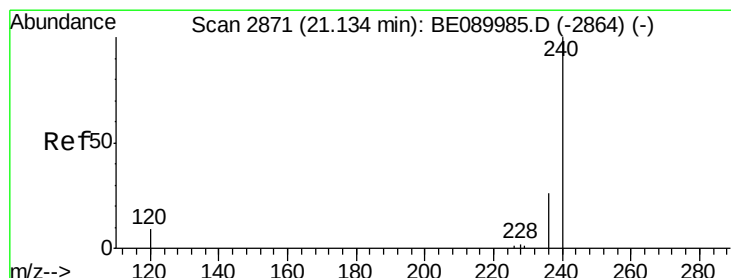
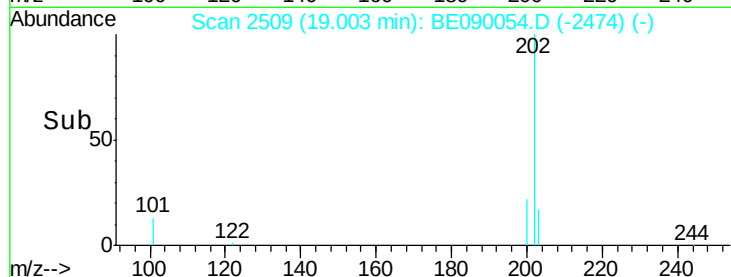
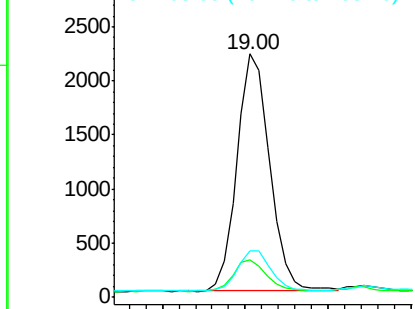
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.6	15.8
203	17.2	13.8	20.6

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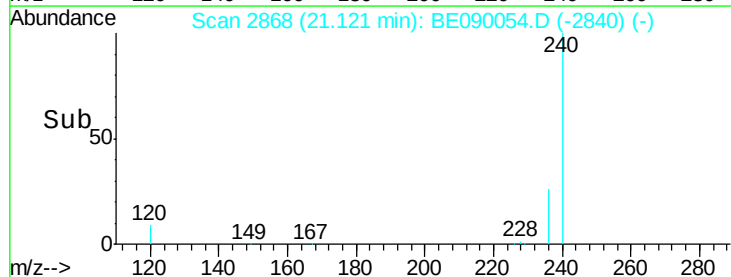
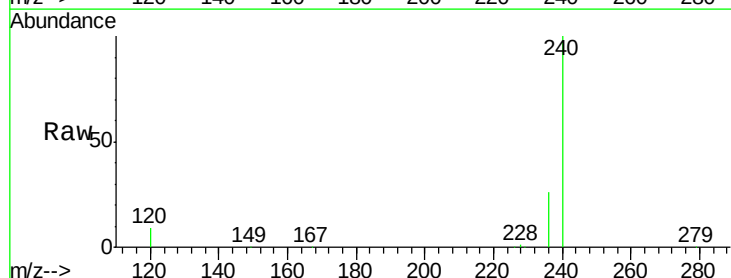
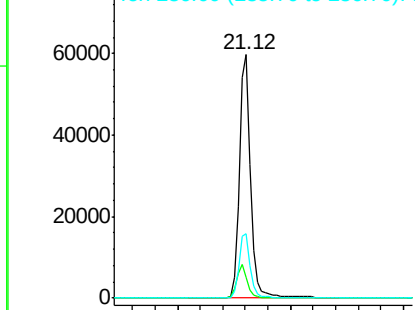
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

