

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
 Data File : BE092372.D
 Acq On : 12 Sep 2016 15:21
 Operator : UM/SJ
 Sample : PB93350BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93350BL

Manual Integrations
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Quant Time: Sep 12 17:05:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13690	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	56340	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	29542	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	73398	5.00	ng	0.00
24) Chrysene-d12	21.72	240	84847	5.00	ng	-0.02
31) Perylene-d12	24.09	264	82527	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	24873	7.64	ng	-0.02
5) Phenol-d6	7.34	99	31142	7.17	ng	-0.02
8) Nitrobenzene-d5	9.32	82	14935	3.69	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	10479	11.45	ng	-0.02
14) 2-Fluorobiphenyl	13.43	172	29255	3.23	ng	-0.01
26) Terphenyl-d14	20.16	244	38336	3.05	ng	-0.02
Target Compounds						Qvalue
15) Acenaphthylene	14.49	152	3536	0.07	ng	# 93
17) Fluorene	15.85	166	1209	0.12	ng	99
19) Hexachlorobenzene	16.86	284	211	0.06	ng	# 89
20) Pentachlorophenol	17.23	266	133	0.24	ng	90
21) Phenanthrene	17.60	178	7841	0.38	ng	98
22) Anthracene	17.69	178	5439m	0.30	ng	
23) Fluoranthene	19.59	202	56509	0.63	ng	# 96
25) Pyrene	19.95	202	63978	0.78	ng	96
27) Benzo(a)anthracene	21.70	228	26510m	0.29	ng	
28) Chrysene	21.77	228	36807m	0.33	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	130617	Below Cal		# 68
30) Indeno(1,2,3-cd)pyrene	26.57	276	3985	0.04	ng	95
32) Benzo(b)fluoranthene	23.36	252	3698	0.17	ng	# 68
33) Benzo(k)fluoranthene	23.41	252	2527	0.11	ng	# 74
34) Benzo(a)pyrene	23.97	252	747	0.04	ng	# 1
35) Dibenzo(a,h)anthracene	26.58	278	746	0.04	ng	# 32
36) Benzo(g,h,i)perylene	27.33	276	3280	0.04	ng	# 49

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

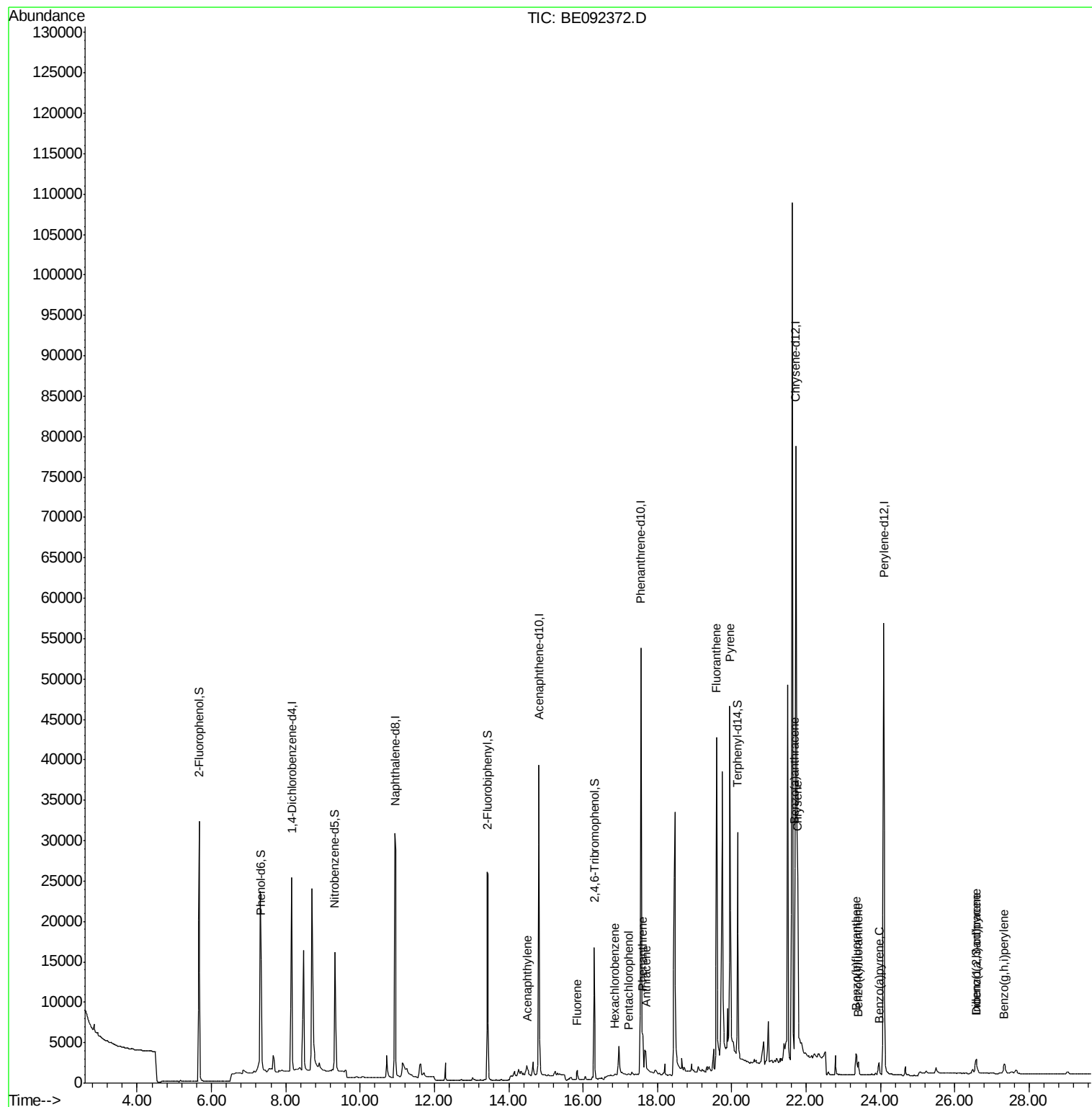
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
Data File : BE092372.D
Acq On : 12 Sep 2016 15:21
Operator : UM/SJ
Sample : PB93350BL
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ALS Vial : 10 Sample Multiplier: 1

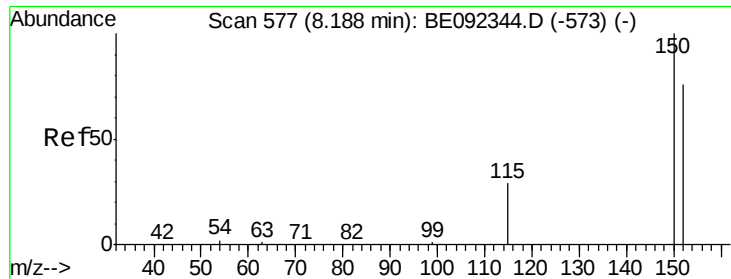
Instrument :
BNA_E
ClientSampled :
PB93350BL

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Quant Time: Sep 12 17:05:10 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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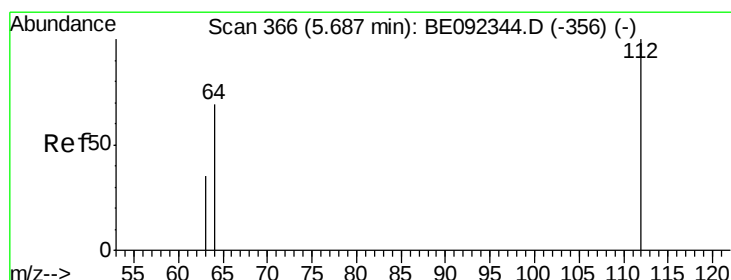
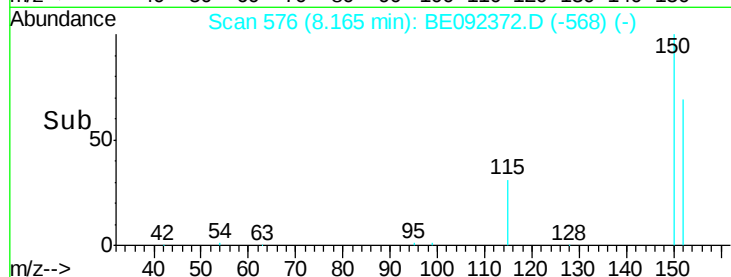
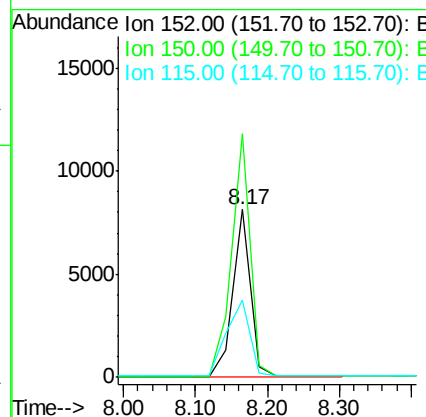
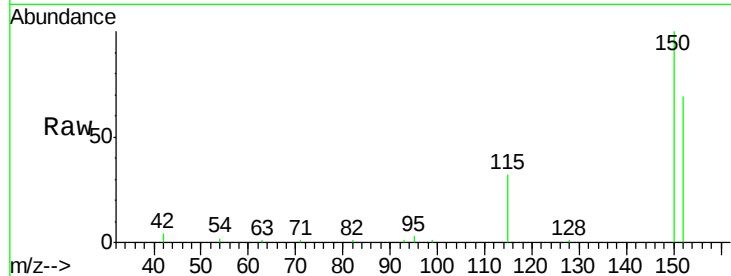
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Instrument :
 BNA_E
 ClientSampleId :
 PB93350BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.2	106.0	159.0
115	46.2	31.2	46.8

