

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089972.D
 Acq On : 27 Jun 2015 12:20
 Operator : TP/IZ
 Sample : G2782-19
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Manual Integrations
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 6/29/2015 5:04:20 PM

Quant Time: Jun 29 01:36:05 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 16:51:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	26694	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	132225	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	78933	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	182793	5.00	ng	0.00
25) Chrysene-d12	21.13	240	202052	5.00	ng	0.00
32) Perylene-d12	23.47	264	187507	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	57392	11.91	ng	0.00
5) Phenol-d6	6.81	99	101051	13.68	ng	0.00
7) Nitrobenzene-d5	8.77	82	66909	6.80	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	18434	13.03	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	158029	6.87	ng	0.00
27) Terphenyl-d14	19.60	244	229772	6.59	ng	0.00
Target Compounds						
15) Acenaphthylene	13.96	152	14602	0.11	ng	Qvalue 100
22) Phenanthrene	17.01	178	1928m	0.04	ng	
23) Anthracene	17.12	178	2027	0.05	ng	98
24) Fluoranthene	19.02	202	11298	0.23	ng	99
26) Pyrene	19.38	202	12675	0.25	ng	97
28) Benzo(a)anthracene	21.12	228	10027m	0.21	ng	
29) Chrysene	21.17	228	10672	0.20	ng	97
30) Bis(2-ethylhexyl)phthalate	21.07	149	6222	1.51	ng	99
31) Indeno(1,2,3-cd)pyrene	25.87	276	12366	0.32	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	19025	0.48	ng	# 94
34) Benzo(k)fluoranthene	22.80	252	7913m	0.18	ng	
35) Benzo(a)pyrene	23.36	252	11770	0.33	ng	# 93
36) Dibenzo(a,h)anthracene	25.89	278	2622	0.08	ng	# 74
37) Benzo(g,h,i)perylene	26.63	276	15096	0.43	ng	96

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

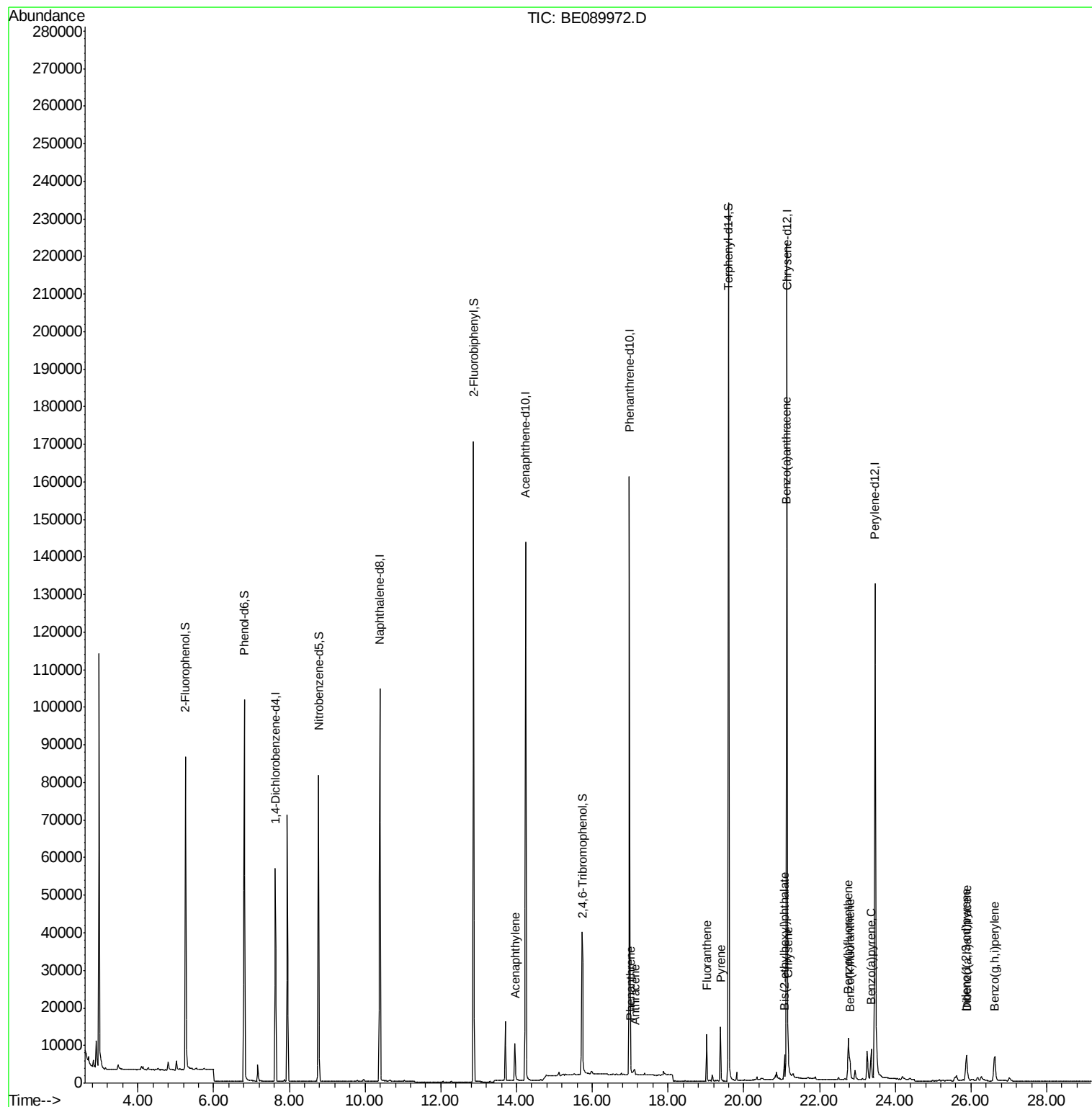
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
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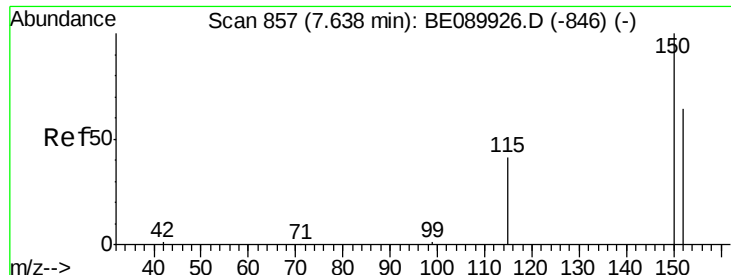
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089972.D

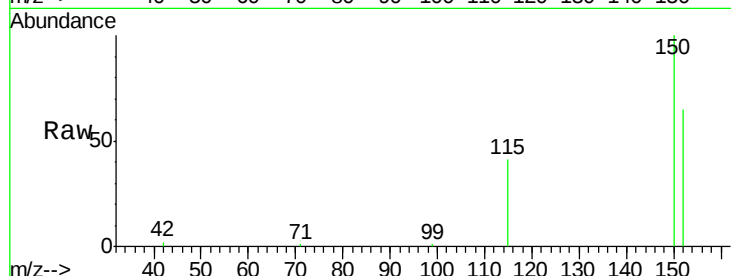
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 26694

Ion Ratio Lower Upper

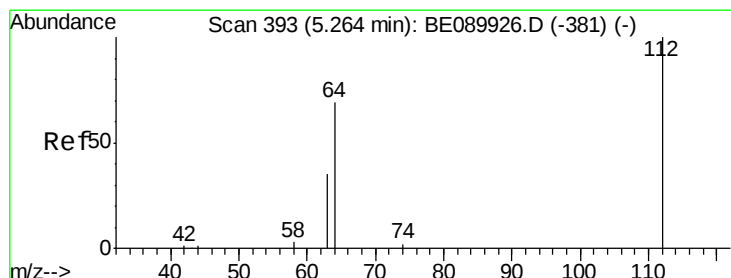
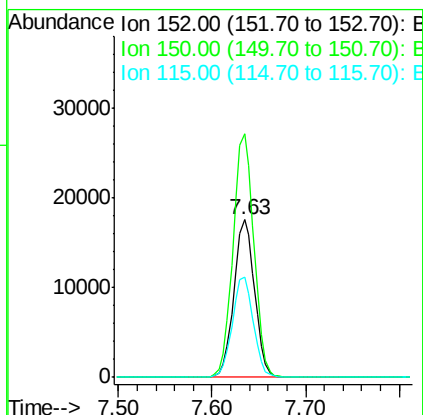
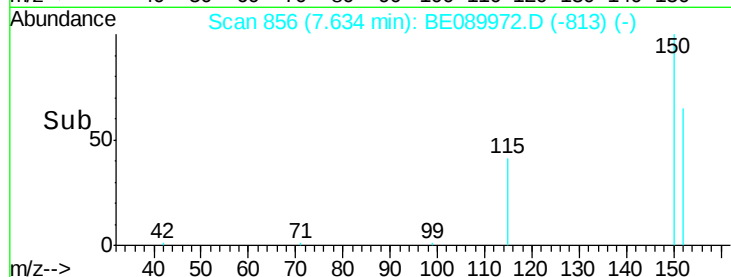
152 100