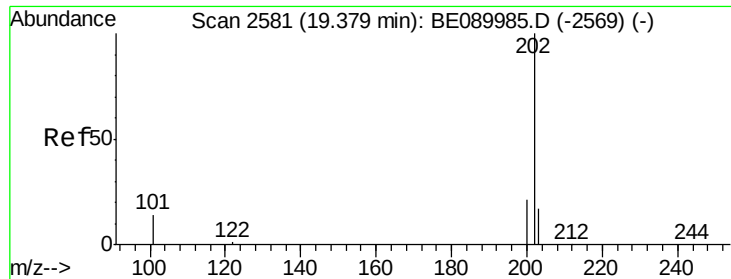


#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	26.3	20.8	31.2

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





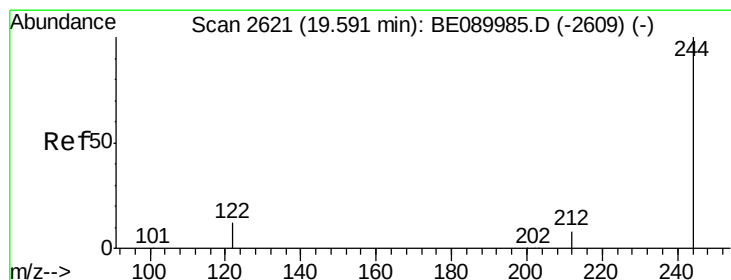
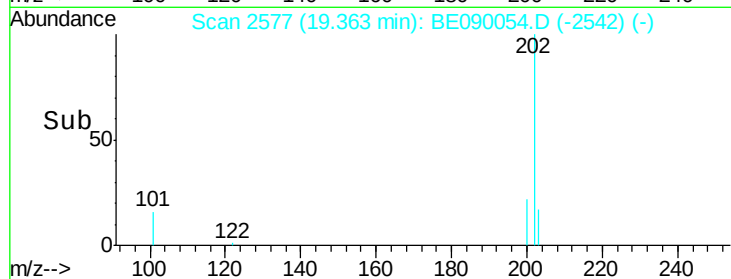
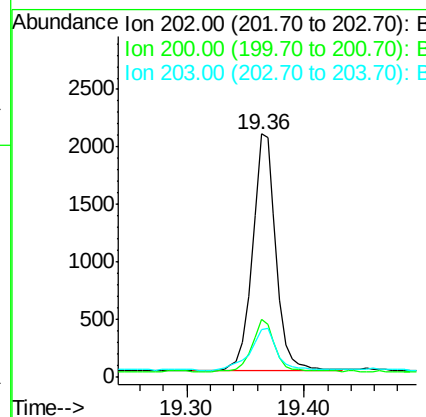
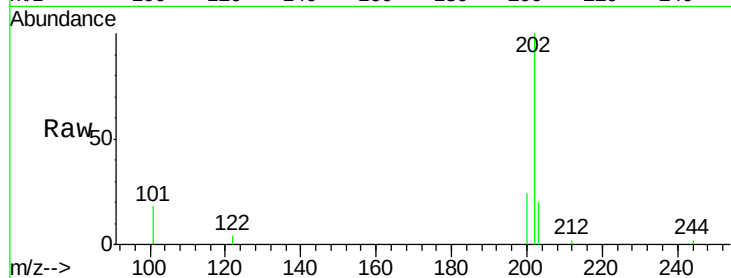
#26
 Pyrene
 Concen: 0.15 ng
 RT: 19.36 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BE090054.D
 Acq: 2 Jul 2015 17:07

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0680204-150625RE

Tgt Ion:	202	Resp:	2871
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	19.9	13.9	20.9

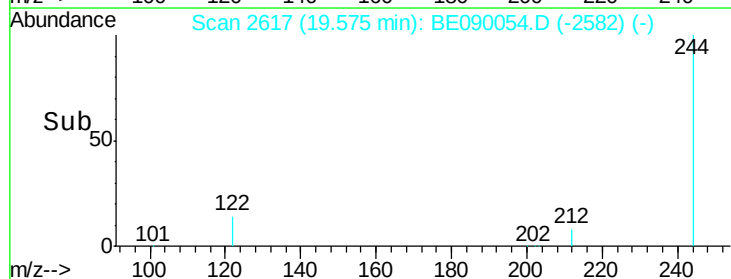
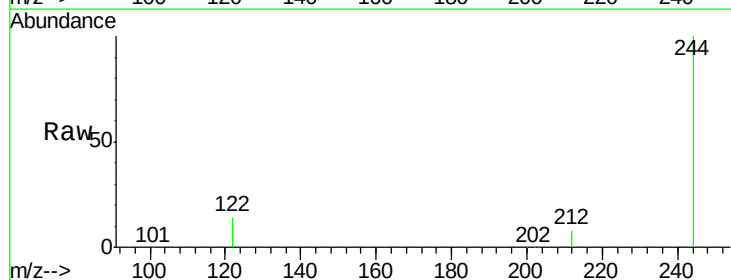
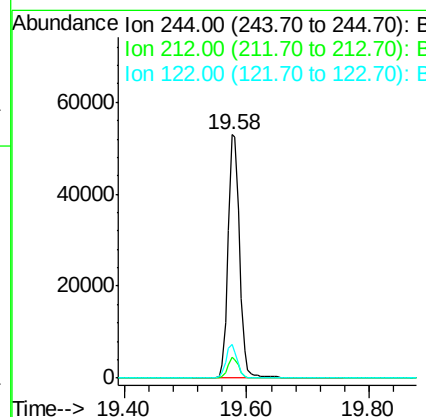
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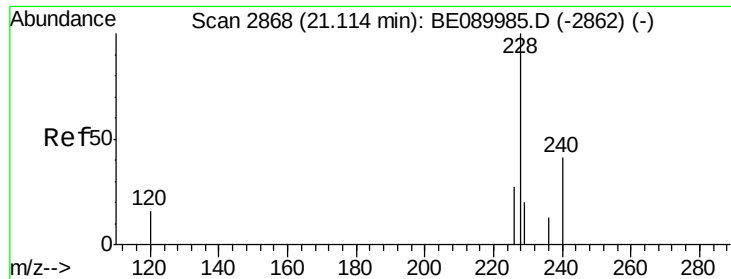
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#27
 Terphenyl-d14
 Concen: 5.17 ng
 RT: 19.58 min Scan# 2617
 Delta R.T. -0.02 min
 Lab File: BE090054.D
 Acq: 2 Jul 2015 17:07