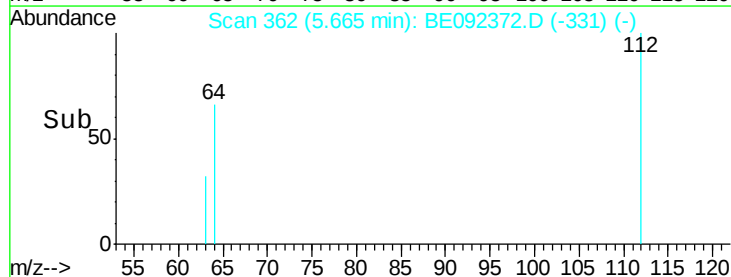
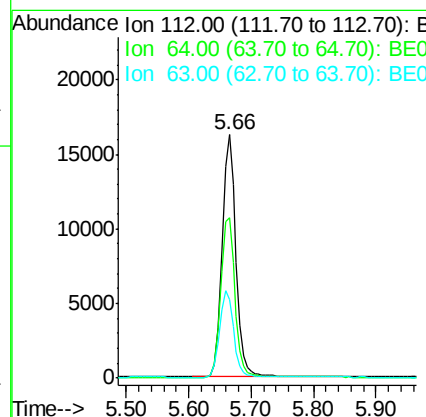
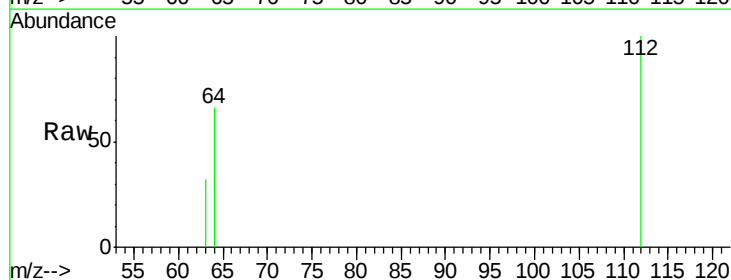
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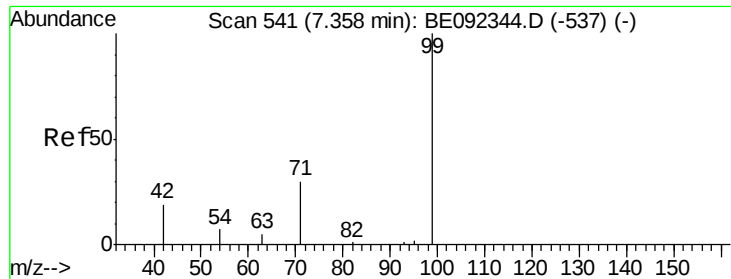
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#4
 2-Fluorophenol
 Concen: 7.64 ng
 RT: 5.66 min Scan# 362
 Delta R.T. -0.02 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.5	80.3
63	36.0	27.9	41.9





#5

Phenol-d6

Concen: 7.17 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Instrument :

BNA_E

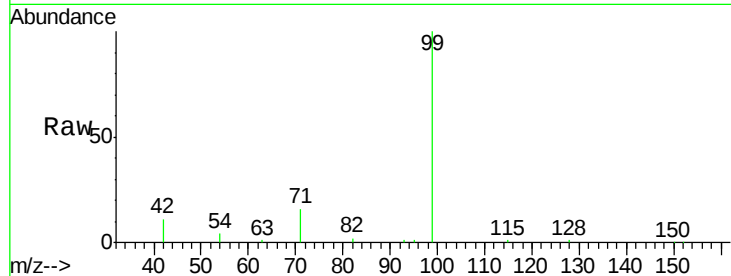
ClientSampleId :

PB93350BL

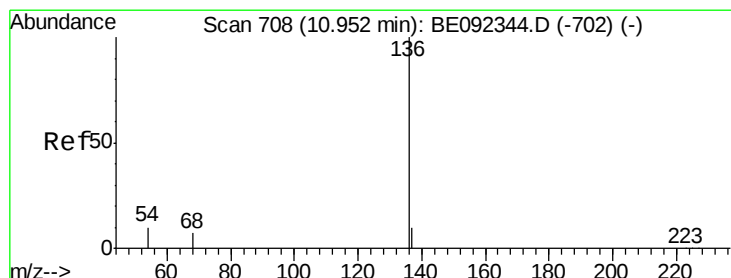
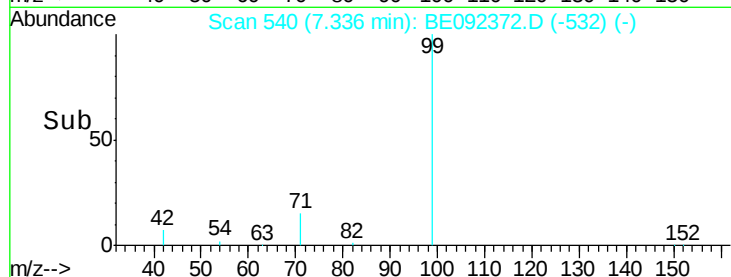
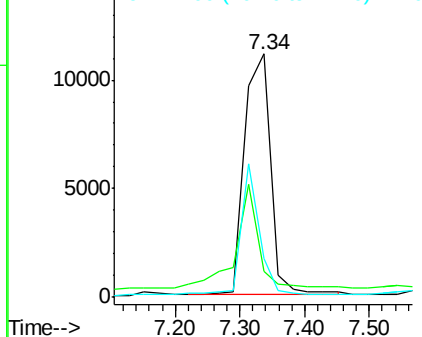
Tgt Ion:	99	Resp:	31142
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

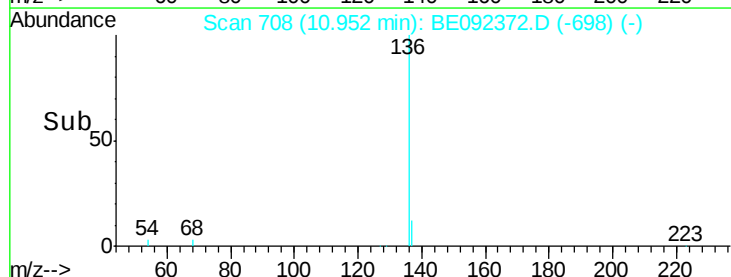
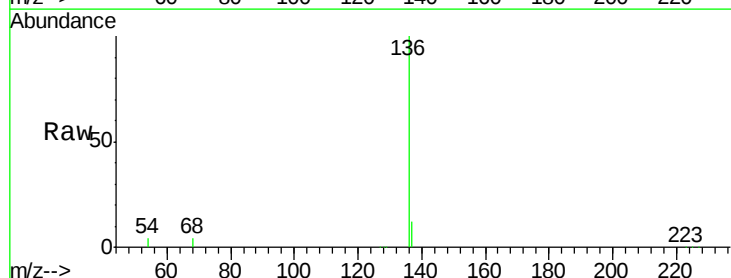
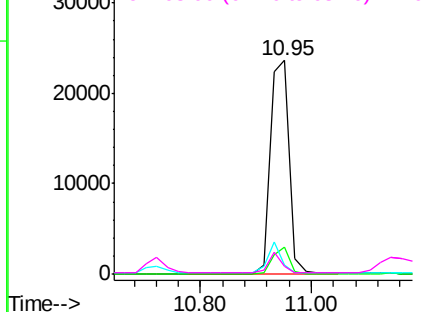
Delta R.T. -0.00 min

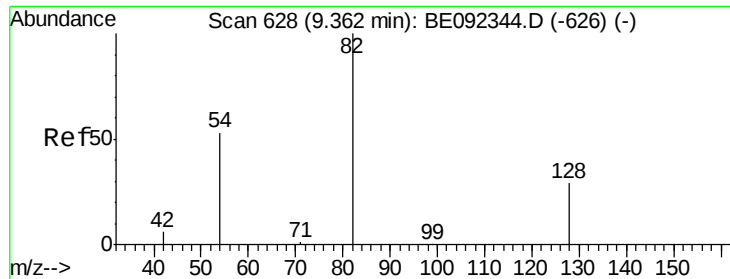
Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Tgt Ion:	136	Resp:	56340
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.2	12.4
54	4.3	9.6	14.4#
68	3.9	6.7	10.1#

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





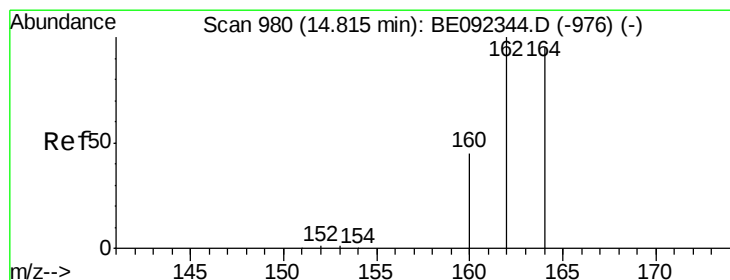
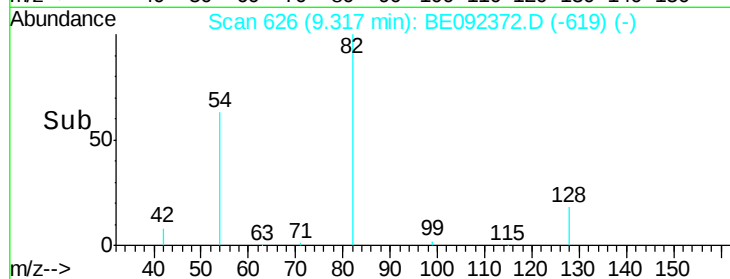
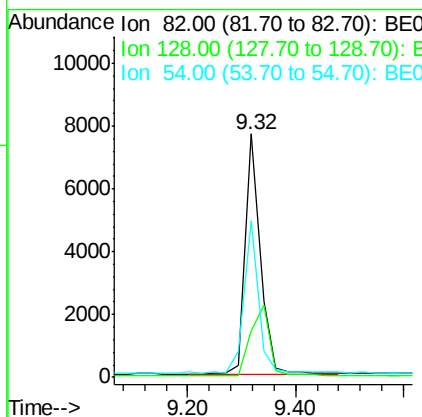
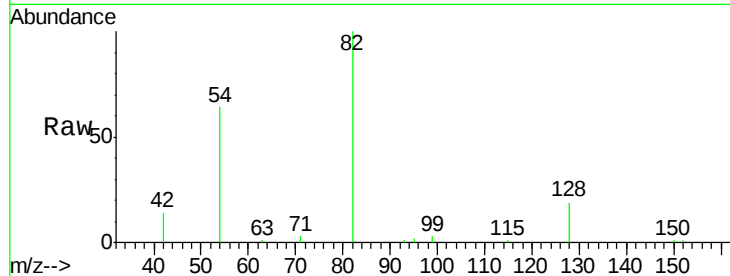
#8
 Nitrobenzene-d5
 Concen: 3.69 ng
 RT: 9.32 min Scan# 626
 Delta R.T. -0.05 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Instrument :
 BNA_E
 ClientSampled :
 PB93350BL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	18.8	39.0	58.4#
54	64.4	44.8	67.2