150 154.5 124.6 186.8

115 63.8 51.6 77.4

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#4

2-Fluorophenol

Concen: 11.91 ng

RT: 5.26 min Scan# 392

Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

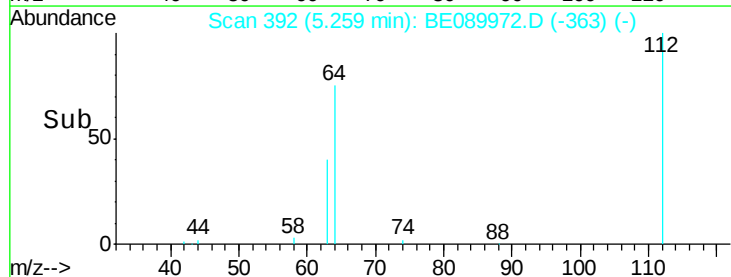
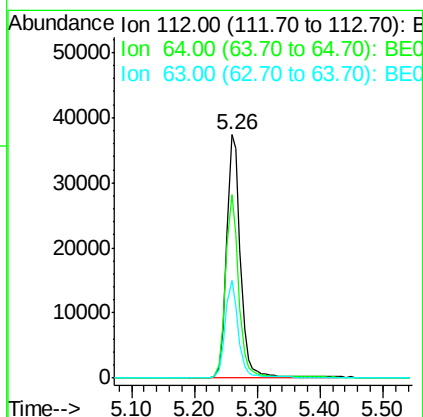
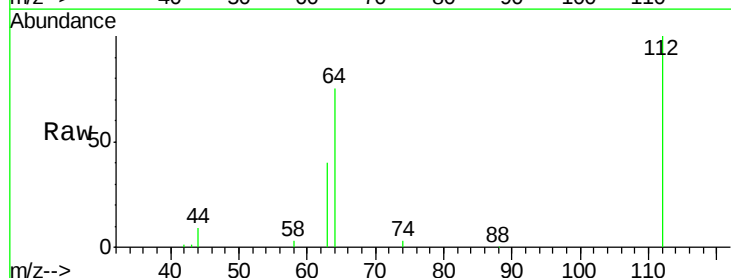
Tgt Ion:112 Resp: 57392

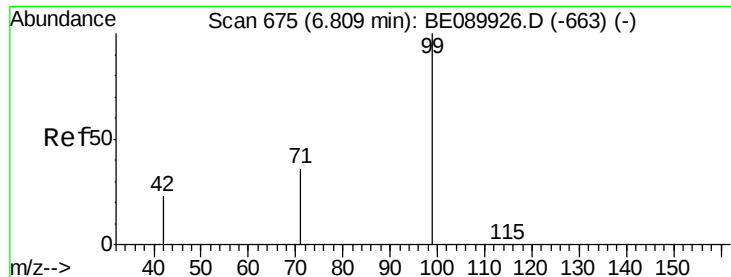
Ion Ratio Lower Upper

112 100

64 72.3 57.4 86.2

63 38.4 31.2 46.8





#5

Phenol-d6

Concen: 13.68 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

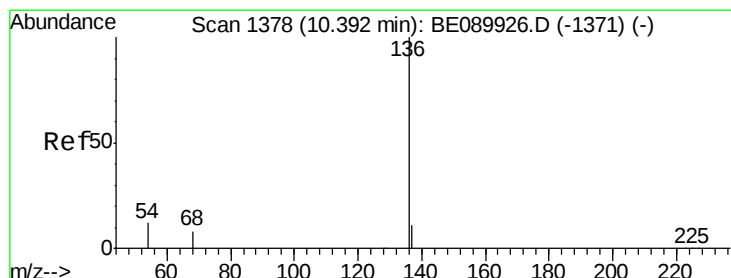
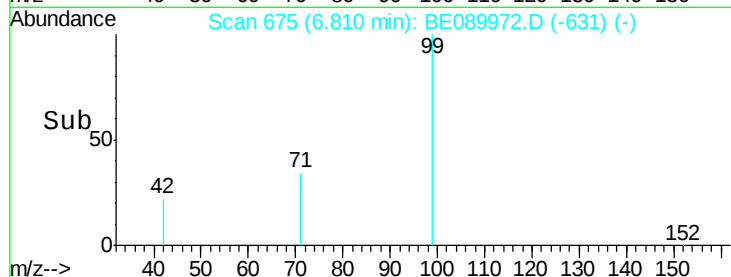
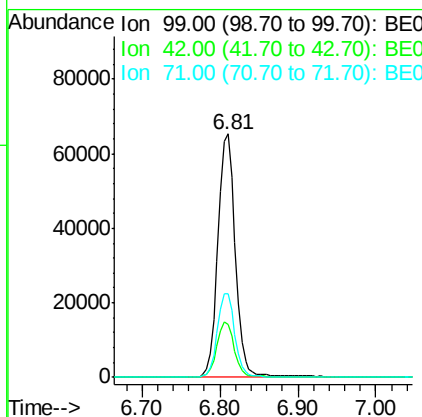
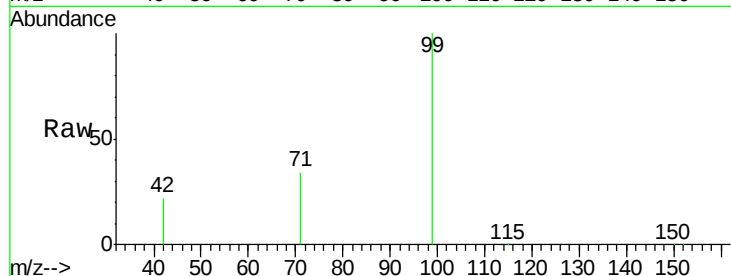
ClientSampleId :

X3SS0190006-150624

Tgt Ion:	99	Resp:	101051
Ion Ratio	Lower	Upper	
99	100		
42	22.6	19.5	29.3
71	34.6	27.8	41.6

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#6

Naphthalene-d8

Concen: 5.00 ng

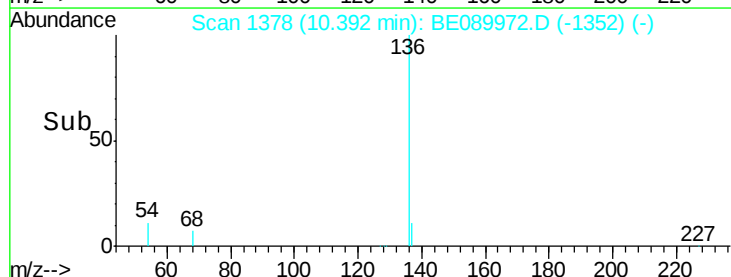
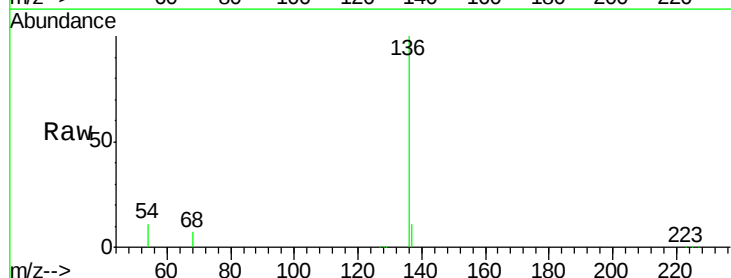
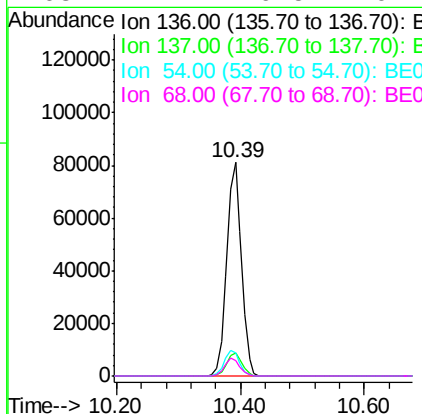
RT: 10.39 min Scan# 1378

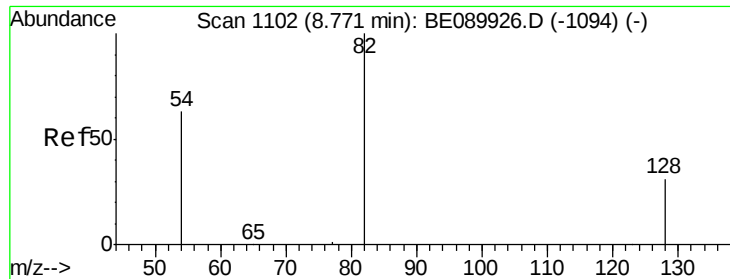
Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Tgt Ion:	136	Resp:	132225
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	10.7	9.7	14.5
68	7.4	6.5	9.7





#7

Nitrobenzene-d5

Concen: 6.80 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089972.D

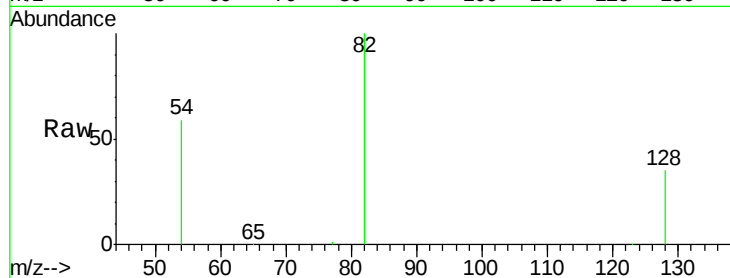
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624



