

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089974.D
 Acq On : 27 Jun 2015 13:31
 Operator : TP/IZ
 Sample : G2782-18 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0200006-150624

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Quant Time: Jun 29 01:42:18 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	24969	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	123866	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	72842	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	172817	5.00	ng	0.00
25) Chrysene-d12	21.14	240	194119	5.00	ng	0.00
32) Perylene-d12	23.47	264	176305	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	30202	6.70	ng	0.00
5) Phenol-d6	6.81	99	55864	8.09	ng	0.00
7) Nitrobenzene-d5	8.77	82	34264	3.72	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	10172	7.92	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	83160	3.92	ng	0.00
27) Terphenyl-d14	19.60	244	121316	3.62	ng	0.00
Target Compounds						
15) Acenaphthylene	13.96	152	3028	0.02	ng	Qvalue 98
22) Phenanthrene	17.01	178	2665	0.06	ng	# 94
24) Fluoranthene	19.02	202	8865	0.19	ng	98
26) Pyrene	19.38	202	9016	0.18	ng	# 93
28) Benzo(a)anthracene	21.12	228	7031	0.15	ng	# 81
29) Chrysene	21.18	228	7908	0.16	ng	# 87
30) Bis(2-ethylhexyl)phthalate	21.07	149	10532	2.66	ng	# 55
31) Indeno(1,2,3-cd)pyrene	25.87	276	4935	0.13	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	10720	0.29	ng	# 87
34) Benzo(k)fluoranthene	22.80	252	3862m	0.09	ng	
35) Benzo(a)pyrene	23.36	252	6385	0.19	ng	# 88
37) Benzo(g,h,i)perylene	26.62	276	5387	0.16	ng	# 88

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

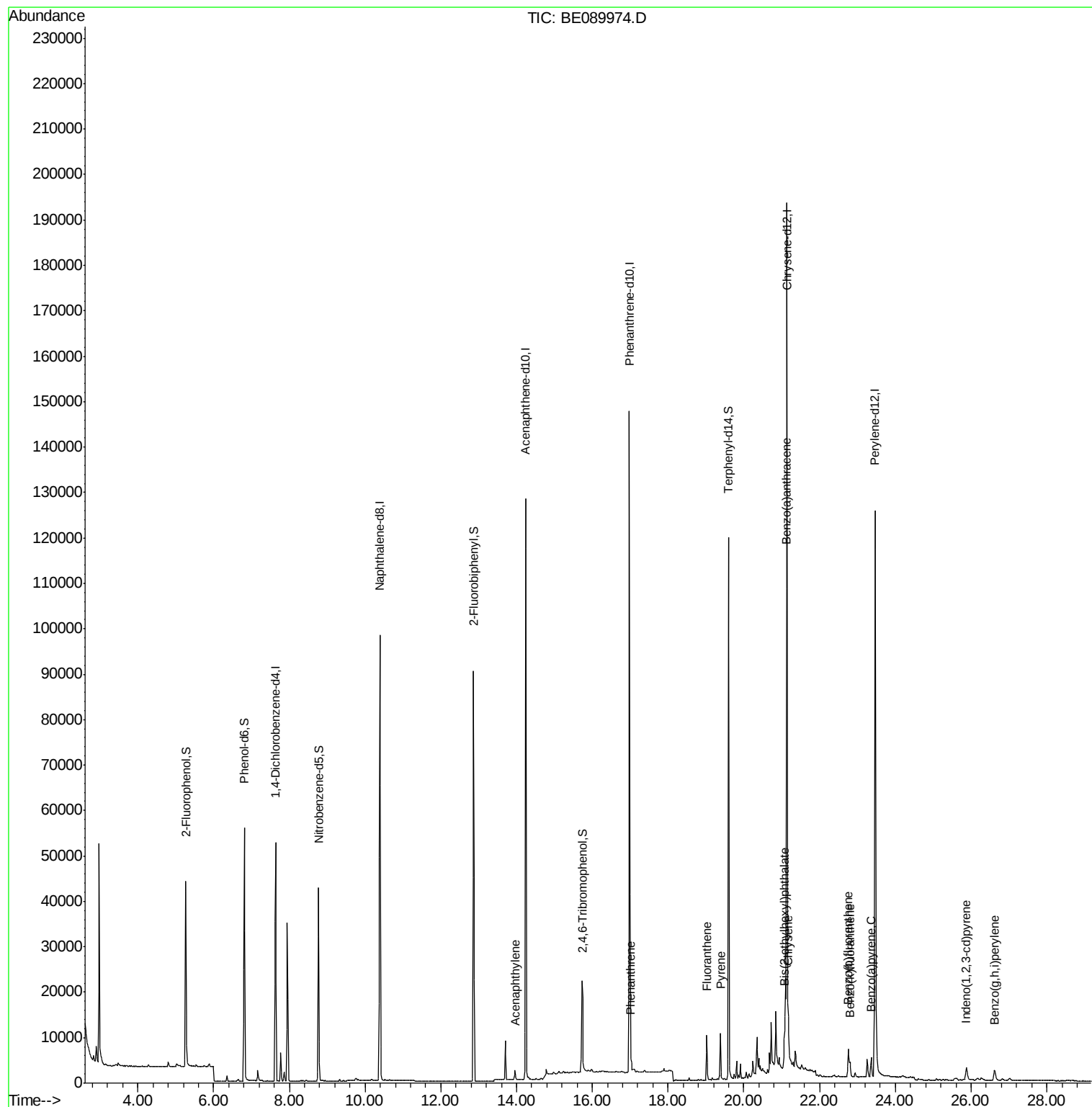
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
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Misc :
ALS Vial : 30 Sample Multiplier: 1

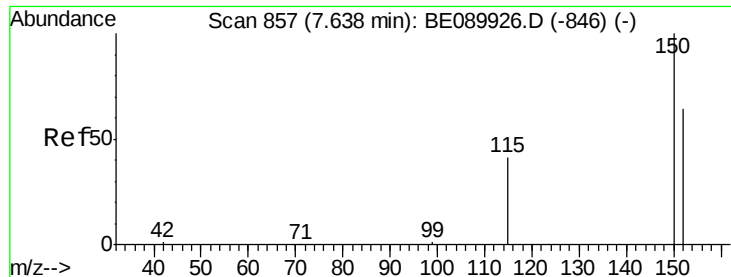
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089974.D

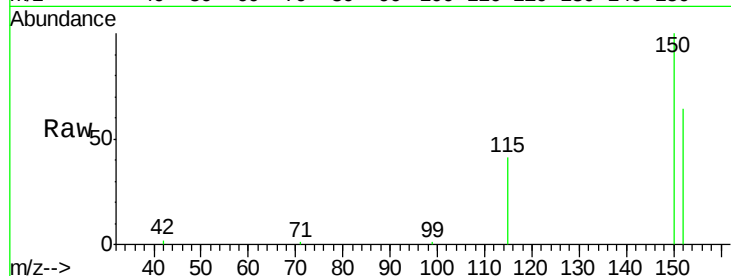
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624



Tgt Ion:152 Resp: 24969

Ion Ratio Lower Upper

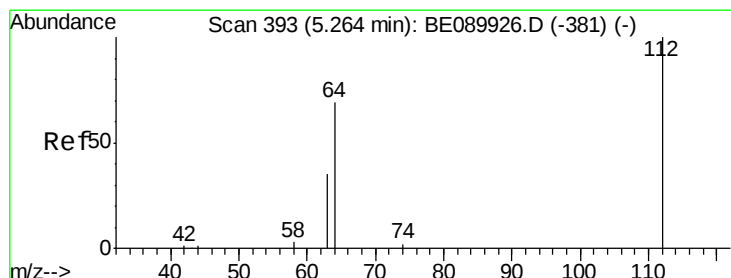
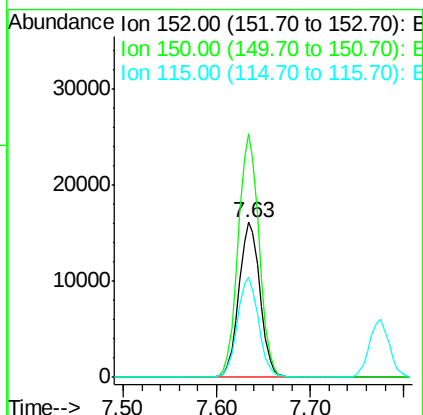
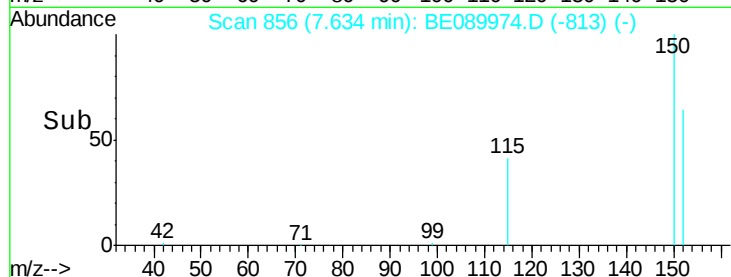
152 100