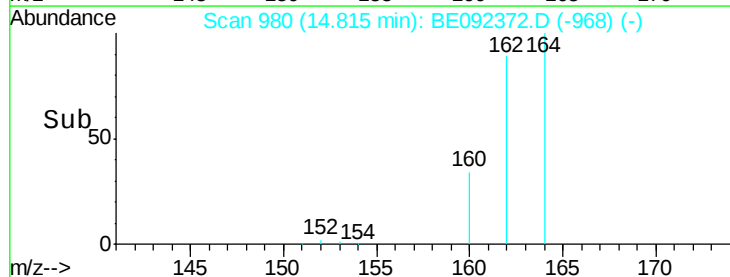
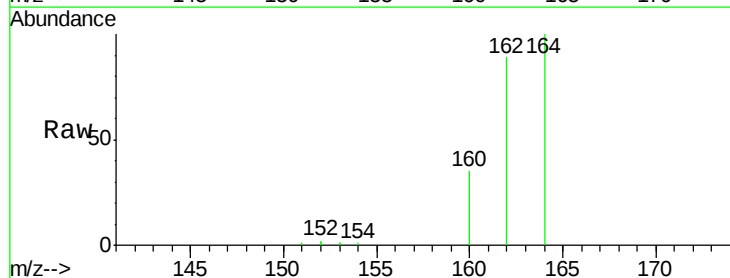
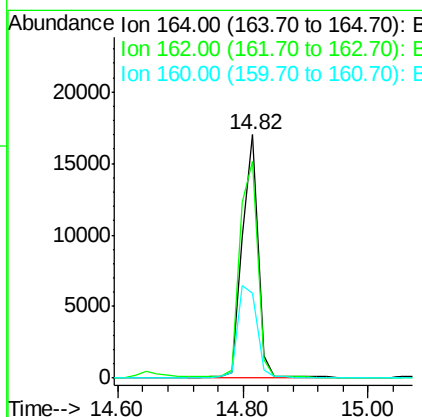
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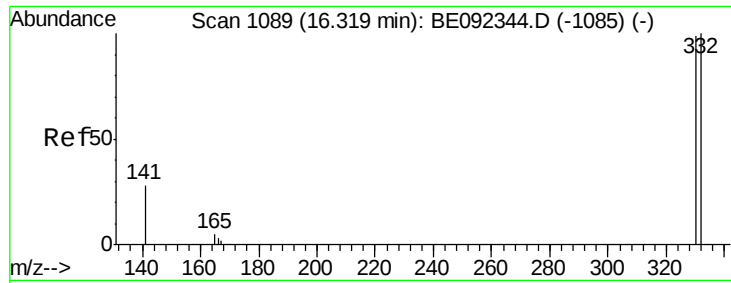
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#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.82 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.1	71.4	107.0
160	34.6	27.4	41.2





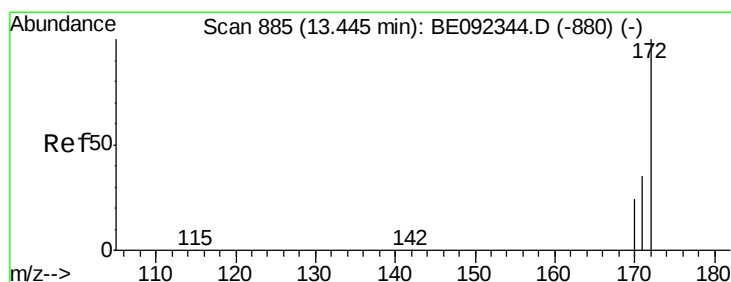
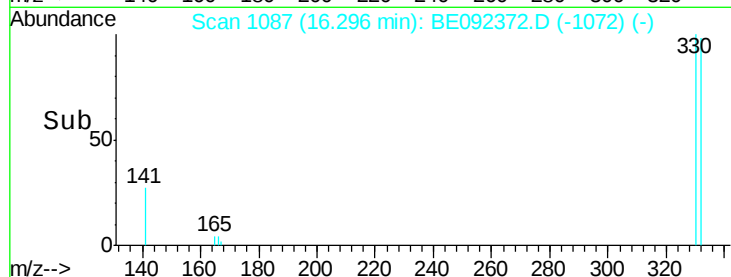
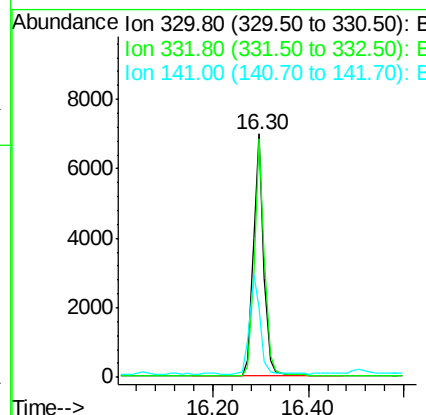
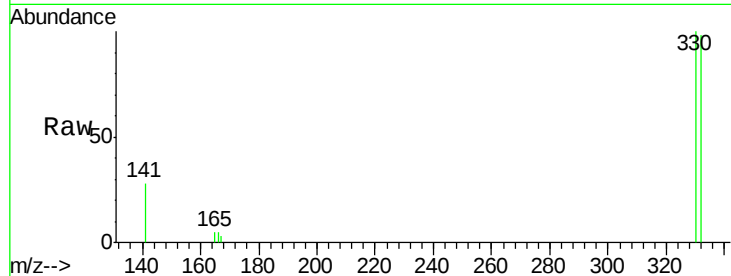
#13
 2,4,6-Tribromophenol
 Concen: 11.45 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Instrument :
 BNA_E
 ClientSampleId :
 PB93350BL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10479		
332	96.6	75.4	113.0	
141	42.3	31.0	46.6	

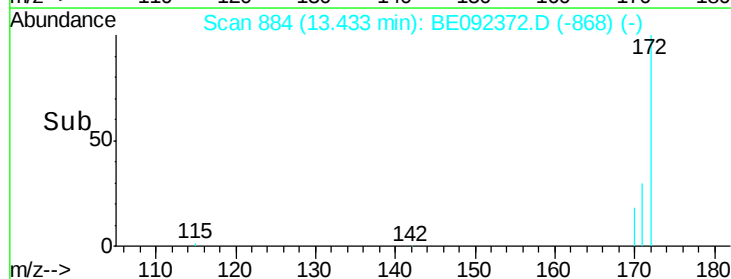
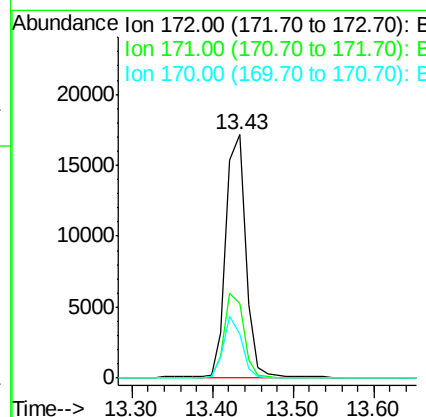
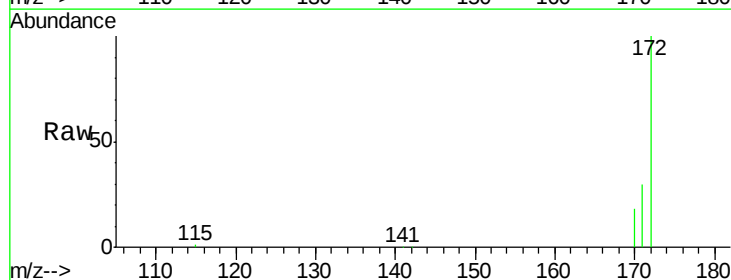
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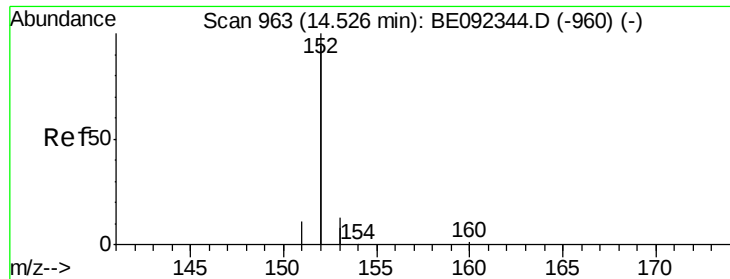
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#14
 2-Fluorobiphenyl
 Concen: 3.23 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	29255		
171	30.5	30.1	45.1	
170	18.3	21.8	32.6	





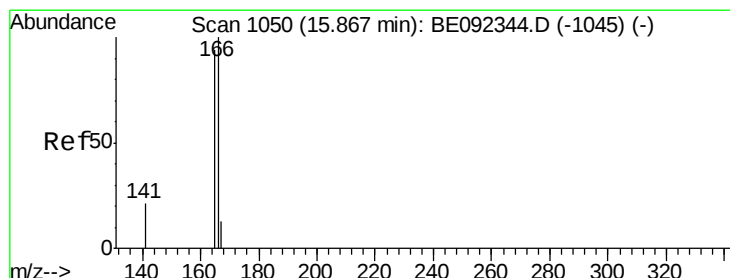
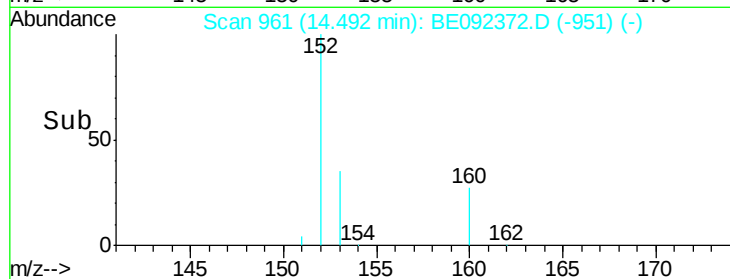
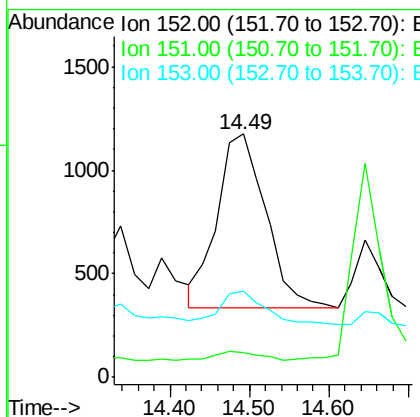
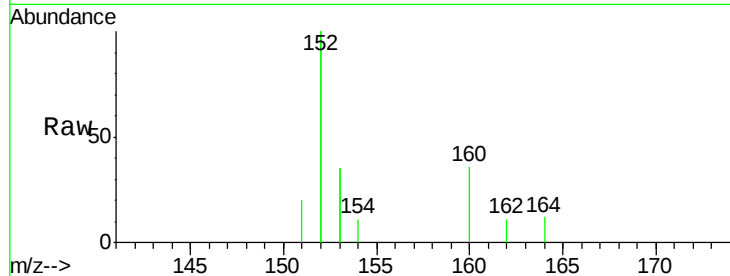
#15
Acenaphthylene
Concen: 0.07 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.03 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Instrument :
BNA_E
ClientSampleId :
PB93350BL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	16.9	10.4	15.6