Tgt Ion: 82 Resp: 66909

Ion Ratio Lower Upper

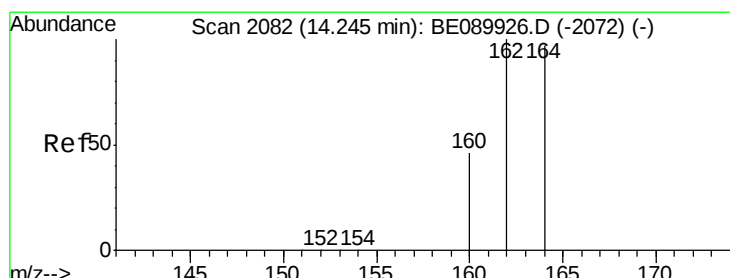
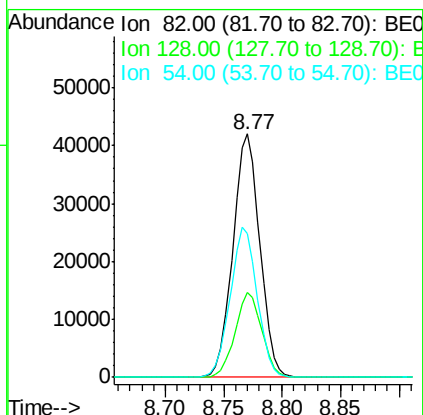
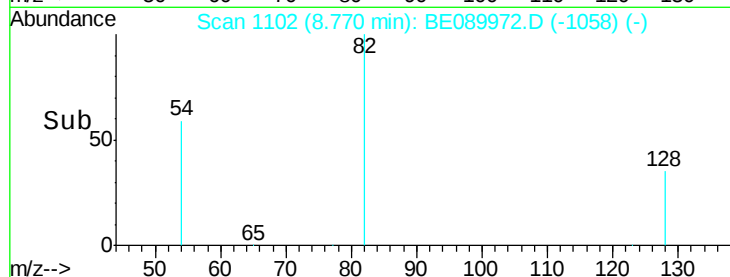
82 100

128 35.1 25.6 38.4

54 59.1 51.2 76.8

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

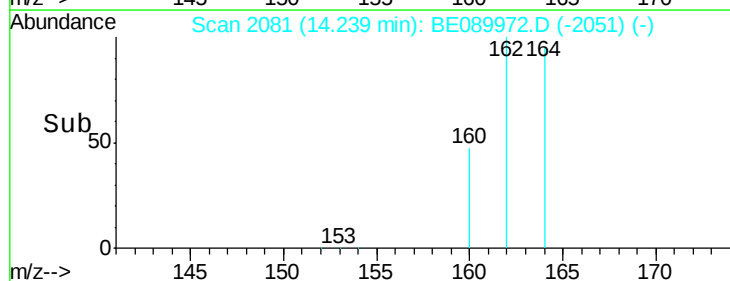
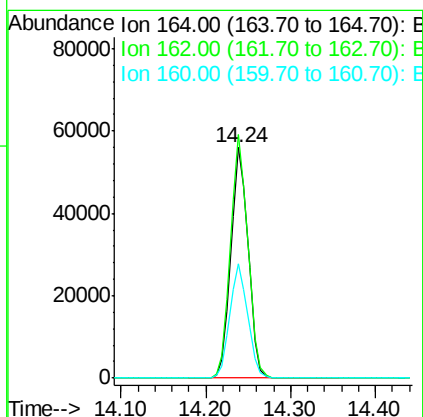
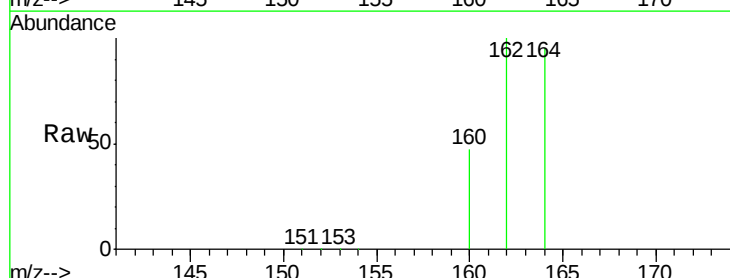
Tgt Ion: 164 Resp: 78933

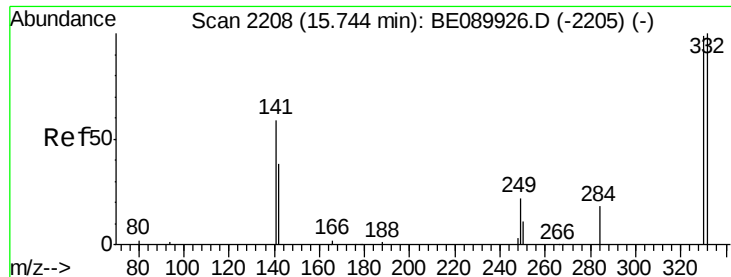
Ion Ratio Lower Upper

164 100

162 105.6 82.7 124.1

160 49.8 38.3 57.5





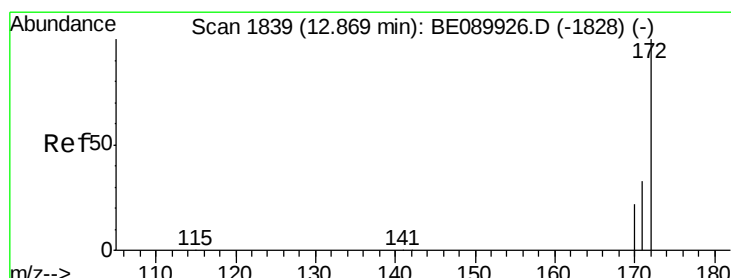
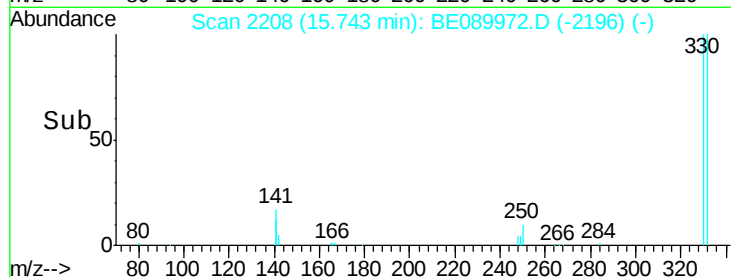
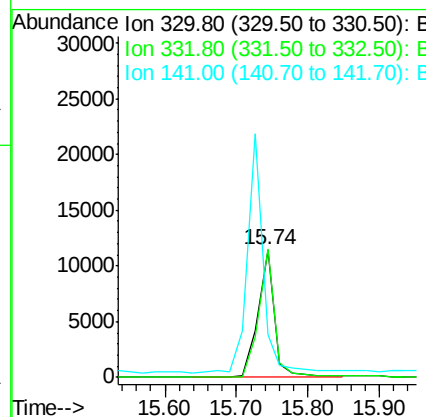
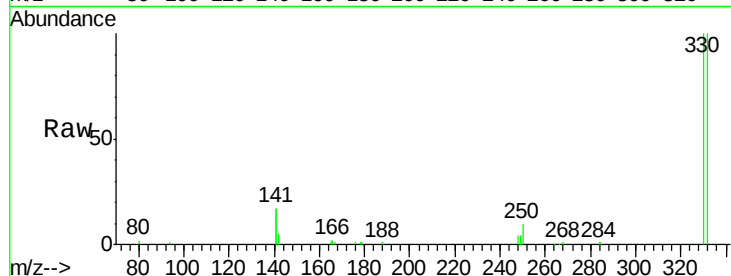
#13
 2,4,6-Tribromophenol
 Concen: 13.03 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.9	116.9
141	178.4	142.8	214.2

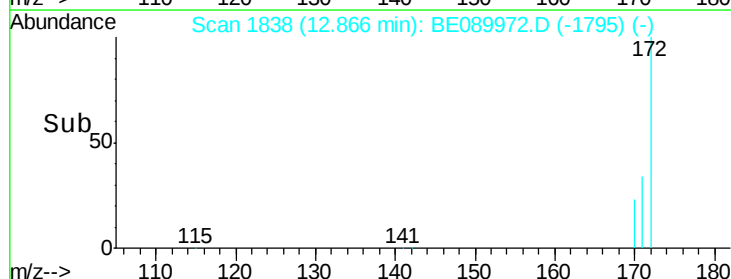
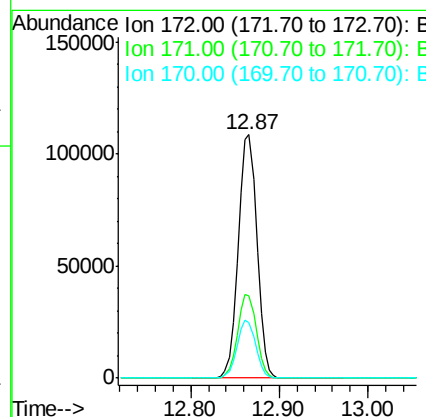
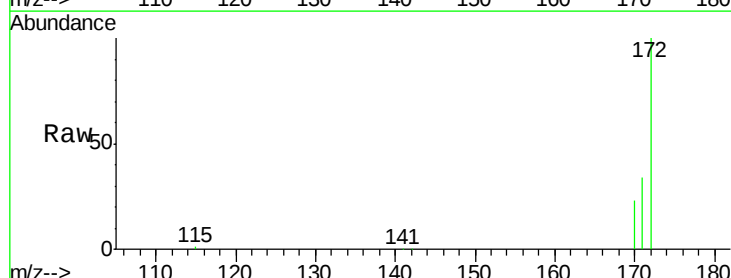
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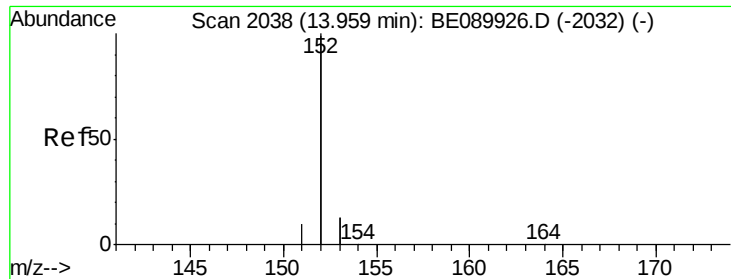
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#14
 2-Fluorobiphenyl
 Concen: 6.87 ng
 RT: 12.87 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.7	40.1
170	22.7	17.5	26.3