150 156.9 124.6 186.8

115 64.9 51.6 77.4

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#4

2-Fluorophenol

Concen: 6.70 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

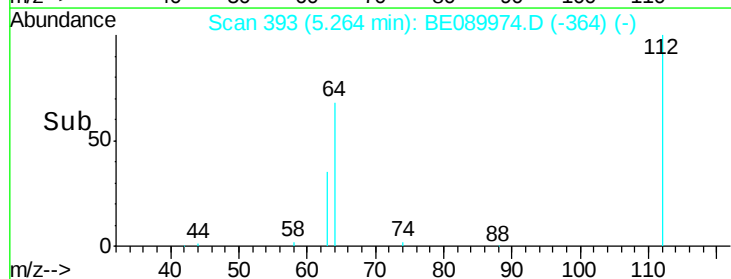
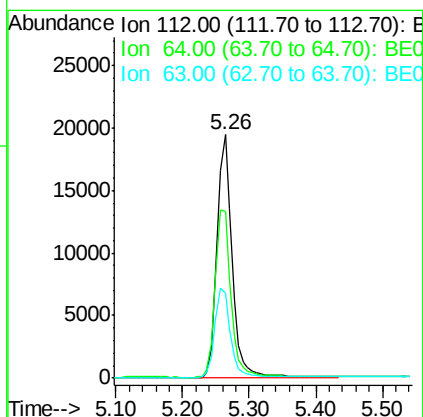
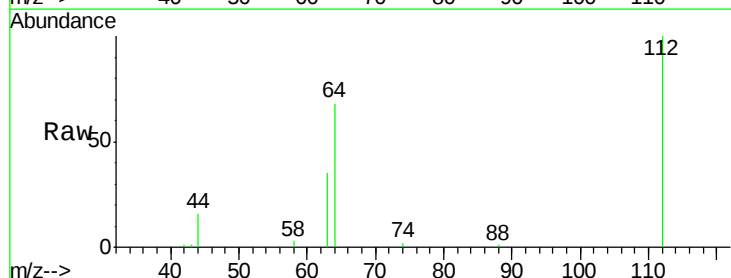
Tgt Ion:112 Resp: 30202

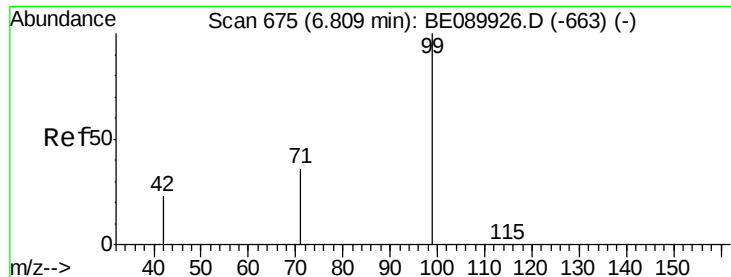
Ion Ratio Lower Upper

112 100

64 72.4 57.4 86.2

63 38.2 31.2 46.8





#5

Phenol-d6

Concen: 8.09 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

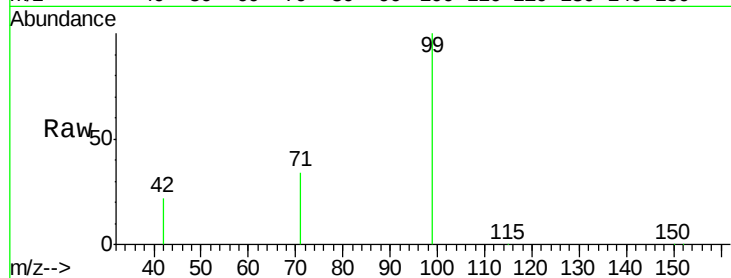
ClientSampleId :

X3SS0200006-150624

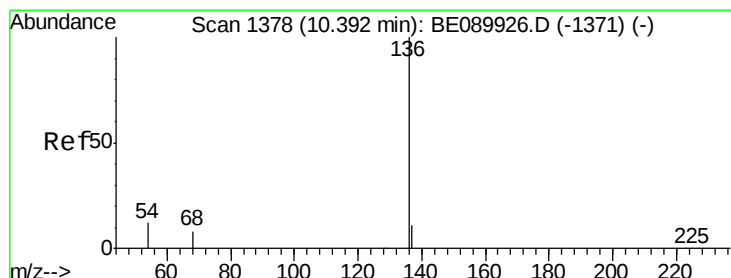
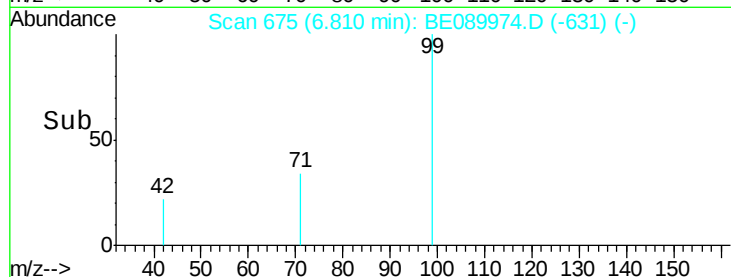
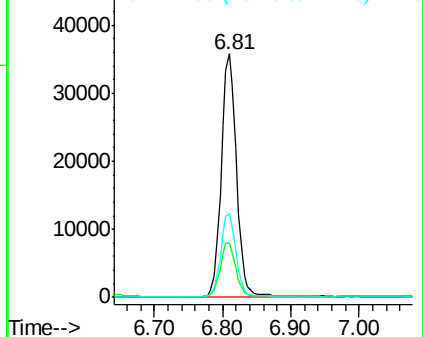
Tgt Ion:	99	Resp:	55864
Ion Ratio	Lower	Upper	
99	100		
42	22.4	19.5	29.3
71	34.3	27.8	41.6

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

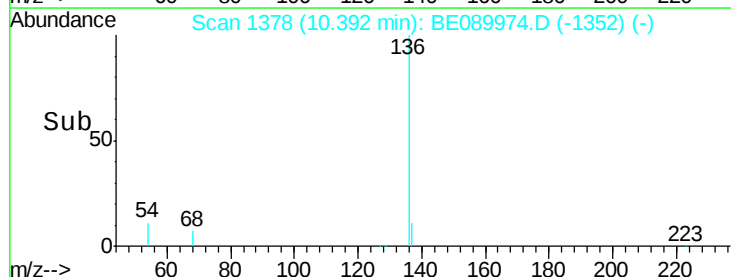
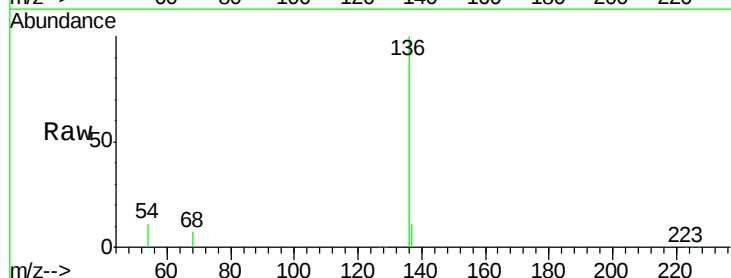
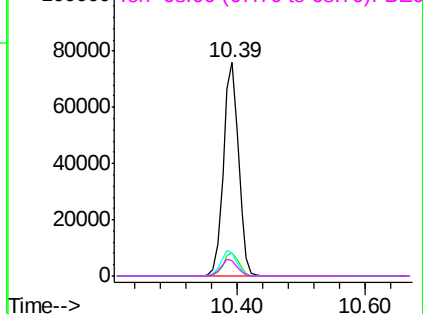
Delta R.T. -0.00 min

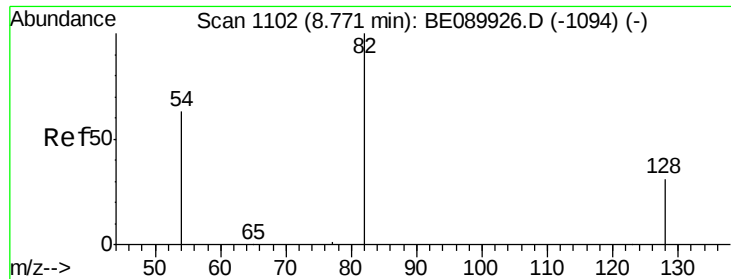
Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion:	136	Resp:	123866
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.8	9.7	14.5
68	7.5	6.5	9.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.72 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089974.D

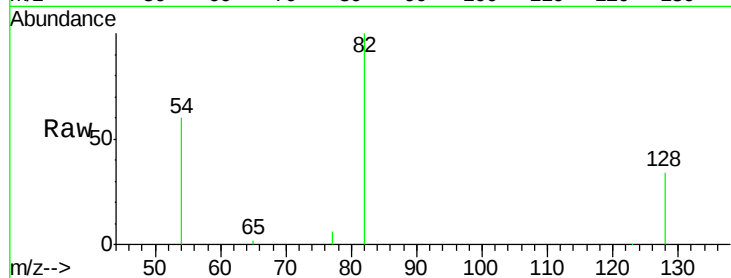
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624



