

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089975.D
 Acq On : 27 Jun 2015 14:07
 Operator : TP/IZ
 Sample : G2782-02 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624

Manual Integrations
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Quant Time: Jun 29 01:44:38 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	24161	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	122730	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	73450	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	169311	5.00	ng	0.00
25) Chrysene-d12	21.14	240	191533	5.00	ng	0.00
32) Perylene-d12	23.47	264	174900	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	35549	8.15	ng	0.00
5) Phenol-d6	6.81	99	61634	9.22	ng	0.00
7) Nitrobenzene-d5	8.77	82	39802	4.36	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	12741	9.76	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	92913	4.34	ng	0.00
27) Terphenyl-d14	19.60	244	139308	4.21	ng	0.00
Target Compounds						
9) Naphthalene	10.44	128	3588	0.13	ng	Qvalue # 93
11) 2-Methylnaphthalene	12.05	142	724	0.04	ng	# 90
15) Acenaphthylene	13.96	152	4544	0.04	ng	97
16) Acenaphthene	14.30	154	2790	0.15	ng	96
17) Fluorene	15.29	166	1344	0.05	ng	# 90
22) Phenanthrene	17.01	178	91367	2.15	ng	100
23) Anthracene	17.12	178	19023m	0.48	ng	
24) Fluoranthene	19.02	202	379671	8.24	ng	99
26) Pyrene	19.38	202	367061	7.57	ng	# 96
28) Benzo(a)anthracene	21.12	228	258254	5.64	ng	98
29) Chrysene	21.17	228	301314	6.02	ng	97
30) Bis(2-ethylhexyl)phthalate	21.07	149	9041	2.32	ng	# 54
31) Indeno(1,2,3-cd)pyrene	25.88	276	164530	4.47	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	372285	10.06	ng	97
34) Benzo(k)fluoranthene	22.80	252	139038m	3.31	ng	
35) Benzo(a)pyrene	23.37	252	245906	7.48	ng	99
36) Dibenzo(a,h)anthracene	25.89	278	40937	1.34	ng	98
37) Benzo(g,h,i)perylene	26.62	276	168136	5.11	ng	99

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

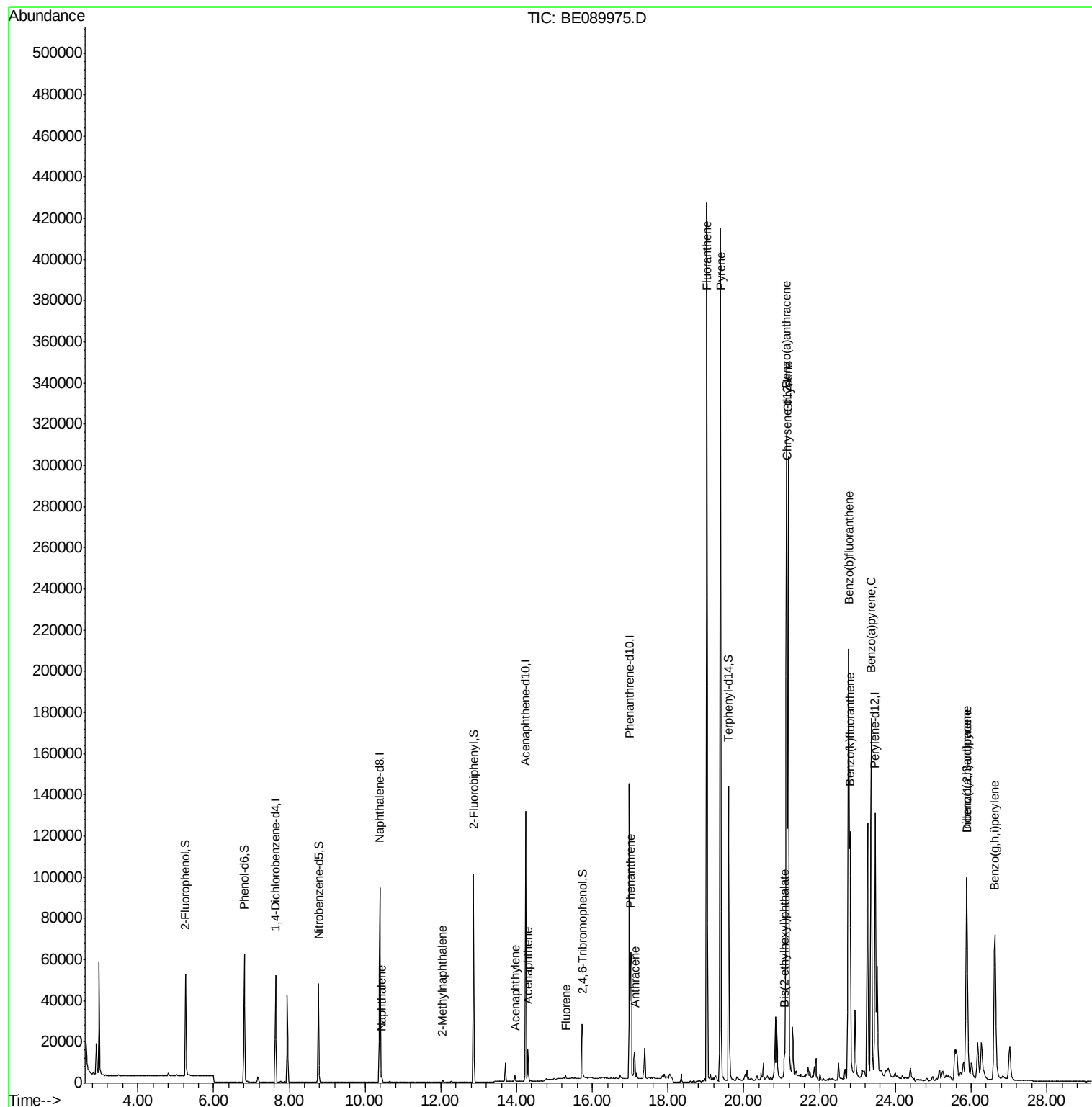
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
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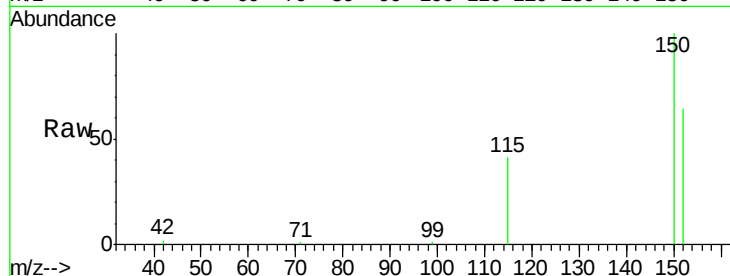




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 856
Delta R.T. -0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

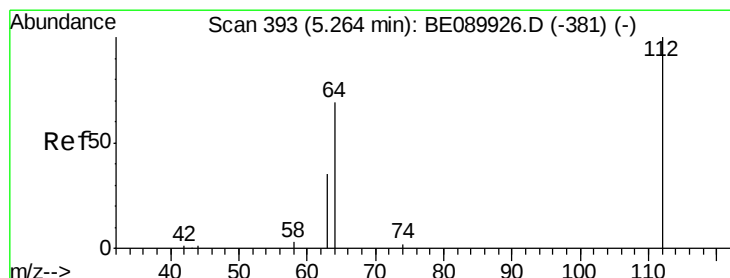
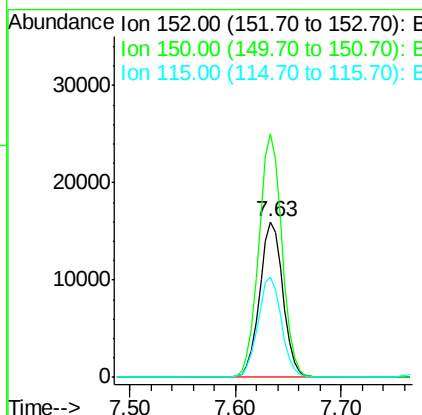
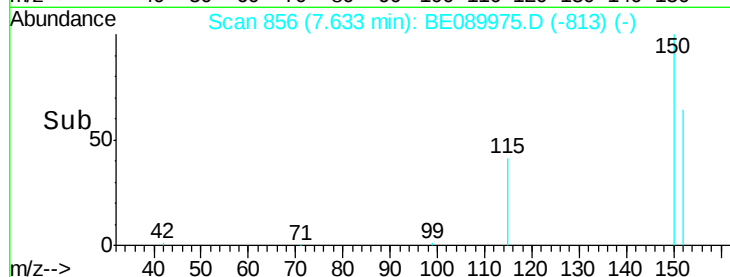
Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	64.4	51.6	77.4

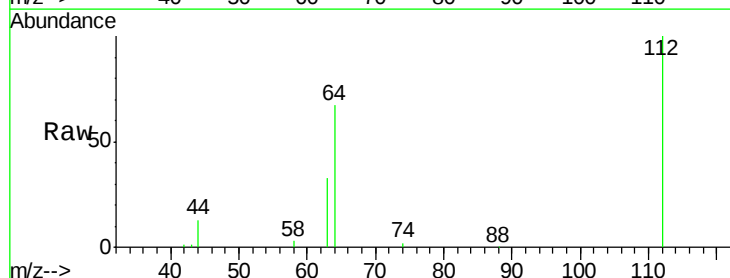
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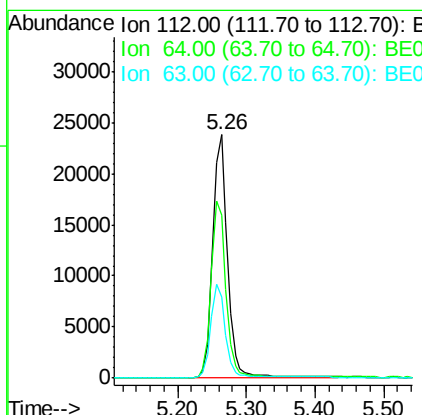
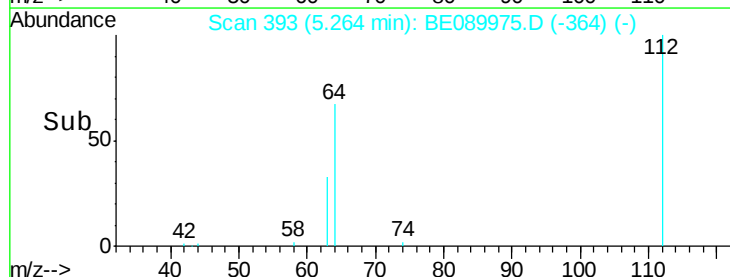


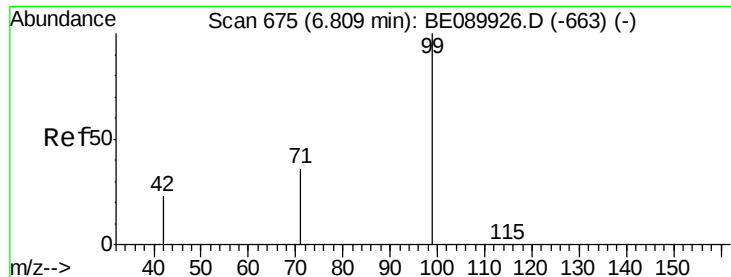
#4

2-Fluorophenol
Concen: 8.15 ng
RT: 5.26 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07



Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.5	57.4	86.2
63	38.1	31.2	46.8





#5

Phenol-d6

Concen: 9.22 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089975.D

Acq: 27 Jun 2015 14:07

Instrument :

BNA_E

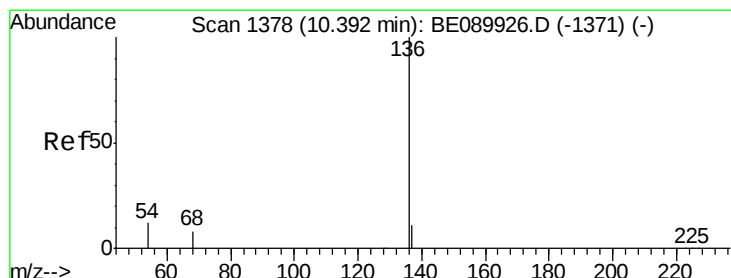
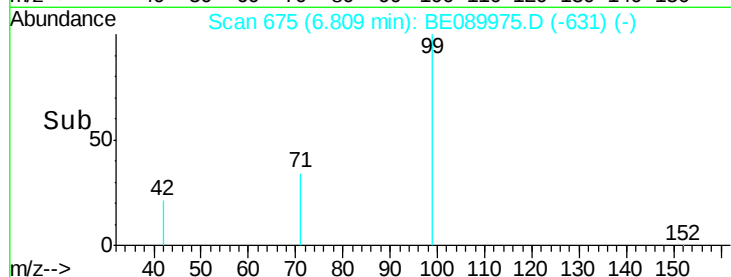
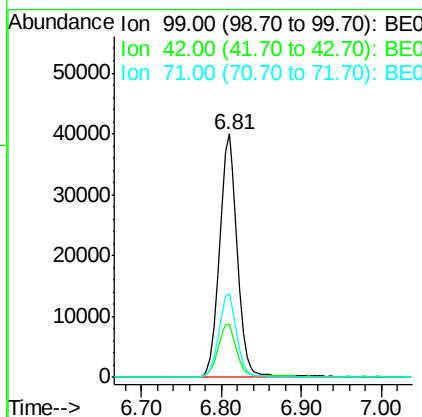
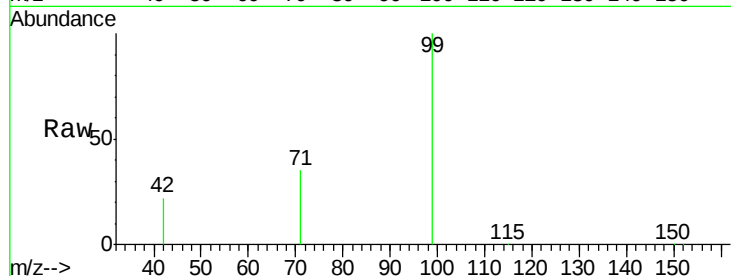
ClientSampleId :

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Tgt Ion:	99	Resp:	61634
Ion Ratio	Lower	Upper	
99	100		
42	22.1	19.5	29.3
71	34.7	27.8	41.6

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#6

Naphthalene-d8

Concen: 5.00 ng

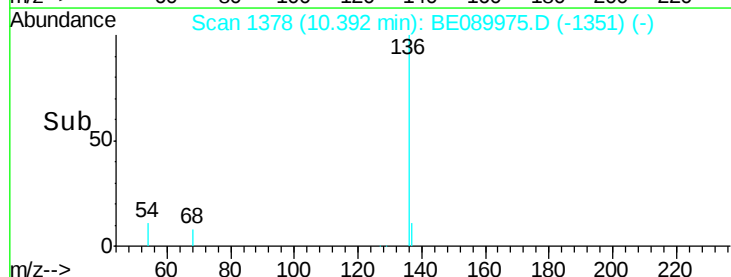
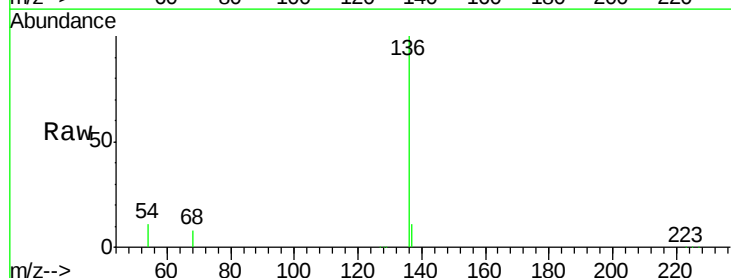
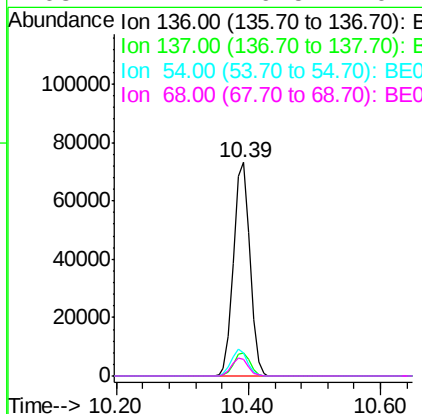
RT: 10.39 min Scan# 1378

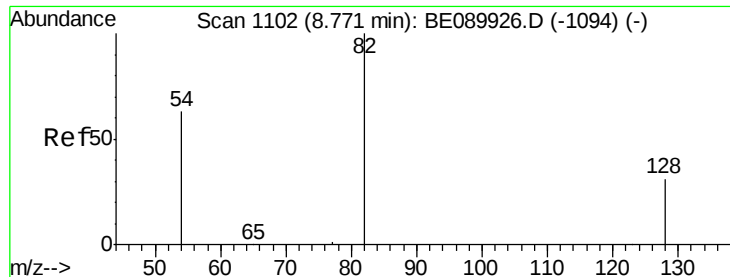
Delta R.T. 0.00 min

Lab File: BE089975.D

Acq: 27 Jun 2015 14:07

Tgt Ion:	136	Resp:	122730
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.7	9.7	14.5
68	7.7	6.5	9.7





#7

Nitrobenzene-d5

Concen: 4.36 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089975.D

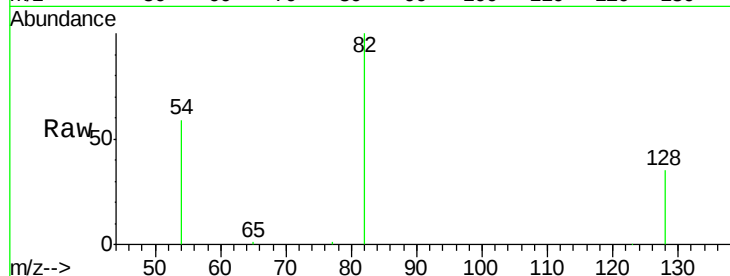
Acq: 27 Jun 2015 14:07

Instrument :

BNA_E

ClientSampleId :

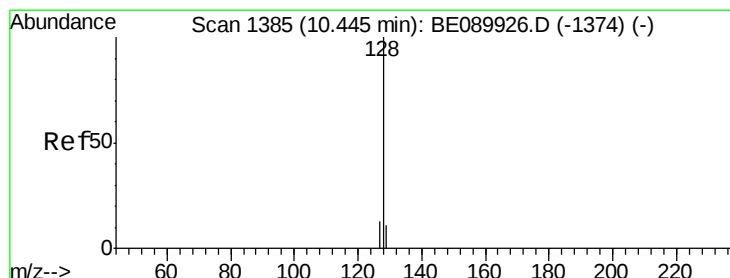
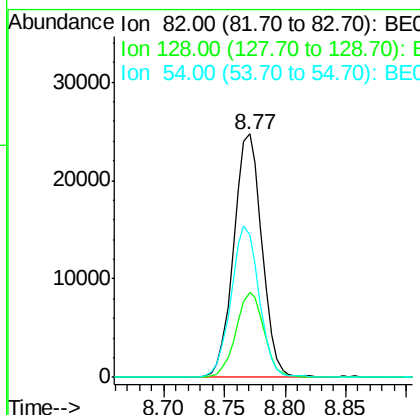
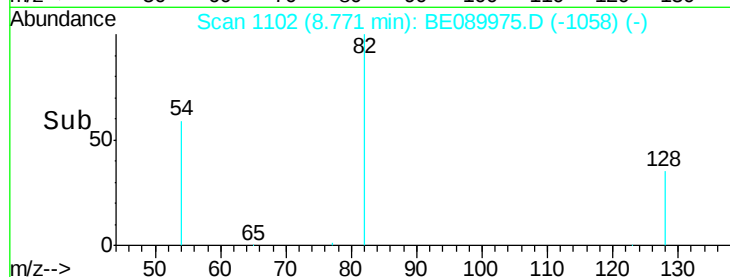
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Tgt Ion	82	Resp:	39802
Ion Ratio	Lower	Upper	
82	100		
128	35.0	25.6	38.4
54	58.7	51.2	76.8

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#9

Naphthalene

Concen: 0.13 ng

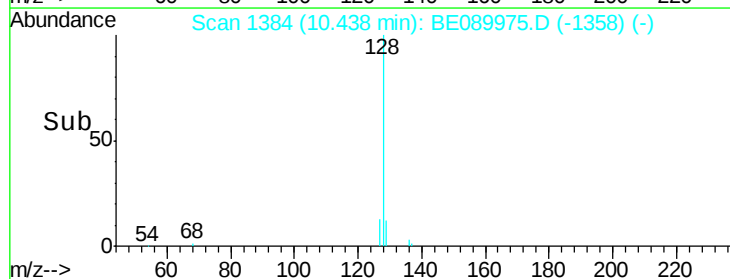
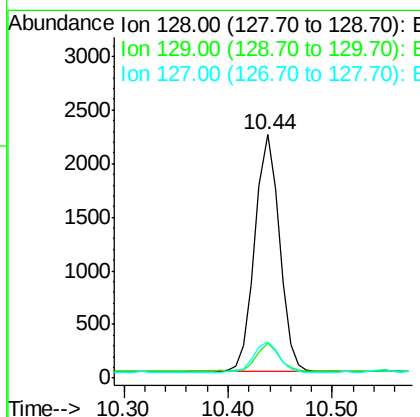
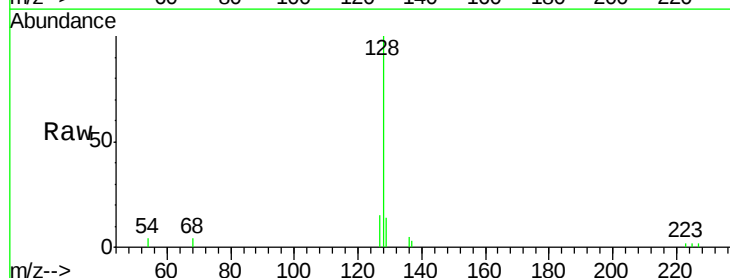
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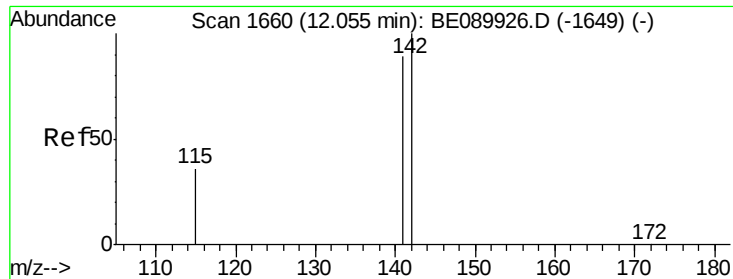
Delta R.T. -0.01 min