#15

Acenaphthylene

Concen: 0.11 ng

RT: 13.96 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BE089972.D

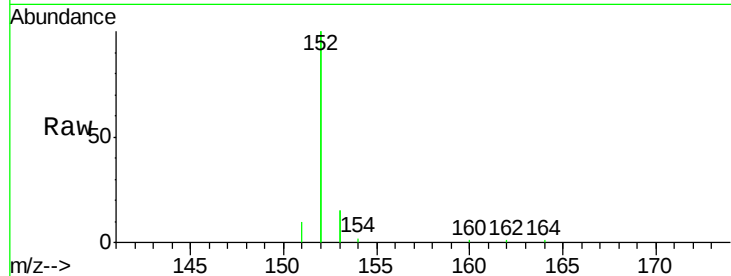
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Instrument :

BNA_E

ClientSampleId :

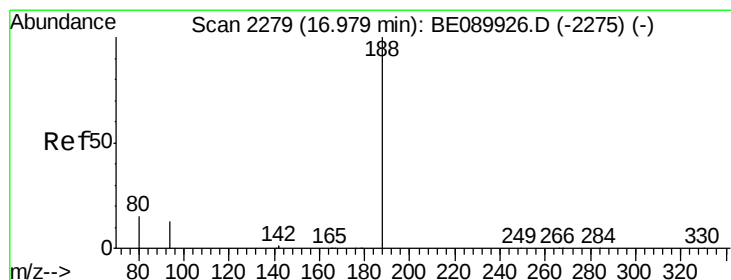
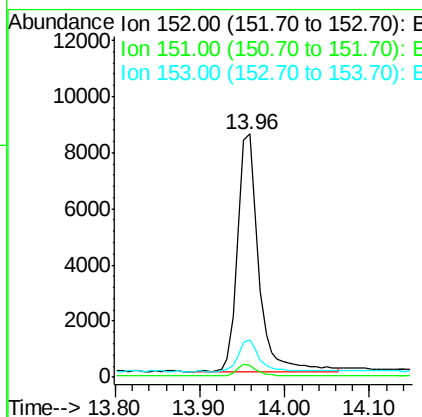
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

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#18

Phenanthrene-d10

Concen: 5.00 ng

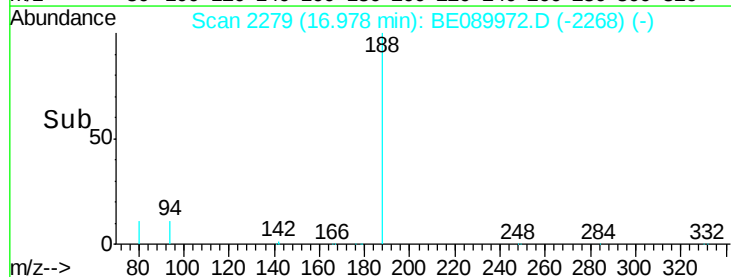
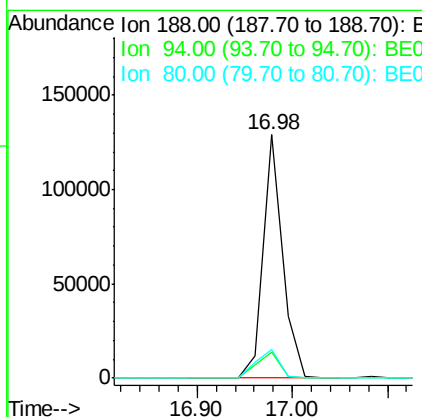
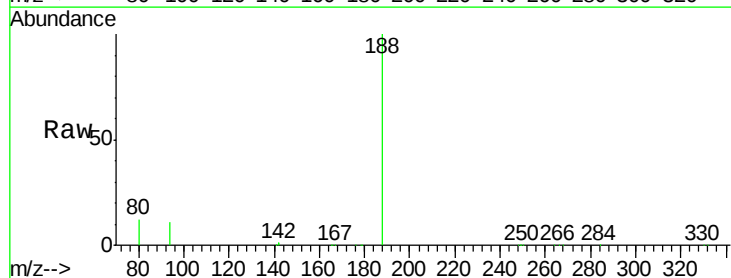
RT: 16.98 min Scan# 2279

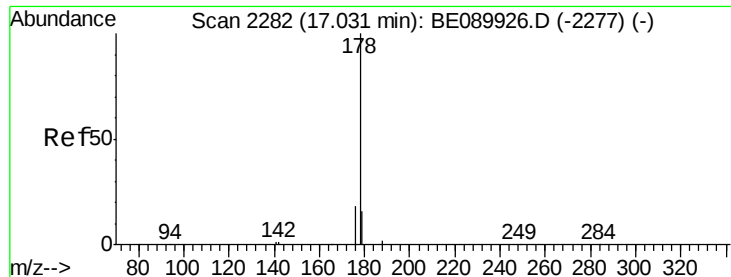
Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	10.6	16.0
80	11.5	11.8	17.6#





#22

Phenanthrene

Concen: 0.04 ng m

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089972.D

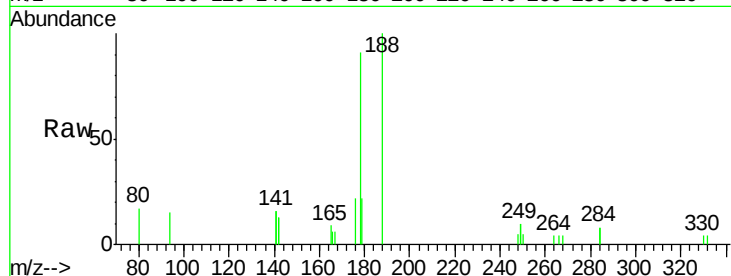
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

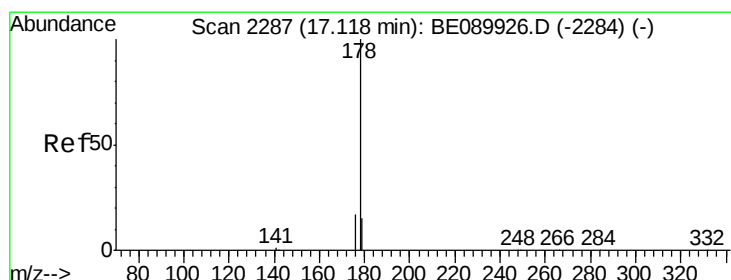
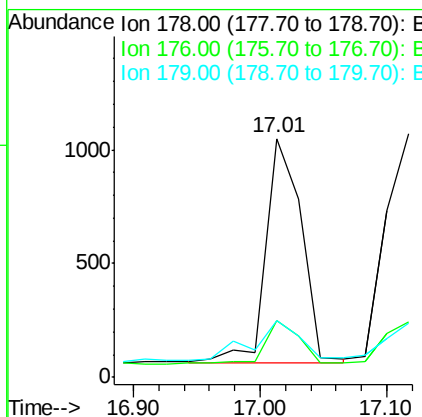
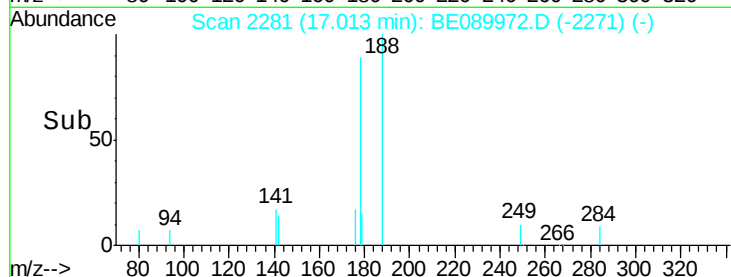
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Tgt Ion:	178	Resp:	1928
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	14.4	12.6	19.0

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#23

Anthracene

Concen: 0.05 ng

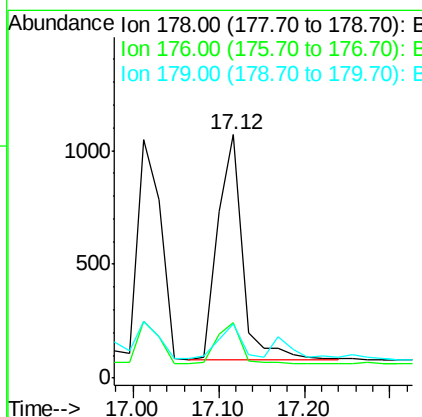
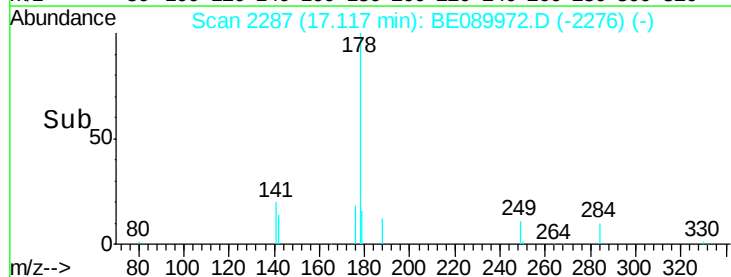
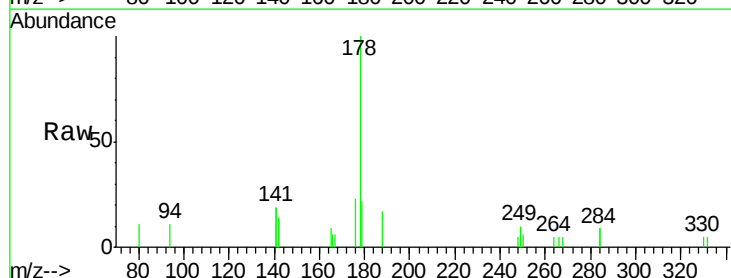
RT: 17.12 min Scan# 2287