Tgt Ion: 82 Resp: 34264

Ion Ratio Lower Upper

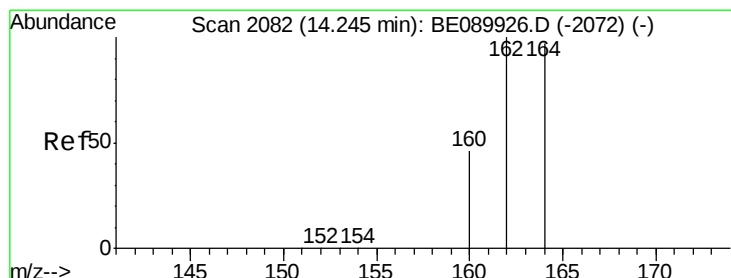
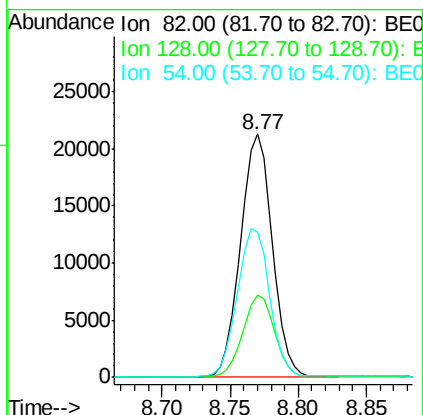
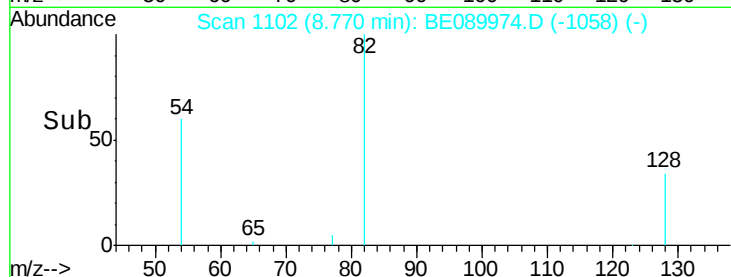
82 100

128 33.8 25.6 38.4

54 59.7 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: BE089974.D

Acq: 27 Jun 2015 13:31

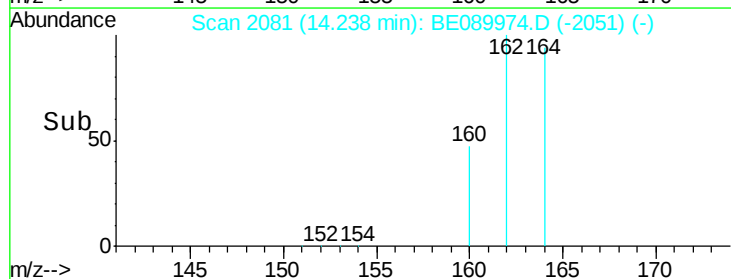
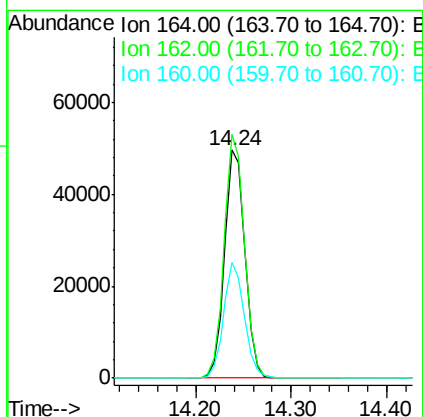
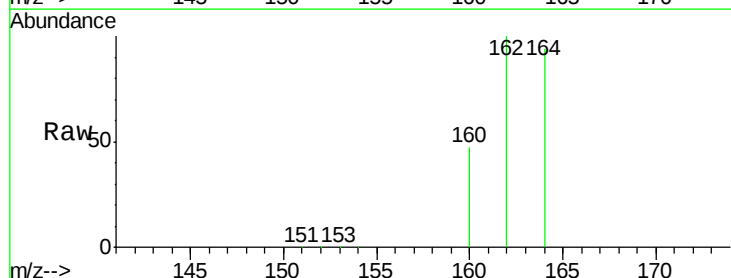
Tgt Ion: 164 Resp: 72842

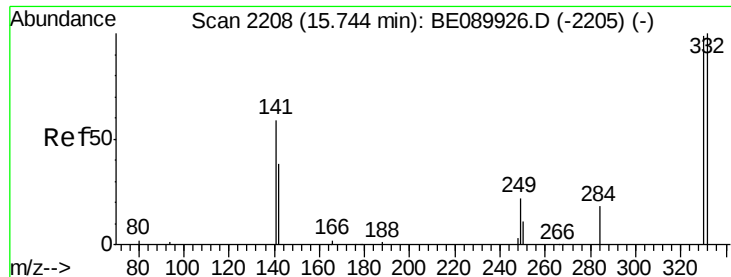
Ion Ratio Lower Upper

164 100

162 106.7 82.7 124.1

160 50.7 38.3 57.5





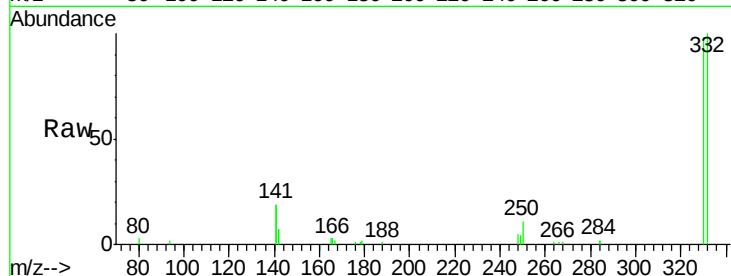
#13
 2,4,6-Tribromophenol
 Concen: 7.92 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089974.D
 Acq: 27 Jun 2015 13:31

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0200006-150624

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.9	116.9
141	175.8	142.8	214.2

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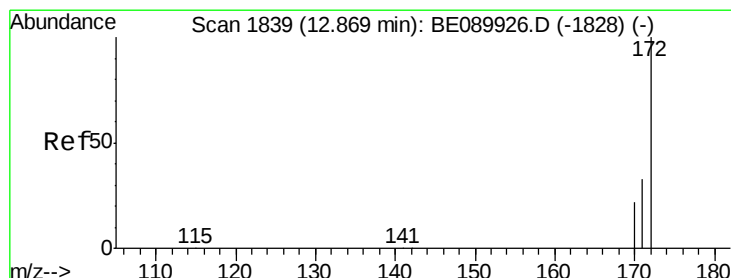
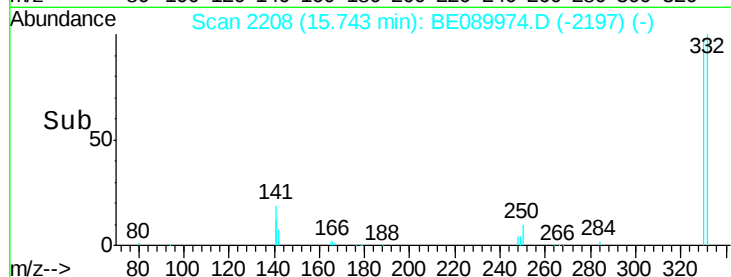
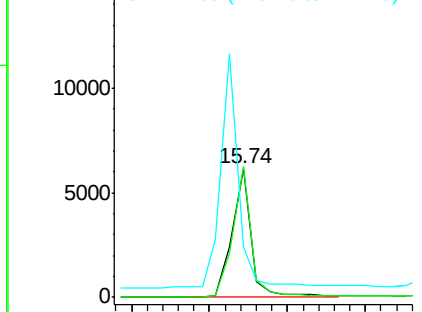


Abundance

Ion 329.80 (329.50 to 330.50): E

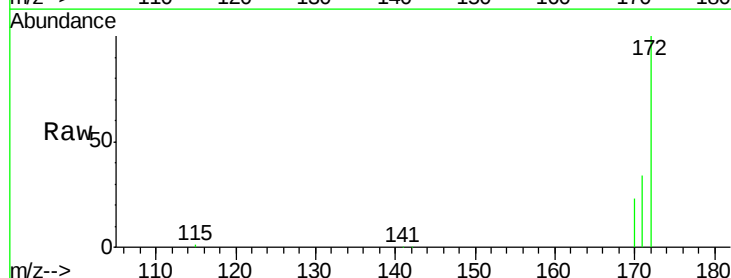
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#14
 2-Fluorobiphenyl
 Concen: 3.92 ng
 RT: 12.87 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089974.D
 Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.7	40.1
170	22.6	17.5	26.3