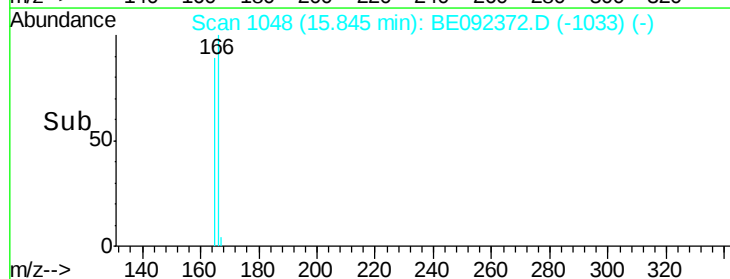
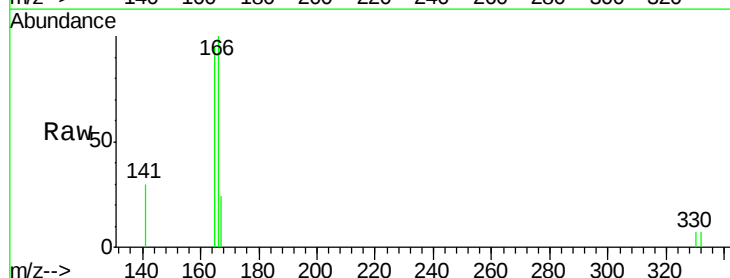
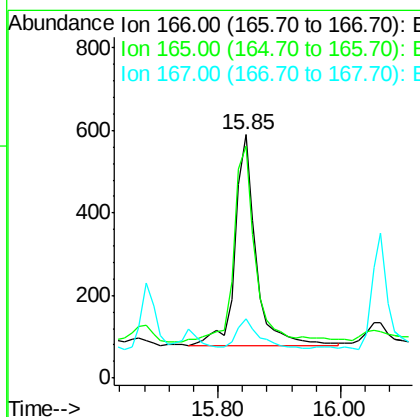
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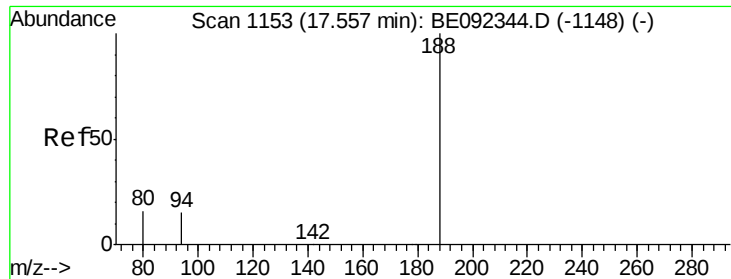
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#17
Fluorene
Concen: 0.12 ng
RT: 15.85 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.2	117.4
167	14.5	11.0	16.4





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Instrument :

BNA_E

ClientSampleId :

PB93350BL

Tgt Ion:188 Resp: 73398

Ion Ratio Lower Upper

188 100

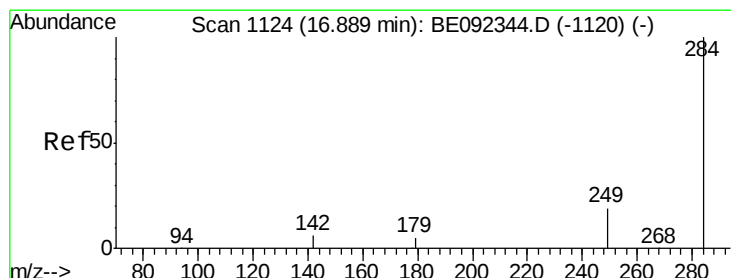
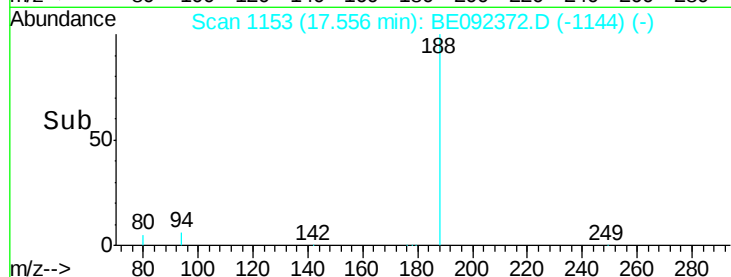
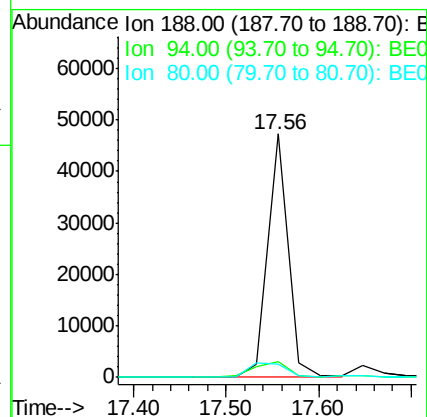
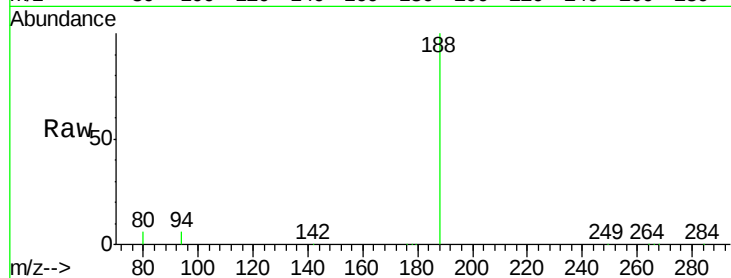
94 6.4 3.2 4.8#

80 5.6 2.6 3.8#

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#19

Hexachlorobenzene

Concen: 0.06 ng

RT: 16.86 min Scan# 1123

Delta R.T. -0.02 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

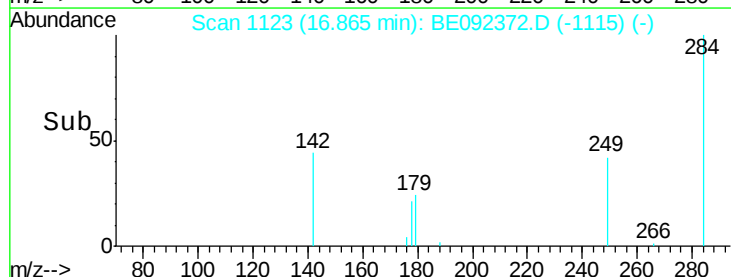
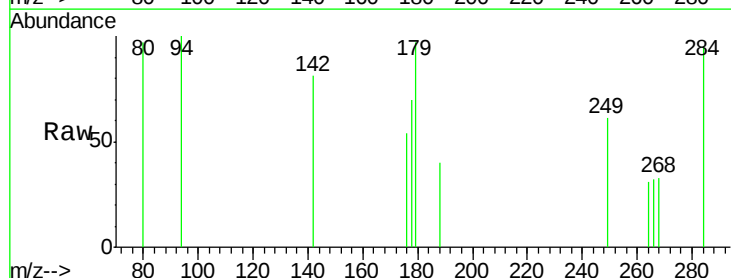
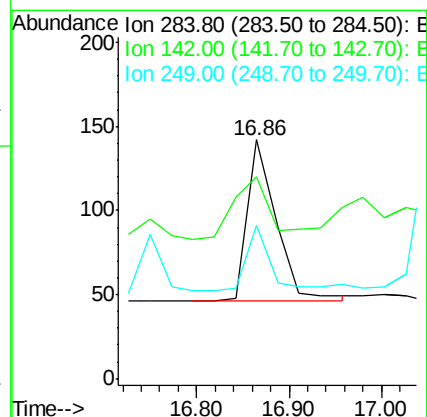
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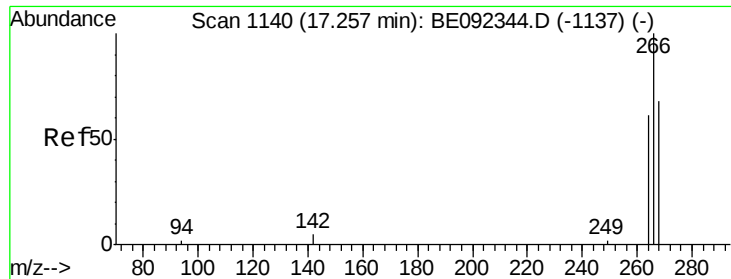
Ion Ratio Lower Upper

284 100

142 48.3 29.1 43.7#

249 34.1 27.9 41.9





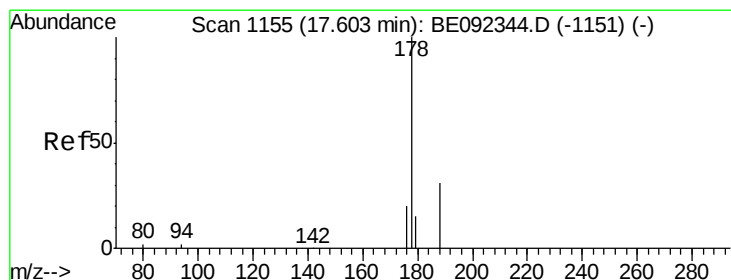
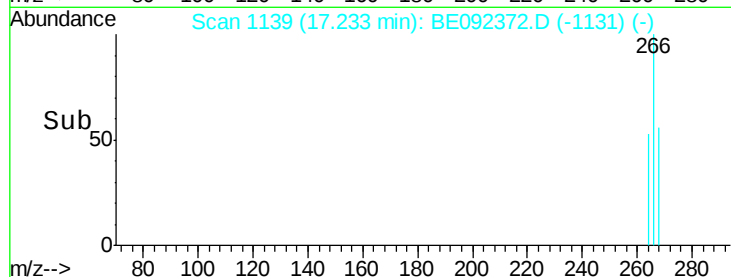
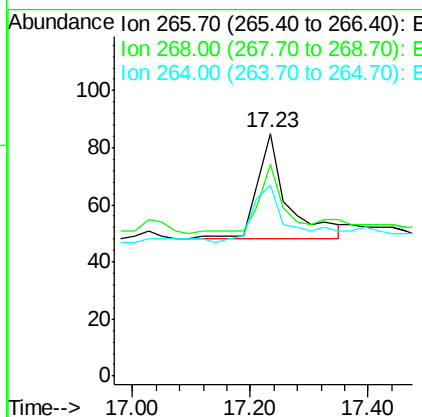
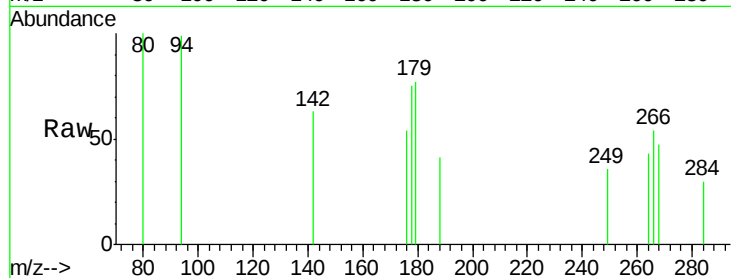
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 Pentachlorophenol
 Concen: 0.24 ng
 RT: 17.23 min Scan# 1139
 Delta R.T. -0.02 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Instrument :
 BNA_E
 ClientSampleId :
 PB93350BL

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	133		
268	87.1	62.5	93.7	
264	78.8	57.2	85.8	