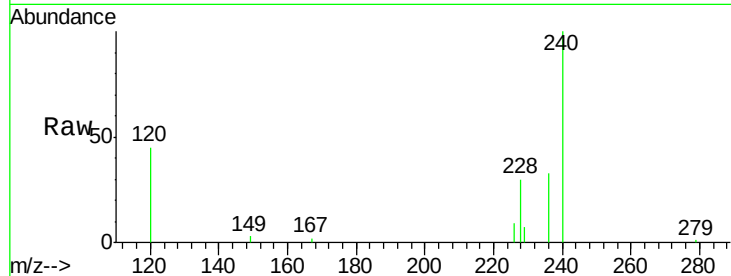
Tgt Ion:	244	Resp:	69816
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.6	9.8
122	13.9	9.8	14.8





#28
Benzo(a)anthracene
Concen: 0.11 ng
RT: 21.10 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

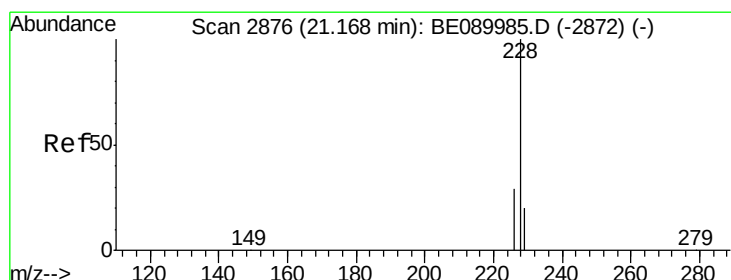
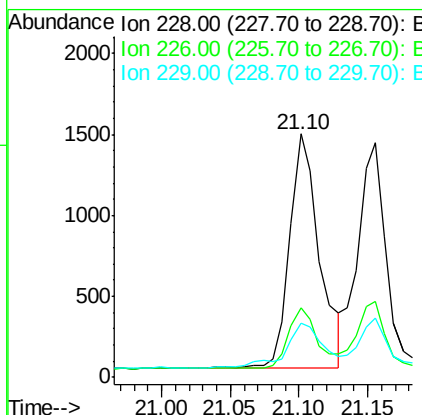
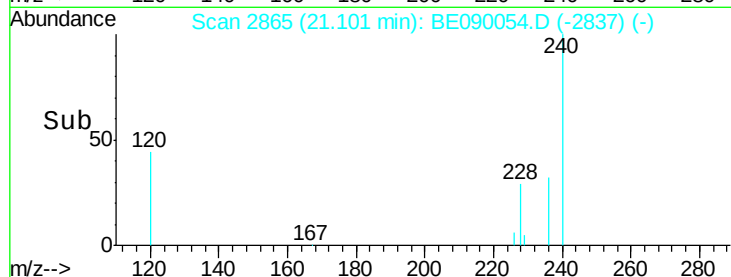
Instrument :
BNA_E
ClientSampleId :
X1SB0680204-150625RE



Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.6
229	22.5	15.8	23.6

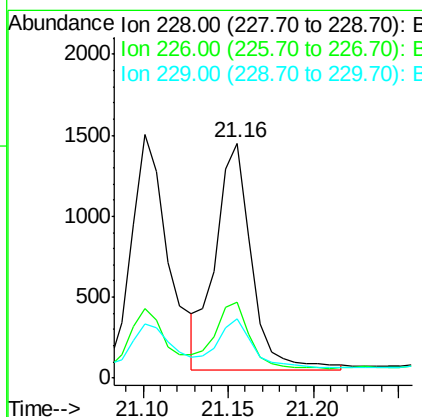
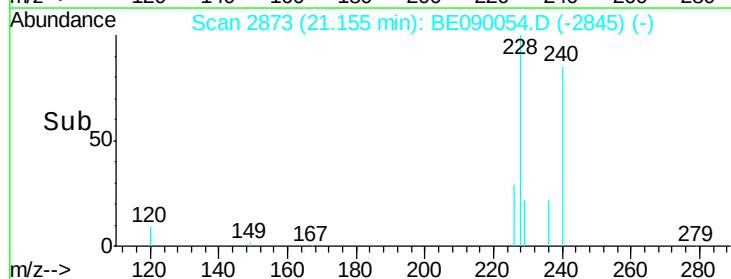
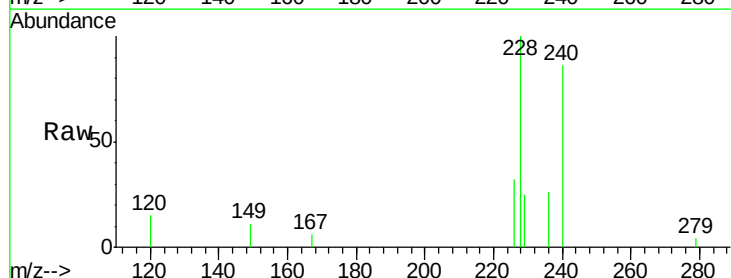
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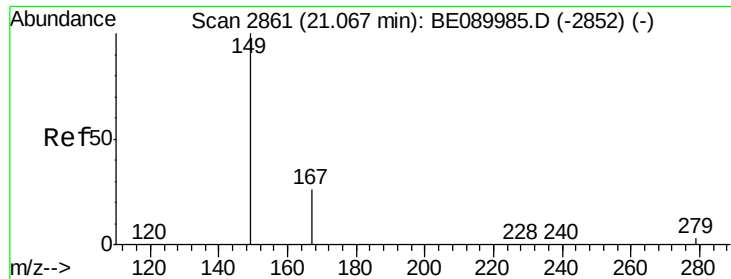
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#29
Chrysene
Concen: 0.10 ng m
RT: 21.16 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.4	35.0
229	25.1	16.2	24.2





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090054.D

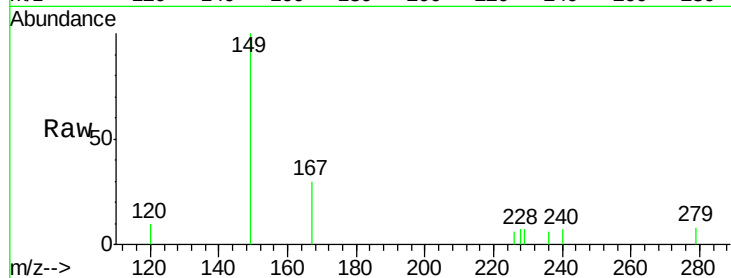
Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

ClientSampleId :