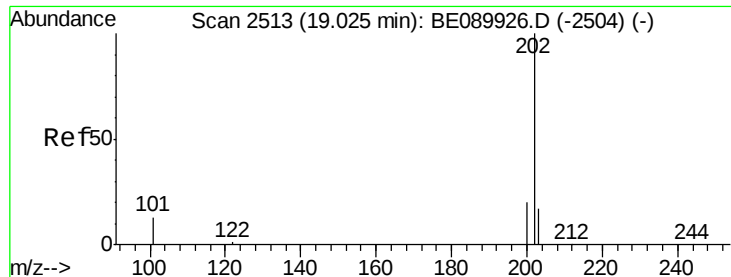
Delta R.T. -0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Tgt Ion:	178	Resp:	2027
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	21.8
179	13.9	12.3	18.5





#24

Fluoranthene

Concen: 0.23 ng

RT: 19.02 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BE089972.D

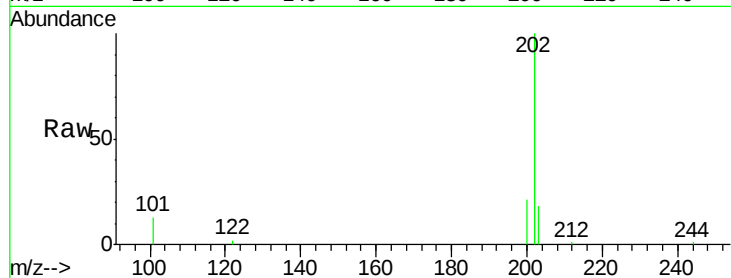
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

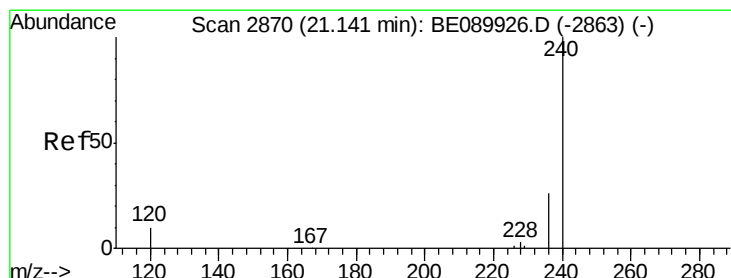
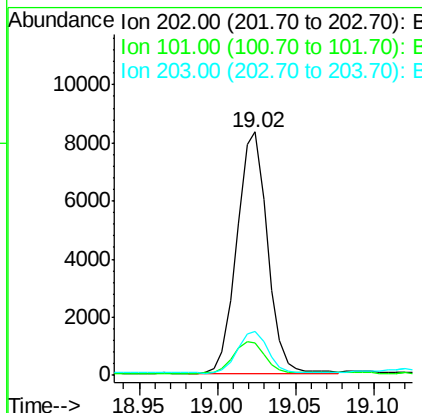
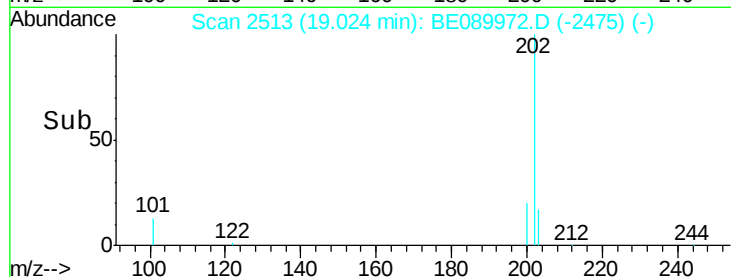
X3SS0190006-150624



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	11298		
101	14.1	10.6	16.0	
203	17.4	13.8	20.8	

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#25

Chrysene-d12

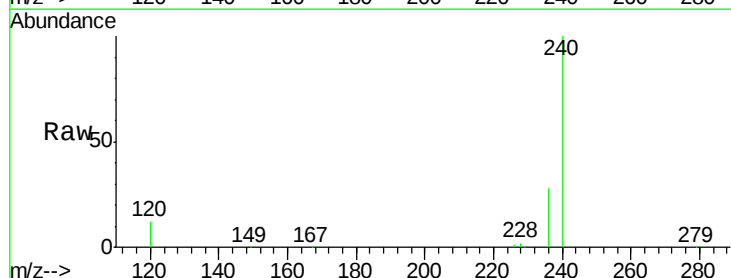
Concen: 5.00 ng

RT: 21.13 min Scan# 2870

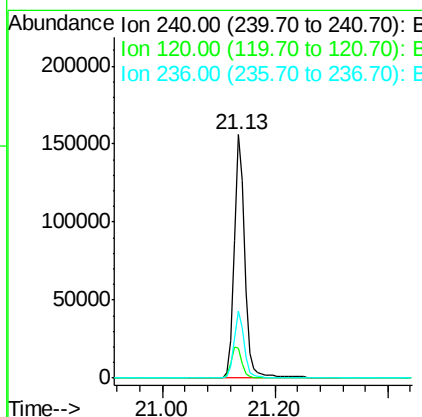
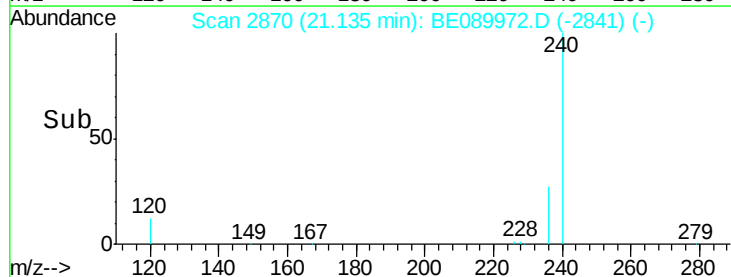
Delta R.T. -0.01 min

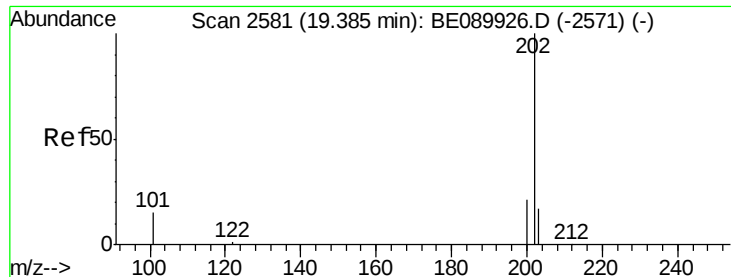
Lab File: BE089972.D

Acq: 27 Jun 2015 12:20



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	202052		
120	12.4	7.9	11.9#	
236	27.5	21.2	31.8	





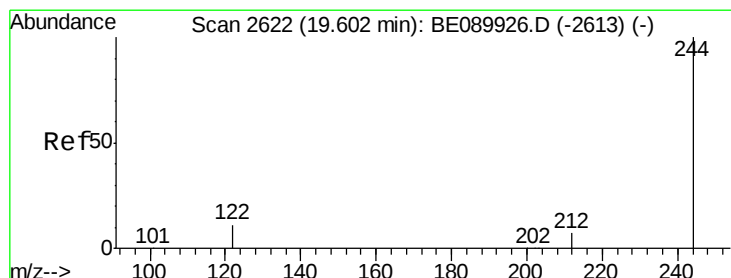
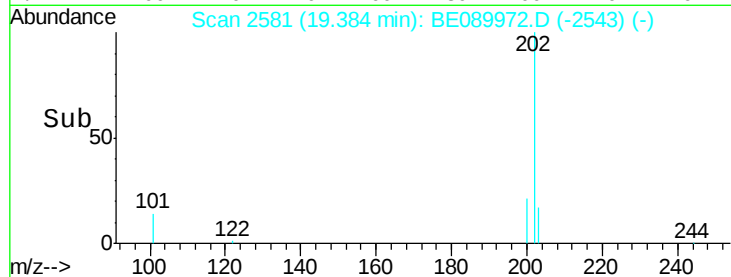
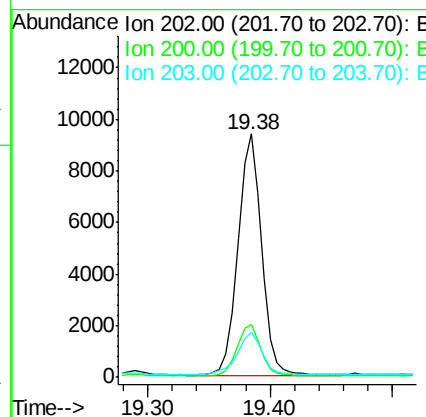
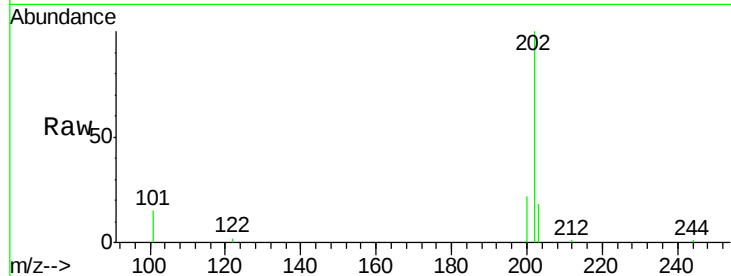
#26
 Pyrene
 Concen: 0.25 ng
 RT: 19.38 min Scan# 2581
 Delta R.T. -0.00 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	12675		
200	21.6	16.6	25.0	
203	19.3	13.9	20.9	