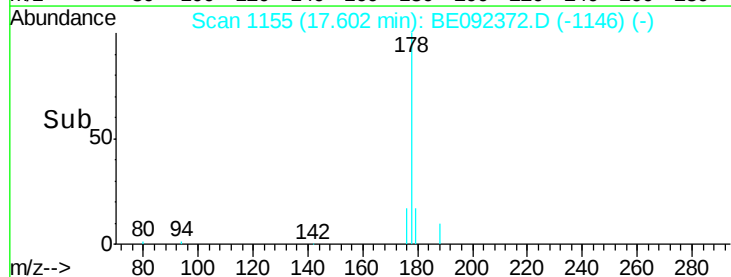
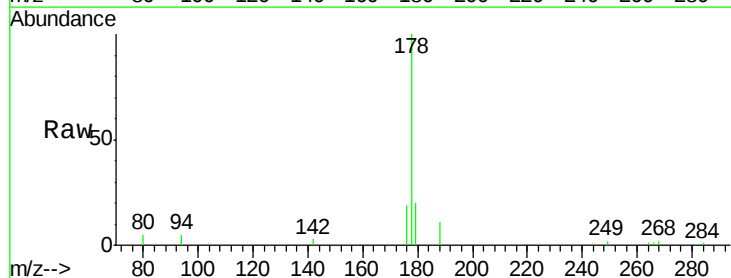
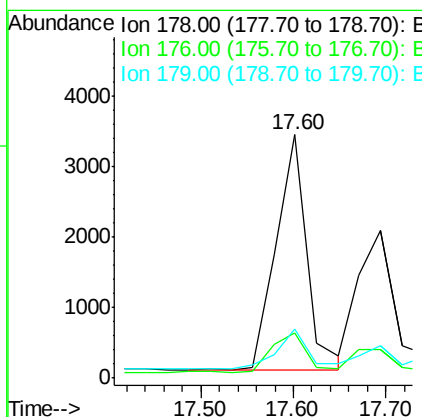
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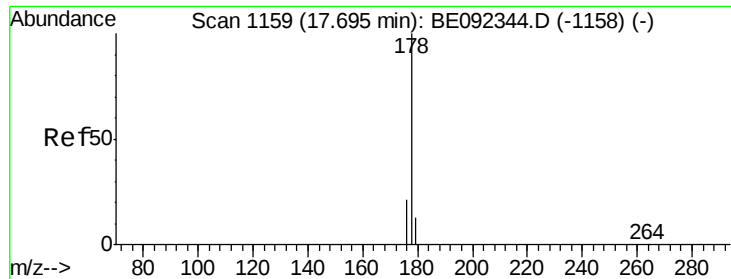
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#21
 Phenanthrene
 Concen: 0.38 ng
 RT: 17.60 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	7841		
176	19.8	15.8	23.8	
179	18.1	16.0	24.0	





#22

Anthracene

Concen: 0.30 ng m

RT: 17.69 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Instrument :

BNA_E

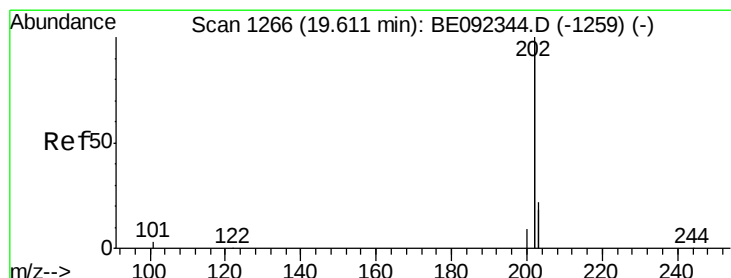
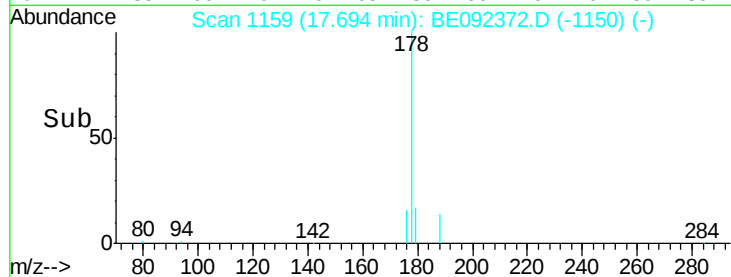
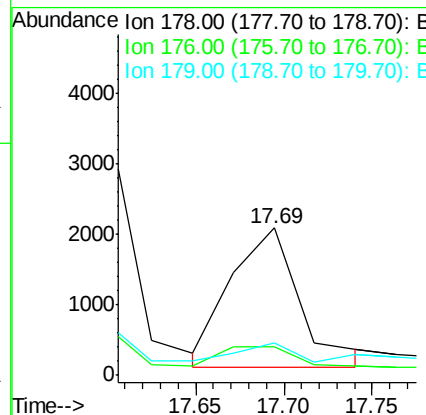
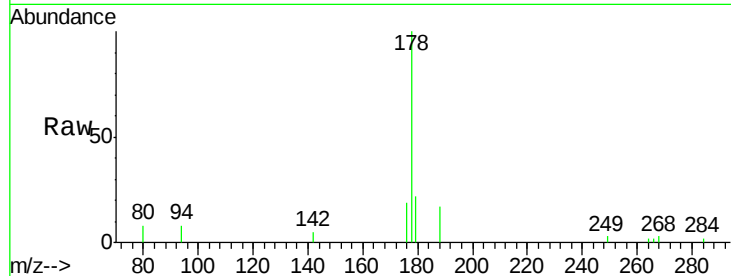
ClientSampleId :

PB93350BL

Tgt Ion:	178	Resp:	5439
Ion Ratio	Lower	Upper	
178	100		
176	27.2	15.0	22.4#
179	24.9	12.2	18.2#

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#23

Fluoranthene

Concen: 0.63 ng

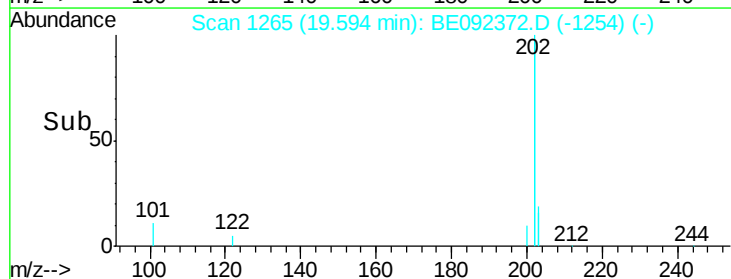
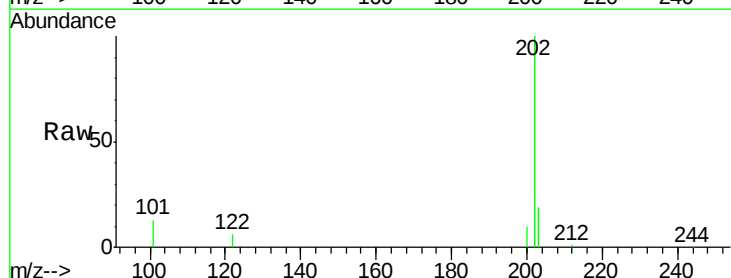
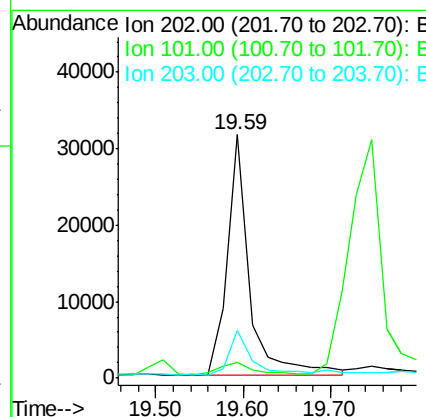
RT: 19.59 min Scan# 1265

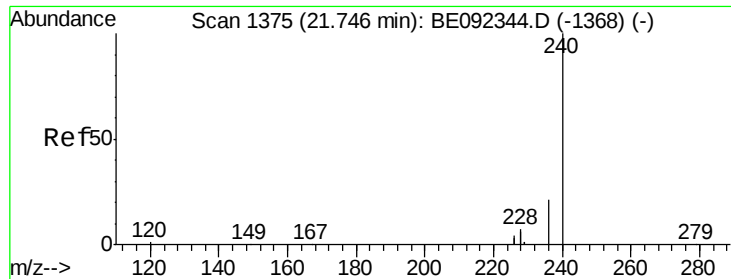
Delta R.T. -0.02 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Tgt Ion:	202	Resp:	56509
Ion Ratio	Lower	Upper	
202	100		
101	8.0	2.2	3.4#
203	18.0	13.7	20.5





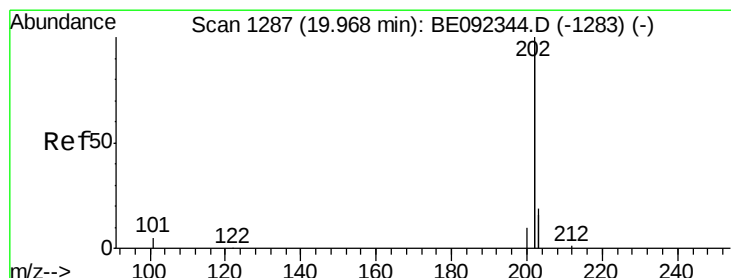
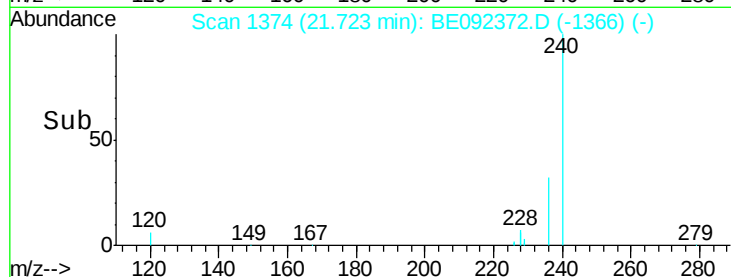
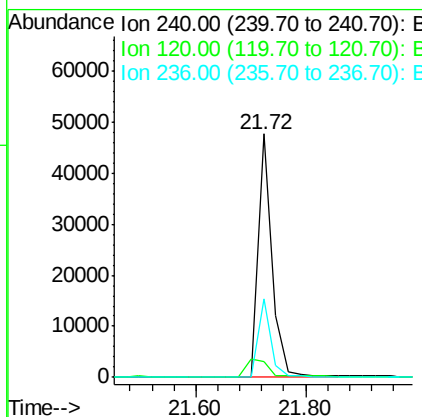
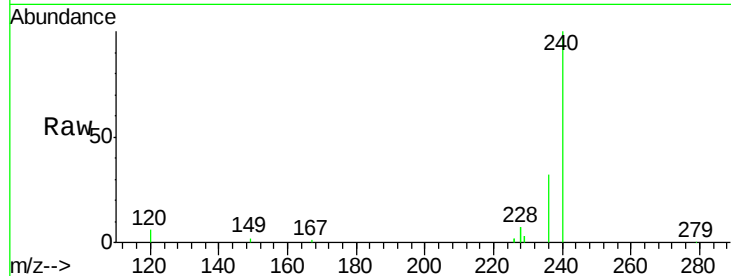
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Instrument :
BNA_E
ClientSampleId :
PB93350BL

Tgt Ion:240 Resp: 84847
Ion Ratio Lower Upper
240 100
120 6.4 2.6 4.0#
236 32.1 24.6 37.0