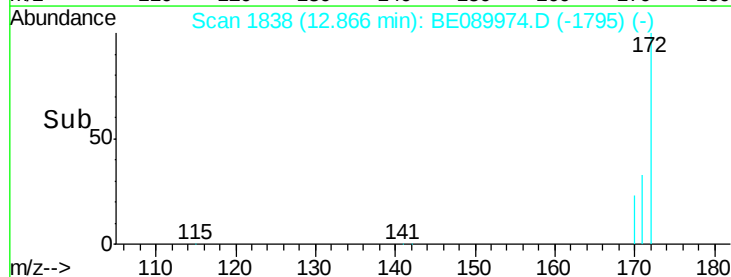
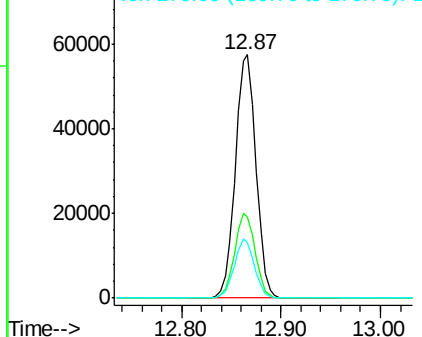


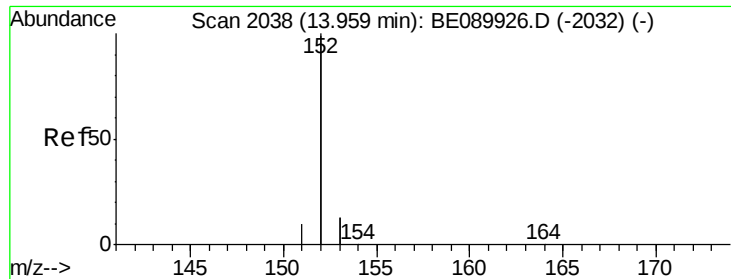
Abundance

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





#15

Acenaphthylene

Concen: 0.02 ng

RT: 13.96 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BE089974.D

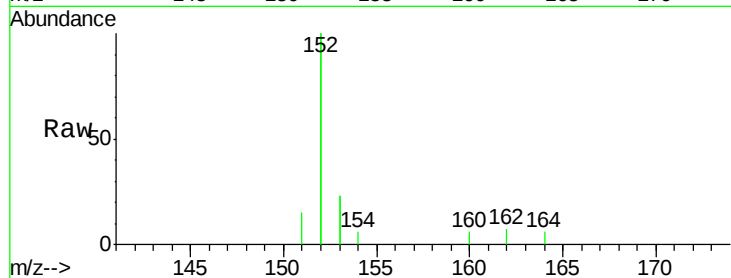
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

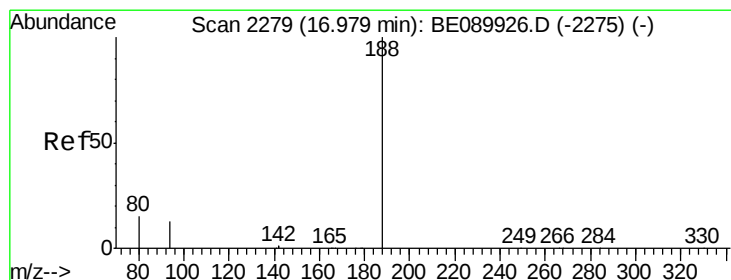
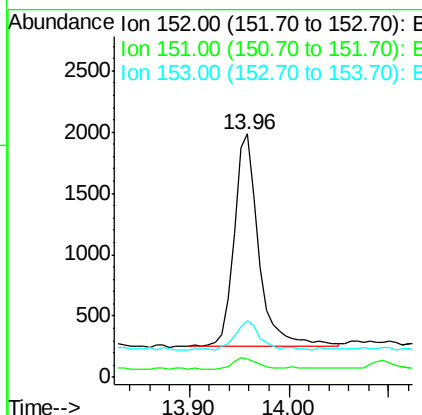
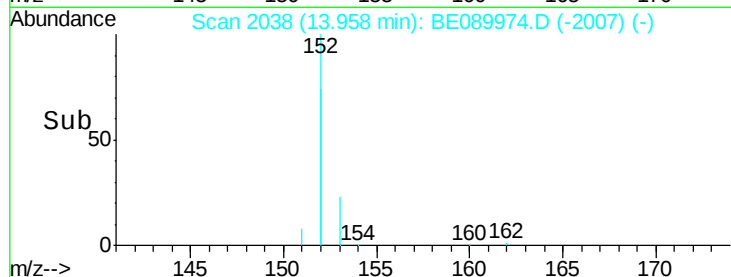
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.9	10.4	15.6

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#18

Phenanthrene-d10

Concen: 5.00 ng

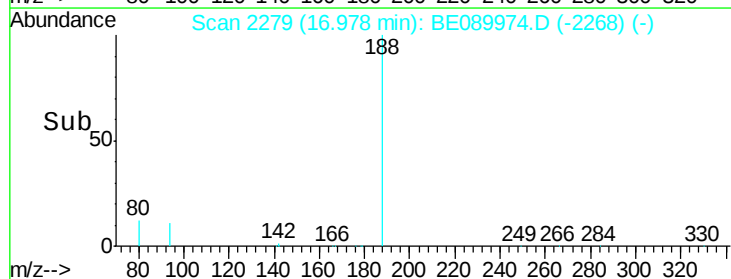
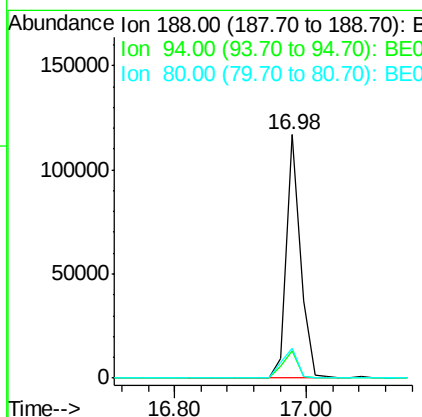
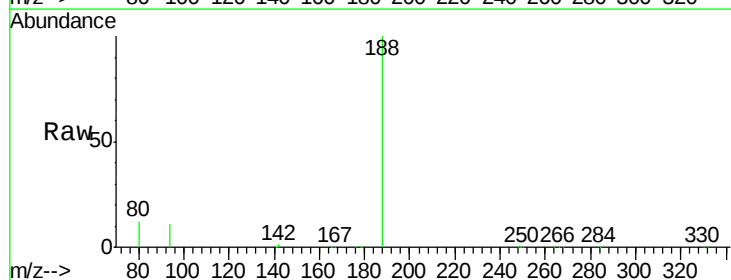
RT: 16.98 min Scan# 2279

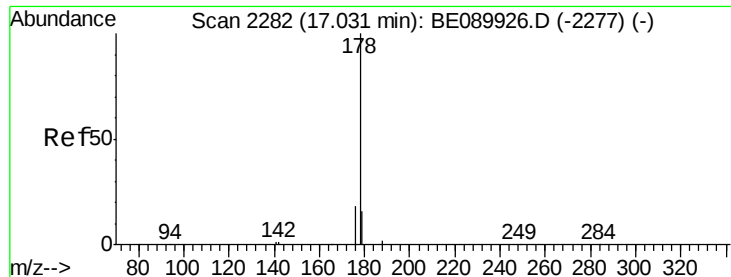
Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.6	16.0
80	12.4	11.8	17.6





#22

Phenanthrene

Concen: 0.06 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089974.D

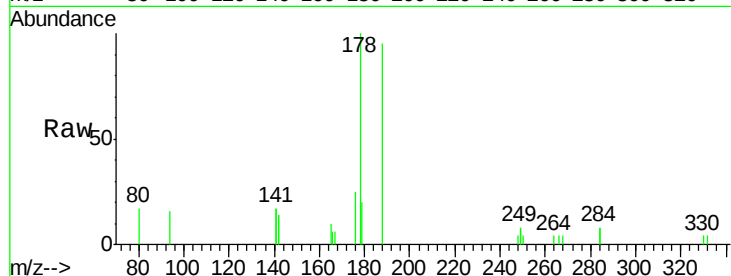
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