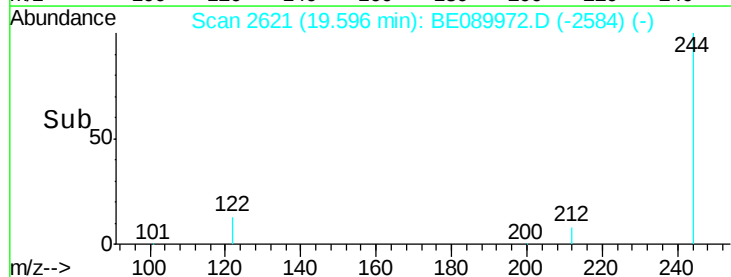
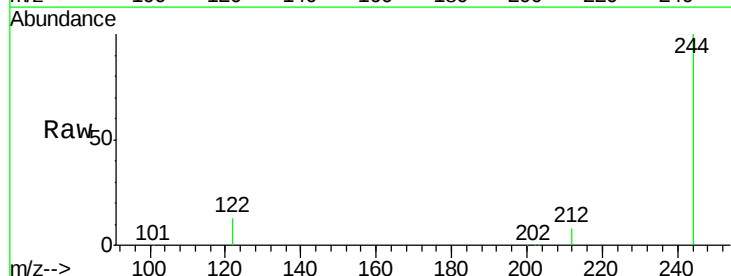
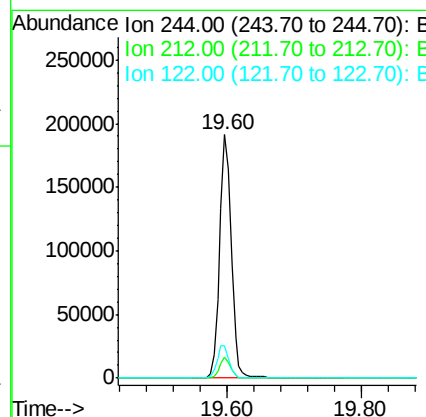
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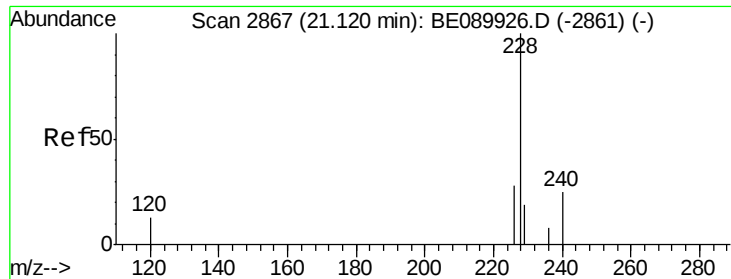
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#27
 Terphenyl-d14
 Concen: 6.59 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	229772		
212	8.3	6.1	9.1	
122	13.3	8.7	13.1#	





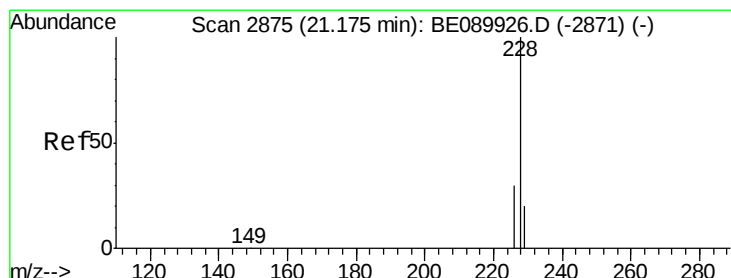
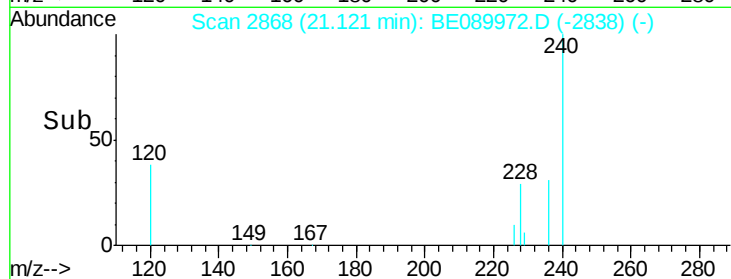
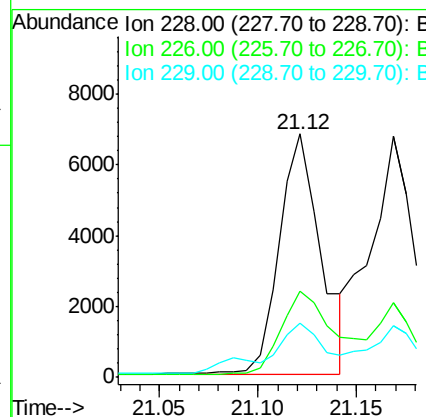
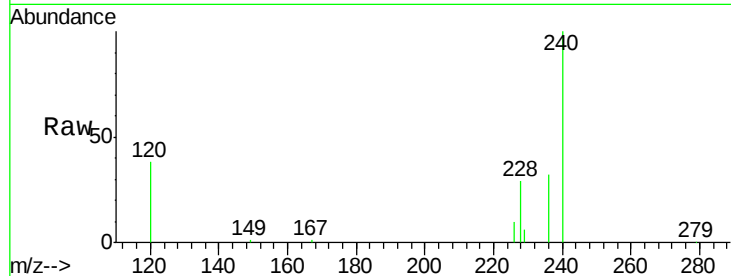
#28
Benzo(a)anthracene
Concen: 0.21 ng m
RT: 21.12 min Scan# 2868
Delta R.T. 0.00 min
Lab File: BE089972.D
Acq: 27 Jun 2015 12:20

Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.2	22.2	33.4#
229	22.4	15.3	22.9

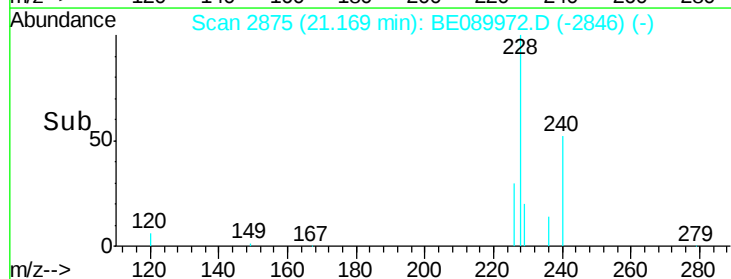
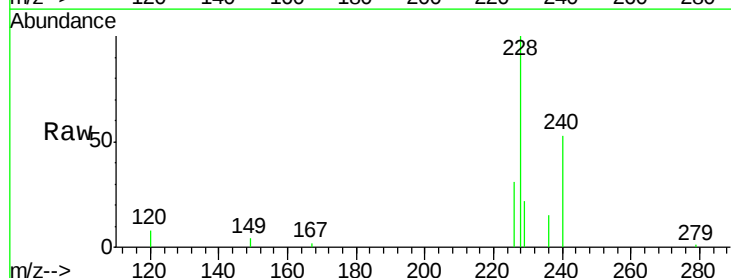
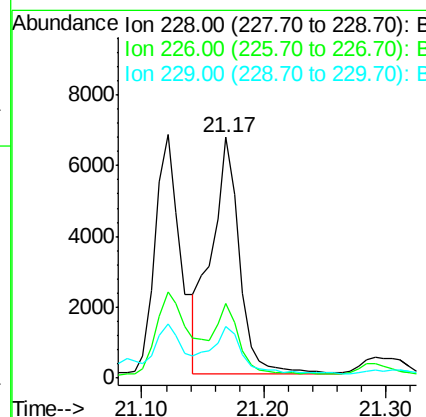
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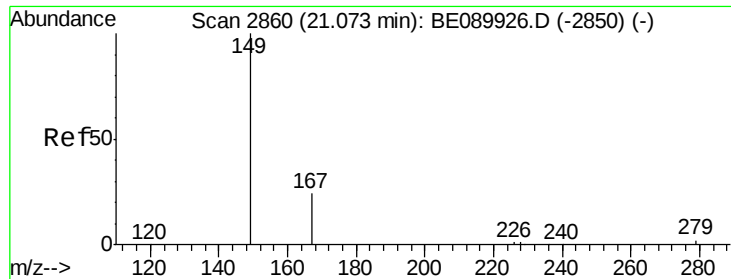
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#29
Chrysene
Concen: 0.20 ng
RT: 21.17 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BE089972.D
Acq: 27 Jun 2015 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.7	35.5
229	21.6	15.8	23.8





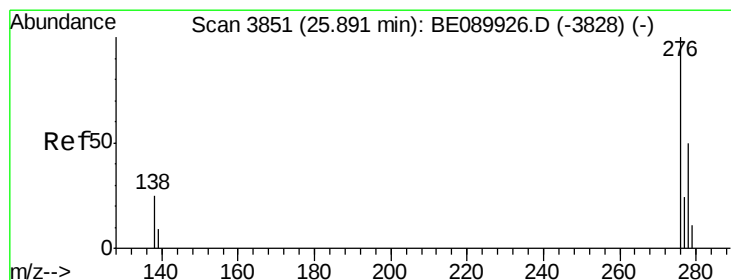
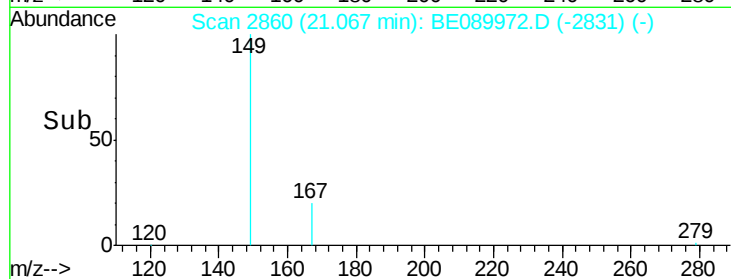
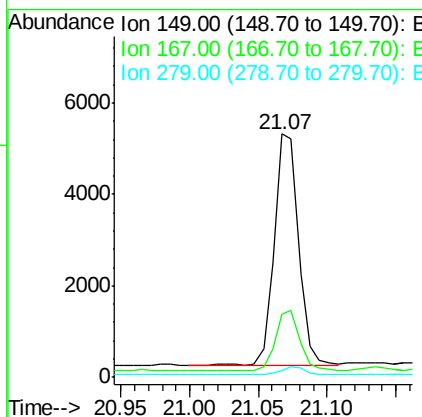
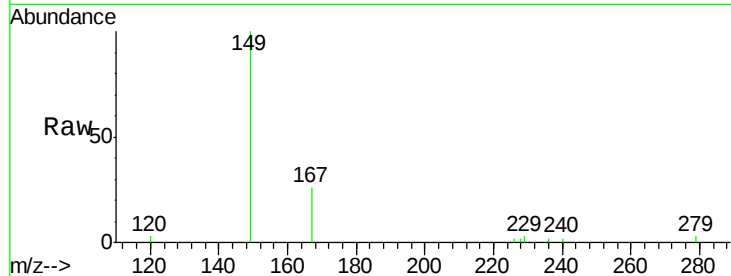
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.51 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.3	30.5
279	3.1	2.7	4.1