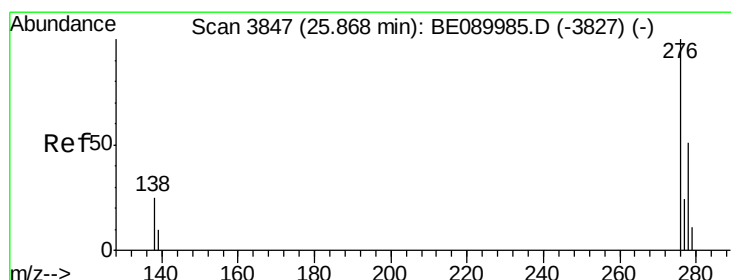
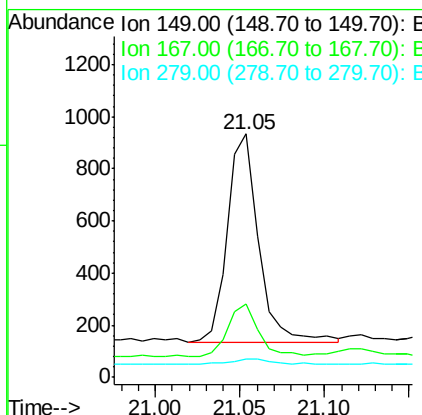
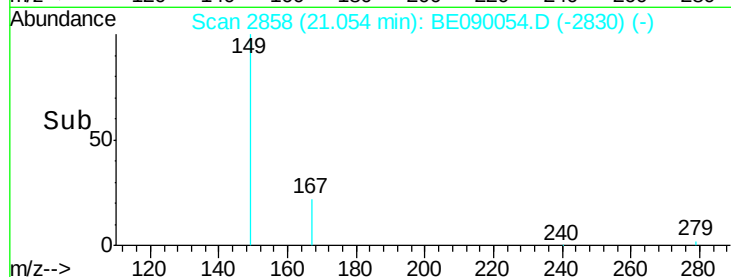
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Tgt Ion:	149	Resp:	1028
Ion Ratio		Lower	Upper
149	100		
167	24.3	20.3	30.5
279	3.2	2.6	3.8

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#31

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

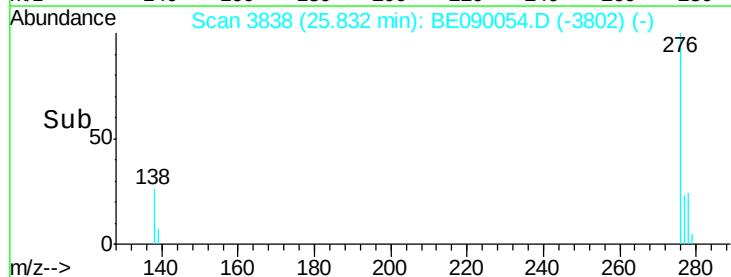
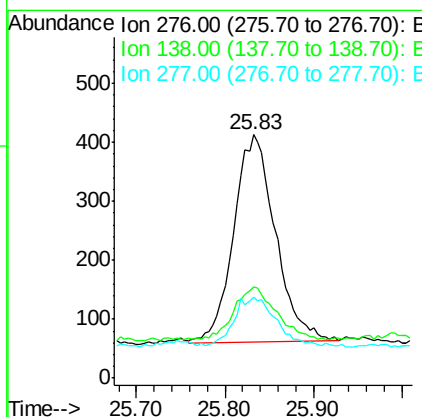
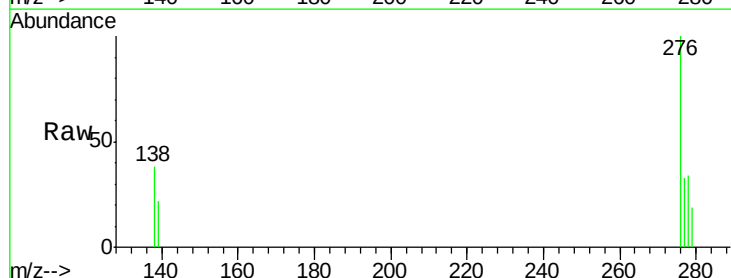
RT: 25.83 min Scan# 3838

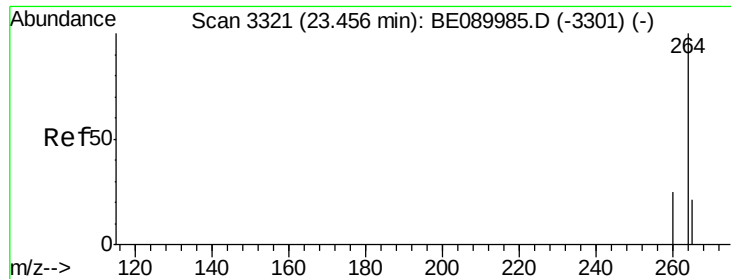
Delta R.T. -0.04 min

Lab File: BE090054.D

Acq: 2 Jul 2015 17:07

Tgt Ion:	276	Resp:	1147
Ion Ratio		Lower	Upper
276	100		
138	25.2	21.3	31.9
277	23.5	19.7	29.5