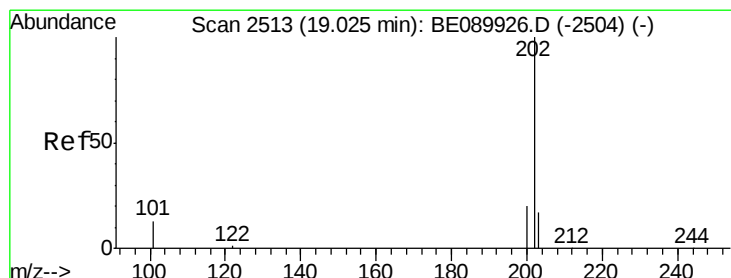
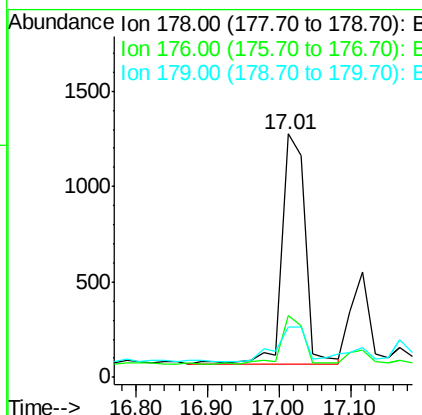
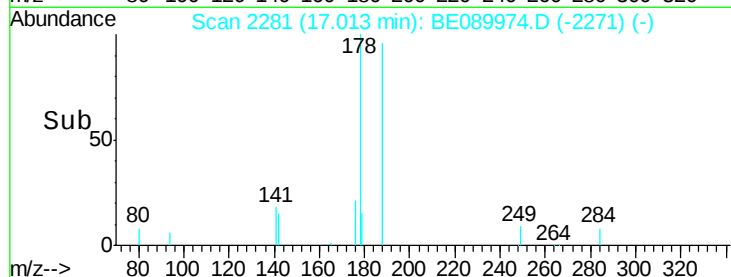
X3SS0200006-150624



Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	20.6	12.6	19.0

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#24

Fluoranthene

Concen: 0.19 ng

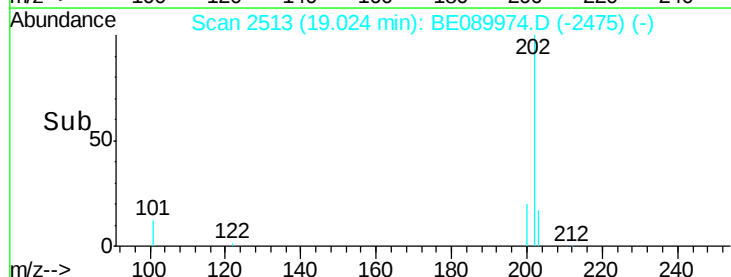
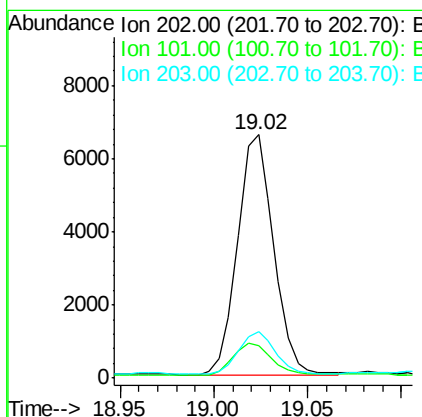
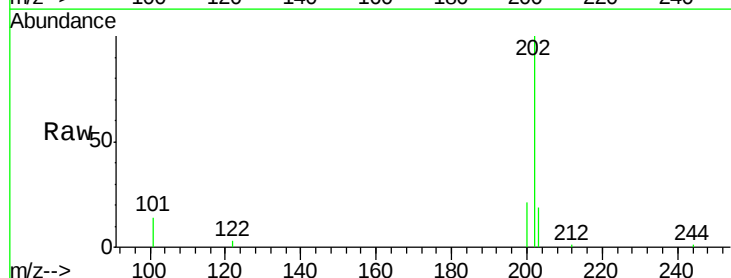
RT: 19.02 min Scan# 2513

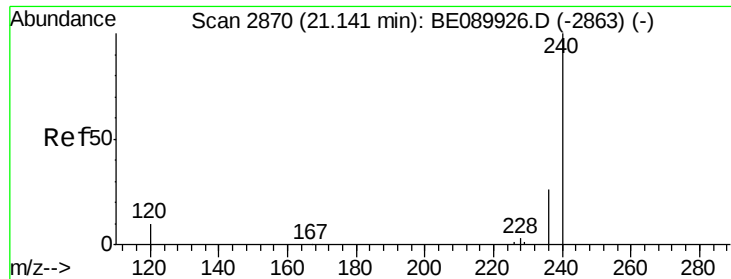
Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.6	16.0
203	17.6	13.8	20.8





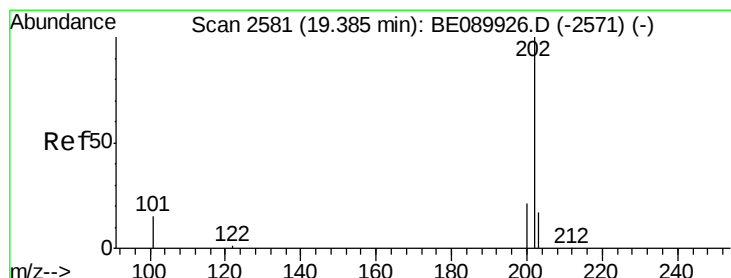
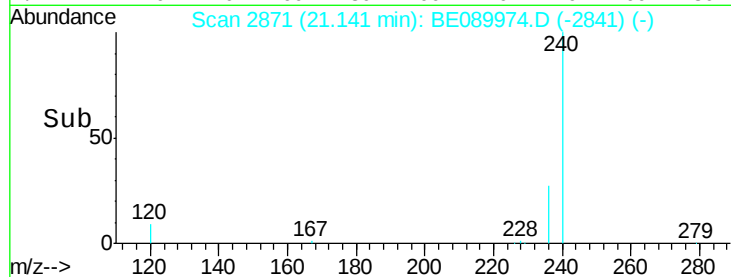
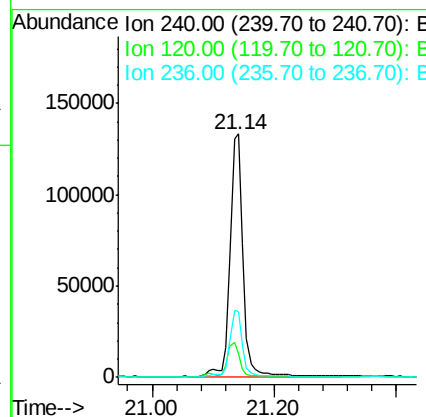
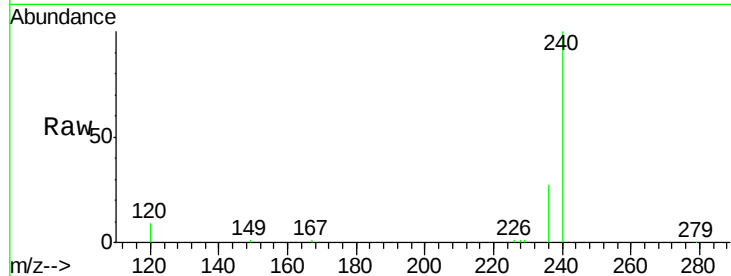
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.14 min Scan# 2871
Delta R.T. 0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Instrument :
BNA_E
ClientSampleId :
X3SS0200006-150624

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	194119		
120	9.4	7.9	11.9	
236	26.8	21.2	31.8	

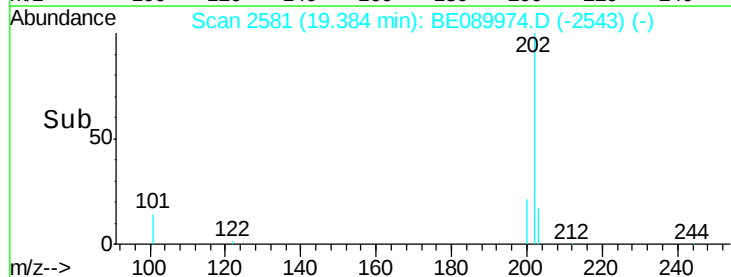
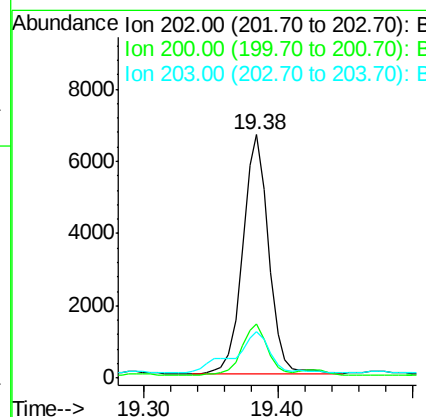
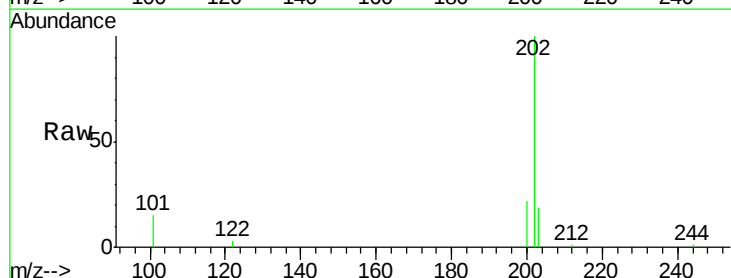
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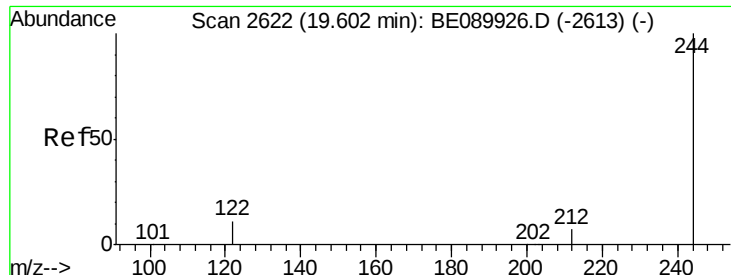
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#26
Pyrene
Concen: 0.18 ng
RT: 19.38 min Scan# 2581
Delta R.T. -0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	9016		
200	21.6	16.6	25.0	
203	23.4	13.9	20.9	