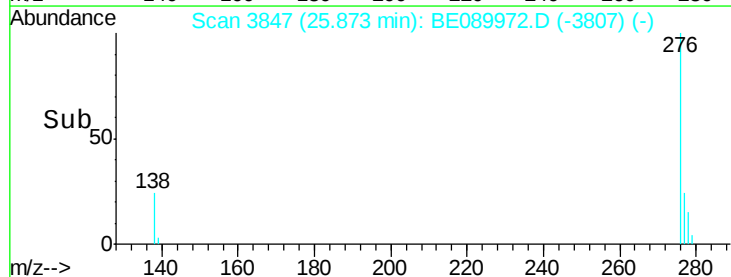
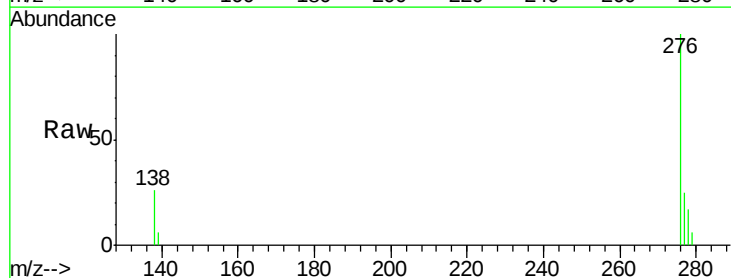
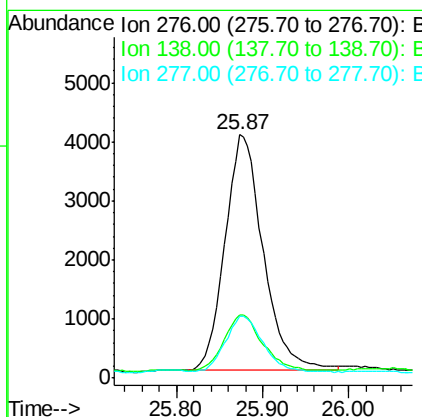
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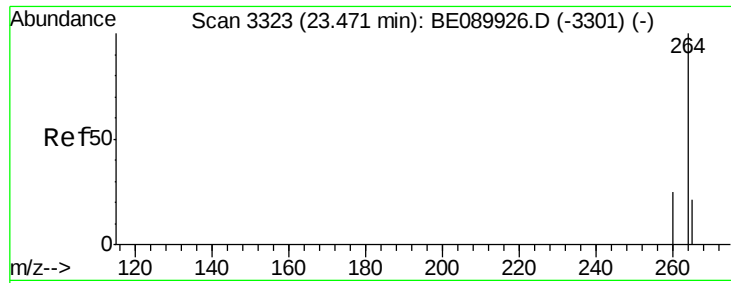
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#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.32 ng
 RT: 25.87 min Scan# 3847
 Delta R.T. -0.02 min
 Lab File: BE089972.D
 Acq: 27 Jun 2015 12:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	0.0	0.0#
277	23.6	0.0	0.0#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BE089972.D

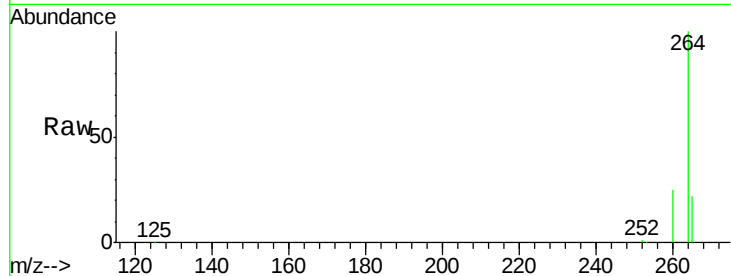
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

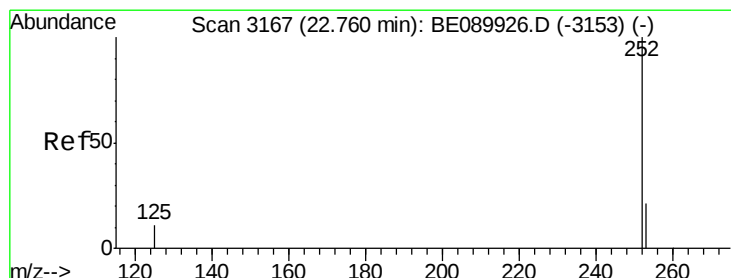
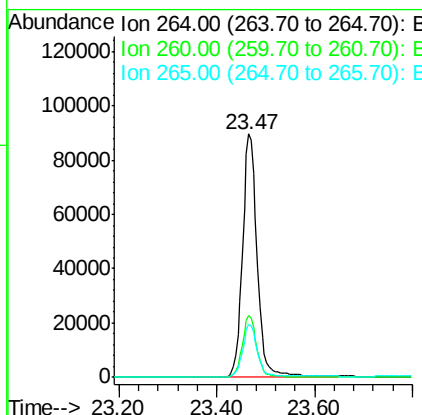
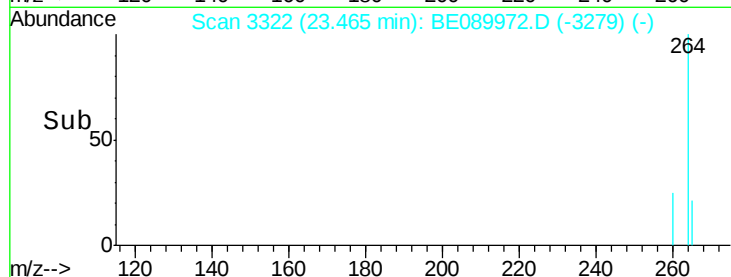
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Tgt Ion	Ratio	Resp	Lower	Upper
264	100	187507		
260	25.2	19.8	29.6	
265	21.7	17.3	25.9	

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#33

Benzo(b)fluoranthene

Concen: 0.48 ng

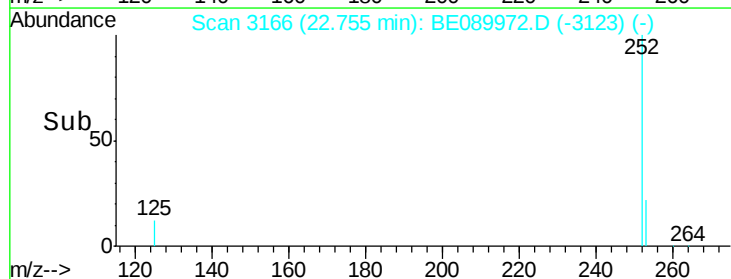
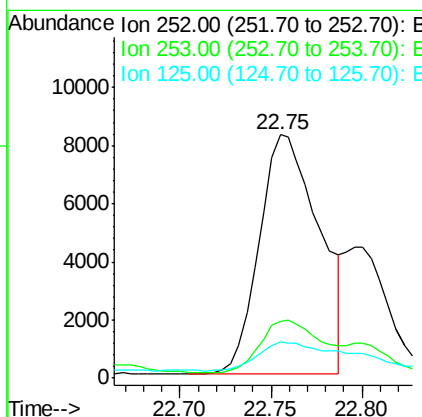
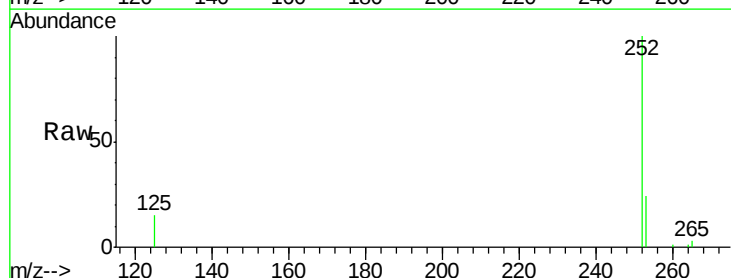
RT: 22.75 min Scan# 3166

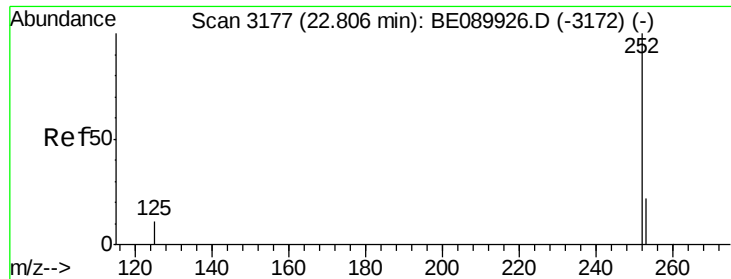
Delta R.T. -0.01 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	19025		
253	23.5	17.3	25.9	
125	14.9	9.3	13.9	





