

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089973.D
 Acq On : 27 Jun 2015 12:56
 Operator : TP/IZ
 Sample : G2782-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

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Quant Time: Jun 29 13:44:14 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	24035	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	115772	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	67070	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	158225	5.00	ng	0.00
25) Chrysene-d12	21.14	240	189779	5.00	ng	0.00
32) Perylene-d12	23.47	264	176560	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	57488	13.25	ng	0.00
5) Phenol-d6	6.81	99	94440	14.20	ng	0.00
7) Nitrobenzene-d5	8.77	82	60875	7.06	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	16797	13.95	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	138310	7.08	ng	0.00
27) Terphenyl-d14	19.60	244	209089	6.38	ng	0.00
Target Compounds						
15) Acenaphthylene	13.95	152	4175	0.04	ng	Qvalue 97
22) Phenanthrene	17.01	178	2459m	0.06	ng	
23) Anthracene	17.12	178	888	0.02	ng	# 93
24) Fluoranthene	19.02	202	9306	0.22	ng	99
26) Pyrene	19.38	202	9499	0.20	ng	96
28) Benzo(a)anthracene	21.12	228	7275	0.16	ng	93
29) Chrysene	21.17	228	8063	0.16	ng	96
30) Bis(2-ethylhexyl)phthalate	21.07	149	7360	1.90	ng	97
31) Indeno(1,2,3-cd)pyrene	25.88	276	5797	0.16	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	11276	0.30	ng	# 92
34) Benzo(k)fluoranthene	22.80	252	4465m	0.11	ng	
35) Benzo(a)pyrene	23.36	252	7135	0.21	ng	# 90
36) Dibenzo(a,h)anthracene	25.89	278	1394	0.05	ng	# 60
37) Benzo(g,h,i)perylene	26.62	276	6592	0.20	ng	94

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

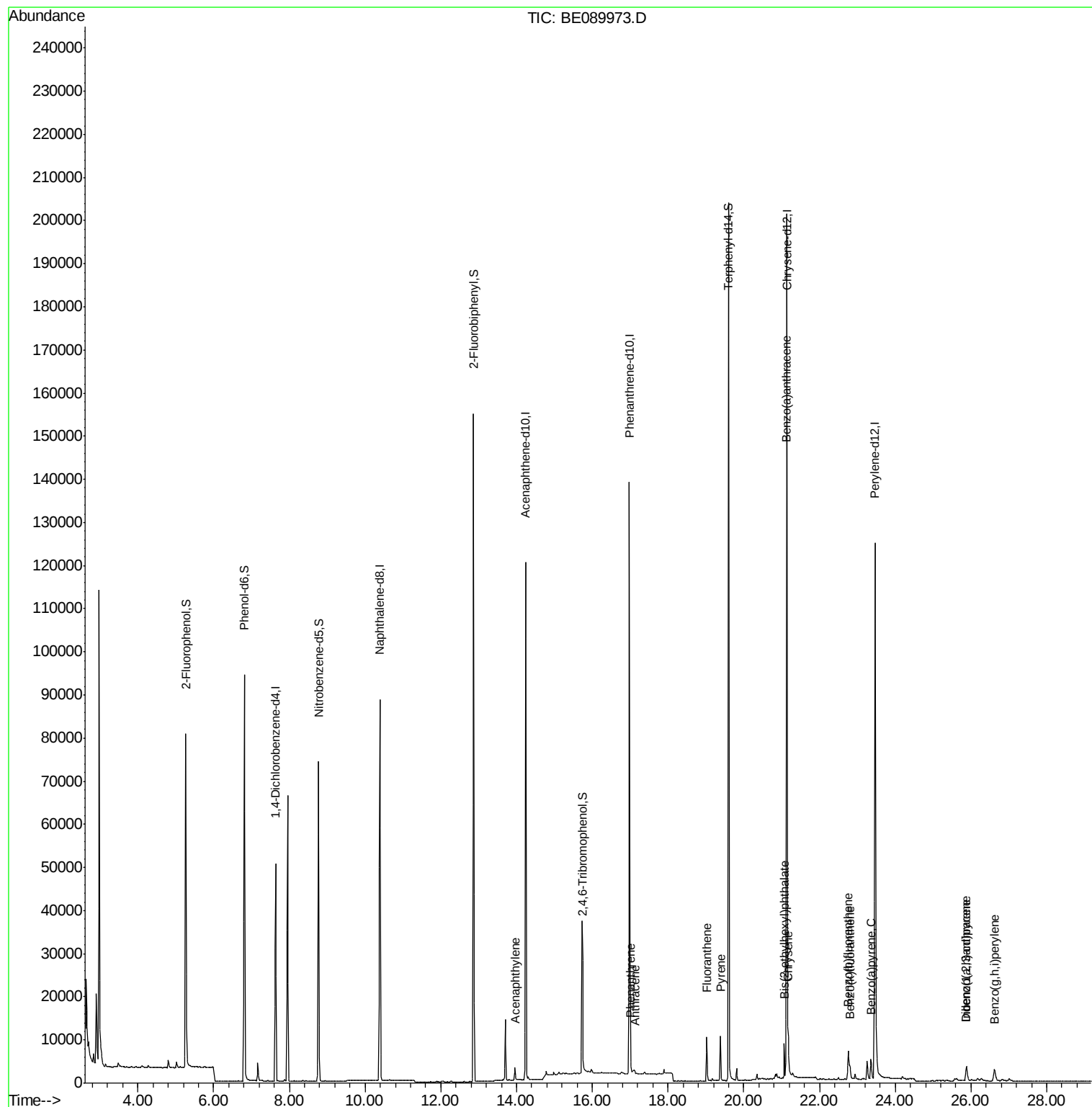
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
Data File : BE089973.D
Acq On : 27 Jun 2015 12:56
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ALS Vial : 29 Sample Multiplier: 1

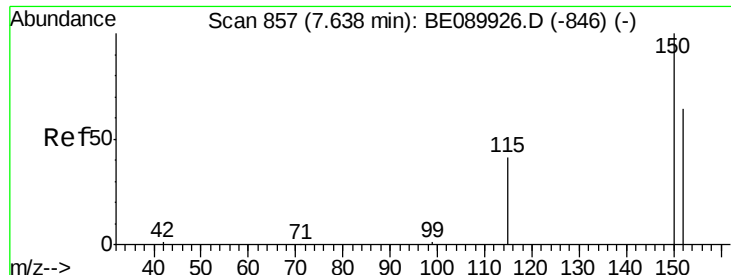
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089973.D

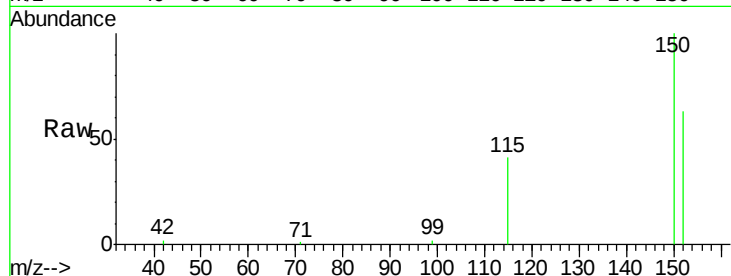
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 24035

Ion Ratio Lower Upper

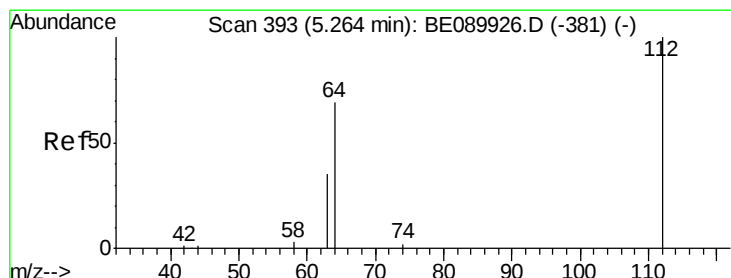
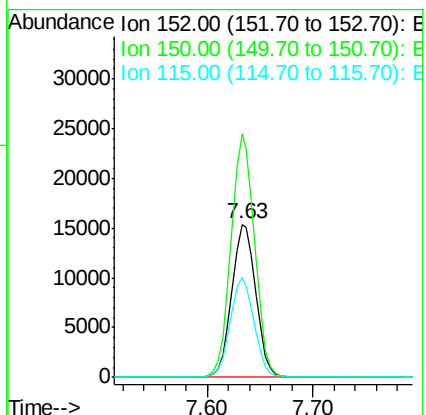
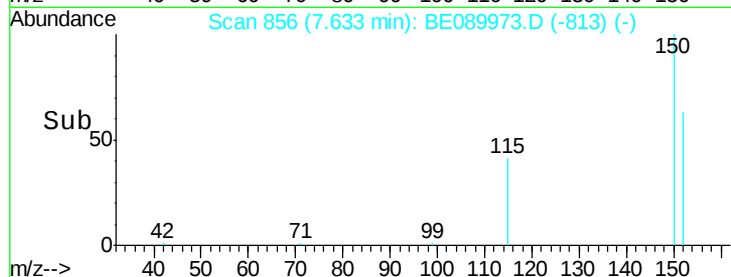
152 100