#27

Terphenyl-d14

Concen: 3.62 ng

RT: 19.60 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BE089974.D

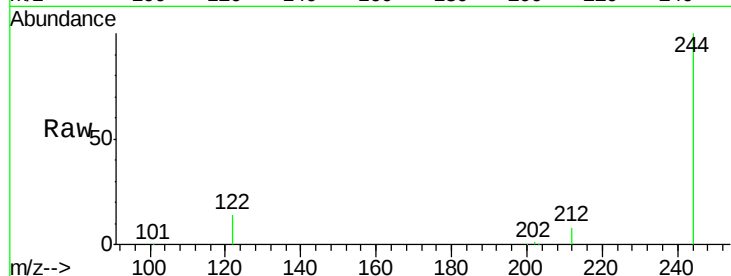
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

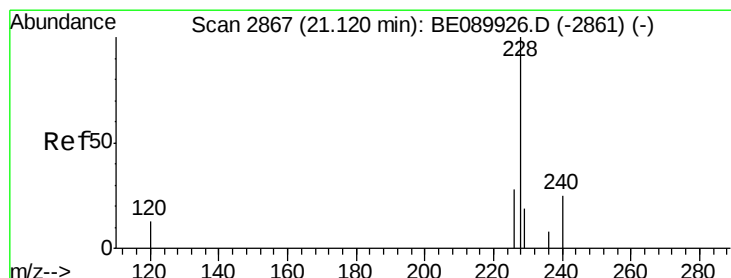
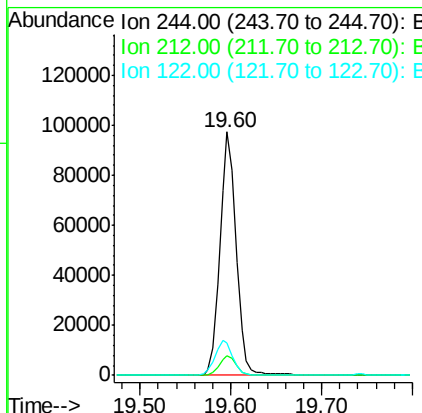
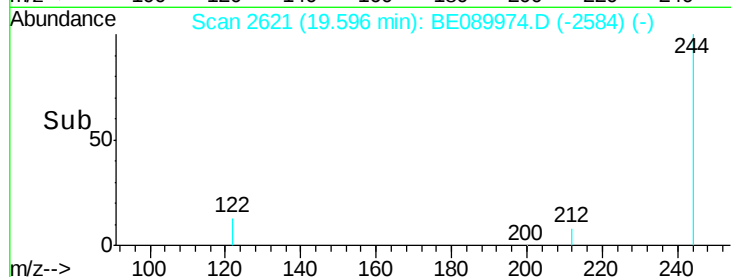
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Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	6.1	9.1	
122	13.6	8.7	13.1	

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#28

Benzo(a)anthracene

Concen: 0.15 ng

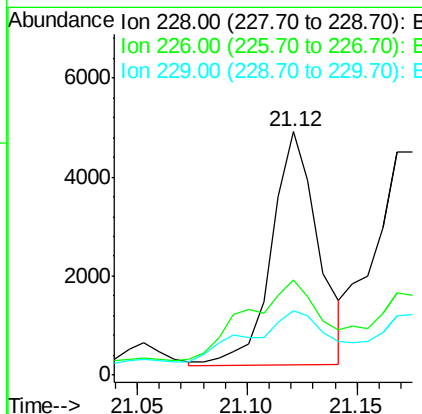
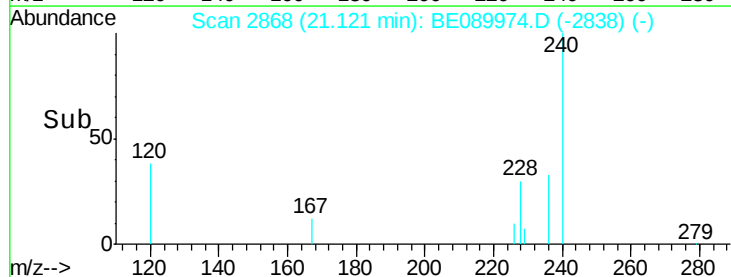
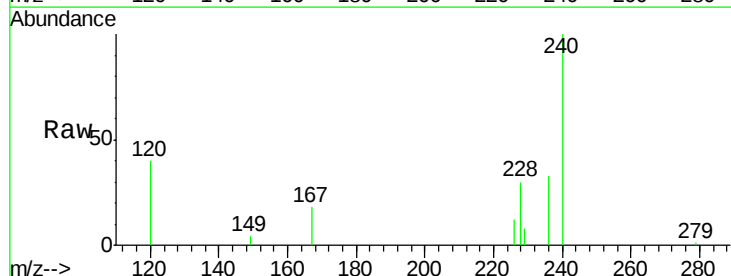
RT: 21.12 min Scan# 2868

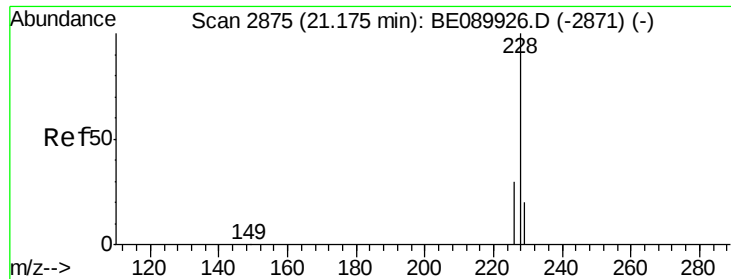
Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	38.9	22.2	33.4	
229	26.3	15.3	22.9	





#29

Chrysene

Concen: 0.16 ng

RT: 21.18 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

X3SS0200006-150624

Tgt Ion:228 Resp: 7908

Ion Ratio Lower Upper

228 100

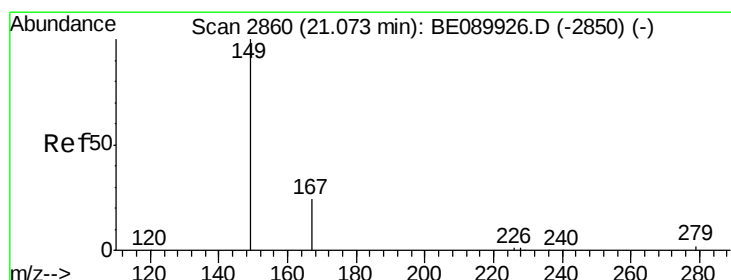
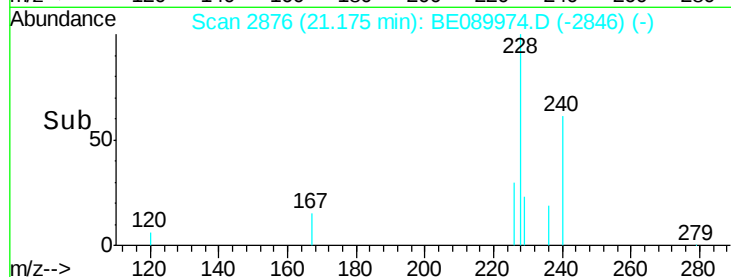
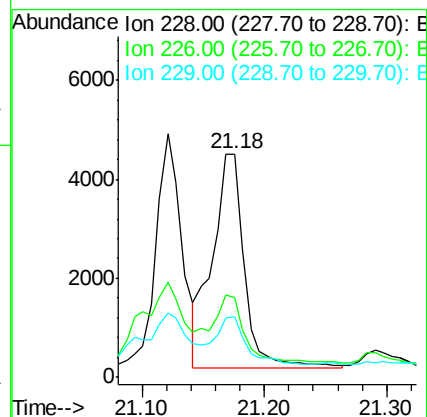
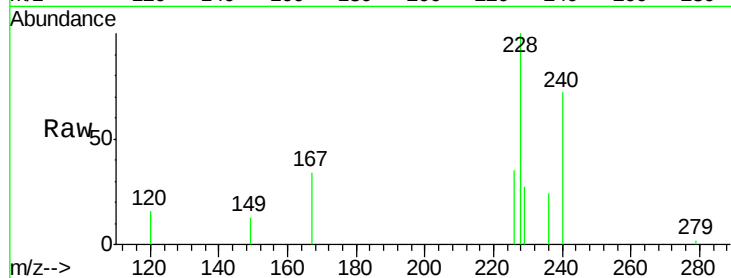
226 35.4 23.7 35.5