Lab File: BE089975.D

Acq: 27 Jun 2015 14:07

Tgt Ion	128	Resp:	3588
Ion Ratio	Lower	Upper	
128	100		
129	14.1	8.9	13.3#
127	15.1	10.2	15.4





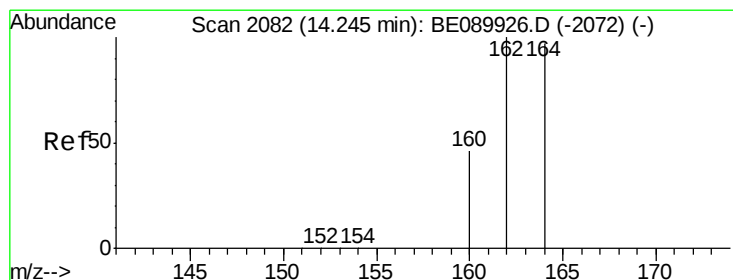
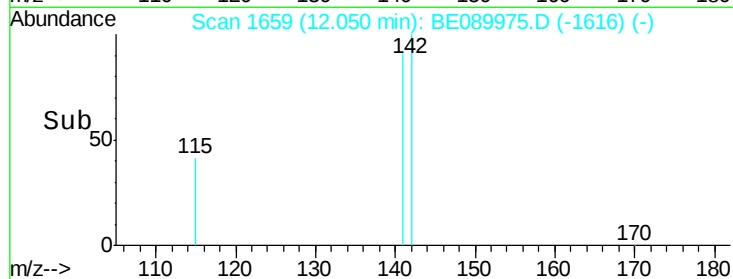
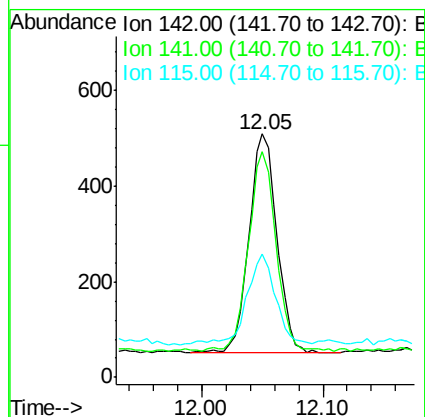
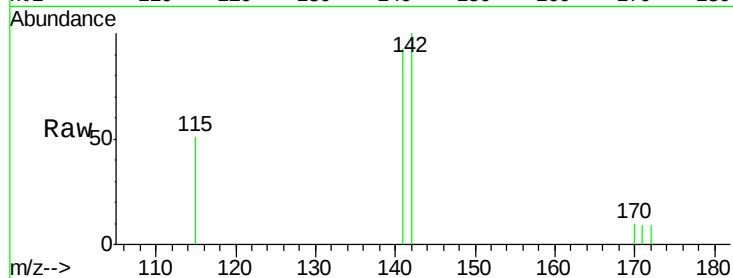
#11
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.05 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.1	106.7
115	50.9	29.1	43.7

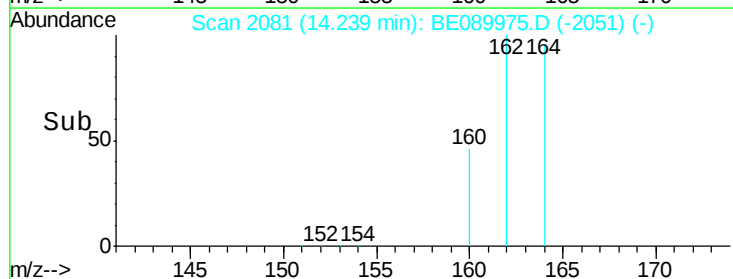
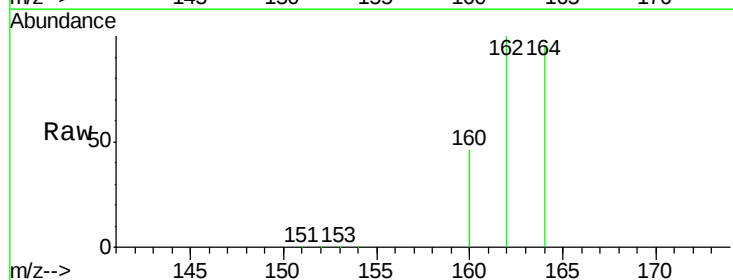
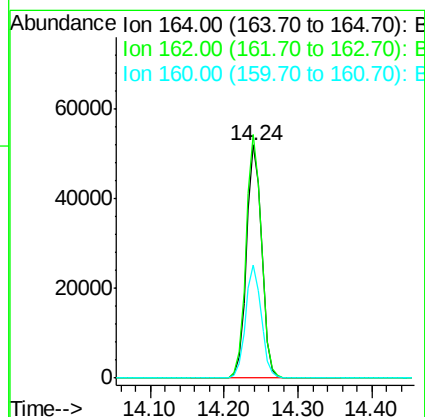
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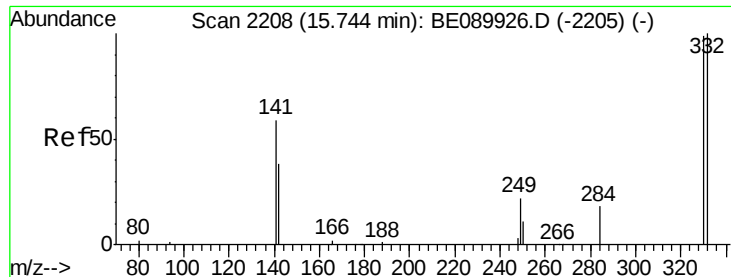
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

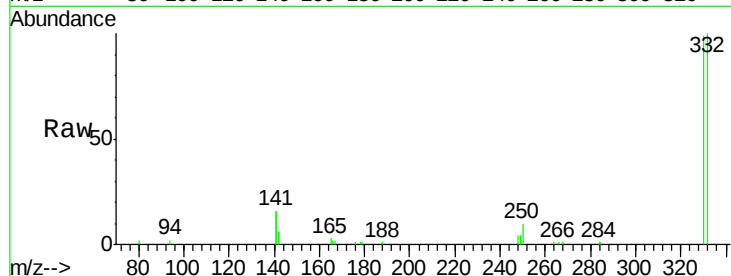
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.7	124.1
160	48.6	38.3	57.5





#13
 2,4,6-Tribromophenol
 Concen: 9.76 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

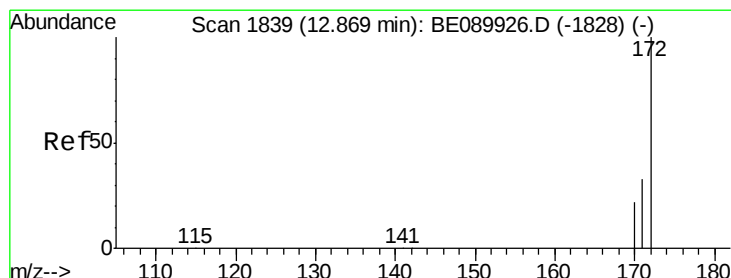
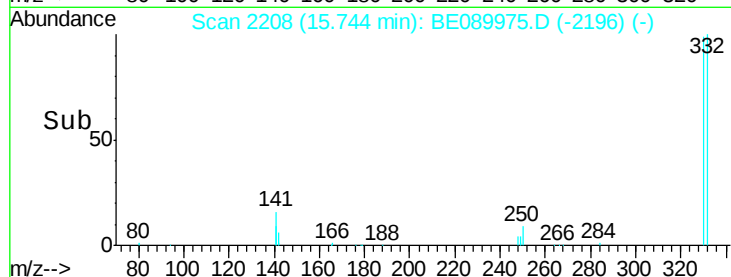
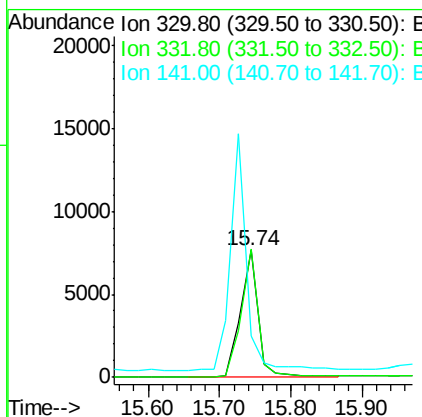
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624



Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.9	116.9
141	171.3	142.8	214.2

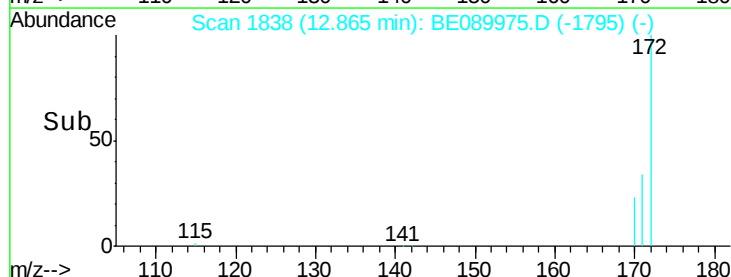
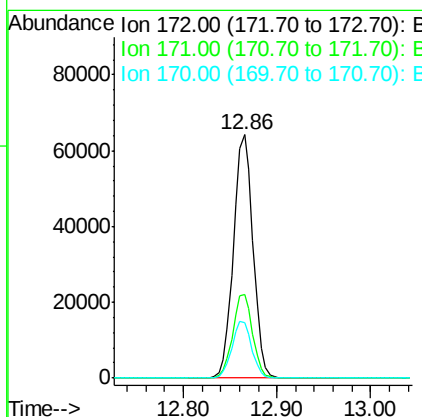
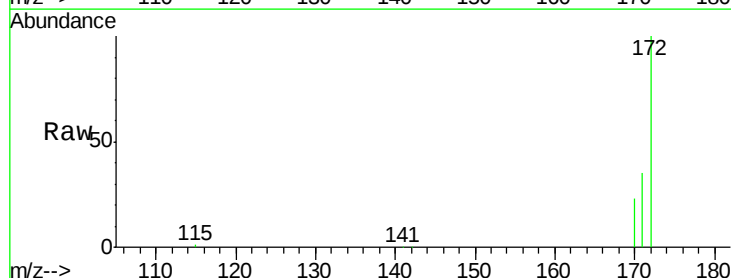
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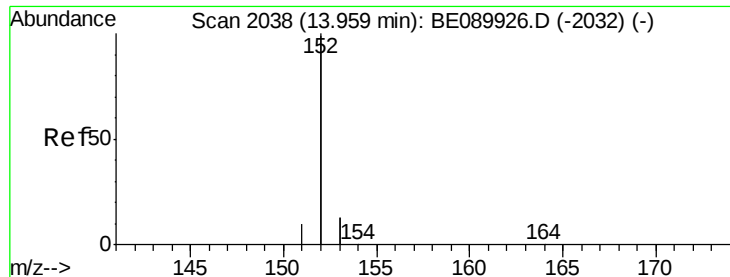
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#14
 2-Fluorobiphenyl
 Concen: 4.34 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.7	40.1
170	23.0	17.5	26.3