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.43 min Scan# 3315

Delta R.T. -0.02 min

Lab File: BE090054.D

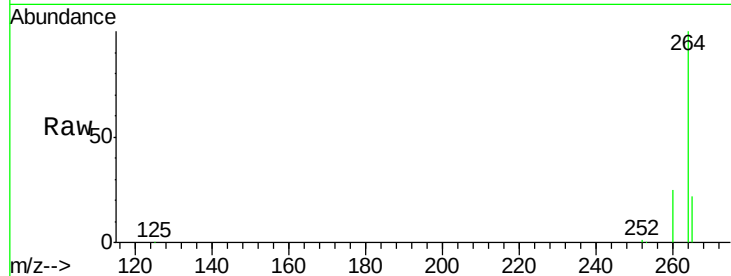
Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

ClientSampleId :

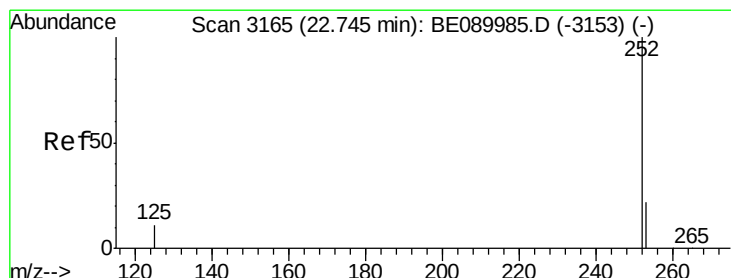
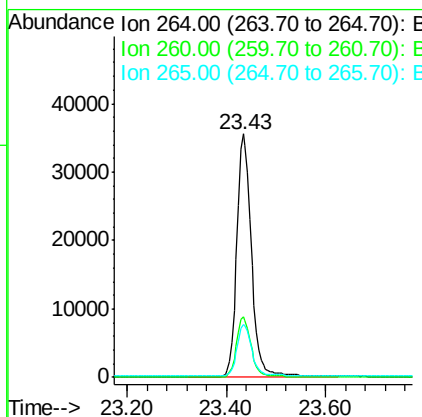
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Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	21.9	17.1	25.7

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#33

Benzo(b)fluoranthene

Concen: 0.13 ng

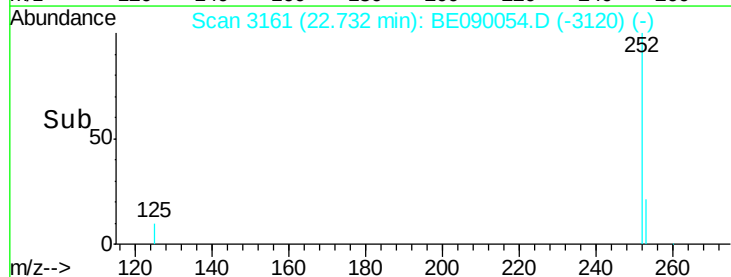
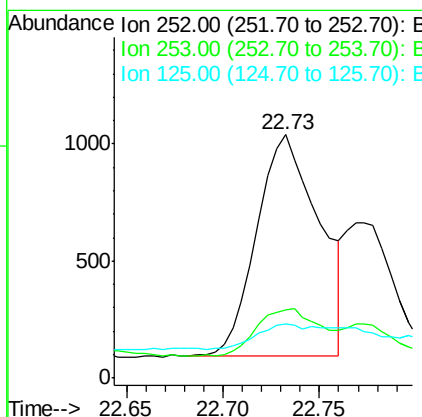
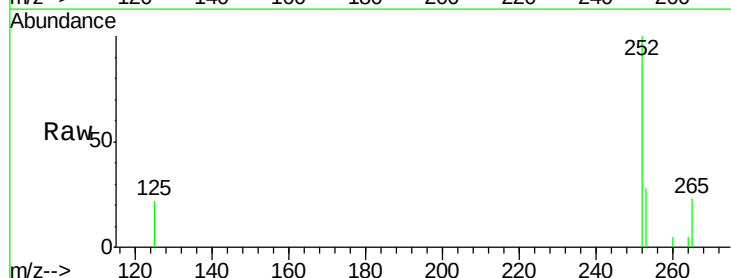
RT: 22.73 min Scan# 3161

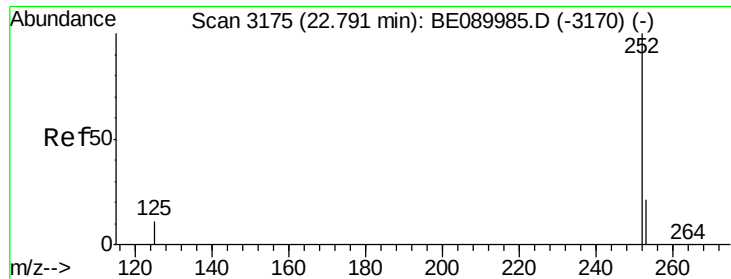
Delta R.T. -0.01 min

Lab File: BE090054.D

Acq: 2 Jul 2015 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.8	26.8#
125	22.1	9.0	13.4#