229 26.9 15.8 23.8#

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#30

Bis(2-ethylhexyl)phthalate

Concen: 2.66 ng

RT: 21.07 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

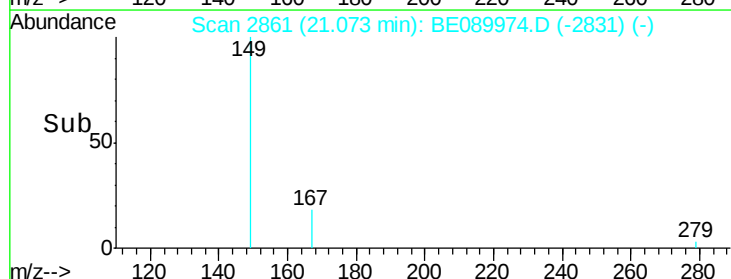
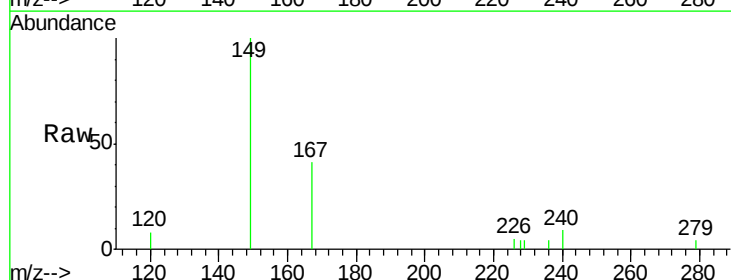
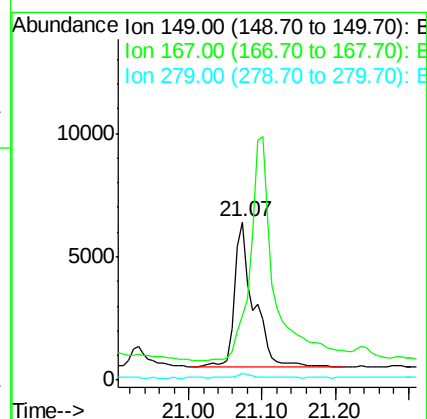
Tgt Ion:149 Resp: 10532

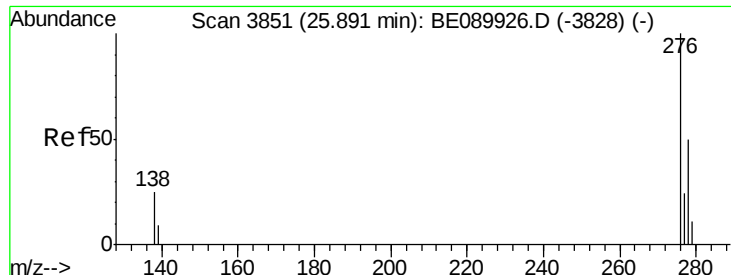
Ion Ratio Lower Upper

149 100

167 0.0 20.3 30.5#

279 2.2 2.7 4.1#





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.13 ng

RT: 25.87 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BE089974.D

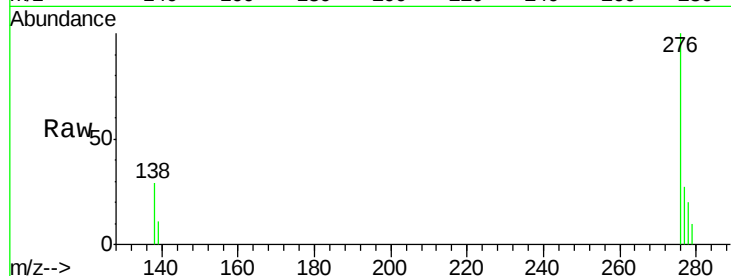
Acq: 27 Jun 2015 13:31

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 276 Resp: 4935

Ion Ratio Lower Upper

276 100

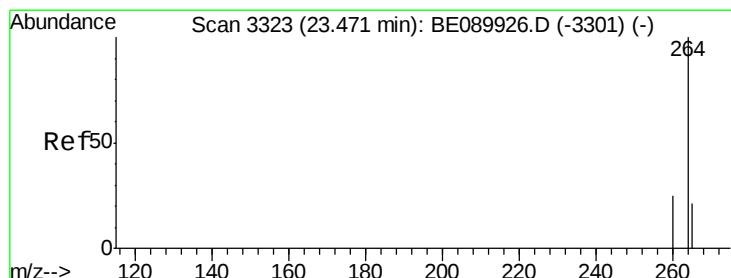
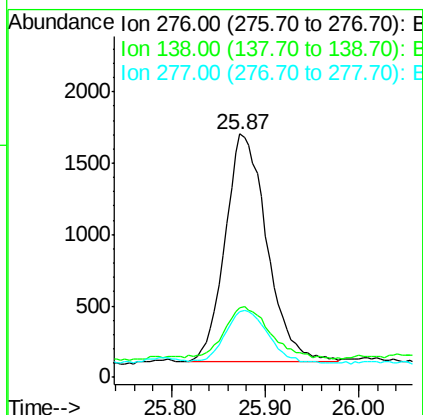
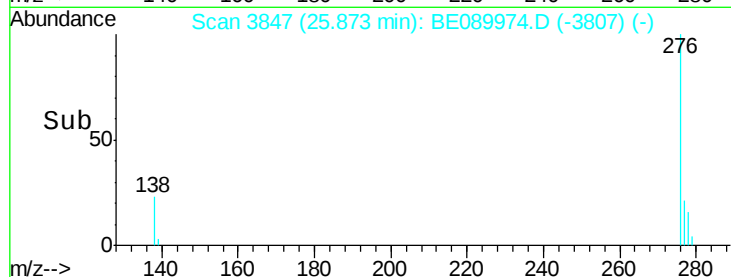
138 26.1 0.0 0.0#

277 24.2 0.0 0.0#

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#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3323

Delta R.T. -0.00 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

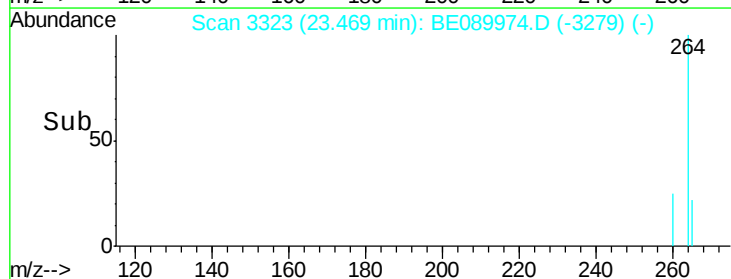
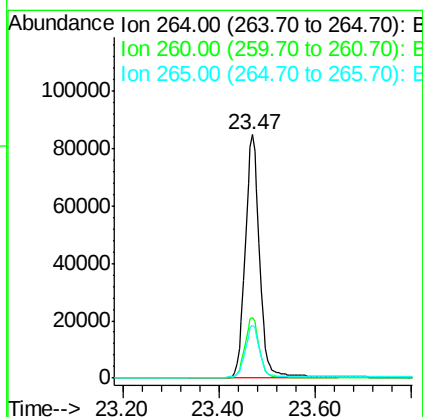
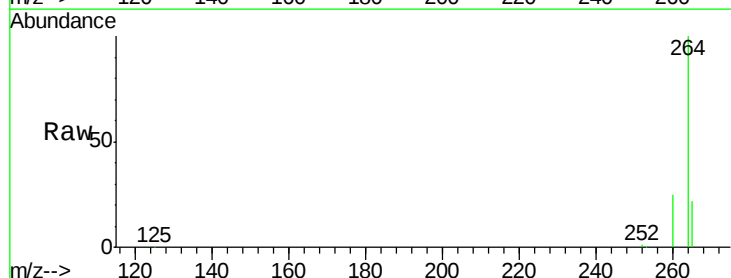
Tgt Ion: 264 Resp: 176305

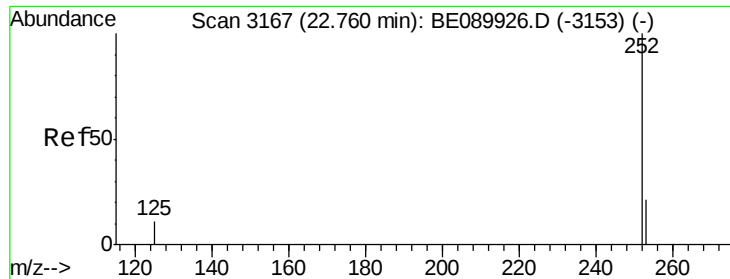
Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.6