#15

Acenaphthylene

Concen: 0.04 ng

RT: 13.96 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BE089975.D

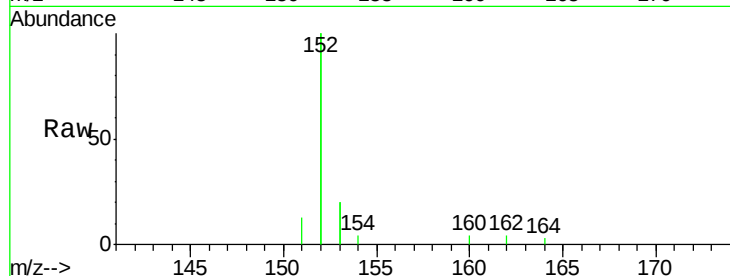
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Instrument :

BNA_E

ClientSampleId :

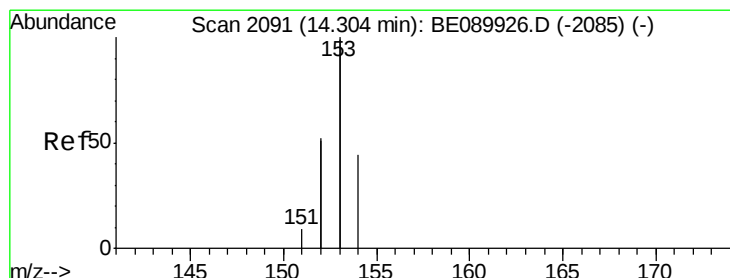
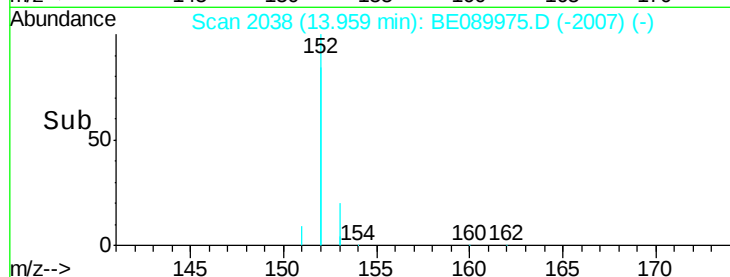
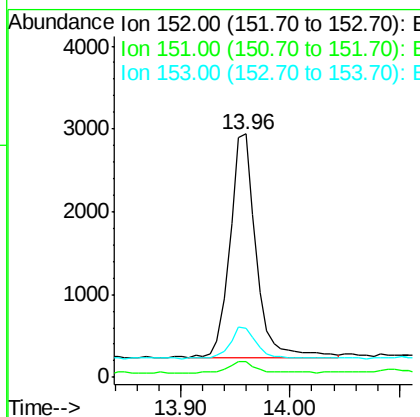
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Tgt Ion:	152	Resp:	4544
Ion Ratio	Lower	Upper	
152	100		
151	5.1	3.9	5.9
153	14.7	10.4	15.6

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#16

Acenaphthene

Concen: 0.15 ng

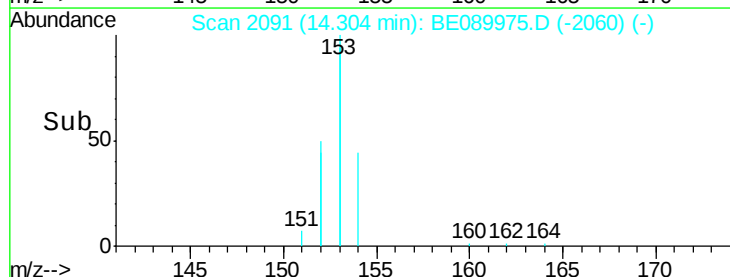
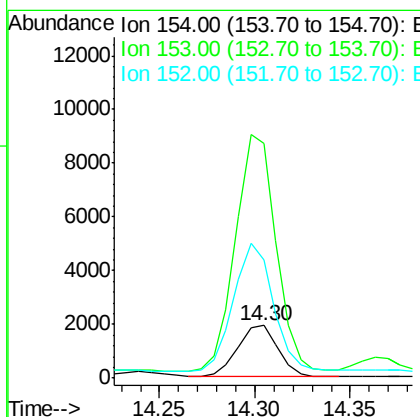
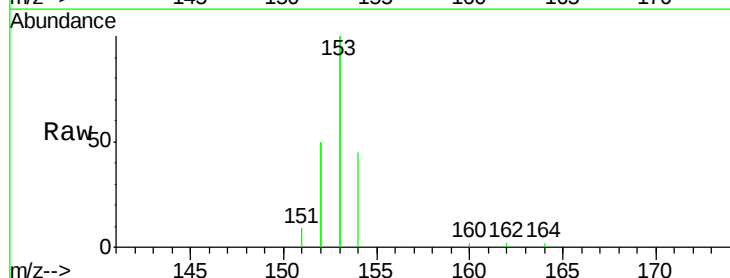
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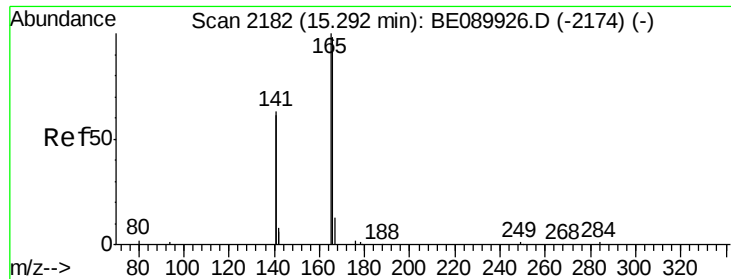
Delta R.T. 0.00 min

Lab File: BE089975.D

Acq: 27 Jun 2015 14:07

Tgt Ion:	154	Resp:	2790
Ion Ratio	Lower	Upper	
154	100		
153	464.9	362.8	544.2
152	248.7	194.6	291.8





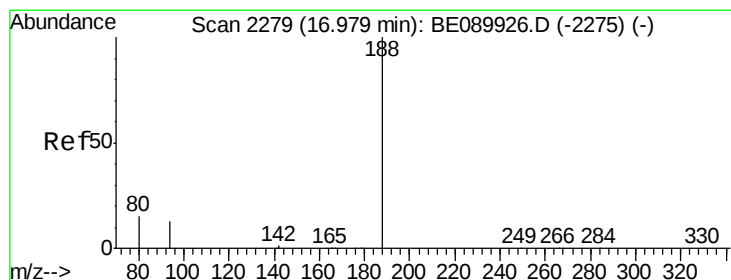
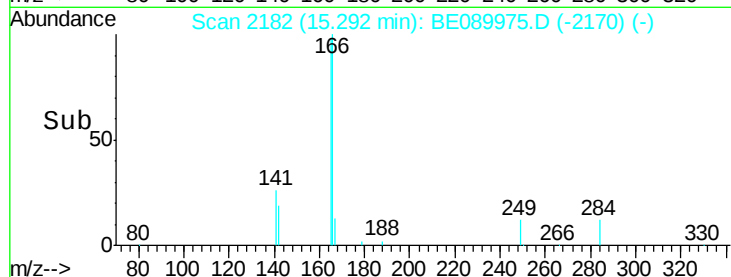
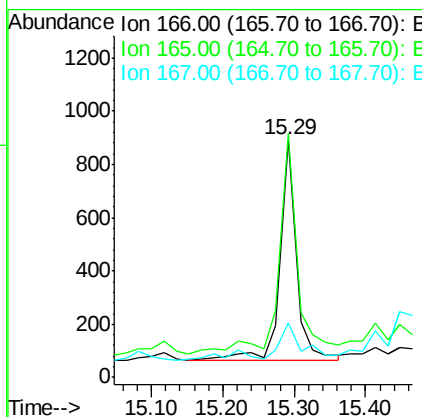
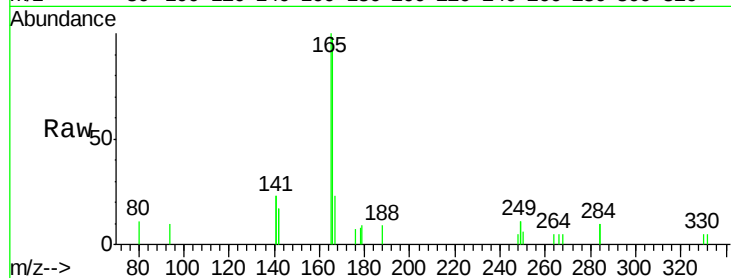
#17
Fluorene
Concen: 0.05 ng
RT: 15.29 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.3	81.1	121.7
167	21.2	11.8	17.8

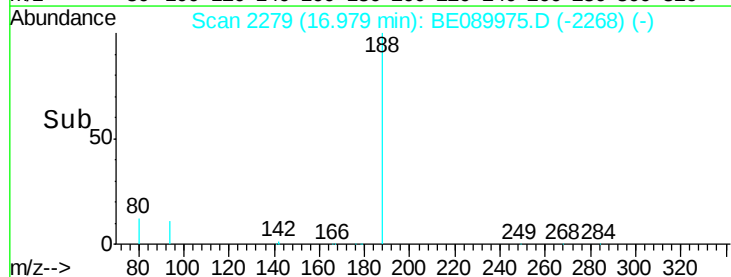
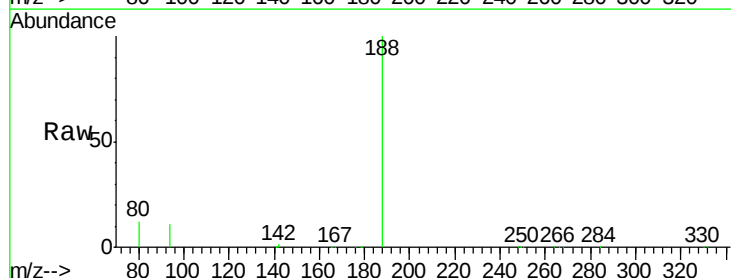
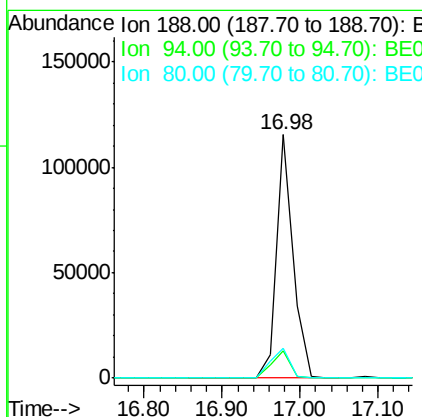
Manual Integrations
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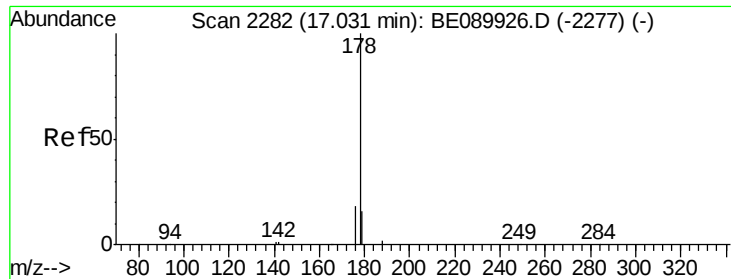
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	10.6	16.0
80	12.2	11.8	17.6