150 159.2 124.6 186.8

115 65.5 51.6 77.4

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#4

2-Fluorophenol

Concen: 13.25 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

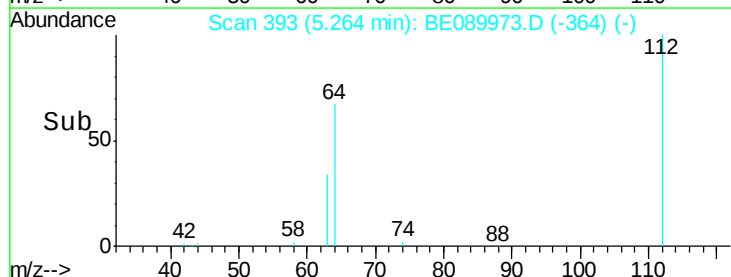
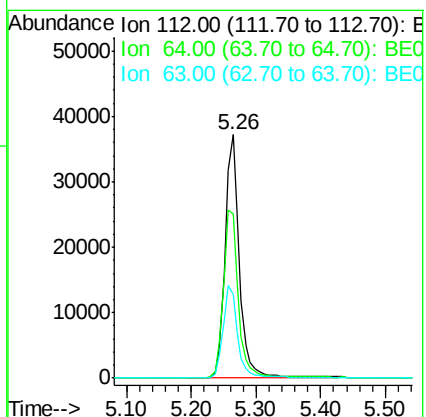
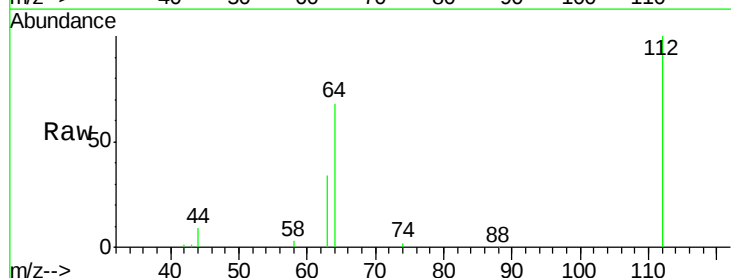
Tgt Ion:112 Resp: 57488

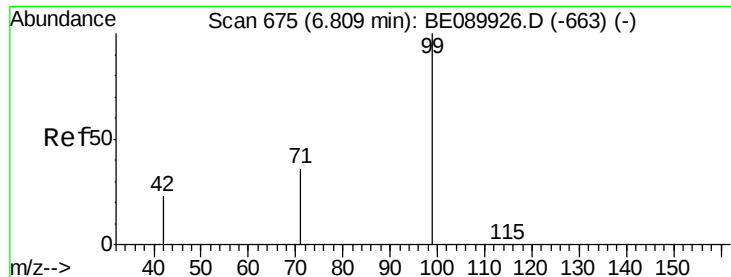
Ion Ratio Lower Upper

112 100

64 72.4 57.4 86.2

63 38.3 31.2 46.8





#5

Phenol-d6

Concen: 14.20 ng

RT: 6.81 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

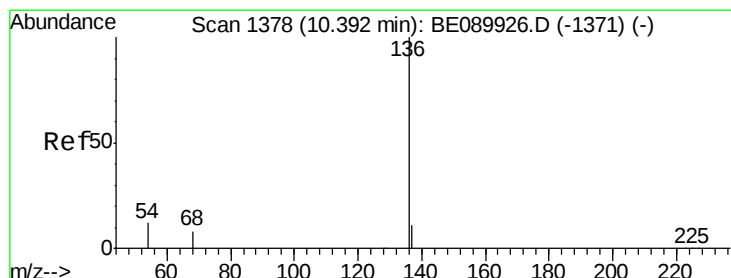
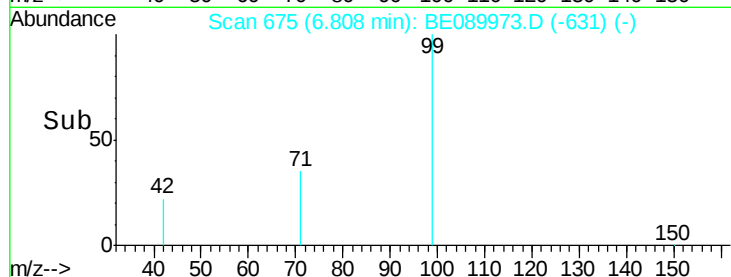
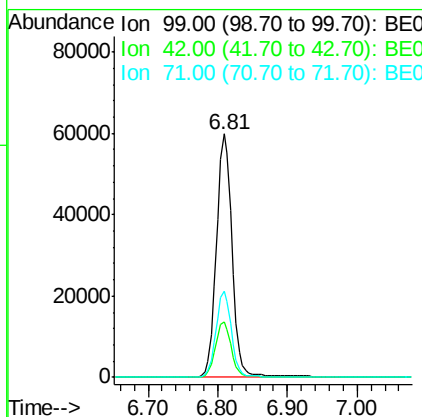
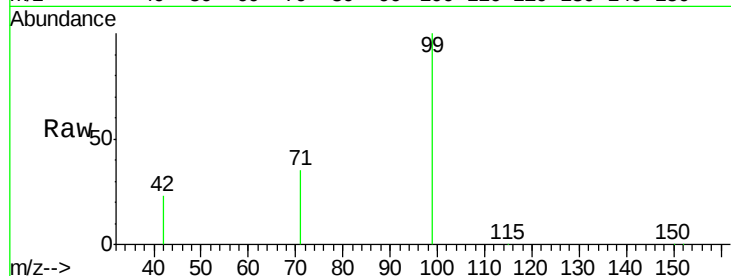
ClientSampleId :

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Tgt Ion:	99	Resp:	94440
Ion Ratio	Lower	Upper	
99	100		
42	22.6	19.5	29.3
71	34.8	27.8	41.6

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#6

Naphthalene-d8

Concen: 5.00 ng

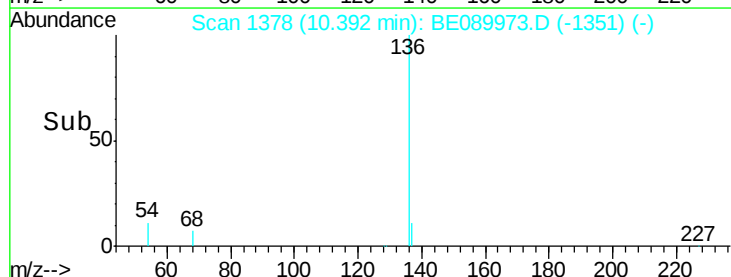
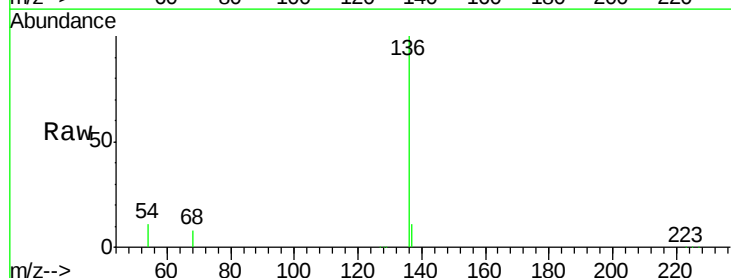
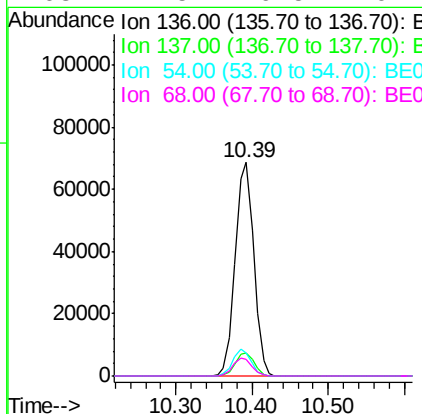
RT: 10.39 min Scan# 1378

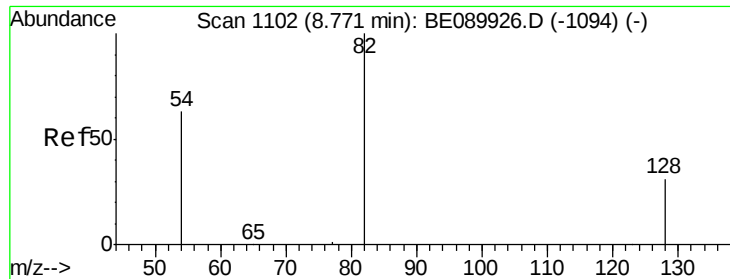
Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Tgt Ion:	136	Resp:	115772
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.7	9.7	14.5
68	7.5	6.5	9.7





#7

Nitrobenzene-d5

Concen: 7.06 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089973.D

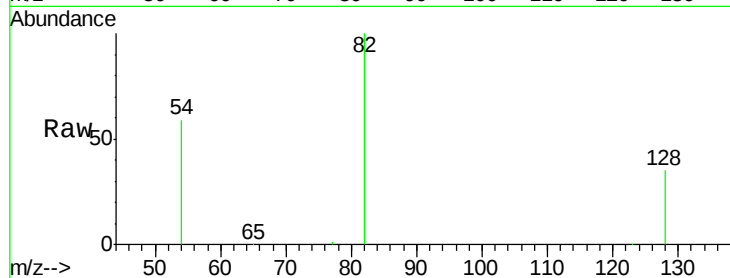
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