265 22.0 17.3 25.9





#33

Benzo(b)fluoranthene

Concen: 0.29 ng

RT: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

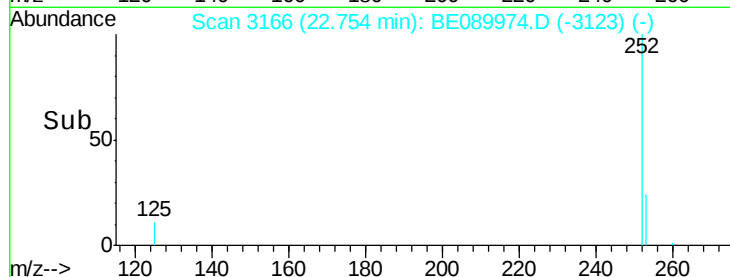
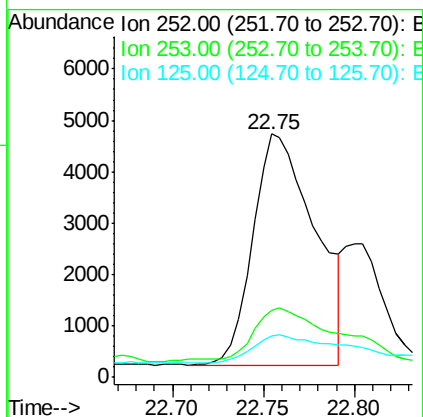
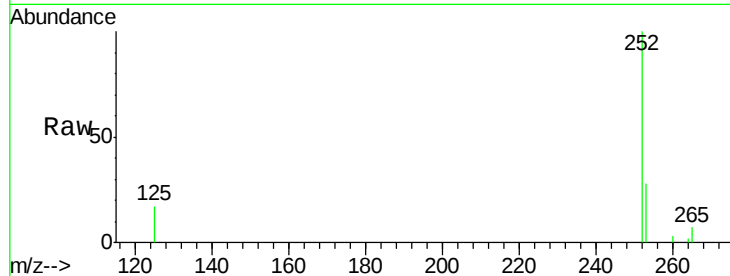
Instrument :
BNA_E

ClientSampleId :
X3SS0200006-150624

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.3	25.9#
125	17.1	9.3	13.9#

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#34

Benzo(k)fluoranthene

Concen: 0.09 ng m

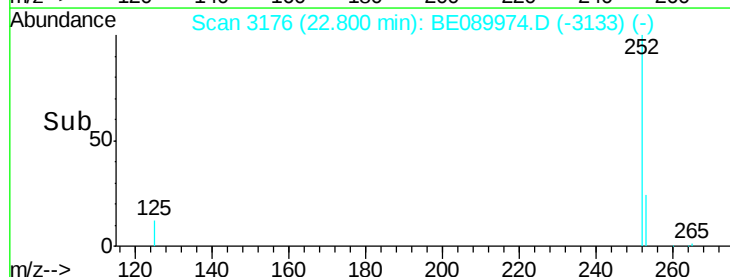
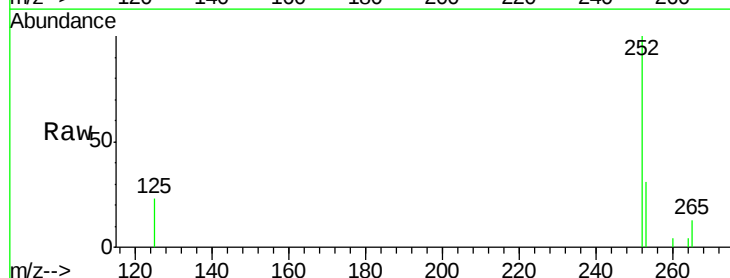
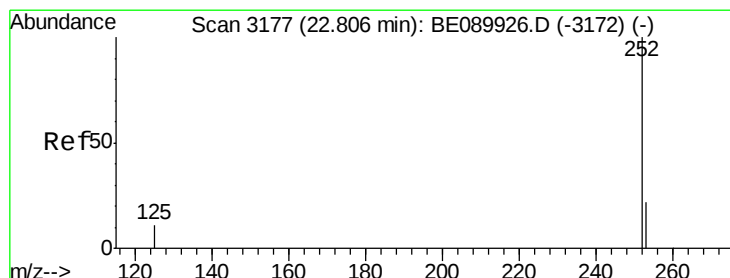
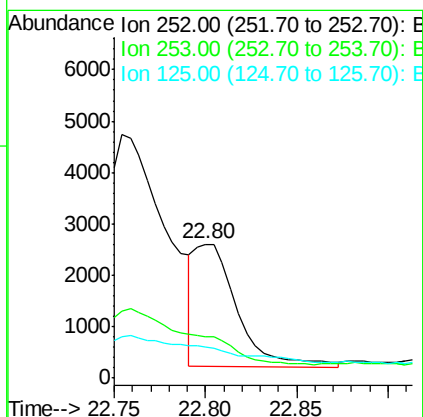
RT: 22.80 min Scan# 3176

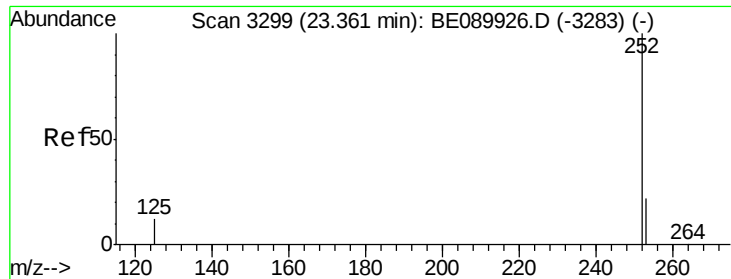
Delta R.T. -0.01 min

Lab File: BE089974.D

Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.9	26.9#
125	23.3	9.2	13.8#





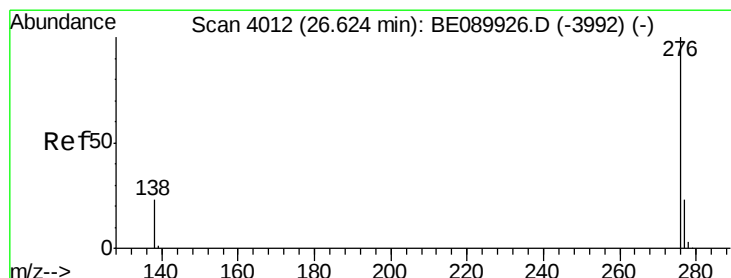
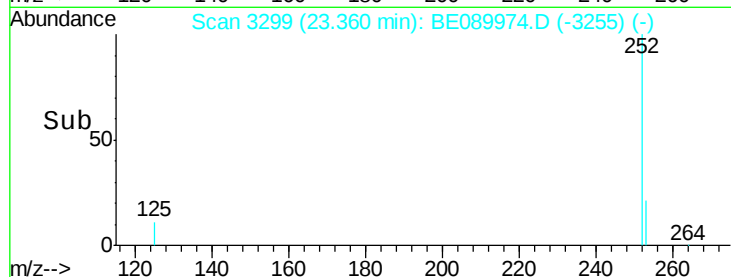
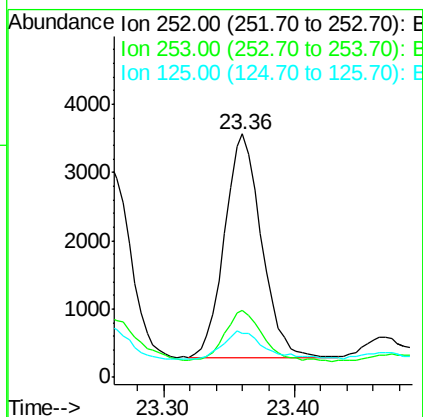
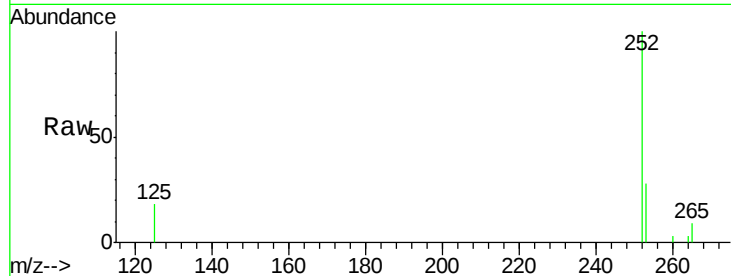
#35
Benzo(a)pyrene
Concen: 0.19 ng
RT: 23.36 min Scan# 3299
Delta R.T. -0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Instrument :
BNA_E
ClientSampleId :
X3SS0200006-150624

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.8	26.6#
125	18.1	10.3	15.5#

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#37
Benzo(g,h,i)perylene
Concen: 0.16 ng
RT: 26.62 min Scan# 4011
Delta R.T. -0.00 min
Lab File: BE089974.D
Acq: 27 Jun 2015 13:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.0	19.0	28.4
138	30.6	18.8	28.2#