#22

Phenanthrene

Concen: 2.15 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089975.D

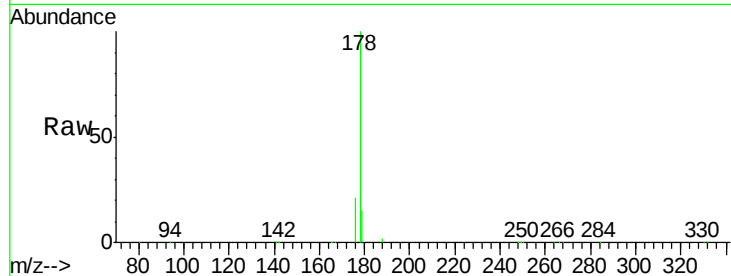
Acq: 27 Jun 2015 14:07

Instrument :

BNA_E

ClientSampleId :

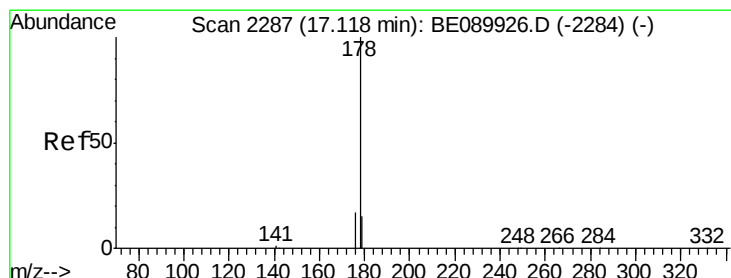
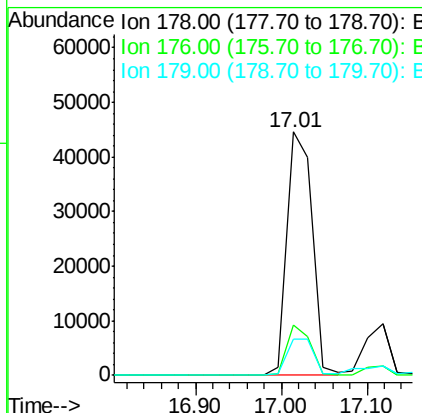
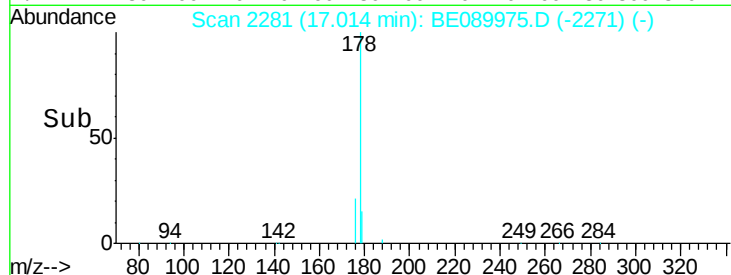
X3SS0240006-150624



Tgt Ion:	178	Resp:	91367
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	15.9	12.6	19.0

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#23

Anthracene

Concen: 0.48 ng m

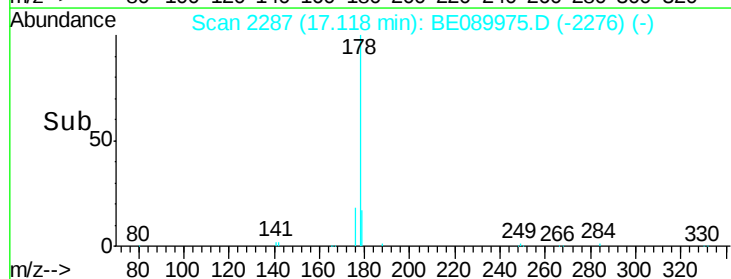
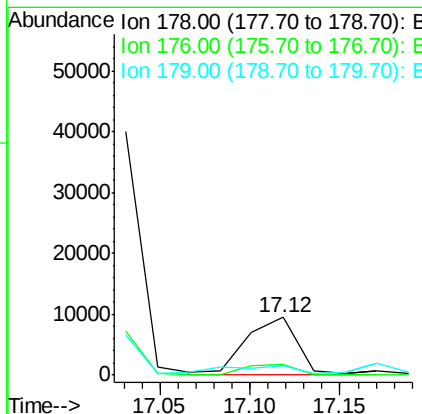
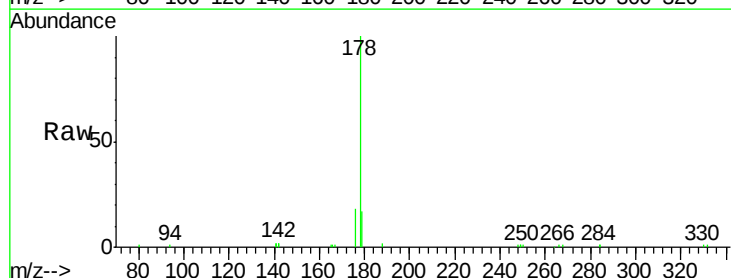
RT: 17.12 min Scan# 2287

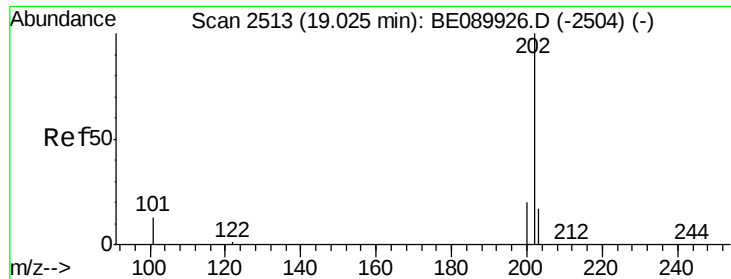
Delta R.T. 0.00 min

Lab File: BE089975.D

Acq: 27 Jun 2015 14:07

Tgt Ion:	178	Resp:	19023
Ion Ratio	Lower	Upper	
178	100		
176	92.4	14.6	21.8#
179	76.0	12.3	18.5#





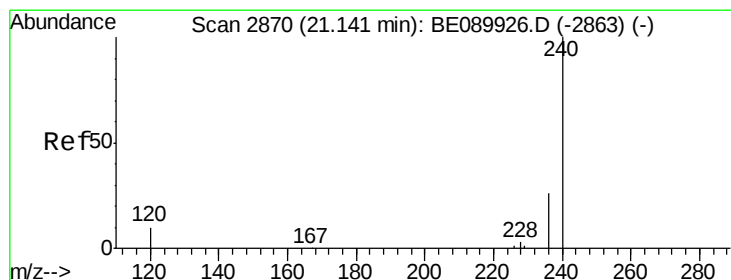
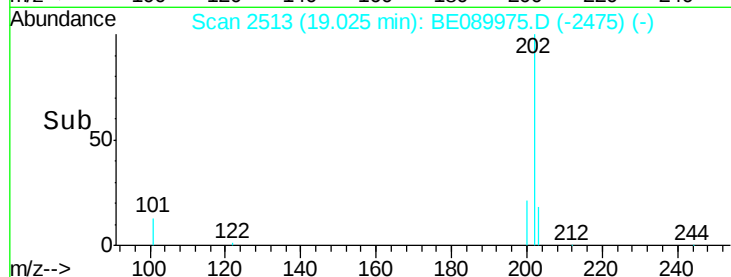
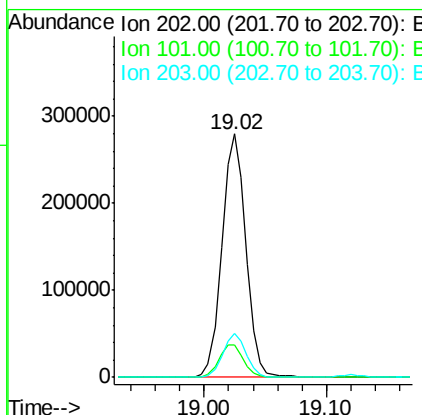
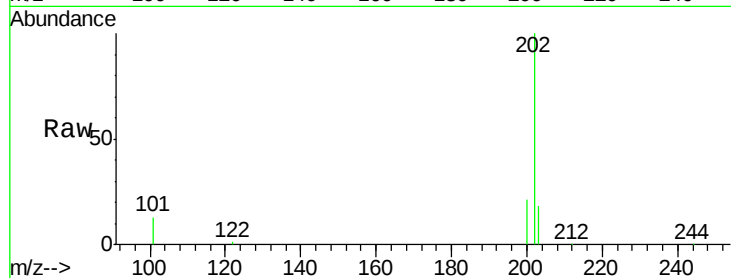
#24
 Fluoranthene
 Concen: 8.24 ng
 RT: 19.02 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	379671		
101	13.7	10.6	16.0	
203	17.4	13.8	20.8	