X3SS0210006-150624



Tgt Ion: 82 Resp: 60875

Ion Ratio Lower Upper

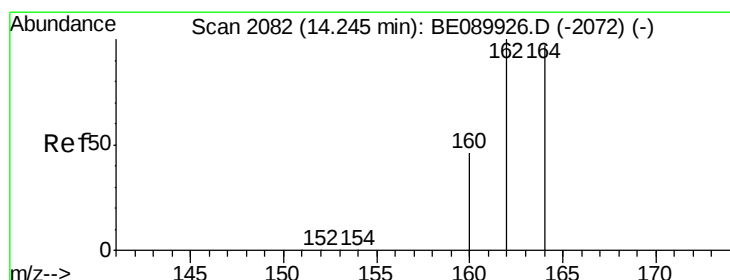
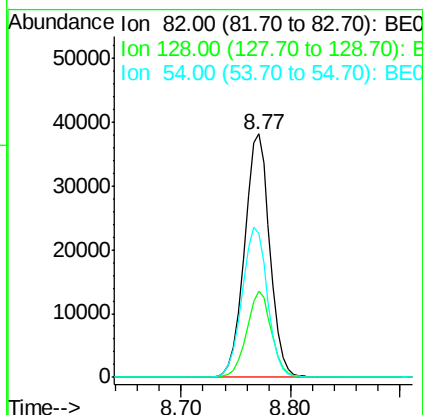
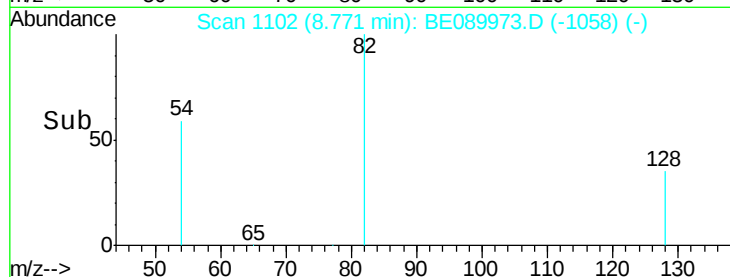
82 100

128 35.2 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: BE089973.D

Acq: 27 Jun 2015 12:56

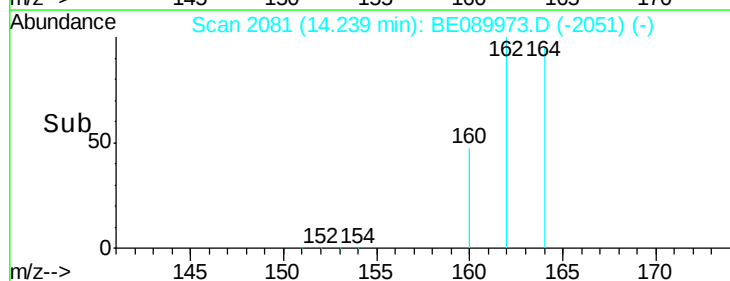
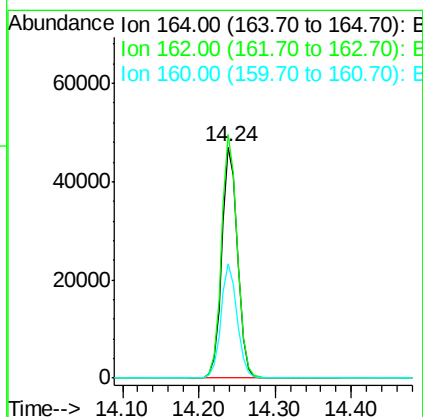
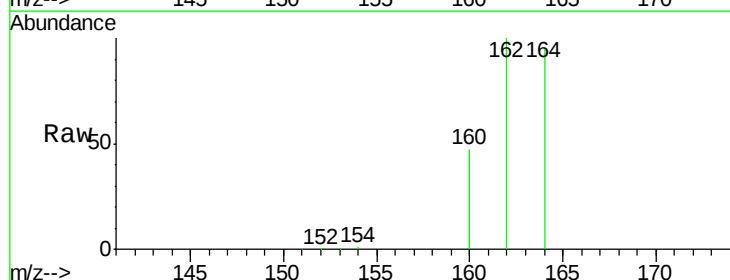
Tgt Ion: 164 Resp: 67070

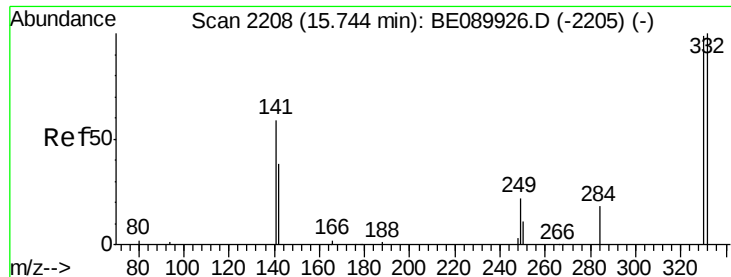
Ion Ratio Lower Upper

164 100

162 105.3 82.7 124.1

160 49.6 38.3 57.5





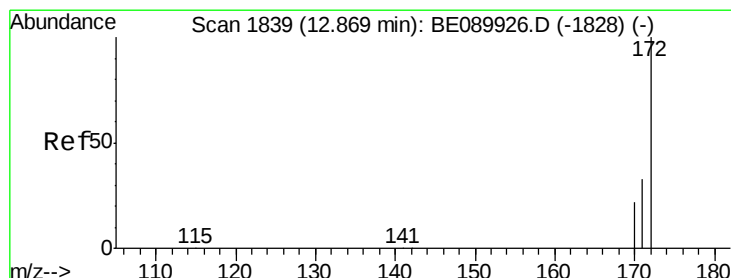
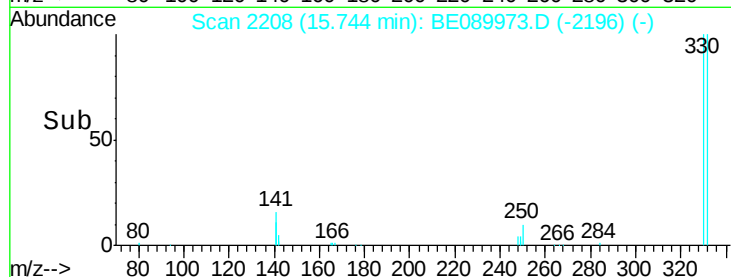
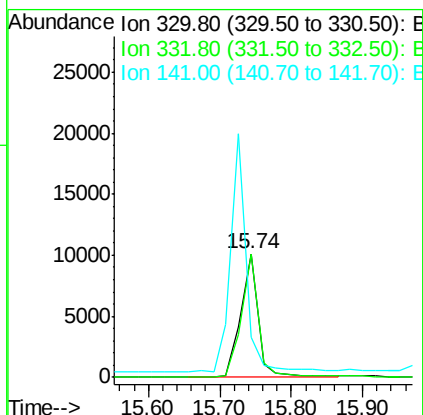
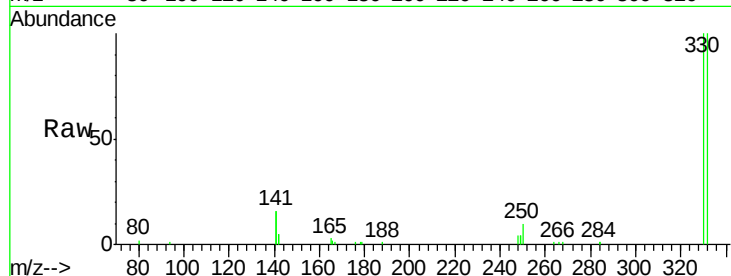
#13
 2,4,6-Tribromophenol
 Concen: 13.95 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.9	116.9
141	178.0	142.8	214.2

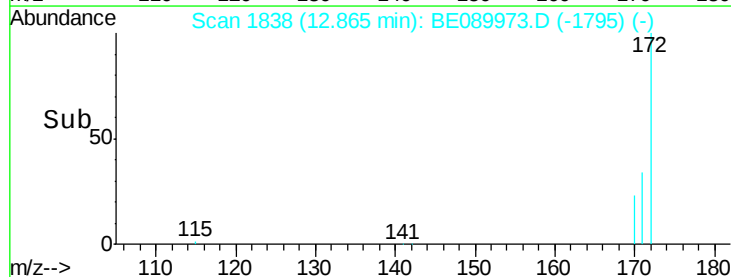
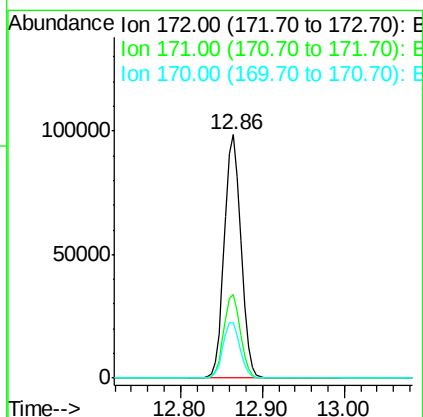
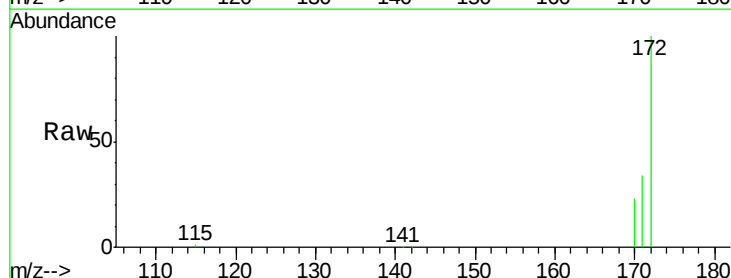
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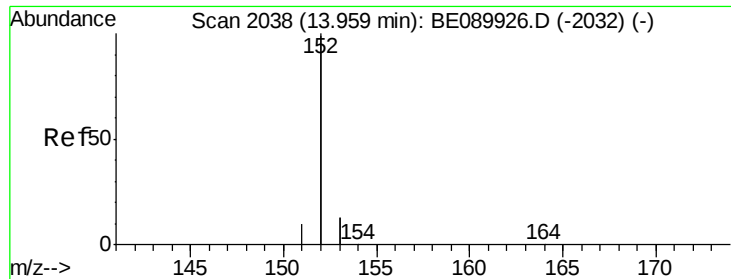
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#14
 2-Fluorobiphenyl
 Concen: 7.08 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	26.7	40.1
170	22.6	17.5	26.3