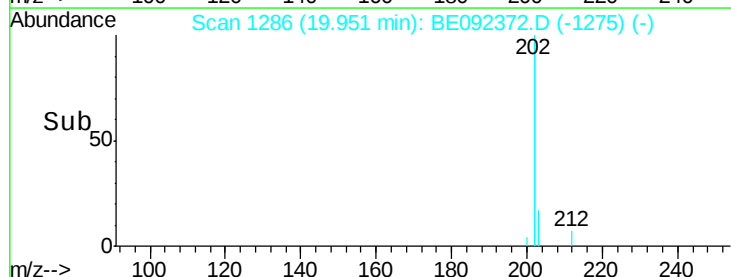
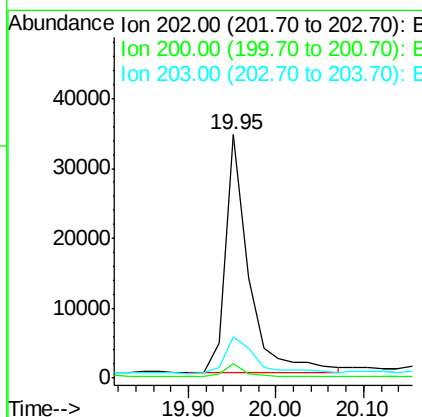
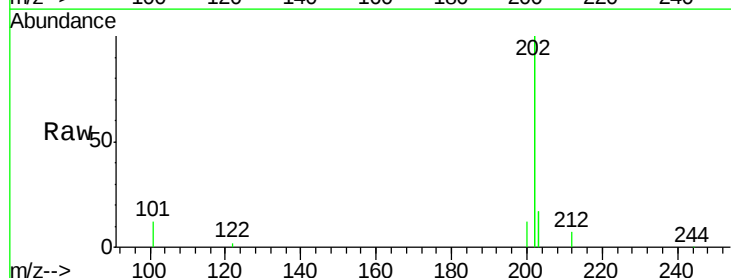
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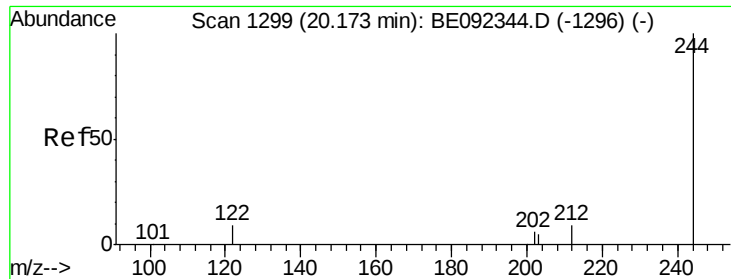
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#25
Pyrene
Concen: 0.78 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Tgt Ion:202 Resp: 63978
Ion Ratio Lower Upper
202 100
200 4.8 4.2 6.4
203 19.6 13.9 20.9





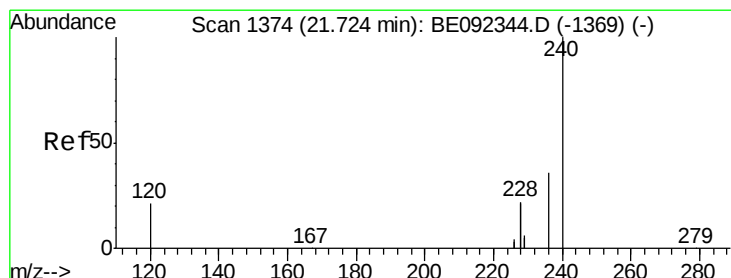
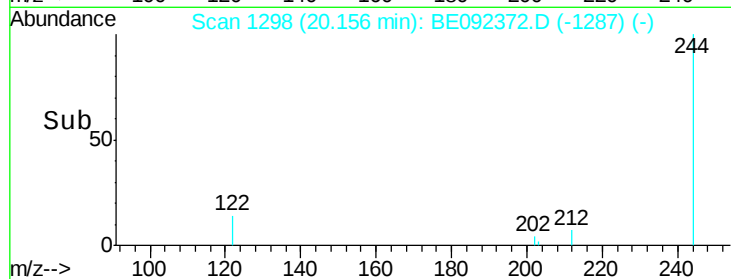
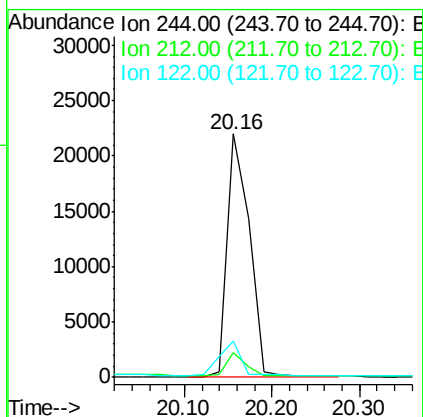
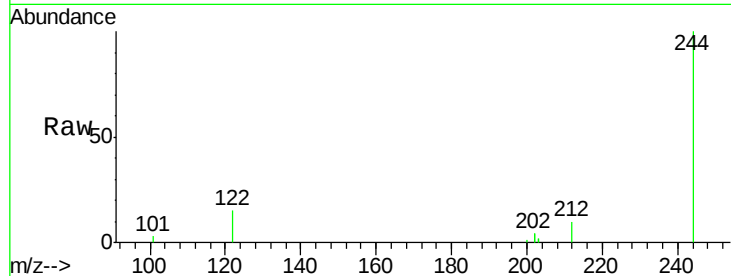
#26
 Terphenyl-d14
 Concen: 3.05 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Instrument :
 BNA_E
 ClientSampleId :
 PB93350BL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.9	6.7	10.1
122	15.1	3.6	5.4#

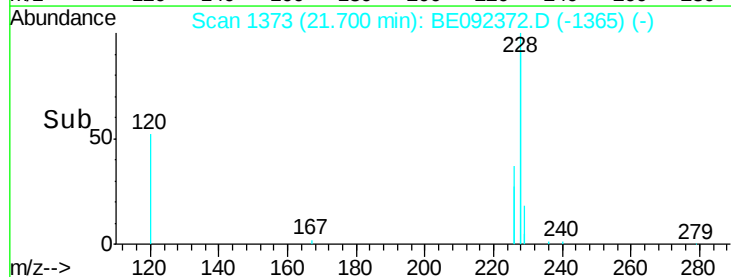
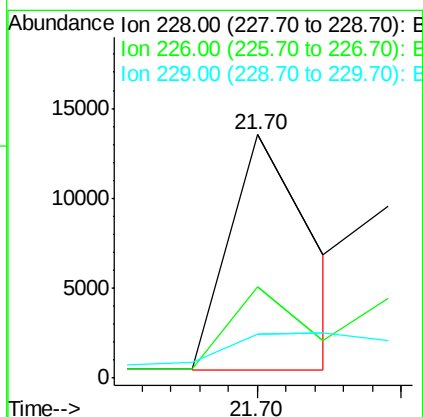
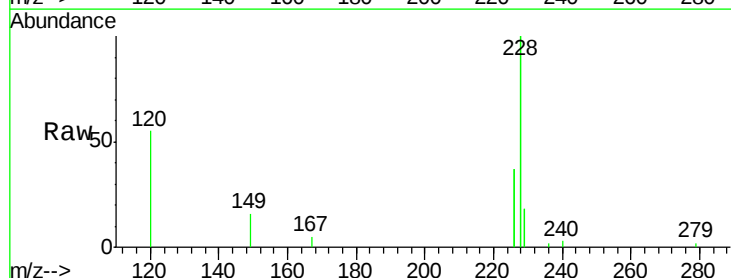
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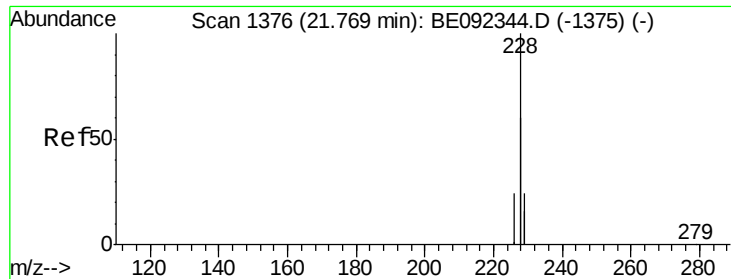
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#27
 Benzo(a)anthracene
 Concen: 0.29 ng m
 RT: 21.70 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: BE092372.D
 Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	37.5	23.6	35.4#
229	17.9	13.3	19.9





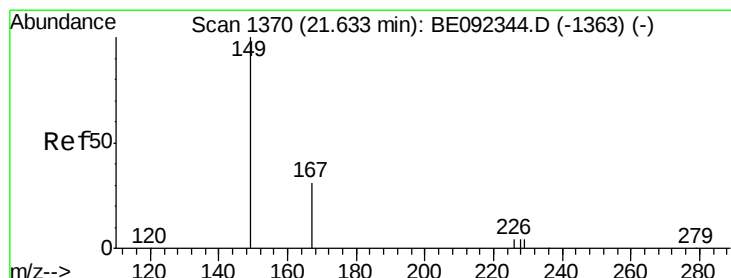
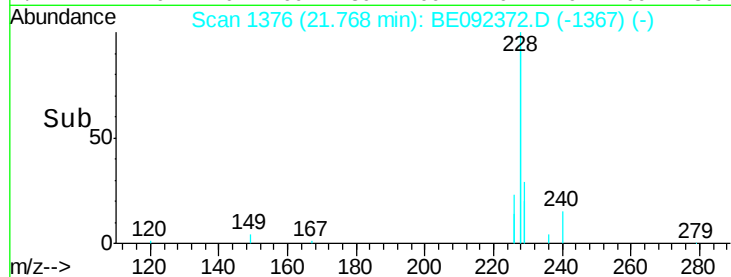
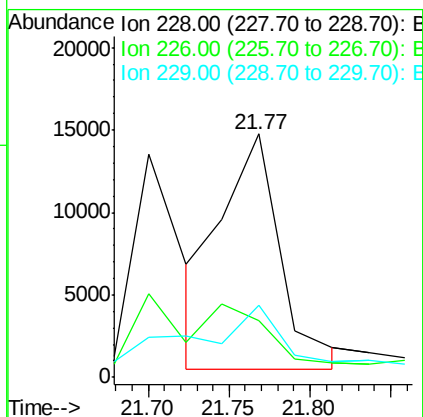
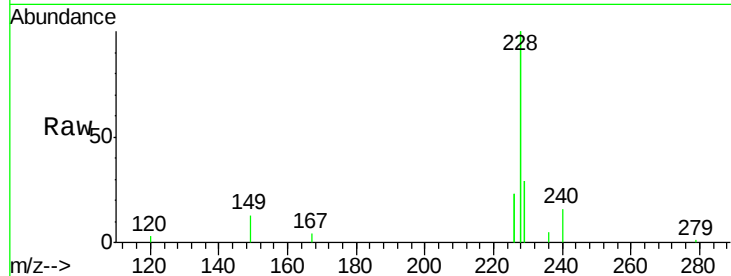
#28
Chrysene
Concen: 0.33 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Instrument :
BNA_E
ClientSampleId :
PB93350BL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	36807		
226	23.1	36.3	54.5#	
229	29.5	10.6	16.0#	