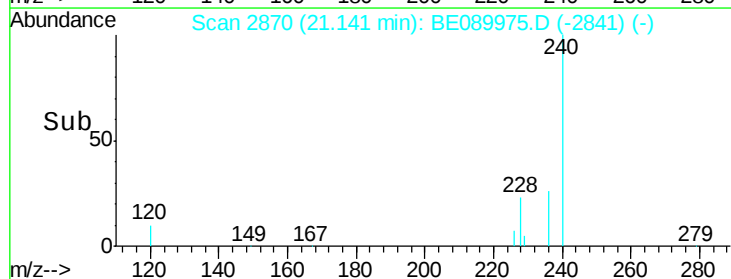
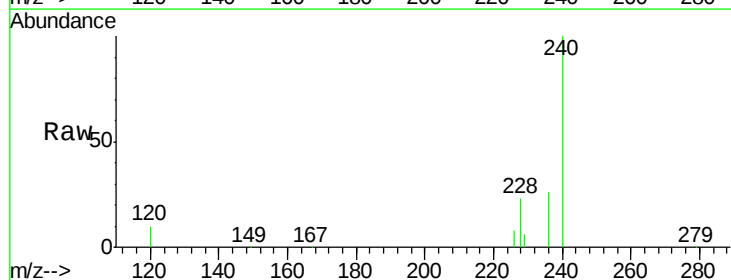
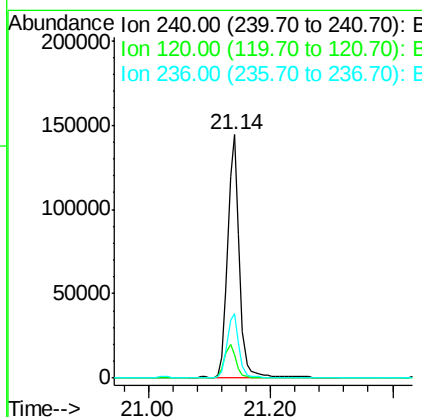
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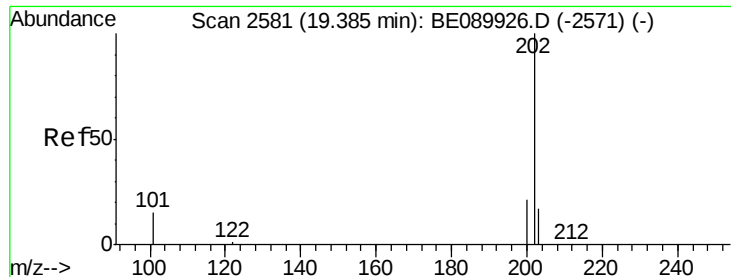
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#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.14 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	191533		
120	9.7	7.9	11.9	
236	26.4	21.2	31.8	





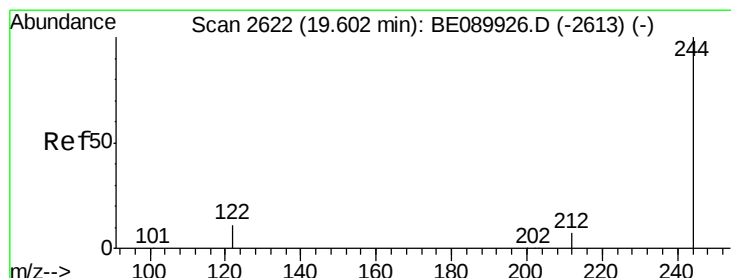
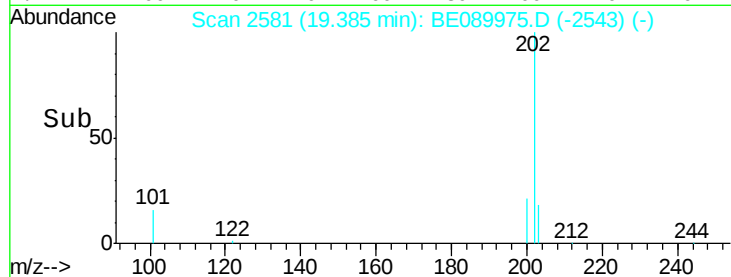
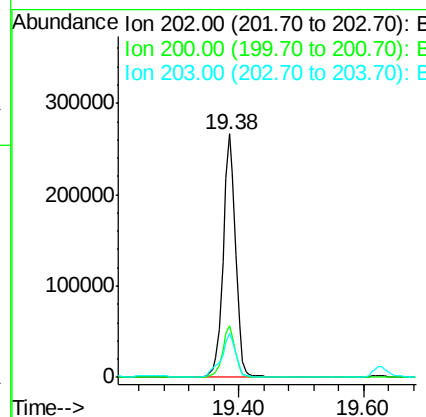
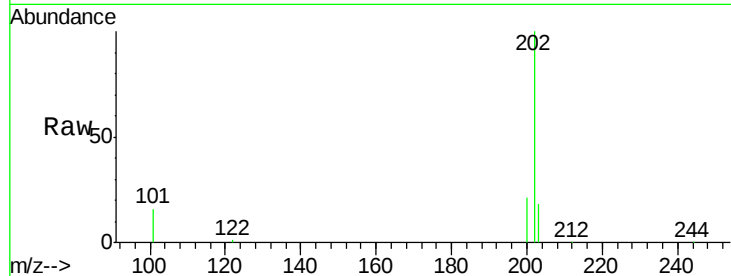
#26
 Pyrene
 Concen: 7.57 ng
 RT: 19.38 min Scan# 2581
 Delta R.T. 0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	16.6	25.0
203	21.0	13.9	20.9

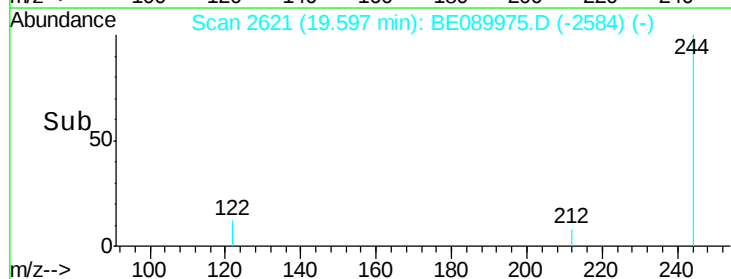
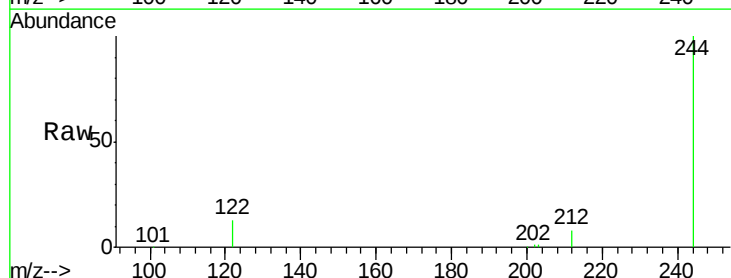
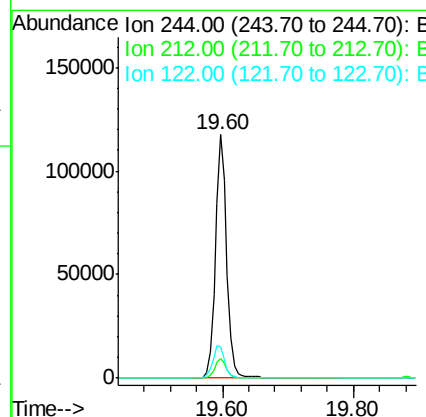
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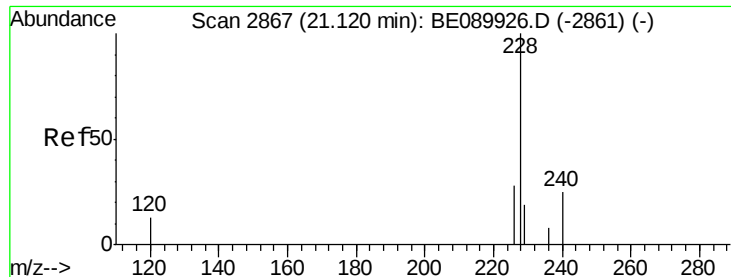
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#27
 Terphenyl-d14
 Concen: 4.21 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.1	6.1	9.1
122	12.8	8.7	13.1





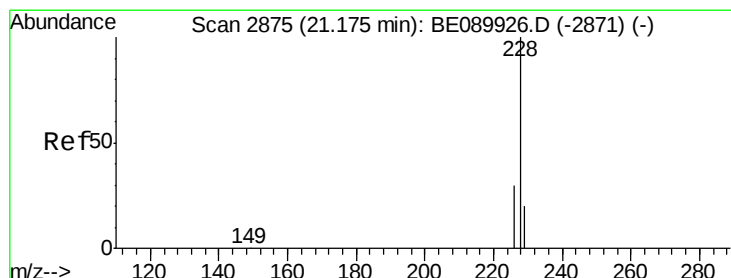
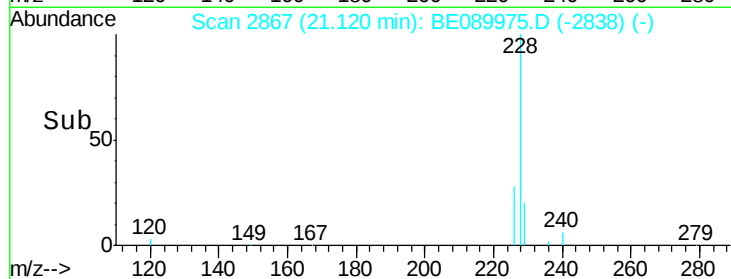
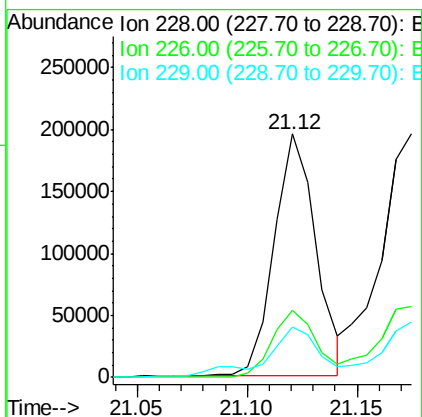
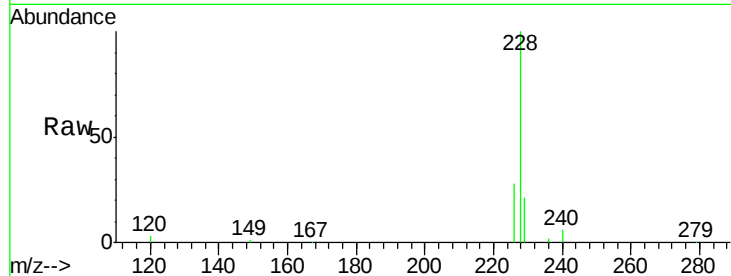
#28
Benzo(a)anthracene
Concen: 5.64 ng
RT: 21.12 min Scan# 2867
Delta R.T. 0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624