#15

Acenaphthylene

Concen: 0.04 ng

RT: 13.95 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

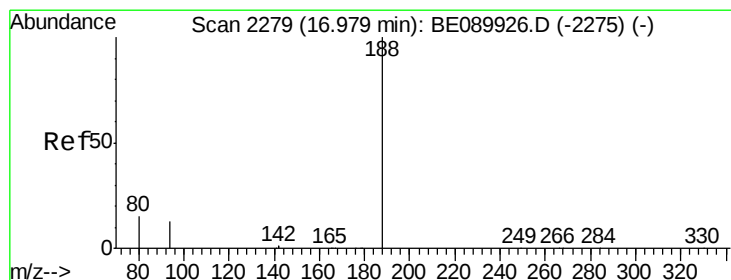
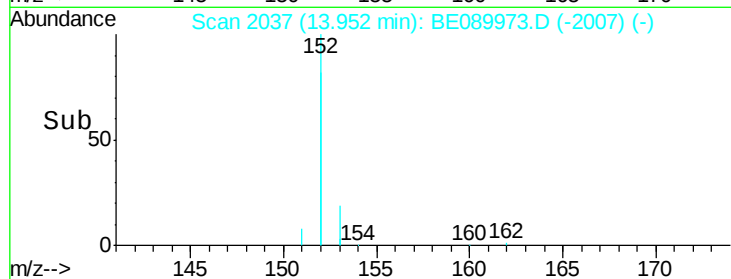
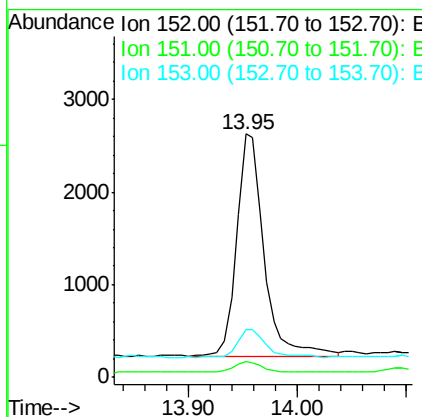
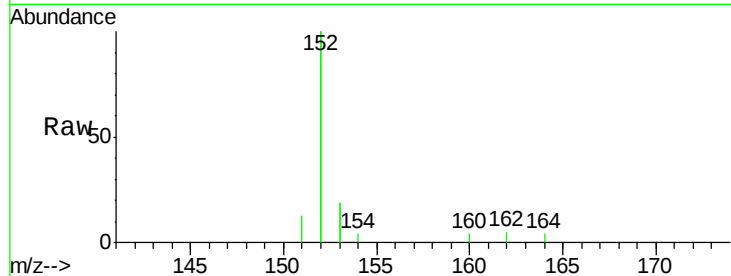
ClientSampleId :

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Tgt Ion:	152	Resp:	4175
Ion Ratio	Lower	Upper	
152	100		
151	5.1	3.9	5.9
153	14.7	10.4	15.6

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#18

Phenanthrene-d10

Concen: 5.00 ng

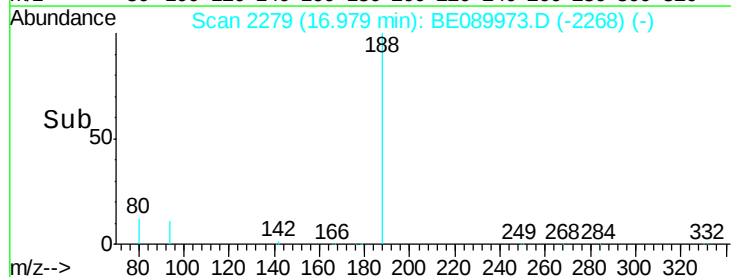
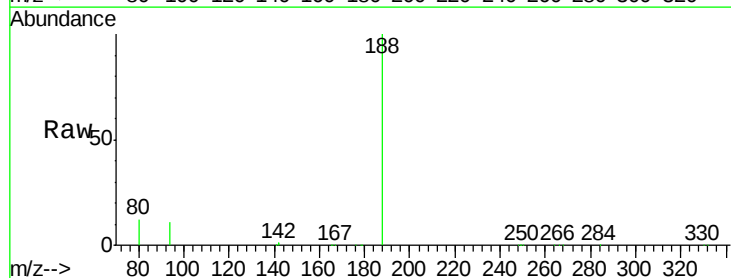
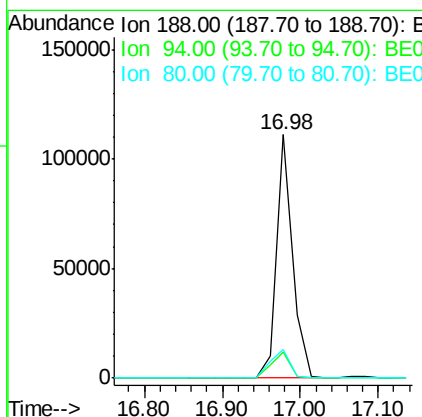
RT: 16.98 min Scan# 2279

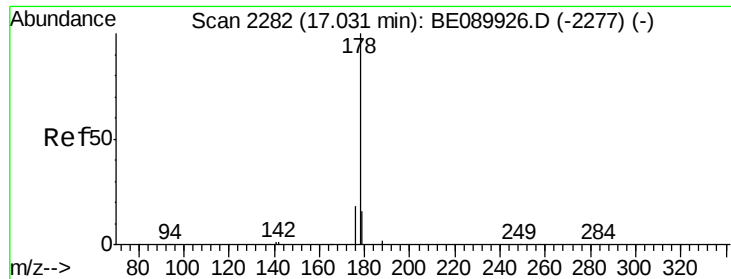
Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Tgt Ion:	188	Resp:	158225
Ion Ratio	Lower	Upper	
188	100		
94	10.7	10.6	16.0
80	11.8	11.8	17.6#





#22

Phenanthrene

Concen: 0.06 ng m

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

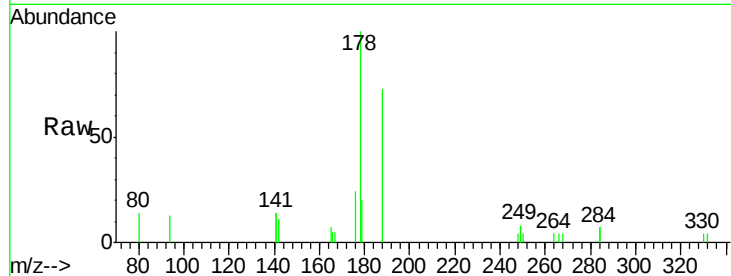
ClientSampleId :

X3SS0210006-150624

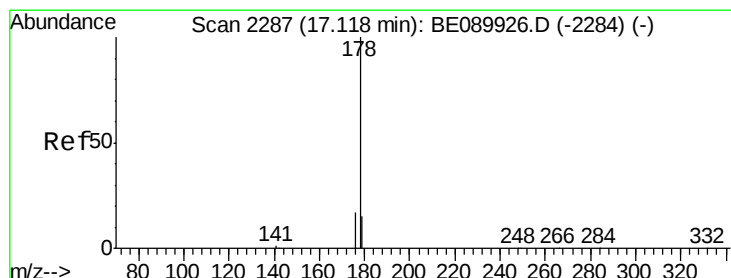
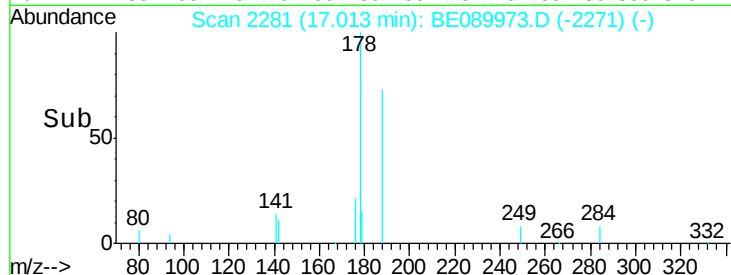
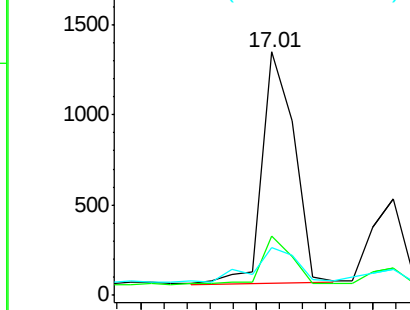
Tgt Ion:	178	Resp:	2459
Ion Ratio	Lower	Upper	
178	100		
176	7.1	15.4	23.2#
179	5.7	12.6	19.0#