#34

Benzo(k)fluoranthene

Concen: 0.06 ng m

RT: 22.77 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BE090054.D

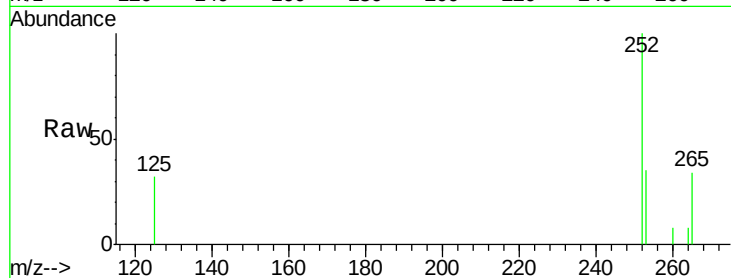
Acq: 2 Jul 2015 17:07

Instrument :

BNA_E

ClientSampleId :

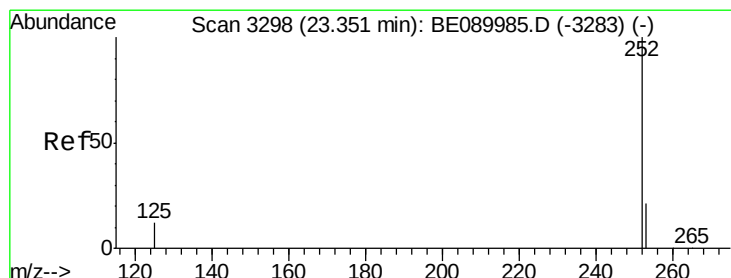
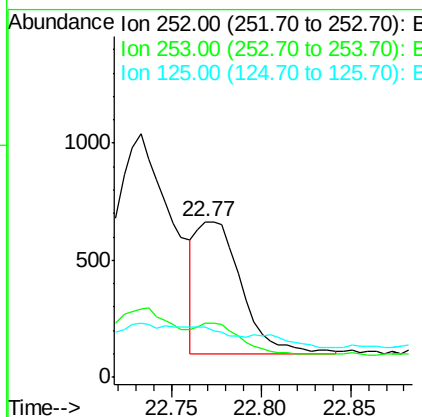
X1SB0680204-150625RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.7	17.5	26.3#
125	32.4	9.5	14.3#

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#35

Benzo(a)pyrene

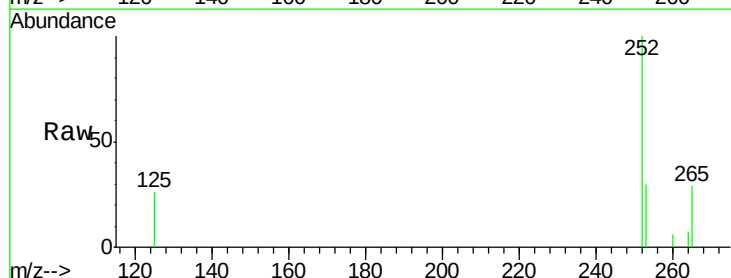
Concen: 0.10 ng

RT: 23.33 min Scan# 3292

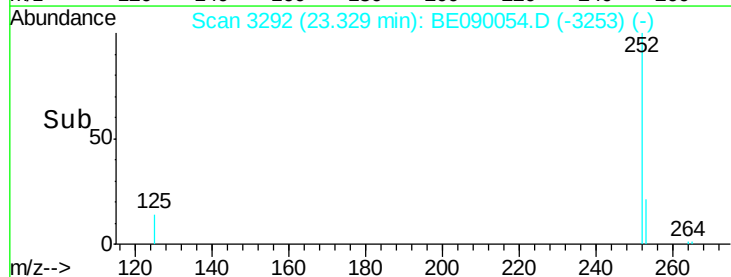
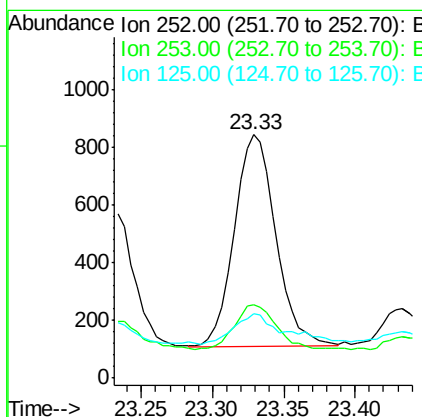
Delta R.T. -0.02 min