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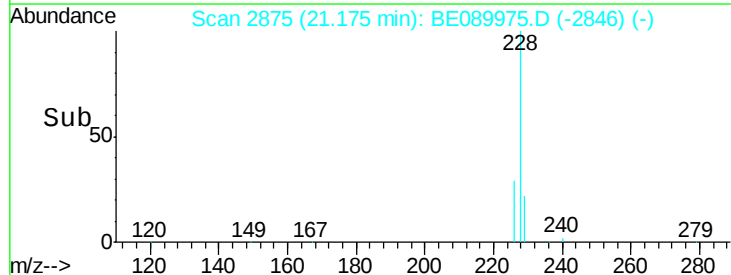
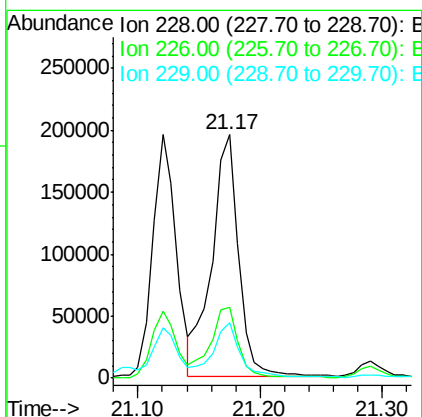
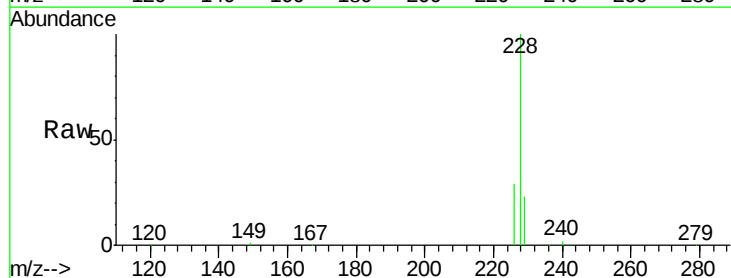
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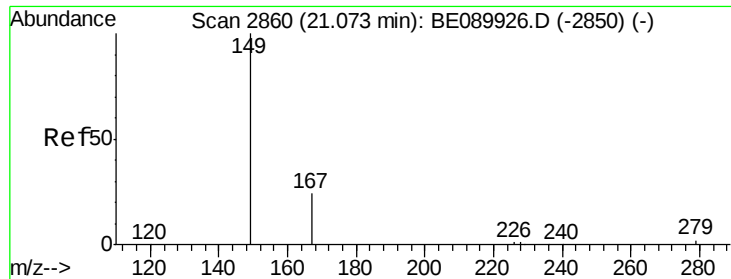
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	20.8	15.3	22.9



#29
Chrysene
Concen: 6.02 ng
RT: 21.17 min Scan# 2875
Delta R.T. 0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	22.6	15.8	23.8





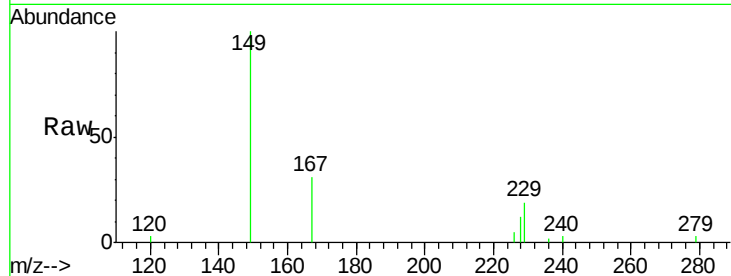
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 2.32 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624

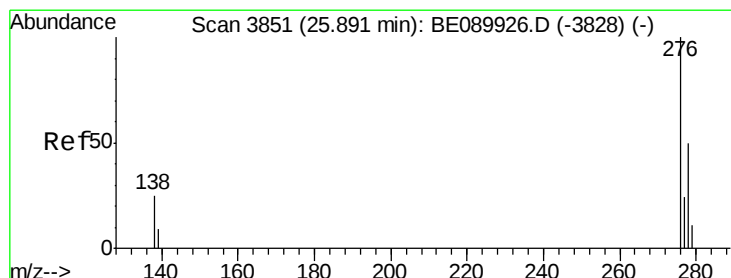
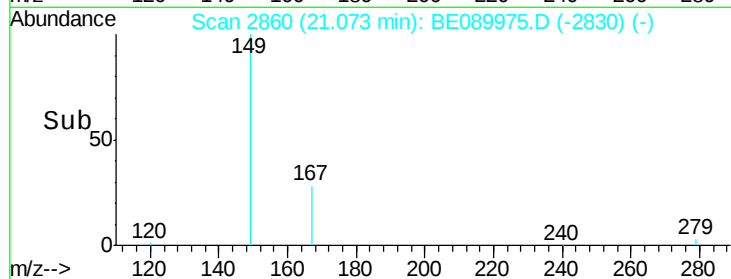
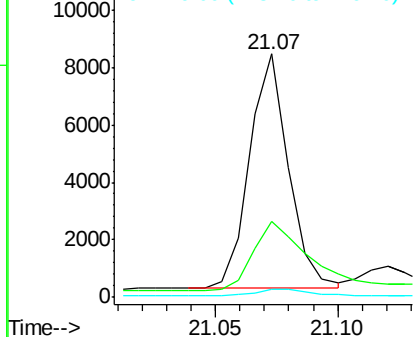
Tgt Ion	Ratio	Lower	Upper
149	100		
167	51.5	20.3	30.5#
279	3.0	2.7	4.1

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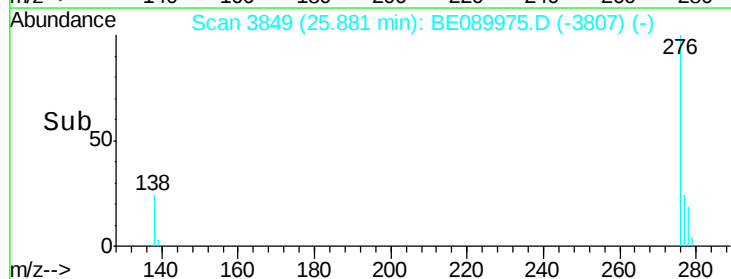
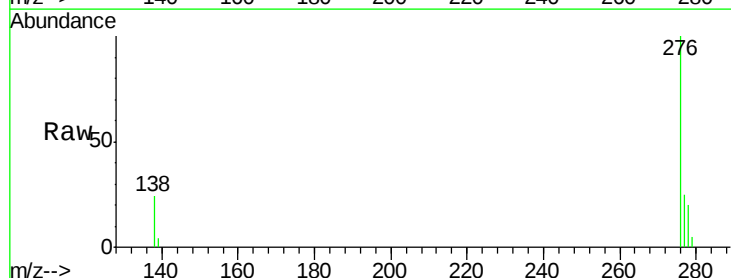
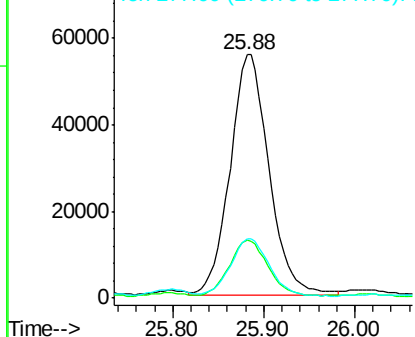
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

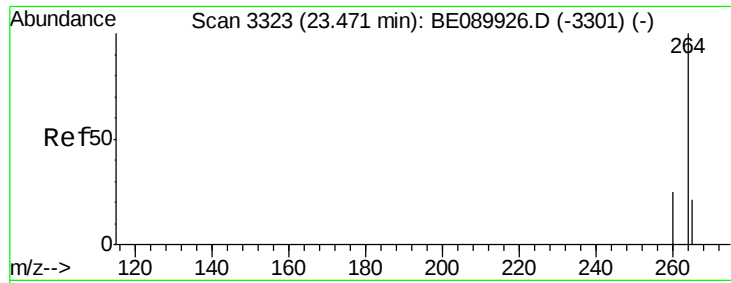


#31
 Indeno(1,2,3-cd)pyrene
 Concen: 4.47 ng
 RT: 25.88 min Scan# 3849
 Delta R.T. -0.01 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	0.0	0.0#
277	23.6	0.0	0.0#

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





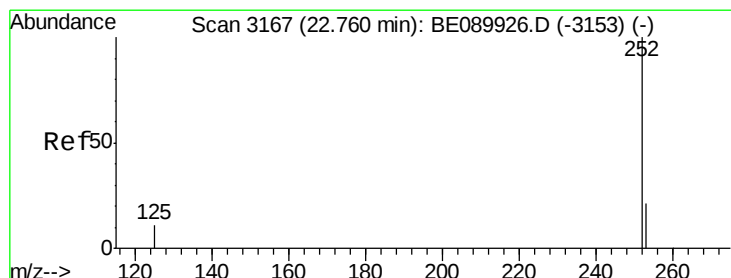
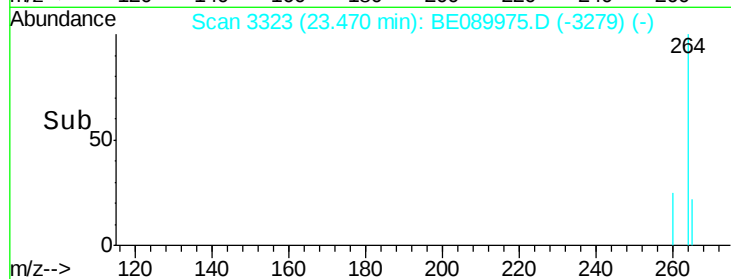
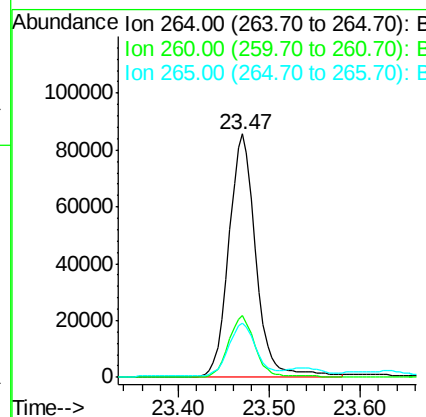
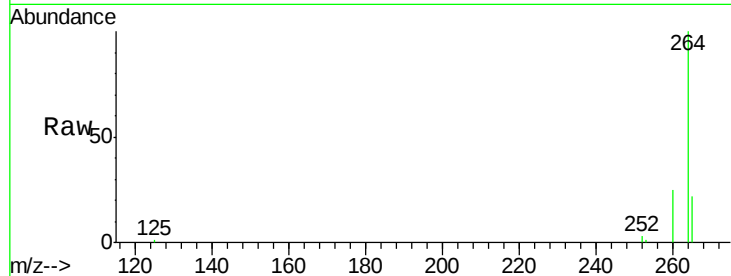
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3323
 Delta R.T. -0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	174900		
260	25.5	19.8	29.6	
265	22.3	17.3	25.9	