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#23

Anthracene

Concen: 0.02 ng

RT: 17.12 min Scan# 2287

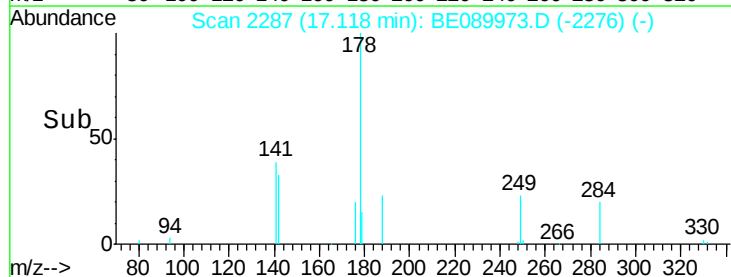
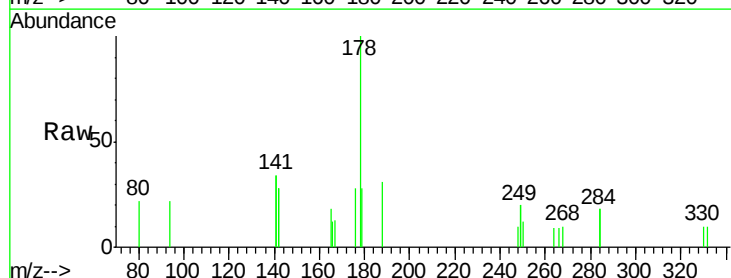
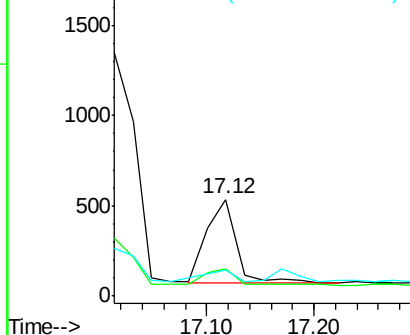
Delta R.T. -0.00 min

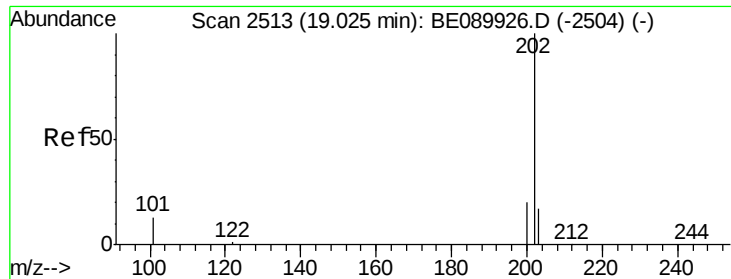
Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Tgt Ion:	178	Resp:	888
Ion Ratio	Lower	Upper	
178	100		
176	23.5	14.6	21.8#
179	15.9	12.3	18.5

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.22 ng

RT: 19.02 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BE089973.D

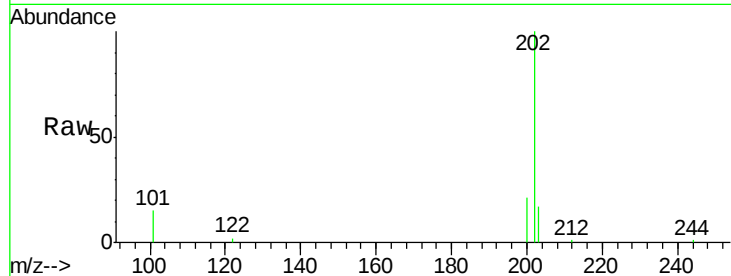
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

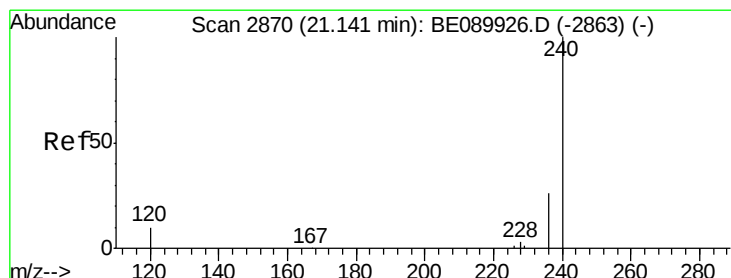
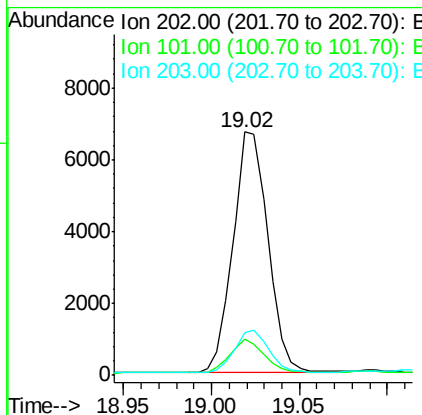
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	10.6	16.0
203	17.2	13.8	20.8

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#25

Chrysene-d12

Concen: 5.00 ng

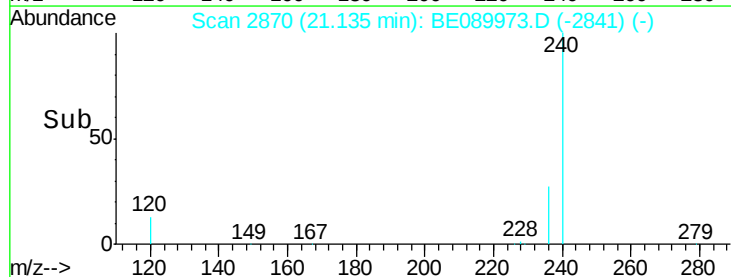
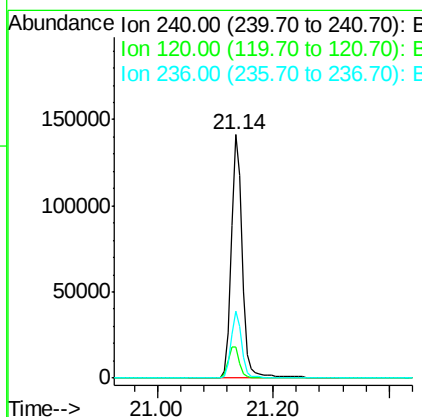
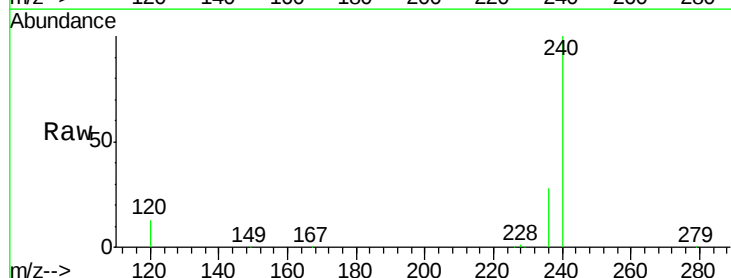
RT: 21.14 min Scan# 2870

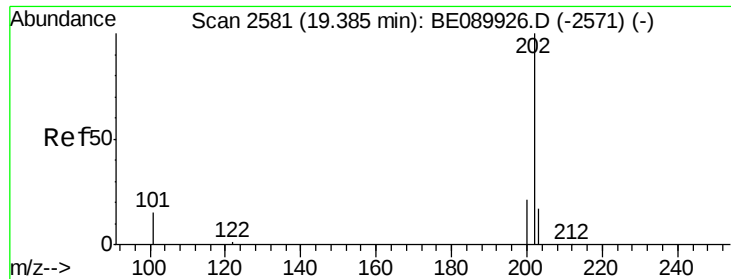
Delta R.T. -0.01 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	7.9	11.9#
236	27.5	21.2	31.8





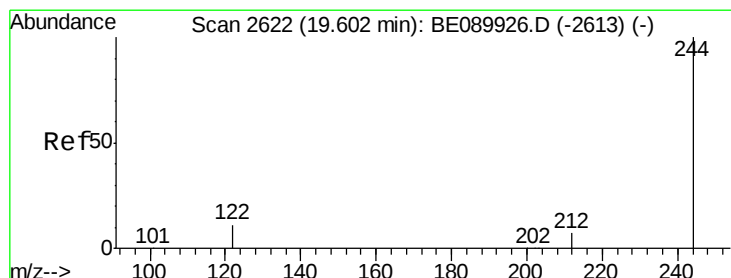
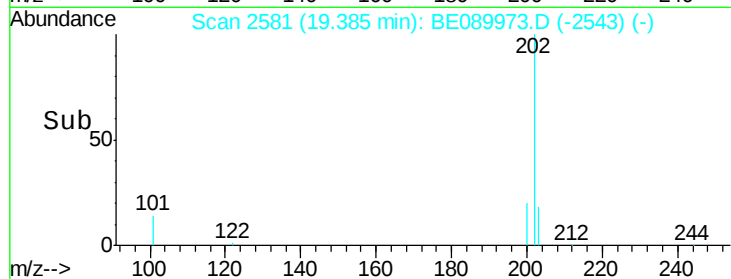
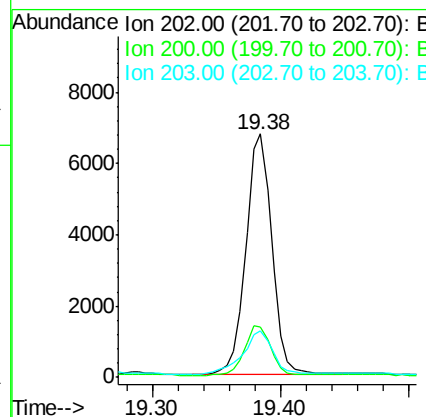
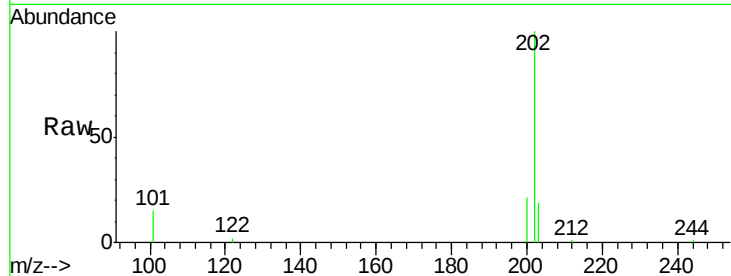
#26
 Pyrene
 Concen: 0.20 ng
 RT: 19.38 min Scan# 2581
 Delta R.T. -0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	9499		
200	21.0		16.6	25.0
203	20.6		13.9	20.9