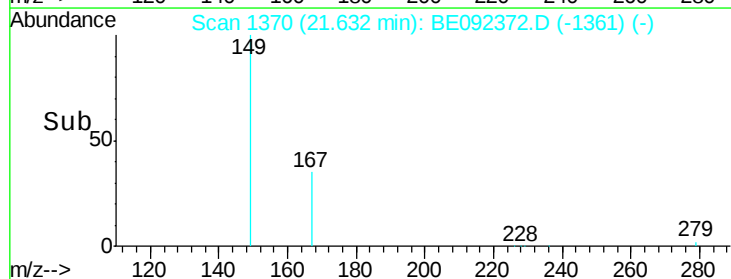
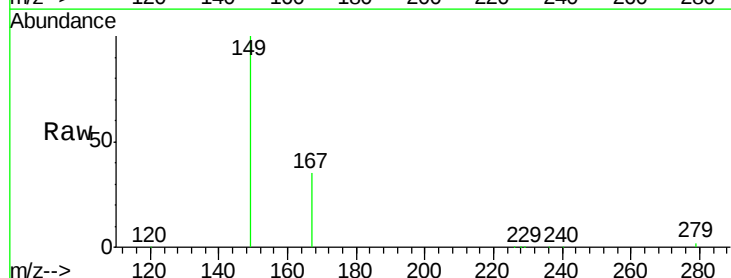
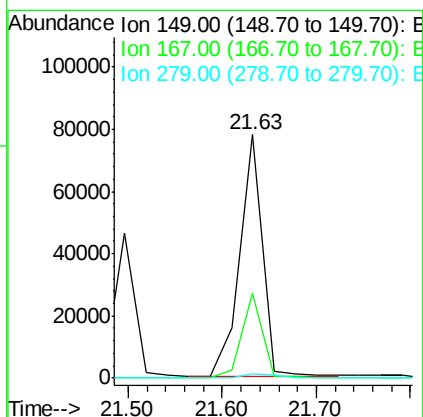
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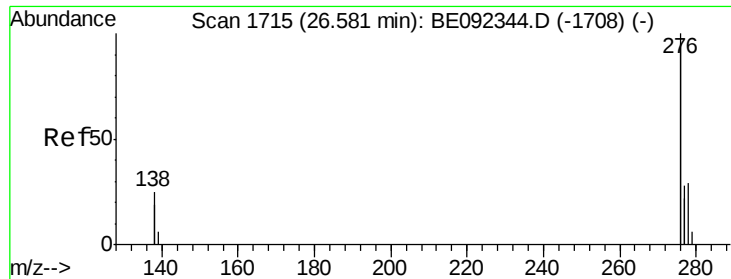
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#29
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.63 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	130617		
167	31.7	16.0	24.0#	
279	2.5	16.0	24.0#	





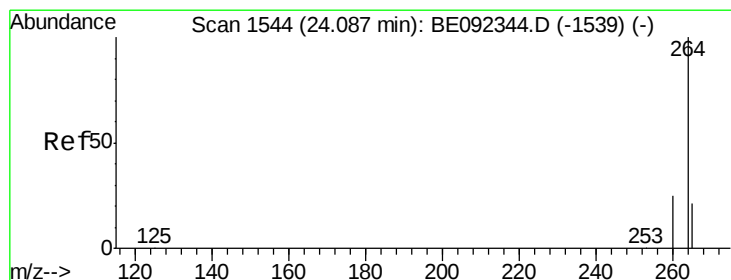
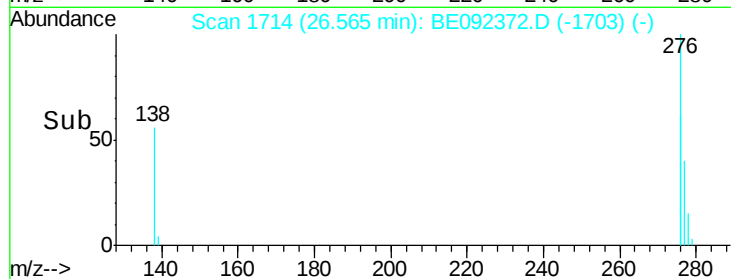
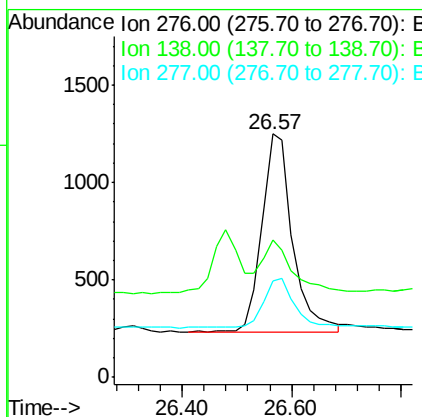
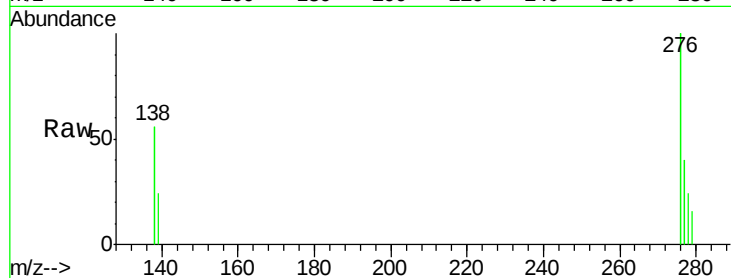
#30
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 26.57 min Scan# 1714
Delta R.T. -0.02 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Instrument :
BNA_E
ClientSampleId :
PB93350BL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	3985		
138	22.7	20.3	30.5	
277	26.4	19.7	29.5	

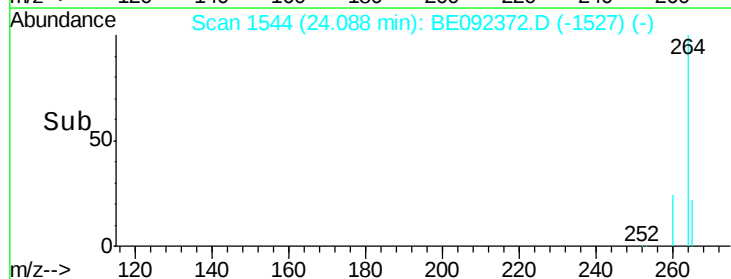
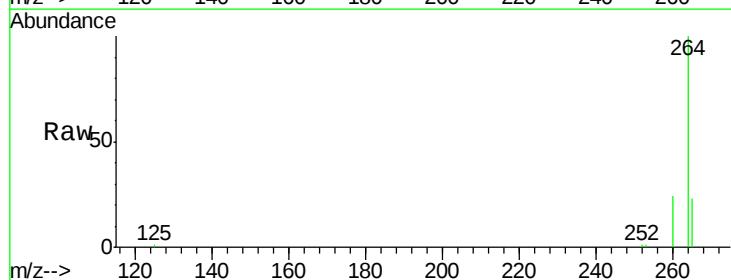
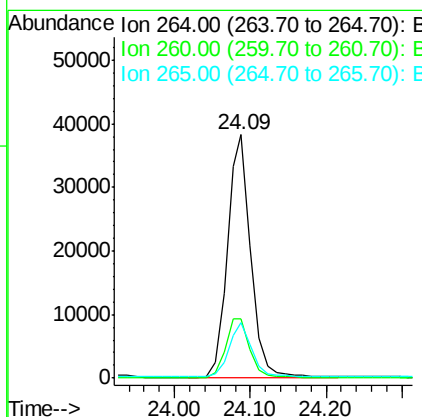
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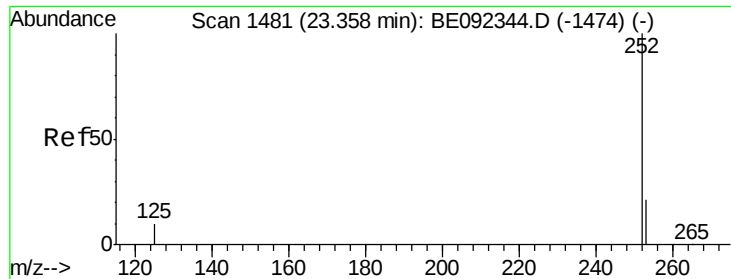
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BE092372.D
Acq: 12 Sep 2016 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	82527		
260	24.1	20.1	30.1	
265	22.6	17.9	26.9	





#32

Benzo(b)fluoranthene

Concen: 0.17 ng

RT: 23.36 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Instrument :

BNA_E

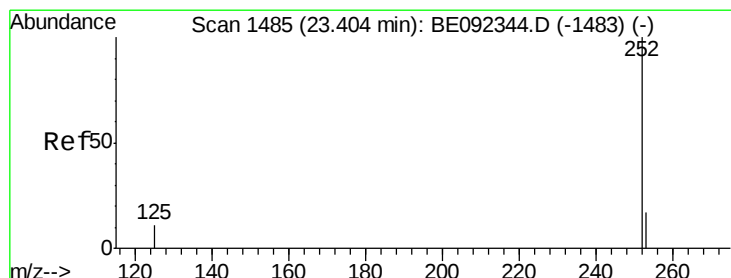
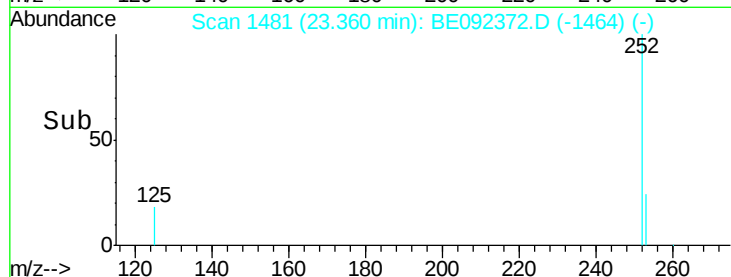
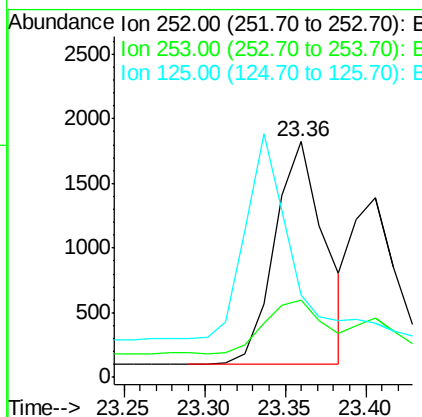
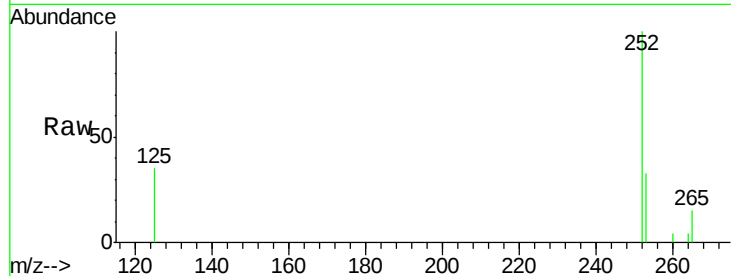
ClientSampleId :