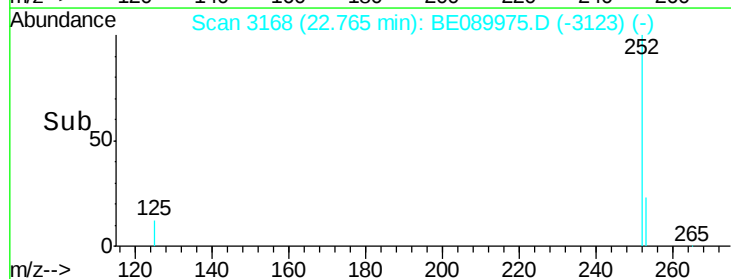
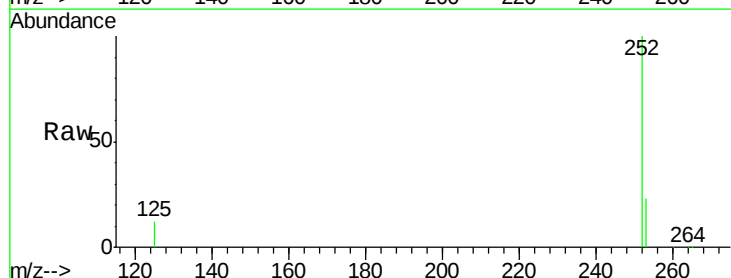
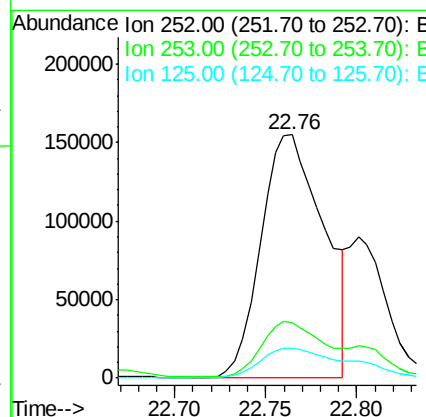
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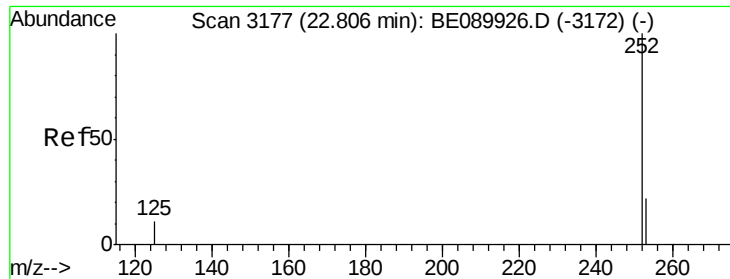
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#33
 Benzo(b)fluoranthene
 Concen: 10.06 ng
 RT: 22.76 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: BE089975.D
 Acq: 27 Jun 2015 14:07

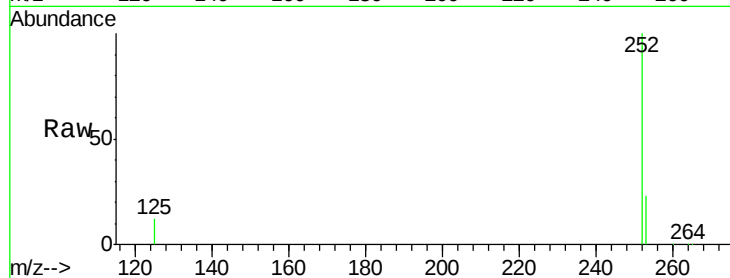
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	372285		
253	23.0	17.3	25.9	
125	12.5	9.3	13.9	





#34
Benzo(k)fluoranthene
Concen: 3.31 ng m
RT: 22.80 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

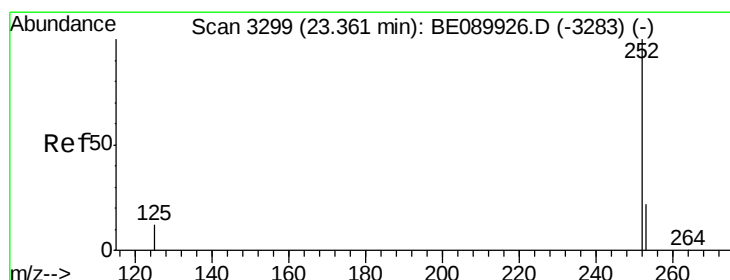
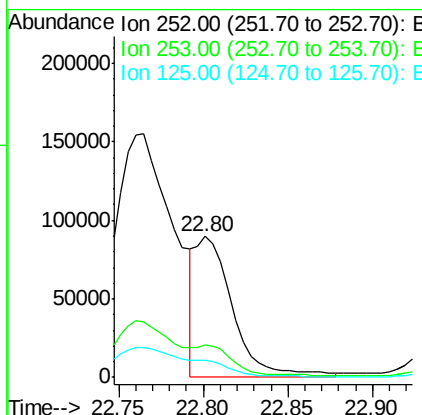
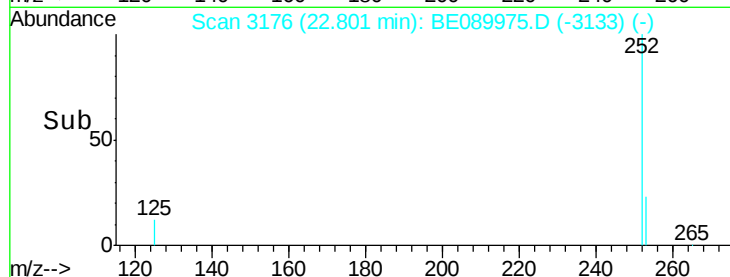
Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.3	9.2	13.8

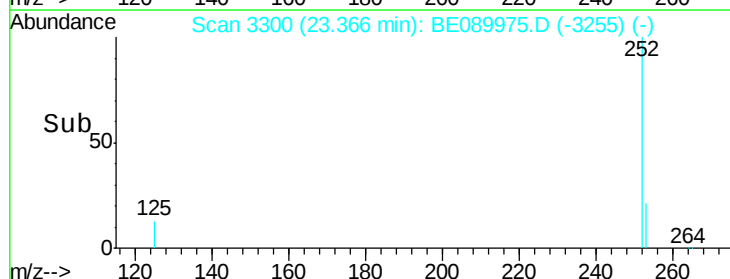
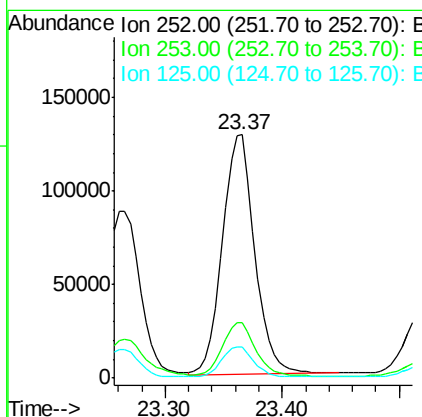
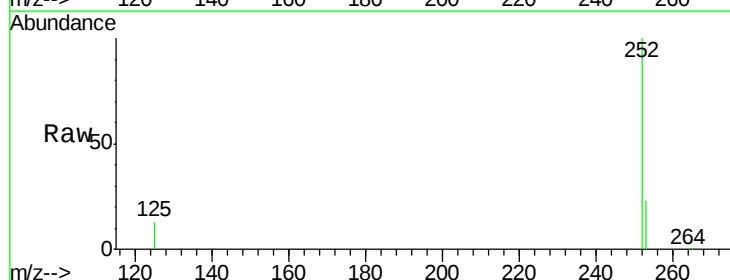
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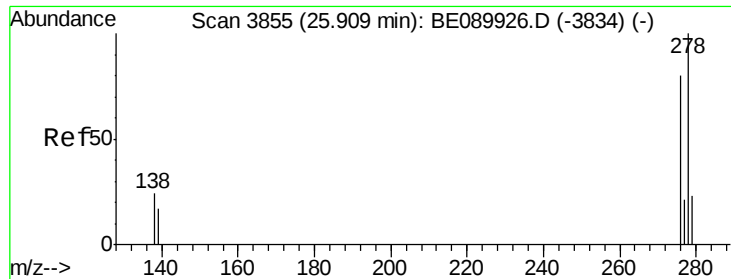
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#35
Benzo(a)pyrene
Concen: 7.48 ng
RT: 23.37 min Scan# 3300
Delta R.T. 0.00 min
Lab File: BE089975.D
Acq: 27 Jun 2015 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.8	10.3	15.5





#36

Dibenzo(a,h)anthracene

Concen: 1.34 ng

RT: 25.89 min Scan# 3852

Delta R.T. -0.01 min

Lab File: BE089975.D

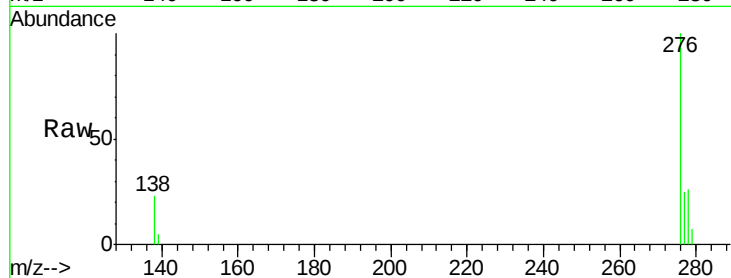
Acq: 27 Jun 2015 14:07

Instrument :

BNA_E

ClientSampleId :

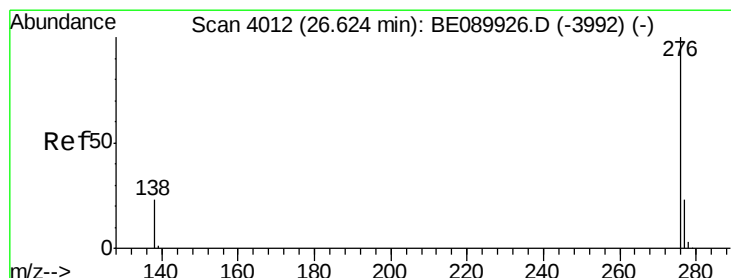
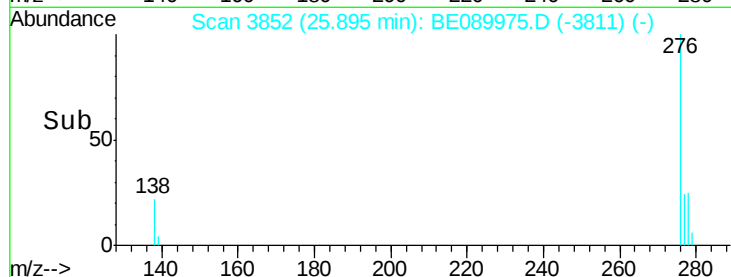
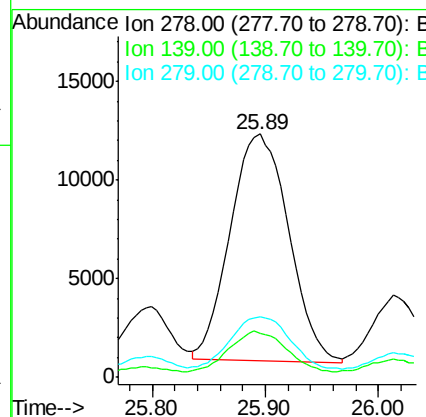
X3SS0240006-150624



Tgt Ion:	278	Resp:	40937
Ion Ratio	Lower	Upper	
278	100		
139	18.0	14.1	21.1
279	25.1	19.0	28.6

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#37

Benzo(g,h,i)perylene

Concen: 5.11 ng

RT: 26.62 min Scan# 4012

Delta R.T. -0.00 min

Lab File: BE089975.D

Acq: 27 Jun 2015 14:07

Tgt Ion:	276	Resp:	168136
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.4
138	24.1	18.8	28.2