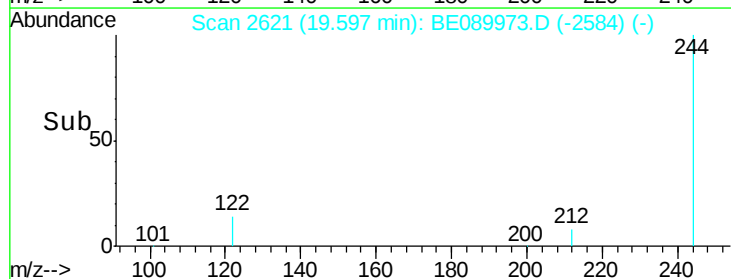
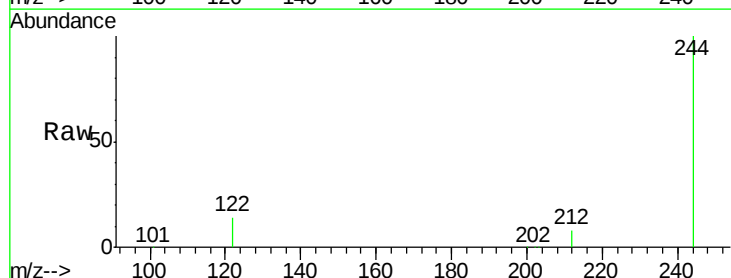
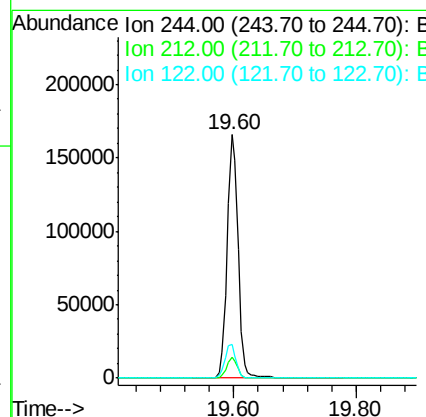
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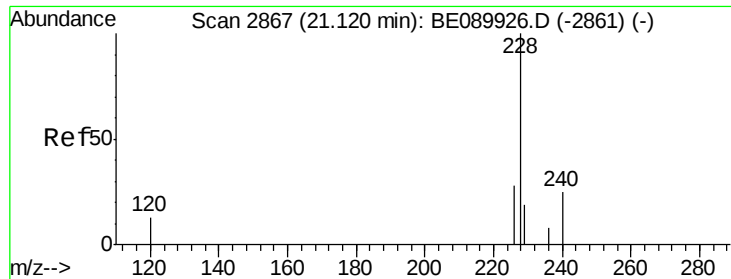
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#27
 Terphenyl-d14
 Concen: 6.38 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	209089		
212	8.4		6.1	9.1
122	13.8		8.7	13.1#





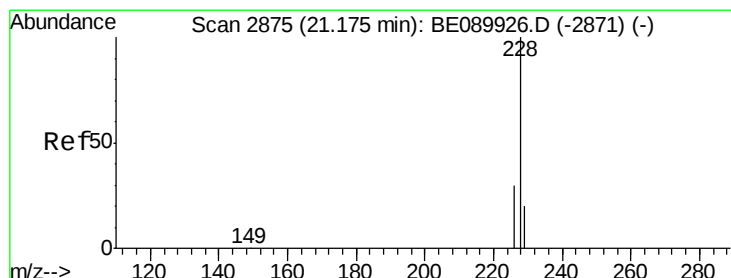
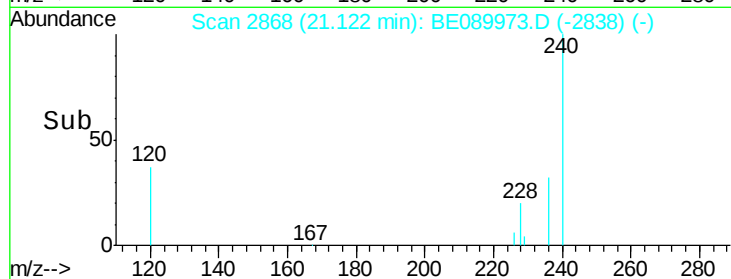
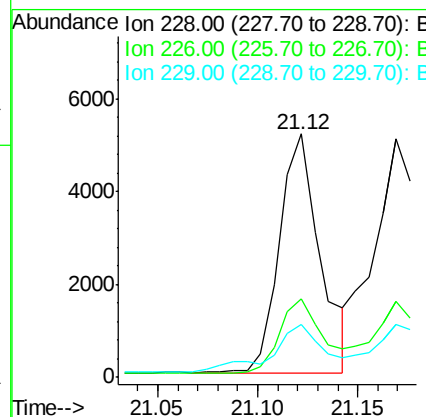
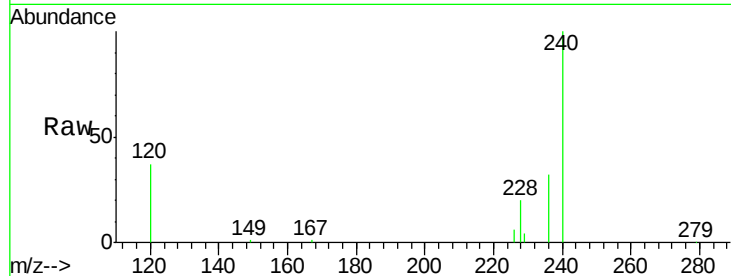
#28
Benzo(a)anthracene
Concen: 0.16 ng
RT: 21.12 min Scan# 2868
Delta R.T. 0.00 min
Lab File: BE089973.D
Acq: 27 Jun 2015 12:56

Instrument :
BNA_E
ClientSampleId :
X3SS0210006-150624

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.2	33.4
229	21.8	15.3	22.9

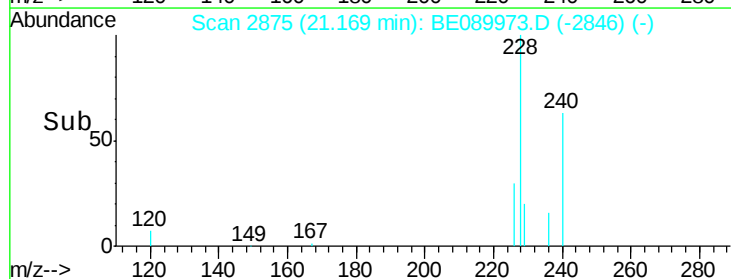
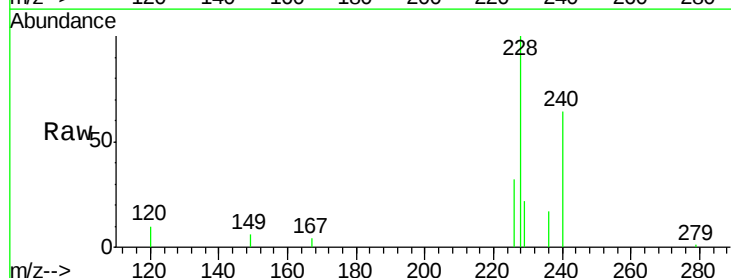
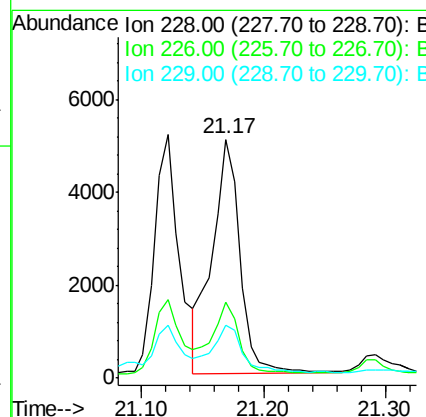
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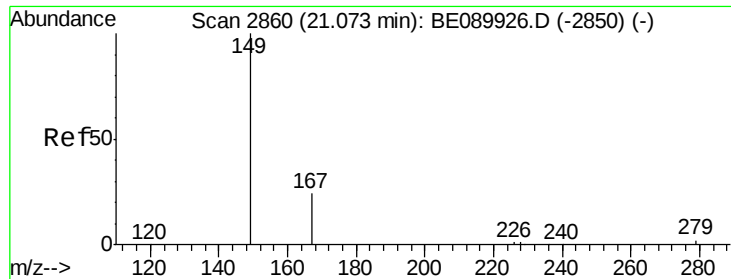
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#29
Chrysene
Concen: 0.16 ng
RT: 21.17 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BE089973.D
Acq: 27 Jun 2015 12:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.7	35.5
229	22.0	15.8	23.8