#34

Benzo(k)fluoranthene

Concen: 0.18 ng m

RT: 22.80 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE089972.D

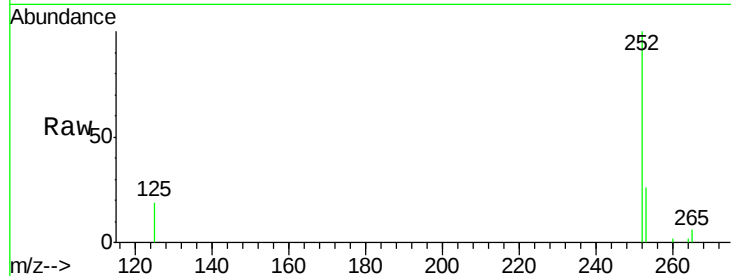
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

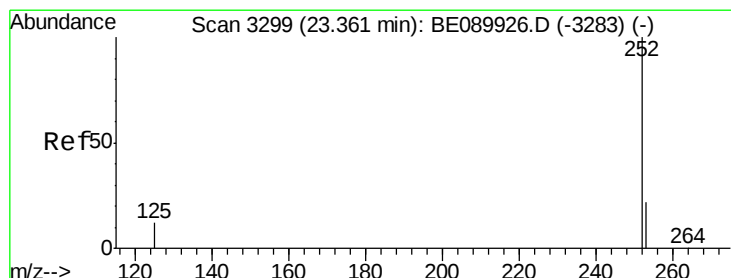
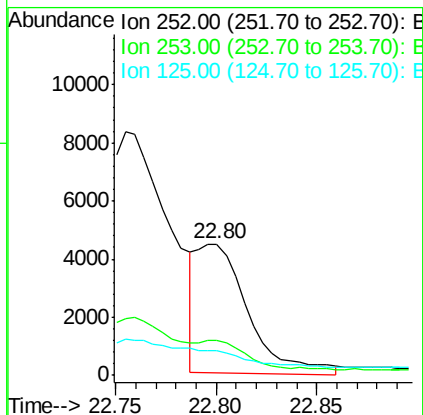
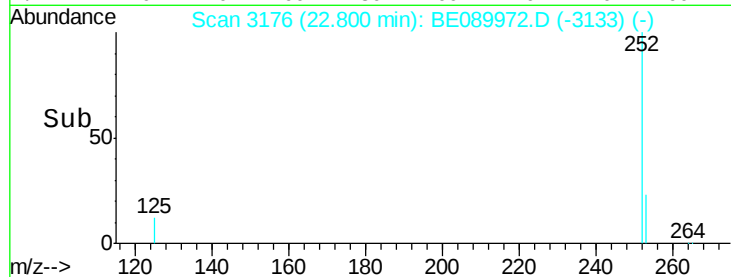
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	18.5	9.2	13.8#

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#35

Benzo(a)pyrene

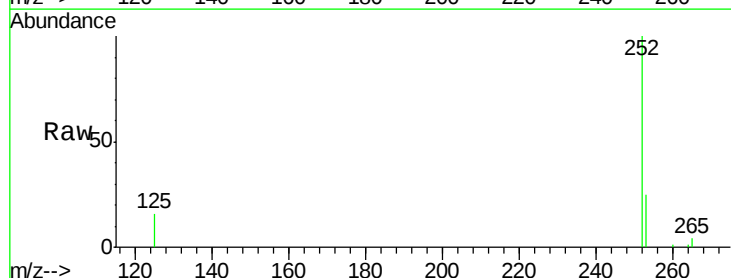
Concen: 0.33 ng

RT: 23.36 min Scan# 3299

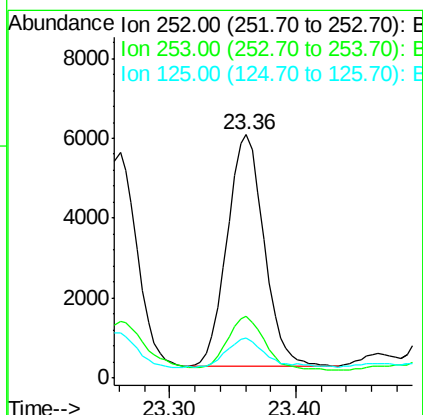
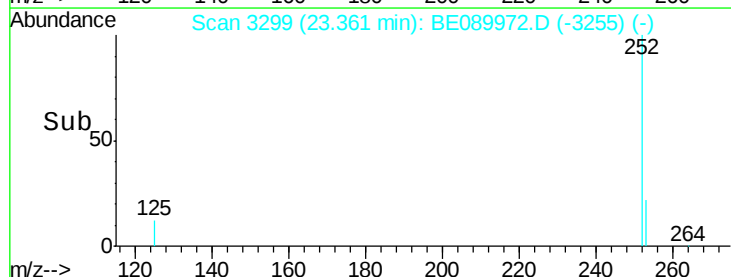
Delta R.T. -0.00 min

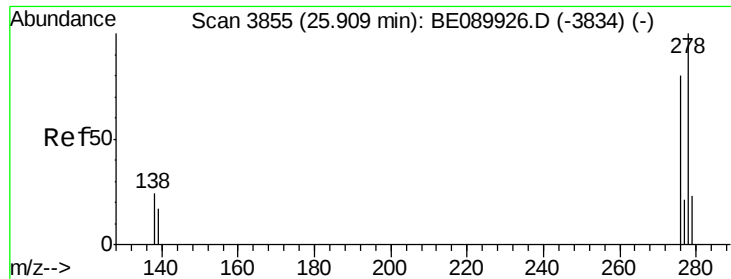
Lab File: BE089972.D

Acq: 27 Jun 2015 12:20



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.6
125	16.3	10.3	15.5#





#36

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 25.89 min Scan# 3851

Delta R.T. -0.02 min

Lab File: BE089972.D

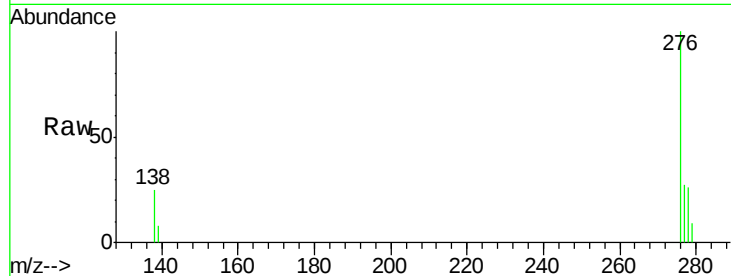
Acq: 27 Jun 2015 12:20

Instrument :

BNA_E

ClientSampleId :

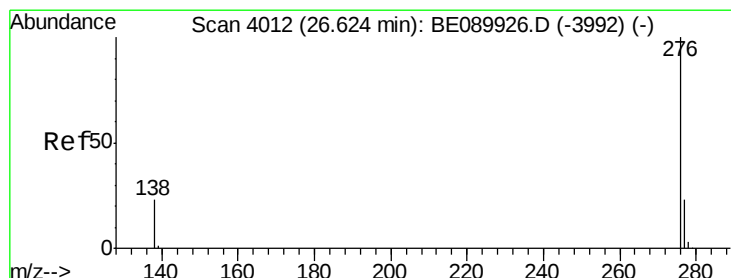
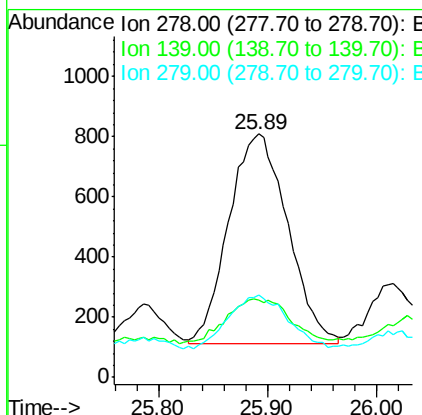
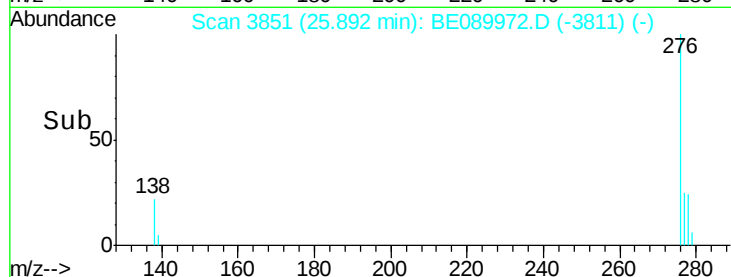
X3SS0190006-150624



Tgt Ion:	278	Resp:	2622
Ion Ratio	Lower	Upper	
278	100		
139	32.0	14.1	21.1#
279	34.1	19.0	28.6#

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#37

Benzo(g,h,i)perylene

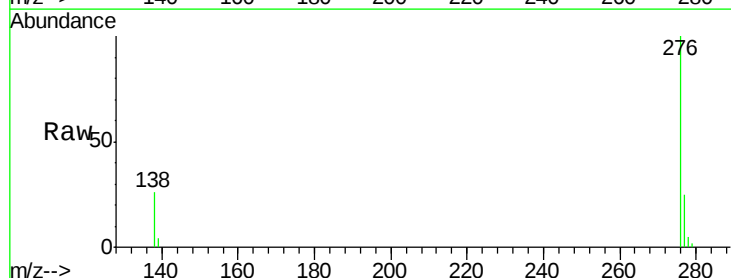
Concen: 0.43 ng

RT: 26.63 min Scan# 4012

Delta R.T. 0.00 min

Lab File: BE089972.D

Acq: 27 Jun 2015 12:20



Tgt Ion:	276	Resp:	15096
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	26.1	18.8	28.2