PB93350BL

Tgt Ion:	252	Resp:	3698
Ion Ratio	Lower	Upper	
252	100		
253	32.7	18.7	28.1#
125	35.1	10.5	15.7#

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#33

Benzo(k)fluoranthene

Concen: 0.11 ng

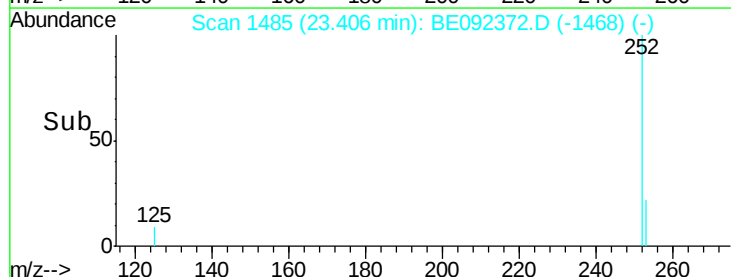
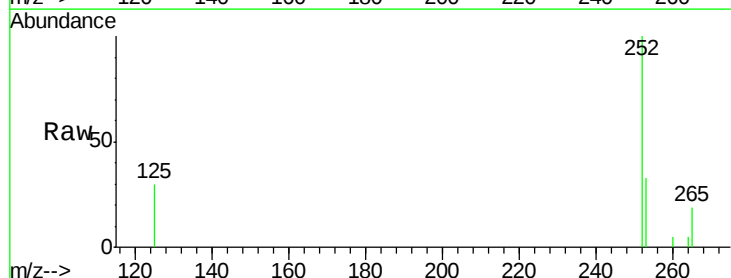
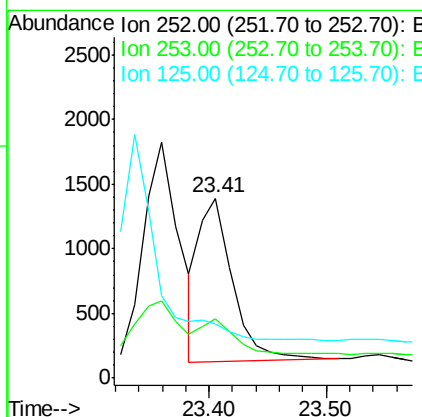
RT: 23.41 min Scan# 1485

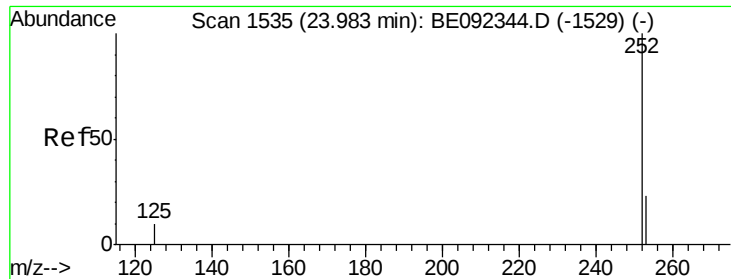
Delta R.T. 0.00 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Tgt Ion:	252	Resp:	2527
Ion Ratio	Lower	Upper	
252	100		
253	33.2	20.3	30.5#
125	30.2	9.6	14.4#





#34

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.97 min Scan# 1534

Delta R.T. -0.01 min

Lab File: BE092372.D

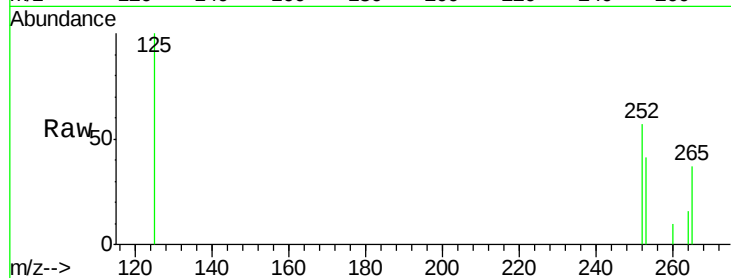
Acq: 12 Sep 2016 15:21

Instrument :

BNA_E

ClientSampleId :

PB93350BL



Tgt Ion: 252 Resp: 747

Ion Ratio Lower Upper

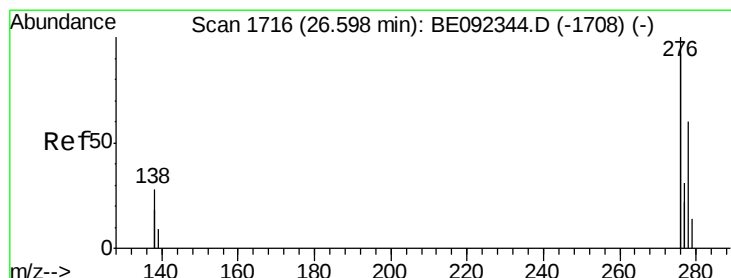
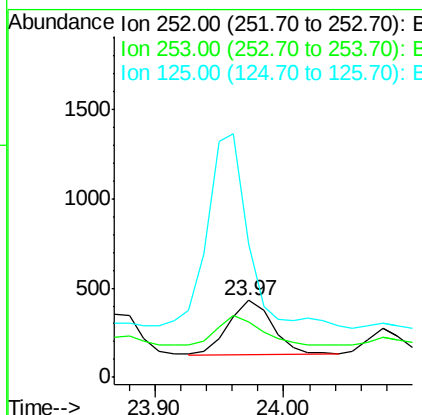
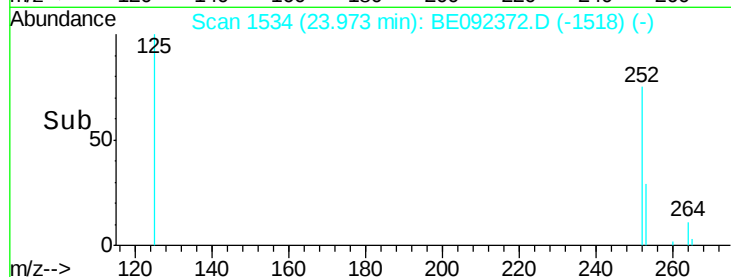
252 100

253 71.5 19.0 28.6#

125 174.2 11.8 17.8#

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#35

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 26.58 min Scan# 1715

Delta R.T. -0.02 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

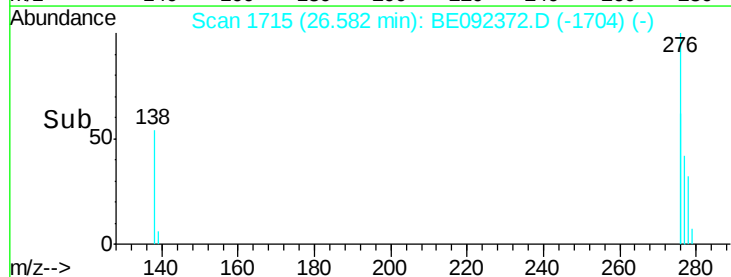
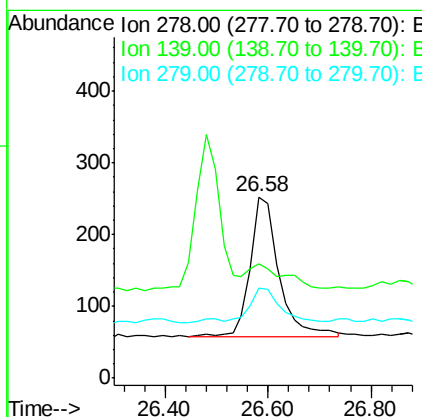
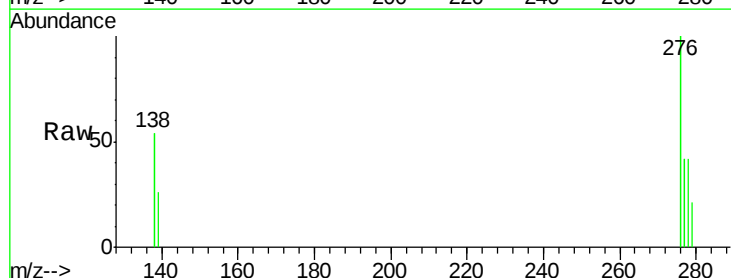
Tgt Ion: 278 Resp: 746

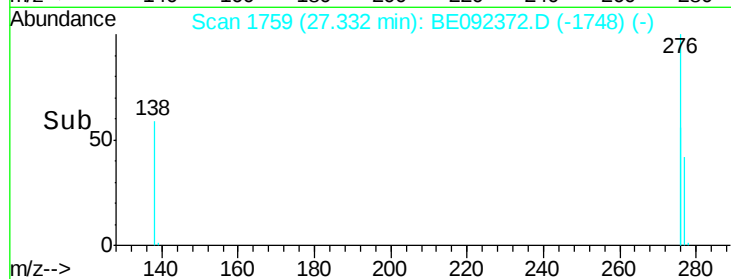
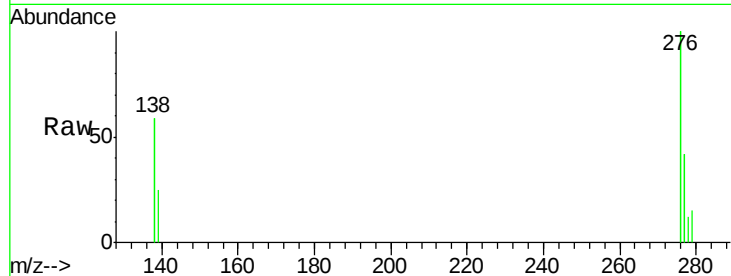
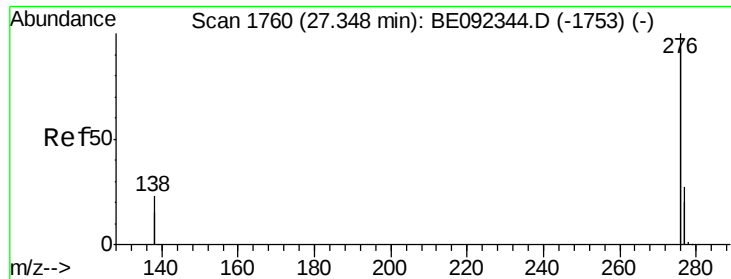
Ion Ratio Lower Upper

278 100

139 63.2 13.8 20.8#

279 49.4 21.4 32.2#





#36

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 27.33 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BE092372.D

Acq: 12 Sep 2016 15:21

Instrument :

BNA_E

ClientSampleId :

PB93350BL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		3280		
277	42.2	19.8	29.8#		
138	58.8	19.8	29.6#		

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