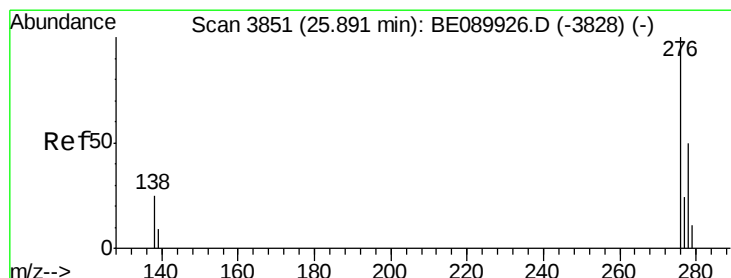
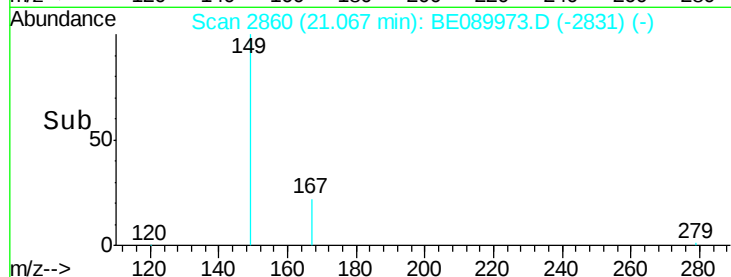
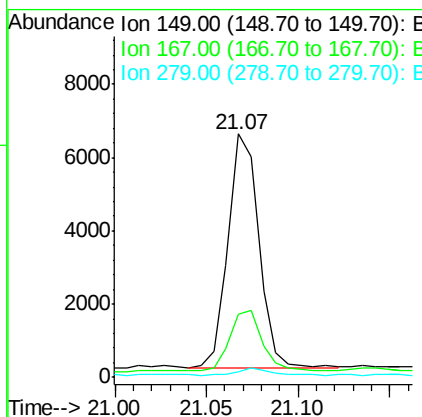
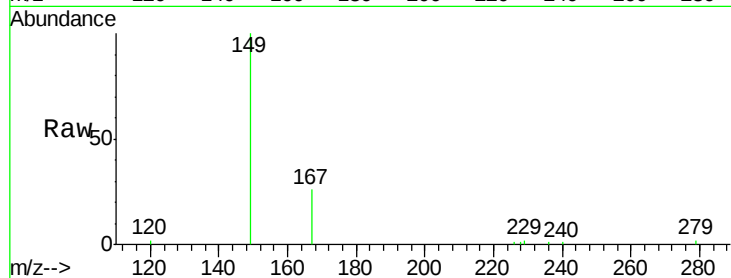
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.90 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0210006-150624

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.3	30.5
279	2.9	2.7	4.1

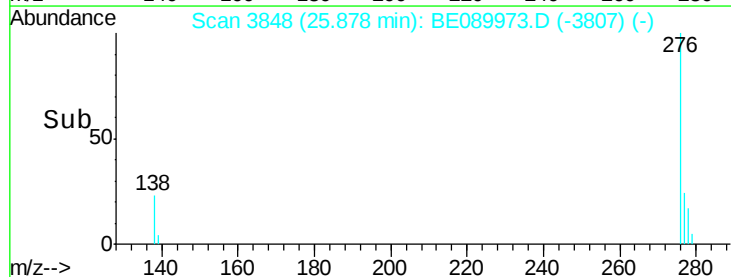
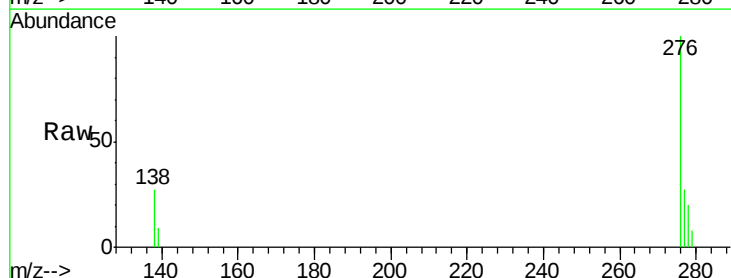
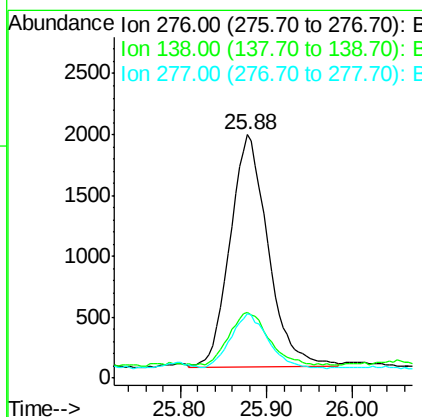
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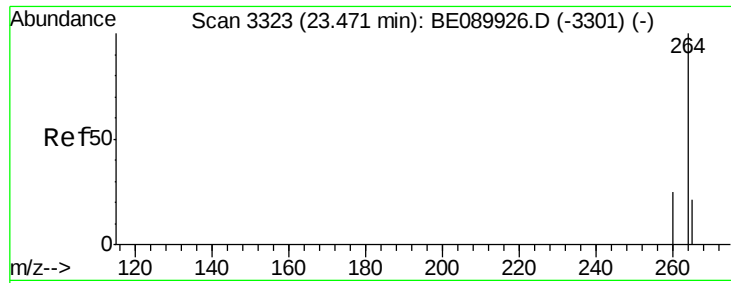
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#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.16 ng
 RT: 25.88 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BE089973.D
 Acq: 27 Jun 2015 12:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	0.0	0.0#
277	23.6	0.0	0.0#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3323

Delta R.T. -0.00 min

Lab File: BE089973.D

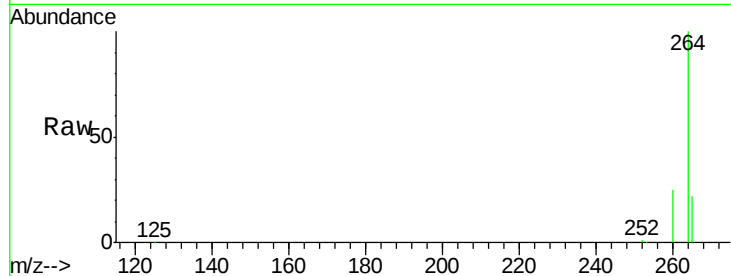
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

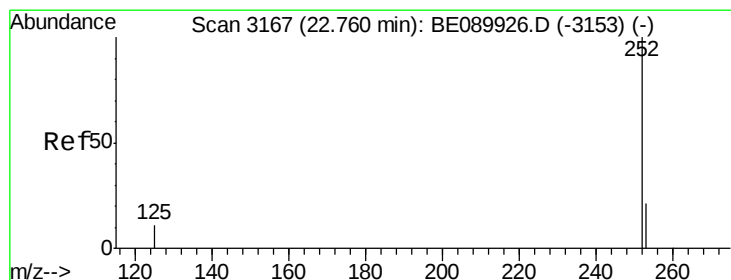
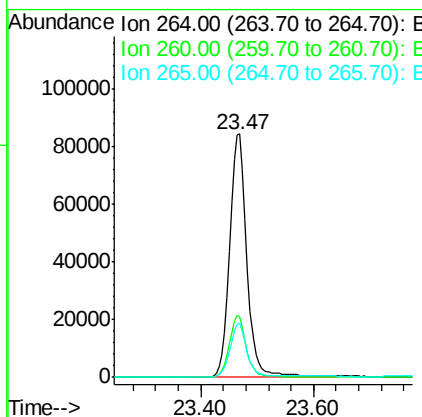
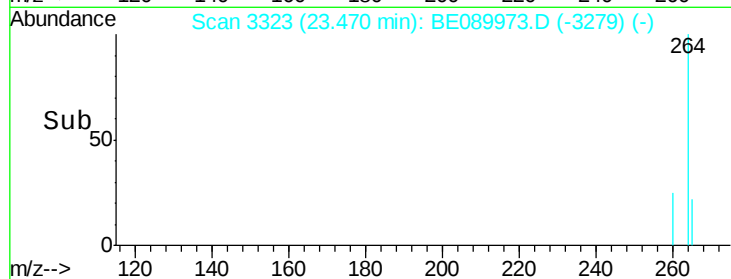
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Tgt Ion	Ratio	Resp	Lower	Upper
264	100	176560		
260	24.8	19.8	29.6	
265	22.2	17.3	25.9	

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#33

Benzo(b)fluoranthene

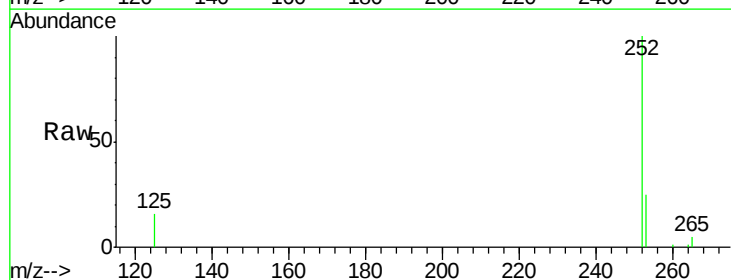
Concen: 0.30 ng

RT: 22.75 min Scan# 3166

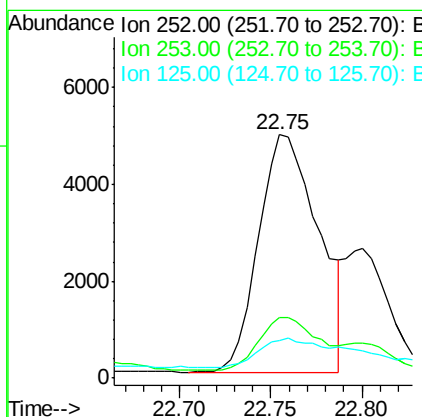
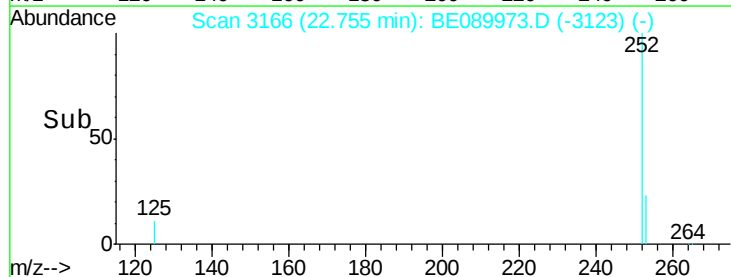
Delta R.T. -0.01 min