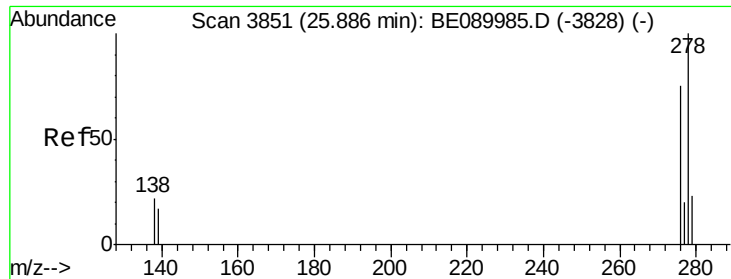
Lab File: BE090054.D

Acq: 2 Jul 2015 17:07



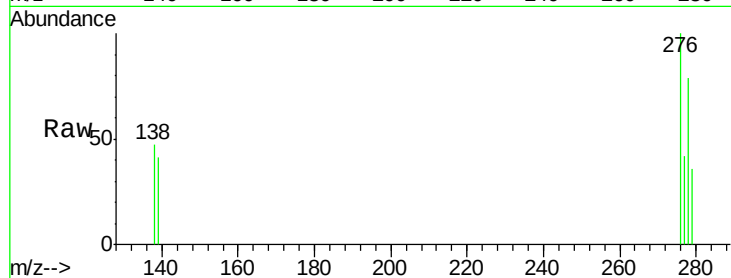
Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.4	26.2#
125	26.4	10.5	15.7#





#36
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.86 min Scan# 3844
Delta R.T. -0.03 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Instrument :
BNA_E
ClientSampleId :
X1SB0680204-150625RE

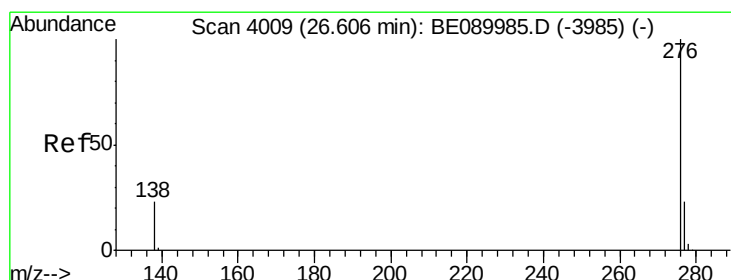
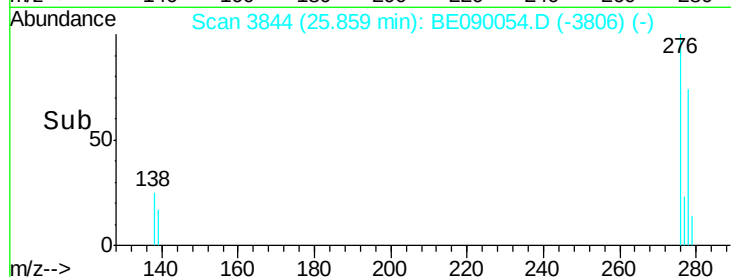
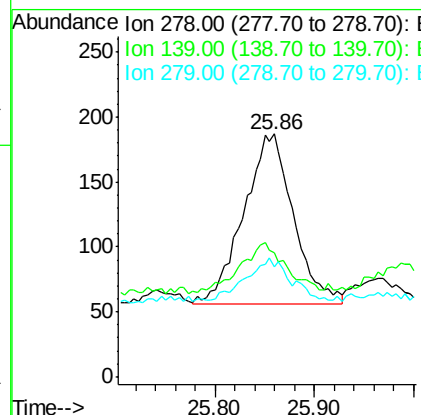


Tgt Ion: 278 Resp: 459

Ion	Ratio	Lower	Upper
278	100		
139	51.3	14.4	21.6#
279	45.5	19.0	28.6#

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#37
Benzo(g,h,i)perylene
Concen: 0.07 ng
RT: 26.57 min Scan# 4000
Delta R.T. -0.04 min
Lab File: BE090054.D
Acq: 2 Jul 2015 17:07

Tgt Ion: 276 Resp: 1113

Ion	Ratio	Lower	Upper
276	100		
277	34.9	18.8	28.2#
138	39.2	18.6	27.8#