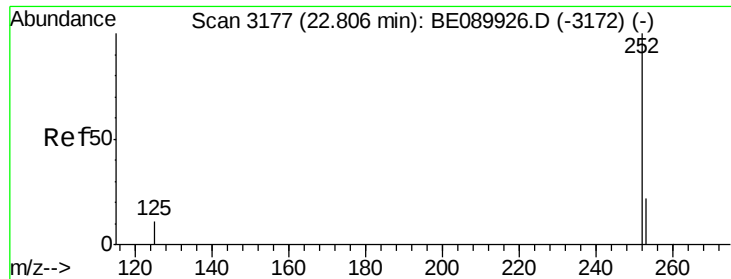
Lab File: BE089973.D

Acq: 27 Jun 2015 12:56



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	11276		
253	25.0	17.3	25.9	
125	15.6	9.3	13.9	





#34

Benzo(k)fluoranthene

Concen: 0.11 ng m

RT: 22.80 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE089973.D

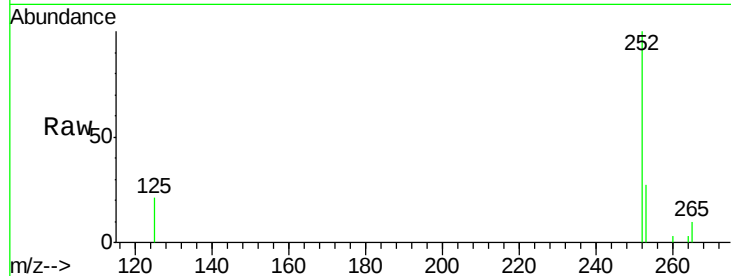
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

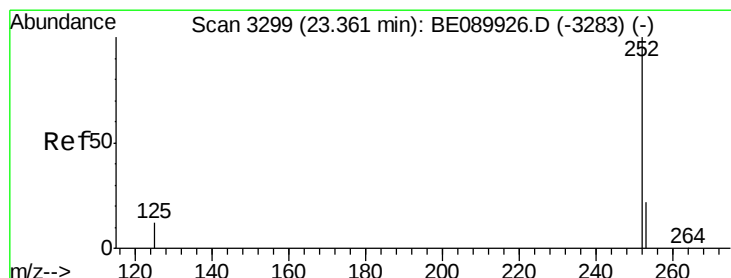
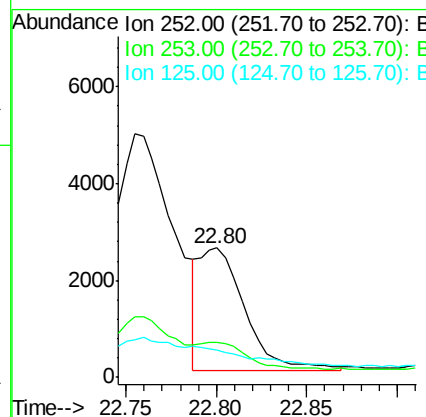
X3SS0210006-150624



Tgt Ion:	252	Resp:	4465
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.9	26.9#
125	21.5	9.2	13.8#

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#35

Benzo(a)pyrene

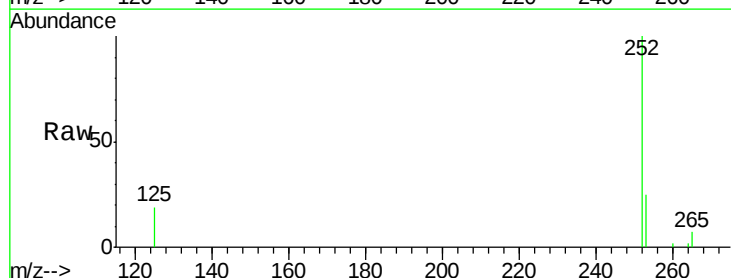
Concen: 0.21 ng

RT: 23.36 min Scan# 3298

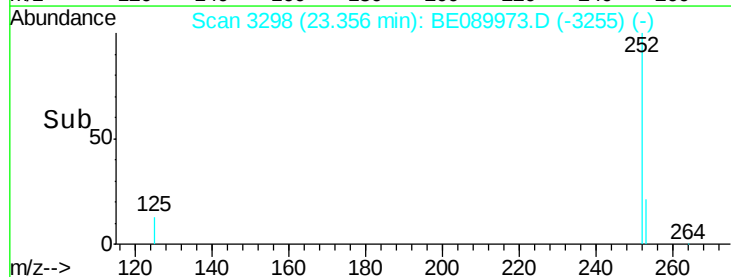
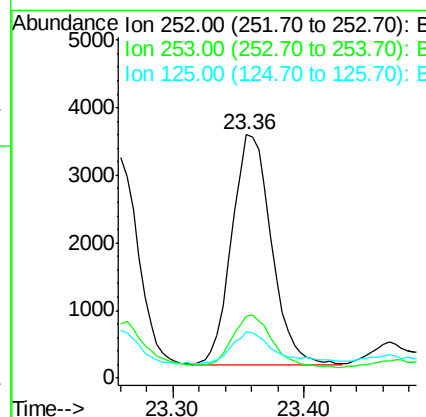
Delta R.T. -0.01 min

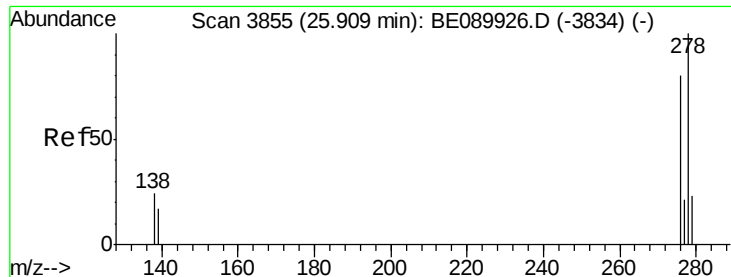
Lab File: BE089973.D

Acq: 27 Jun 2015 12:56



Tgt Ion:	252	Resp:	7135
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.8	26.6
125	18.9	10.3	15.5#





#36

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.89 min Scan# 3850

Delta R.T. -0.02 min

Lab File: BE089973.D

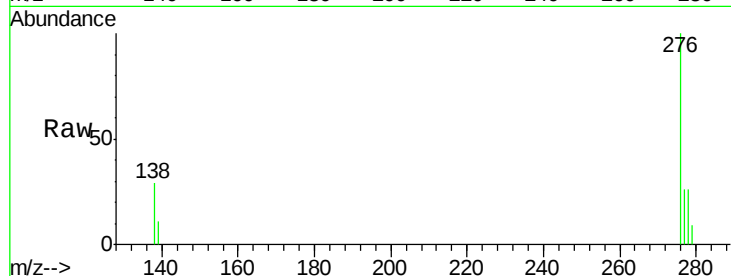
Acq: 27 Jun 2015 12:56

Instrument :

BNA_E

ClientSampleId :

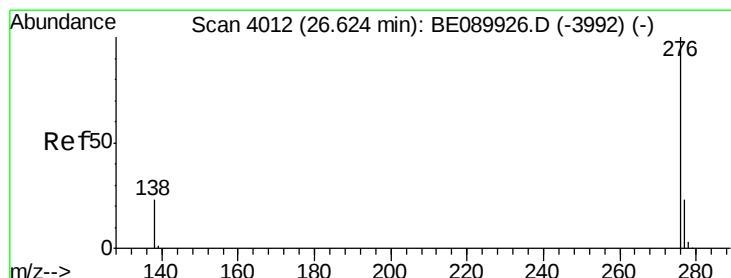
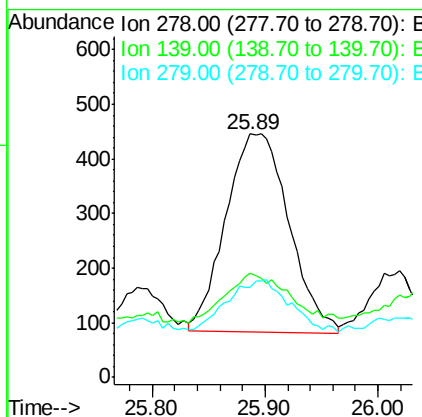
X3SS0210006-150624



Tgt Ion:	278	Resp:	1394
Ion Ratio	Lower	Upper	
278	100		
139	42.8	14.1	21.1#
279	37.0	19.0	28.6#

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#37

Benzo(g,h,i)perylene

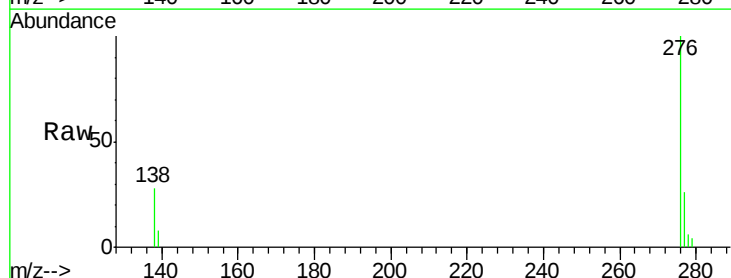
Concen: 0.20 ng

RT: 26.62 min Scan# 4011

Delta R.T. -0.00 min

Lab File: BE089973.D

Acq: 27 Jun 2015 12:56



Tgt Ion:	276	Resp:	6592
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.0	28.4
138	27.5	18.8	28.2

